Boehringer Ingelheim

March 25, 2021

Boehringer Ingelheim
Animal Health USA Inc.

www.boehringer-ingelheim.us

Leann McAlister
3239 Satellite Blvd.
Duluth, GA 30096

Attn: Robert Miller
VIA CDX PORTAL
Document Processing Desk – 6(a)(2)
Office of Pesticide Programs
US Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-3553

SUBJECT: Resubmission of all 2018 and 2019 FIFRA Section 6(a)(2) Aggregate Incident Reports for Frontline Spot-On Products

Per your request during our meeting on March 24, 2021, we are resubmitting all of the EPA Quarterly Aggregate Reports for 2018 and 2019 in support of EPA's preparation for a congressional inquiry into all spot-on pet products resulting from the recent Seresto collar articles.

Please note that all of these reports have been previously submitted via hard copy to include both Merial, Inc. and Boehringer Ingelheim Animal Health USA Inc.

If you have any questions regarding this report, please contact me at 678-638-3701 or via email at leann.mcalister@boehringer-ingelheim.com.

Sincerely,

Leann McAlister

Leann McAlister
Regulatory Affairs

Enclosure

MERIAL
3239 Satellite Boulevard
Duluth, Georgia 30096
Tel. : 1-678-638-3000

May 21, 2018

Document Processing Desk – 6(a)(2)
Office of Pesticide Programs
US Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-3553

SUBJECT: FIFRA Section 6(a)(2) Aggregate Incident Reports for 1Q18 (01Jan18 through 31Mar18)
Human and Domestic Animals in the US and Extraterritorial Associated with the Following Merial, Inc. Registrations:

- FRONTLINE® Spray Treatment, EPA Reg. No. 65331-1
- FIPAIRA® for Cats (formerly FRONTLINE® Top Spot for Cats), EPA Reg. No. 65331-2
- FIPAIRA® for Dogs (formerly FRONTLINE® Top Spot for Dogs), EPA Reg. No. 65331-3
- FRONTLINE® Plus for Cats, EPA Reg. No. 65331-4
- FRONTLINE® Plus for Dogs, EPA Reg. No. 65331-5
- CERTIFECT® for Dogs, EPA Reg. No. 65331-7

Please find enclosed the FIFRA 6(a)(2) Aggregate Incident Report for 1Q18, submitted in duplicate per the EPA's request on 30Nov12. Aggregate reports for humans (HD/HE: Minor/Unknown) and domestic animals are submitted quarterly. This report is also being provided as a .pdf file on CD-ROM per EPA's communication on 03Sept14. Since these products are produced and sold worldwide, Merial is providing worldwide reporting of adverse events for the aforementioned products.

If you have any questions regarding these reports, please contact me at (678) 638-3948 or via email at timothy.dotson@merial.com.

Sincerely,

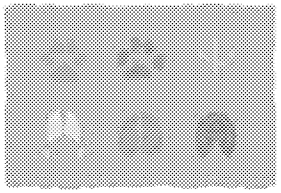
Timothy A. Dotson
Regulatory Affairs North America

Enclosure

www.merial.com

FRONTLINE BRAND PRODUCTS

EPA Quarterly Aggregate Report



Number of Incidents and Adverse Effects Reported by Exposure Type and Severity Category (USA)
Reporting Period: 01-Jan-2018 to 01-Apr-2018[1]
Product Family: Frontline Products (include non-specific)

Generic Name / USA Registration Number	Total Incidents	H-D Human - Minor Effects	H-E Human - Unknown, Unspecified or Delayed Effects	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
FIPRONIL 10%/S METHOPRENE 12% SPOT ON / 65331-4	86	2	0	1	1	82
FIPRONIL 10%/S METHOPRENE 9% SPOT ON / 65331-5	106	6	0	2	5	93
FIPRONIL SPOT ON CAT / 65331-2	1	1	0	0	0	0
Totals	**193**	**9**	**0**	**3**	**6**	**175**

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

USA off-label species totals are included

Use in Off-Label Species (USA)
Reporting Period: 01-Jan-2018 to 01-Apr-2018[1]
Product Family: Frontline Products (include non-specific)

Generic Name / Registration Number Species	Total Incidents	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
FIPRONIL 10%/S METHOPRENE 9% SPOT ON / 65331-5	3	0	0	3
Feline	3	0	0	3
Totals	**3**	**0**	**0**	**3**

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

Number of Incidents and Adverse Effects Reported by Exposure Type and Severity Category (Extraterritorial)
Reporting Period: 01-Jan-2018 to 01-Apr-2018[1]
Product Family: Frontline Products (include non-specific)

Generic Name / USA Registration Number	Total Incidents	H-D Human - Minor Effects	H-E Human - Unknown, Unspecified or Delayed Effects	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
FIPRONIL 10%/S METHOPRENE 12% SPOT ON / 65331-4	246	1	0	3	2	240
FIPRONIL 10%/S METHOPRENE 9% SPOT ON / 65331-5	584	1	0	2	2	579
FIPRONIL SPOT ON CAT / 65331-2	109	0	0	1	4	104
FIPRONIL SPOT ON DOG / 65331-3	266	1	0	0	0	265
FIPRONIL SPRAY / 65331-1	366	1	0	1	2	362
Totals	**1,571**	**4**	**0**	**7**	**10**	**1,550**

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

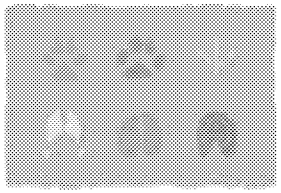
Extraterritorial off-label species totals are included

Use in Off-Label Species (Extraterritorial)
Reporting Period: 01-Jan-2018 to 01-Apr-2018 [1]
Product Family: Frontline Products (include non-specific)

Country Generic Name / USA Registration Number Species	Total Incidents	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
FIPRONIL 10%/S METHOPRENE 12% SPOT ON / 65331-4	1	0	0	1
Rabbit	1	0	0	1
FIPRONIL 10%/S METHOPRENE 9% SPOT ON / 65331-5	5	0	0	5
Feline	4	0	0	4
Rabbit	1	0	0	1
FIPRONIL SPOT ON CAT / 65331-2	1	0	0	1
Rabbit	1	0	0	1
FIPRONIL SPRAY / 65331-1	1	0	0	1
Rat	1	0	0	1
Totals	**8**	**0**	**0**	**8**

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

EPA Report



Worldwide Adverse Event Reports Involving - Animal Cases
Reporting Period: 01-Jan-2018 to 01-Apr-2018[1]

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
06-Feb-2018	UAE; 17BR007002; SC; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	01-Jan-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Preto, a 7-year-old, 12 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 31 Dec 2016, for flea and tick treatment. Lack of efficacy suspected because the dog continued to have live attached ticks. Flea and tick infestation prior to FL, environment treated with Colosso. 2 other dogs of the same household that were also on FL were reported on 17BR007003 and 17BR007004. FRONTLINE was applied in the past to Preto No further information is available.
06-Feb-2018	UAE; 17BR007003; SC; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	01-Jan-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Esmeralda, a 5-year-old, 12 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 31 Dec 2016, for flea and tick treatment. Lack of efficacy suspected because the dog continued to have live attached ticks. Flea and tick infestation prior to FL, environment treated with Colosso. 2 other dogs of the same household that were also on FL were reported on 17BR007002 and 17BR007004. No further information is available.
06-Feb-2018	UAE; 17BR007004; SC; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	01-Jan-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Estrela, a 5-year-old, 12 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, near 31 Dec 2016, for flea and tick treatment. Lack of efficacy suspected because the dog continued to have live attached ticks. Flea and tick infestation prior to FL, environment treated with Colosso. 2 other dogs of the same household that were also on FL were reported on 17BR007002 and 17BR007003. No further information is available.

N/A signifies the information for this field is either not available or not applicable

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

Sex Codes: M = Male, F = Female, U = Unknown, Mixed = Mixed population – male(s) and female(s)
* Indicates approximate date or weight

Use in Off-Label Species (USA)
Reporting Period: 01-Jan-2018 to 01-Apr-2018[1]
Product Family: Frontline Products (include non-specific)

Generic Name / Registration Number Species	Total Incidents	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
FIPRONIL 10%/S METHOPRENE 9% SPOT ON / 65331-5	3	0	0	3
Feline	3	0	0	3
Totals	**3**	**0**	**0**	**3**

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

Number of Incidents and Adverse Effects Reported by Exposure Type and Severity Category (Extraterritorial)
Reporting Period: 01-Jan-2018 to 01-Apr-2018[1]
Product Family: Frontline Products (include non-specific)

Generic Name / USA Registration Number	Total Incidents	H-D Human - Minor Effects	H-E Human - Unknown, Unspecified or Delayed Effects	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
FIPRONIL 10%/S METHOPRENE 12% SPOT ON / 65331-4	246	1	0	3	2	240
FIPRONIL 10%/S METHOPRENE 9% SPOT ON / 65331-5	584	1	0	2	2	579
FIPRONIL SPOT ON CAT / 65331-2	109	0	0	1	4	104
FIPRONIL SPOT ON DOG / 65331-3	266	1	0	0	0	265
FIPRONIL SPRAY / 65331-1	366	1	0	1	2	362
Totals	**1,571**	**4**	**0**	**7**	**10**	**1,550**

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Extraterritorial off-label species totals are included

Use in Off-Label Species (Extraterritorial)
Reporting Period: 01-Jan-2018 to 01-Apr-2018 [1]
Product Family: Frontline Products (include non-specific)

Country Generic Name / USA Registration Number Species	Total Incidents	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
FIPRONIL 10%/S METHOPRENE 12% SPOT ON / 65331-4	1	0	0	1
Rabbit	1	0	0	1
FIPRONIL 10%/S METHOPRENE 9% SPOT ON / 65331-5	5	0	0	5
Feline	4	0	0	4
Rabbit	1	0	0	1
FIPRONIL SPOT ON CAT / 65331-2	1	0	0	1
Rabbit	1	0	0	1
FIPRONIL SPRAY / 65331-1	1	0	0	1
Rat	1	0	0	1
Totals	**8**	**0**	**0**	**8**

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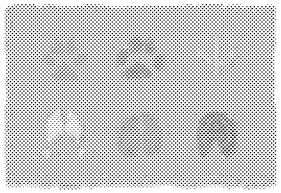
EPA Report



Worldwide Adverse Event Reports Involving - Animal Cases
Reporting Period: 01-Jan-2018 to 01-Apr-2018[1]

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
06-Feb-2018	UAE; 17BR007002; SC; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	01-Jan-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Preto, a 7-year-old, 12 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 31 Dec 2016, for flea and tick treatment. Lack of efficacy suspected because the dog continued to have live attached ticks. Flea and tick infestation prior to FL, environment treated with Colosso. 2 other dogs of the same household that were also on FL were reported on 17BR007003 and 17BR007004. FRONTLINE was applied in the past to Preto No further information is available.
06-Feb-2018	UAE; 17BR007003; SC; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	01-Jan-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Esmeralda, a 5-year-old, 12 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 31 Dec 2016, for flea and tick treatment. Lack of efficacy suspected because the dog continued to have live attached ticks. Flea and tick infestation prior to FL, environment treated with Colosso. 2 other dogs of the same household that were also on FL were reported on 17BR007002 and 17BR007004. No further information is available.
06-Feb-2018	UAE; 17BR007004; SC; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	01-Jan-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Estrela, a 5-year-old, 12 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, near 31 Dec 2016, for flea and tick treatment. Lack of efficacy suspected because the dog continued to have live attached ticks. Flea and tick infestation prior to FL, environment treated with Colosso. 2 other dogs of the same household that were also on FL were reported on 17BR007002 and 17BR007003. No further information is available.

N/A signifies the information for this field is either not available or not applicable

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Sex Codes: M = Male, F = Female, U = Unknown, Mixed = Mixed population – male(s) and female(s)
* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
02-Feb-2018	UAE; 17US078023; MI; U.S.A	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Neutered **Age:** 16.00 Year(s) **Weight:** 8.000 lbs	1	1	1	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	13-Sep-2017	13-Oct-2017	N/A	D-A	Suspected Adverse Event: On 2 Feb 2018, the owner reported the following event for Luc, 16 year old, 8 pound, neutered male, Siamese feline. 13 Oct 2017: One vial of FRONTLINE PLUS CATS (P41510DW) was applied between the shoulder blades. The pet experienced extended abdomen, lethargy and anorexia. 13 Nov 2017: Another vial was applied and lethargy worsened. The cat was presented to the clinic. Blood work was run which showed small anemia. The attending vet prescribed an oral steroid, vitamins and unknown injectable antibiotic. 14 Nov 2017*: The cat passed away. The cat also received FRONTLINE on 13 Sept 2017 and no symptoms presented. No further medical information is expected.
08-Jan-2018	UAE; 18AR000001; Buenos Aires; Argentina	**Species:** Canine **Breed:** Bichon Frise **Sex:** M **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	23-Dec-2017	23-Dec-2017	0 Day(s)	D-D	As reported by pet owner, Milo, a 3 years old canine, male, neutered, 6 kgr., Bichon Frise, with good health status, received Frontline Spray x 100 ml, batch P05101A, expiry Nov/19, topically on 12/23/17. After product administration the animal continues having fleas. A BI technical talked with the owner. The dose is unknown and she does not make environmental treatment. It is unknown if the owner has had the product before The technical suggested an environmental treatment with methoprene and recomended to vacuum the environment and a monthly usage of Frontline Spray or Frontline Plus. There is no further information expected.
11-Jan-2018	UAE; 18AR000002; -; Argentina	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 6.400 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Jan-2018	02-Jan-2018	0 Day(s)	D-B	As reported by pet owner, Pepe, an approximately 2 years old feline, male, neutered, 6,400 kgr., mixed breed, in good health status, received one vial of Frontline Spot on Cat, batch 021/16, expiry Nov/19,topically between the shoulder blades on January 2nd 2018. After 12 hours, the cat started to bite, tear its hair out and scream, he licked the site of application and showed mydriasis. On January 3rd the owner took the cat to the Vet and he applied Atropine. On January 4th the cat recovered.The cat is in good health status and has not reacted to any others drugs in the past.
15-Jan-2018	UAE; 18AR000003; Buenos Aires; Argentina	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	07-Dec-2017	07-Dec-2017	0 Day(s)	D-D	As reported by pet owner,Abril, an approximately 5 years old canine, female, neutered, 18 kgr., Mixed Breed, in good health status, received 1.34 ml of "Frontline Spot on 10-20 Kg", batch Unknown, expiry date Unknown, topically between the shoulder blades on 7th December 2017. The owner complained because the ticks jumped back from the environment to the dog. The BI technician explained her that "Frontline Spot on" does not have repellency action and suggested the use of Frontline Tri Act which also containing permethrin and produce repellence. A monthly usage was recomended.
16-Jan-2018	UAE; 18AR000005; Buenos Aires; Argentina	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** M **Sex qualifier:** - **Age:** 4.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products	02-Jan-2018	02-Jan-2018	0 Day(s)	D-D	As reported by pet owner, Marito, an approximately 4 years old canine, male, intact, 7 kgr., Mixed breed, in good health status, received Frontline Spray x 2500 ml, batch P03101A, expiry Jun/19,topically only on the back on 2nd January 2018. After product administration the animal continues having fleas. A BI technician talked with the owner, the quantity of fleas that can be observed on her dog are due to a large quantity of inmature forms

N/A signifies the information for this field is either not available or not applicable

Sex Codes: M = Male, F = Female, U = Unknown, Mixed = Mixed population – male(s) and female(s)
* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
02-Feb-2018	UAE; 17US078023; MI; U.S.A	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Neutered **Age:** 16.00 Year(s) **Weight:** 8.000 lbs	1	1	1	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	13-Sep-2017	13-Oct-2017	N/A	D-A	Suspected Adverse Event: On 2 Feb 2018, the owner reported the following event for Luc, 16 year old, 8 pound, neutered male, Siamese feline. 13 Oct 2017: One vial of FRONTLINE PLUS CATS (P41510DW) was applied between the shoulder blades. The pet experienced extended abdomen, lethargy and anorexia. 13 Nov 2017: Another vial was applied and lethargy worsened. The cat was presented to the clinic. Blood work was run which showed small anemia. The attending vet prescribed an oral steroid, vitamins and unknown injectable antibiotic. 14 Nov 2017*: The cat passed away. The cat also received FRONTLINE on 13 Sept 2017 and no symptoms presented. No further medical information is expected.
08-Jan-2018	UAE; 18AR000001; Buenos Aires; Argentina	**Species:** Canine **Breed:** Bichon Frise **Sex:** M **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	23-Dec-2017	23-Dec-2017	0 Day(s)	D-D	As reported by pet owner, Milo, a 3 years old canine, male, neutered, 6 kgr., Bichon Frise, with good health status, received Frontline Spray x 100 ml, batch P05101A, expiry Nov/19, topically on 12/23/17. After product administration the animal continues having fleas. A BI technical talked with the owner. The dose is unknown and she does not make environmental treatment. It is unknown if the owner has had the product before The technical suggested an environmental treatment with methoprene and recomended to vacuum the environment and a monthly usage of Frontline Spray or Frontline Plus. There is no further information expected.
11-Jan-2018	UAE; 18AR000002; -; Argentina	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 6.400 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Jan-2018	02-Jan-2018	0 Day(s)	D-B	As reported by pet owner, Pepe, an approximately 2 years old feline, male, neutered, 6,400 kgr., mixed breed, in good health status, received one vial of Frontline Spot on Cat, batch 021/16, expiry Nov/19,topically between the shoulder blades on January 2nd 2018. After 12 hours, the cat started to bite, tear its hair out and scream, he licked the site of application and showed mydriasis. On January 3rd the owner took the cat to the Vet and he applied Atropine. On January 4th the cat recovered.The cat is in good health status and has not reacted to any others drugs in the past.
15-Jan-2018	UAE; 18AR000003; Buenos Aires; Argentina	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	07-Dec-2017	07-Dec-2017	0 Day(s)	D-D	As reported by pet owner,Abril, an approximately 5 years old canine, female, neutered, 18 kgr., Mixed Breed, in good health status, received 1.34 ml of "Frontline Spot on 10-20 Kg", batch Unknown, expiry date Unknown, topically between the shoulder blades on 7th December 2017. The owner complained because the ticks jumped back from the environment to the dog. The BI technician explained her that "Frontline Spot on" does not have repellency action and suggested the use of Frontline Tri Act which also containing permethrin and produce repellence. A monthly usage was recomended.
16-Jan-2018	UAE; 18AR000005; Buenos Aires; Argentina	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** M **Sex qualifier:** - **Age:** 4.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products	02-Jan-2018	02-Jan-2018	0 Day(s)	D-D	As reported by pet owner, Marito, an approximately 4 years old canine, male, intact, 7 kgr., Mixed breed, in good health status, received Frontline Spray x 2500 ml, batch P03101A, expiry Jun/19,topically only on the back on 2nd January 2018. After product administration the animal continues having fleas. A BI technician talked with the owner, the quantity of fleas that can be observed on her dog are due to a large quantity of inmature forms

N/A signifies the information for this field is either not available or not applicable

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Weight: 7 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)					that were found in her house. She does not make environmental treatment, so it was suggested the use of a methoprene product and recommended to vacuum the environment and monthly usage of Frontline. On the other hand, the owner just applied the product on the back of the animal and did not cover all the body with it
30-Jan-2018	UAE; 18AR000009; -; Argentina	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** F **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	26-Jan-2018	26-Jan-2018	0 Day(s)	D-D	As reported by pet owner, Reina, a 5 years old canine, female, neutered, 2 kgr., Poodle toy, in good health status, received Frontline Spray x 2500 ml, batch P04005A, expiry aug/18,topically between the shoulders,dosage unknown, on26 january 2018. After product administration the animal continues having fleas. A BI technician talked with the owner, the quantity of fleas that can be observed on her dog are due to a large quantity of inmature forms that were found in her house. She does not make environmental treatment, so it was suggested the use of a methoprene product and recommended to vacuum the environment and monthly usage of Frontline. On the other hand,
01-Feb-2018	UAE; 18AR000010; -; Argentina	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** M **Sex qualifier:** - **Age:** 7.00 Year(s) **Weight:** 22 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Jan-2018	20-Jan-2018	0 Day(s)	D-D	As reported by pet owner, Franck,a 7 years old canine, male, intact, 22 kgr., Mixed breed, in good health status, received Frontline Plus 20-40 kg, batch unknown, expiry unknown,topically between the shoulders,dosage 2,68 ml, on 20 january 2018. After product administration the animal continues having fleas. A BI technician talked with the owner, the quantity of fleas that can be observed on her dog are due to a large quantity of inmature forms that were found in her house. She does not make environmental treatment, so it was suggested the use of a methoprene product and recommended to vacuum the environment and monthly usage of Frontline.
31-Jan-2018	UAE; 18AR000011; -; Argentina	**Species:** Canine **Breed:** Poodle (Standard) **Sex:** M **Sex qualifier:** - **Age:** 6.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	26-Jan-2018	26-Jan-2018	0 Day(s)	N/A	As reported by pet owner,name unknown, age unknown (only puppy mentioned), weight unknown, canine, breed unknown, reproductive status unknown,health status unknown, received FRONTLINE PLUS DOGS,size unknown, batch unknown, expiry date unknown, route unknown, location and dose unknown administered by unknown on 26 January 2018 for flea treatment. The owner reported that the product had no effect and the dog still have fleas. A BI technician tried to contact the owner to collect more information without results. 5-February 2018: The technician contacted the owner who provided more information As reported by pet owner, Baltazar, 6 months old, 3 kilograms, canine, Poodle, intact, in good health status, received FRONTLINE PLUS DOGS, 0-10 kilograms, batch unknown, expiry date unknown, topical between the shoulders, dose 0.67 ml administered by the owner on 26 January 2018 for flea treatment. The puppy has not received the product before and there was no environment treatment The owner reported that the product had no effect and the dog still have fleas.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
09-Feb-2018	UAE; 18AR000013; -; Argentina	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	29-Jan-2018	29-Jan-2018	0 Day(s)	D-D	As reported by pet owner, Micha , an approximately 3 years old feline, female, intact neutered, 5 kg, Mixed breed, in good health status, received 0.5 ml of Frontline Spot on Cat, batch 011/17, expiry Dec/19,topically between the shoulder blades on 29 January 2018. The owner reported that the product had no effect and the cat still has fleas. A BI technician talked to the owner and noticed that the quantity of fleas that can be observed on her cat are due to a large quantity of immature forms in the environment. The owner does not make environmental treatment, so it was suggested the use of a methoprene product and recommended to vacuum the environment and monthly usage of Frontline. The last time she applied a pipette was on October 2017.
20-Feb-2018	UAE; 18AR000015; La Plata, Provincia de Buenos Aires; Argentina	**Species:** Canine **Breed:** English Bulldog **Sex:** F **Sex qualifier:** Pregnant **Age:** 4.00 Year(s) **Weight:** 27 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	12-Feb-2018	12-Feb-2018	0 Day(s)	D-D	As reported by pet owner, Perla, an approximately 4 years old, female, pregnant, 27 kg., English Bulldog, with good reproductive status, received one vial FRONTLINE SPOT ON, batch 025/15, expiry Oct/18,topically between the shoulder blades on 02/12/18. After product administration the animal continues having fleas. The quantity of fleas that can be observed on her dog are due to a large quantity of in mature forms that are found in her house. She does not make environmental treatment.
21-Feb-2018	UAE; 18AR000016; Olivos, Provincia de Buenos Aires; Argentina	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** M **Sex qualifier:** - **Age:** 3.00 Month(s) **Weight:** 1 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** - **Was the product used ok?:** No (Low dose)	16-Feb-2018	16-Feb-2018	N/A	D-D	As reported by pet owner, Mago, an approximately 3 months old, male, intact 1 kg., Mixed breed, with good reproductive status, received Frontline Spray x 100 ml, batch R00801A, expiry Jan/20, topically for all body, on 02/16/18. After product administration the animal continues having fleas. She did not apply FRONTLINE SPRAY correctly (low dose) and she did not make any environmental treatment.
02-Mar-2018	UAE; 18AR000017; -; Argentina	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** - **Age:** 10.00 Year(s) **Weight:** 22.500 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	10-Feb-2018	10-Feb-2018	0 Day(s)	D-D	As reported by pet owner, Siberiana, a 10 years old canine,female, intact, not pregnant not lactating,22.500 kg, Large Crossbreed, in good health status, received Frontline Plus 40-60 kg , batch and expiry unknown,topically between the shoulder blades on 10 February 2018. The owner applied just a half of the pipette. She reported that the product had no effect and the dog still has fleas . The owner does not make environmental treatment, so it was suggested the use of a methoprene product and recommended to vacuum the environment and monthly usage of Frontline.
14-Mar-2018	UAE; 18AR000018; -; Argentina	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** -	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	04-Mar-2018	04-Mar-2018	0 Day(s)	D-D	As reported by pet owner, Uma, a nine years old canine,female, intact, not pregnant and not lactating,34 kg, Mixed breed, health status unknown, received 2.68 ml of Frontline Plus, batch 008/17, expiry unknown,topically between the shoulder blades on 04 March 2018. The owner reported that the product had no effect and the dog still has fleas.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 9.00 Year(s) **Weight:** 34 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					A BI technician talked to the owner and noticed that the quantity of fleas that can be observed on her dog are due to a large quantity of immature forms in the environment. The owner does make environmental treatment but only with a flea-adulticide so it was suggested the use of a methoprene product and recommended to vacuum the environment and monthly usage of Frontline Plus or Tri Act.
19-Mar-2018	UAE; 18AR000020; Provincia de Buenos Aires; Argentina	**Species:** Feline **Breed:** Bengal **Sex:** M **Sex qualifier:** - **Age:** 3.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Mar-2018	01-Mar-2018	0 Day(s)	D-D	As reported by pet owner, Dolce Cuore, an approximately 3 years old feline, male, intact, 7 kg., Bengal, with good reproductive status, received one vial Frontline Spray x 250 ml, batch P03101A, expiry June/19,topically between the shoulder blades on 01 March 2018. After product administration the animal continues having fleas. Te owner doesn't´ make environment treatment to prevent fleas presence.
08-Mar-2018	UAE; 18AT000008; -; Austria	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Unknown **Age:** 18.00 Year(s) **Weight:** 4 - 5 kg	2	2	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Nov-2017*	20-Nov-2017*	N/A	D-D	Suspected Adverse Event: As reported by owner, two cats, approximately 18 years old, with weight from 4 to 5 kg, domestic shorthair breeed, in good previous health condition,were receiving regularly on a monthly basis the product FRONTLINE SPOT ON CAT (BN R20504BW, exp date: 2018 - unknown date) administered topically by the owner on unknown dates (20 Nov 2017 to 20 Feb 2017 were chosen by default).The product was usually applied by owner. According to her, the flea infection usually disappeared completely in 4 to 5 days after treatment. In the last three months prior to reporting, however, flea feces were still observed on the cats despite monthly treament (reduction of infestation, but no complete eradication). Concomitant treatment of the environment with relevant insecticides was not reported. The attending vet level of suspicion is: High.
08-Mar-2018	UAE; 18AT000009; -; Austria	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** - **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** - **Was the product used ok?:** Unknown to Company	01-Mar-2016*	01-Mar-2016*	N/A	D-D	Suspected Lack Of Efficacy: As reported by animal owner, attending vet of her cat noticed that several cats (unknown number, 2 was chosen by default) that received FRONT LINE SPOT ON CAT (BN, exp date unknown) against ticks and fleas during last two years, were not protected as expected. She has rapidely noticed that the product was not effective enough against ticks and that cats, mostly located in a Vienna´s district and nearby surroundings, were heavyly infected by tick despite the use of FRONTLINE SPOT ON CAT. However, she confirmed that effect of the product was good against fleas.
01-Jan-2018	UAE; 18AU000002; -; Australia	**Species:** Canine **Breed:** Spaniel (English Cocker) **Sex:** M **Sex qualifier:** - **Age:** 10.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	04-Dec-2017*	31-Dec-2017	0 Day(s)	D-D	As reported by the owner; Pluto, a 10 old, 15 Kg, male, intact, English Cocker Spaniel was given FRONTLINE PLUS MEDIUM 10-20KG for flea and tick control on the 31th of Dec 2017 by the Owner. The owner reported that the product hasnt worked as the dog is still licking and 'has licked his back end so much he's bleeding'. No vet attention was sought and the condition is ongoing. This is the extent of the information available.

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						product used ok?: Yes					
01-Jan-2018	UAE; 18AU000005; -; Australia	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	4	1	1	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jan-2018*	02-Jan-2018*	1 Day(s)	D-A	As reported by the owner; 4 kittens of unknown signalment were sprayed with FRONTLINE SPRAY for flea and tick control on an unknown date (assumed to be the 1st of Jan 2018) by the Owner. At the time of reporting on 2nd Jan 2017, 1 kitten has since died. Vet attention was sought, but the details of this are unknown . A comment was made by one vet that anaemia due to flea burden may have been the cause of the death. This is the extent of the information available.
04-Jan-2018	UAE; 18AU000023; NSW; Australia	**Species:** Feline **Breed:** Abyssinian **Sex:** M **Sex qualifier:** Neutered **Age:** 7.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Dec-2017*	08-Dec-2017*	0 Day(s)	D-D	As reported by the veterinarian, a 7 year old male desexed Abyssinian was given FRONTLINE PLUS FOR CATS (batch and expiry unknown) by the owner for flea control on approximately 1 DEC 2017. The housesitter reapplied FRONTLINE PLUS FOR CATS (batch and expiry unknown) inappropriately on approximately 8 DEC 2017. Since this time the cat has become more agitated. The condition is ongoing at the time of reporting. This is the extent of the information available.
09-Jan-2018	UAE; 18AU000037; -; Australia	**Species:** Canine **Breed:** Pug **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	05-Jan-2018	06-Jan-2018	1 Day(s)	D-D	As reported by the owner; a pug was given FRONTLINE SPRAY (2.5g/L Fipronil) for flea and tick control on the 05th of Jan 2018 by the Owner. Within 24 hours after administration, the dog experienced itchy skin. The owner called the vet and was advised to wash the dog which she did on the 06th of Jan, the dog has recovered. This is the extent of the information available.
22-Jan-2018	UAE; 18AU000100; -; Australia	**Species:** Canine **Breed:** Staffordshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 22 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	03-Jan-2018*	05-Jan-2018*	2 Day(s)	D-D	As reported by the owner, Betty Boo, a female, unknown signalment, 5 year old, Staffordshire Terrier, weighing 22kg, received one dosage form of FRONTLINE PLUS DOG (unsure of size) (FIPRONIL 10%/S METHOPRENE 9% SPOT ON, Batch and Expiry unknown), administered topically for flea and tick control on ~ 3 January 2018 (2.5 weeks ago). Within 2 days the dog experienced lethargy and wont jump. It is unknown whether the dog received veterinary treatment and the dog is still lethargic. The dog has had previous similar reaction to tea tree oil. It should be noted that the dog is a rescue dog and the owner has only had her since May 2017. This is the extent of the information available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Unknown to Company					
25-Jan-2018	UAE; 18AU000123; NSW; Australia	**Species:** Canine **Breed:** Chihuahua **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 2.30 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	25-Oct-2017	2 Day(s)	D-D	As reported by the vet, Billie Jean, a 7 month old 2.3kg female Chihuahua was administered FRONTLINE SPRAY (batch and expiry unknown) by the owner for tick prevention on approximately 23 OCT 2017. On 25 OCT 2017 the dog presented to the clinic with a paralysis tick head still attached but not showing any signs of paralysis. Vet noted was likely attached prior to Frontline application. Dog treated as per paralysis tick protocols (0.1ml anamav SC, atropine 0.9ml SC, tick anti serum, and hartmanns 2ml) and recovered. Repeat tick search was negative. This is the extent of the information available.
25-Jan-2018	UAE; 18AU000124; NSW; Australia	**Species:** Feline **Breed:** Russian Blue **Sex:** F **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** 3.8 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	17-Oct-2017	2 Day(s)	D-D	As reported by the vet,Jinxie, a 10 year old female desexed 3.8kg Russian Blue was administered FRONTLINE SPRAY (batch and expiry unknown) by the owner for tick prevention, dose rate unknown, time of application unknown (assumed 15 October for reporting purposes). On 17 OCT 2017 the cat presented to the clinic with laboured breathing, and a small paralysis tick was removed from L shoulder. Cat treated as per paralysis tick protocols (0.1ml ACP, atropine 0.9ml SC, tick anti serum), but owner declined hospitalisation and nursed at home. Recovered at an unknown time afterwards. This is the extent of the information available.
30-Jan-2018	UAE; 18AU000131; QLD; Australia	**Species:** Feline **Breed:** Ragdoll **Sex:** M **Sex qualifier:** Neutered **Age:** 2.50 Year(s) **Weight:** 4.6 kg	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** Milbemax (milbemycin oxime/praziquantel); **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	24-Jan-2018	25-Jan-2018	1 Day(s)	D-C	As reported by the attending veterinarian, Blue, a 2.5year old Ragdoll (signalment otherwise unknown) was administered FROTNLINE ORIGINAL FOR CATS (batch and expiry unknown) by the owner for flea control on approximately 25 Jan 2018. It is unknown if the cat has had this product previously. The owner believe the cat groomed the area of application and 12 hours later began hypersalivating. 27 JAN 2018 veterinarian attention was sought and the vet noted cat to be lethargic, dilated pupils, increased respiratory rate and the tongue was inflamed with ulcerations and the palate was ulcerated as well. It is unknown what the cat was treated with and the outcome is unknown. This is the extent of the information available. UPDATE 5 FEB: The owner called in to report this case and had further details to add: signalment: male neutered, 4.6kg. Product updated to FRONTLINE PLUS FOR CATS (M41005AW 30 JUN 2018) and date of application was 24 JAN 2018. Cat also received a milbemax worming tablet at the same time. Additional sign: unable to eat from 26 JAN 2018. Treated with saline solution and the reaction is ongoing This is the extent of the information available
28-Jan-2018	UAE; 18AU000133; -; Australia	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** Meloxicam; **Route:** Topical / Cutaneous **Was the product used**	22-Nov-2017*	24-Jan-2018	2 Day(s)	D-D	As reported by the owner; Bella, 10 old, 5 Kg, female, neutered, Maltese was given FRONTLINE (product UNSUBSTANTIATED) for flea and tick control on the 22nd of JAN 2018 by the Owner. On the 24th of JAN, the dog experienced 'red itchy skin and the fur went orange'. Vet attention was sought (though no formal consultation occurred) and the dog has recovered. The dog is also on meloxicam daily for an unknown cause. This is the extent of the information available.

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						ok?: Unknown to Company					
05-Feb-2018	UAE; 18AU000159; -; Australia	**Species:** Canine **Breed:** St. Bernard **Sex:** F **Sex qualifier:** - **Age:** 5.00 Year(s) **Weight:** 61 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Tramadol; **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	28-Jan-2018	05-Feb-2018	8 Day(s)	D-D	As reported by the owner, Hella Force, a female, intact, 5 year old, St Bernard, weighing 61 kg, received one dosage form of FRONTLINE PLUS DOG XL FIPRONIL 10%/S METHOPRENE 9% SPOT ON, Batch M64605A5, Expiry 11/2018) administered topically by the owner for flea and tick control on 28 January 2018. Note that this dog was underdosed for her weight. The owner noticed that the dog had brown ticks at the time of application. The dog is also receiving Tramadol for pain control post C-Section. 5 FEB 2018 The owner is still seeing brown ticks on the dog. Two other dogs in the same family have the same issue (see cases 18AU000160 & 161). This is the extent of the information available.
05-Feb-2018	UAE; 18AU000160; -; Australia	**Species:** Canine **Breed:** St. Bernard **Sex:** F **Sex qualifier:** - **Age:** 4.00 Year(s) **Weight:** 55 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Tramadol; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Jan-2018	05-Feb-2018	8 Day(s)	D-D	As reported by the owner, Lympe Eva, a female, intact, 4 year old, St Bernard, weighing 55kg, received one dosage form of FRONTLINE PLUS DOG XL FIPRONIL 10%/S METHOPRENE 9% SPOT ON, Batch M64605A5, Expiry 11/2018) administered topically by the owner for flea and tick control on 28 January 2018. The owner noticed that the dog had brown ticks and that was the reason for the administration of the product. The dog is also receiving Tramadol for pain control post C-Section. 5 FEB 2018 The owner is still seeing brown ticks on the dog. Two other dogs in the same family have the same issue (see cases 18AU000159 & 161). This is the extent of the information available.
05-Feb-2018	UAE; 18AU000161; -; Australia	**Species:** Canine **Breed:** St. Bernard **Sex:** F **Sex qualifier:** - **Age:** 3.20 Year(s) **Weight:** 52.000 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Tramadol; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Jan-2018	05-Feb-2018	8 Day(s)	D-D	As reported by the owner, Dray can Remi BS, a female, intact, 3.2 year old, St Bernard, weighing 52 kg, received one dosage form of FRONTLINE PLUS DOG XL FIPRONIL 10%/S METHOPRENE 9% SPOT ON, Batch M64605A5, Expiry 11/2018) administered topically by the owner for flea and tick control on 28 January 2018. The owner noticed that the dog had brown ticks at the time of application. The dog is also receiving Tramadol for pain control post C-Section. 5 FEB 2018 The owner is still seeing brown ticks on the dog. Two other dogs in the same family have the same issue (See cases 18AU000159 & 160). This is the extent of the information available.
01-Feb-2018	UAE; 18AU000174; -; Australia	**Species:** Feline **Breed:** Maine Coon Cat **Sex:** M **Sex qualifier:** Neutered **Age:** 11.00 Year(s) **Weight:** 6.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	30-Dec-2017	02-Feb-2018*	2 Day(s)	D-C	As reported by the owner; Pudda, approx. 11 year old, 6.5kg, neutered male Maine Coon was given 1 dose FRONTLINE PLUS FOR CATS (100g/L Fipronil, 120 g/L S-Methoprene) for Flea protection on the 31st of JAN 2018. 48 hours after application the owner noticed the hair at the application site had fallen out. No vet attention was sought and the condition is ongoing. The cat also received this product on 30 DEC 2017 with no apparent reaction. This is the extent of the information available.
19-Feb-2018	UAE; 18AU000212;	**Species:** Canine **Breed:** Border	1	1	0	**Product used:** FIPRONIL	10-Nov-2017*	01-Jan-2018*	N/A	D-D	As reported by the owner, Laika, a female, neutered, 2 year old, Border Collie X, weighing 17kg, received one dosage form of

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	-; Australia	Collie **Sex:** F **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 17 kg				10%/S METHOPRENE 9% SPOT ON **Other products used:** Capstar; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					FRONTLINE PLUS DOG M (FIPRONIL 10%/S METHOPRENE 9% SPOT ON, Batch unknown, Expiry 07/2018), administered topically by the owner for flea and tick control on 14 February 2018. The dog still had a lot of fleas. It should be noted that the dog has been using Frontline since Nov 2017, it should also be noted that the owner also used Capstar (14 FEB 2018) to treat the fleas at the same time as Frontline and has since used Nexgard 17 FEB 2018 with Capstar to treat the fleas, and the issue has apparently resolved. This is the extent of the information available.
19-Feb-2018	UAE; 18AU000224; -; Australia	**Species:** Canine **Breed:** Border Collie **Sex:** F **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 26 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	10-Jan-2018	12-Feb-2018	11 Day(s)	D-D	As reported by the owner; Bella, 8 year old, 26 Kg, female, neutered, Border Collie was given FRONLINE PLUS 20-40 KG (100g/L fipronil and 90g/L S-methoprene) for flea and tick control on the 01st Feb 2018 by the Owner. Noticed on the 12th Feb, the dog has had a high flea burden and scratched the hair off her back. No vet attention was sought and the condition is ongoing. She also received the product on 10th JAN 2018. This is the extent of the information available.
27-Feb-2018	UAE; 18AU000254; TAS; Australia	**Species:** Feline **Breed:** Ragdoll **Sex:** F **Sex qualifier:** Neutered **Age:** 7.50 Year(s) **Weight:** 4.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Species not indicated / recommended)	01-Jan-2016*	26-Feb-2018*	2 Day(s)	D-D	As reported by the attending veterinarian, Sooty, a 7.5yr old 4.2kg female desexed Ragdoll was administered FRONTLINE PLUS FOR DOGS up to 10kg (100g/L fipronil, 90g/L (S)-methoprene, batch and expiry unknown) administered by the owner on an unknown date, estimated as 24 FEB 2018 for reporting purposes. Please note that this is an off label use of the product (wrong species). 48 hours after this last application, the cat started vomiting and has a dull coat.Veterinary attention was sought and the cat was treated with Cerenia (maropitant) orally. The outcome is unknown at the time of reporting. Please note, the cat had been receiving this product incorrectly for many years with no ill effects. This is the extent of the information available.
05-Mar-2018	UAE; 18AU000274; NSW; Australia	**Species:** Canine **Breed:** Chihuahua **Sex:** F **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 1.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	Aug-2017*	31-Aug-2017*	N/A	D-D	As reported by the owner, Froga, a female, neutered, ~5 year old, Chihuahua, weighing 1.8kg, received one dosage form of FRONTLINE PLUS DOG S (FIPRONIL 10%/S METHOPRENE 9% SPOT ON, Batch M62912AL, Expiry 07/2018), administered topically by the owner for flea and tick control on 2 March 2018. The dog is still experiencing fleas and has flea dirt on her. She has been receiving this product since August 2017 (approx), frequency was not disclosed. It should be noted that there are other dogs in the family that are using a different product. This is the extent of the information available.
12-Mar-2018	UAE; 18AU000307; -; Australia	**Species:** Canine **Breed:** Canine (unknown)	1	1	0	**Product used:** FIPRONIL SPOT ON DOG	01-Jan-2017*	01-Jan-2017*	N/A	D-D	As reported by the owner; a 9.6kg male dog of otherwise unknown signalment was given topically one dosage form of FRONTLINE ORIGINAL MEDIUM 10-20kg (1.34mL of 100g/L Fipronil) for flea

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		Sex: M **Sex qualifier:** Unknown **Age:** - **Weight:** 9.6 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)					and tick control on approx. for reporting purposes, the 01st Mar 2018 by the Owner. Note that this product is inappropriately sized for this animal. The owner indicated she had been using the product for the previous 15 months and still had a persistent flea infestation (beginning approximately 1 Jan 2017 for reporting purposes). Vet attention was sought and the dog was changed to a competitor product. This is the extent of the information available.
20-Mar-2018	UAE; 18AU000346; -; Australia	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Neutered **Age:** 2.50 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Feb-2018	19-Feb-2018	N/A	D-D	As reported by the owner, Pip a approximately 8 kg, 2.5 year old female desexed ShihTzu cross Pomeranian was administered FRONTLINE PLUS DOGS S (fipronil 100g/L (S)-methoprene 90g/L, P62203, 08/2019) for flea control on 18 MAR 2018. The dog has also received this product on 19 FEB 2018 and approx 1 MAR 2018. The owner reports on 21 MAR 2018 that the dog still has fleas which has continued since beginning use of the product. This is the extent of the information available.
19-Mar-2018	UAE; 18AU000354; -; Australia	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 8.50 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Cortisone tablets; Carprofen Injection; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	13-Mar-2018	14-Mar-2018*	1 Day(s)	D-D	As reported by the owner; approx. 8.5 old, 5 Kg, male, neutered, breed unknown was given Topically one dosage form of FRONTLINE PLUS UNDER 10 KG (100g/L Fipronil 90g/L S-Methoprene, 0.67mL pipette) for flea and tick control on approx. 13th Mar 2018 by the Owner. Within 24 hours after administration, the dog experienced scratching which resulted in hair-loss and irritated skin by the 20th Mar 2018. No vet attention was sought and the Condition is unknown. The dog is also on cortisone tablets for 'brain swelling' and carprofen injections for 'arthritis'. This is the extent of the information available.
25-Mar-2018	UAE; 18AU000361; -; Australia	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 9.00 Year(s) **Weight:** 5 kg*	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Feb-2018*	03-Feb-2018*	2 Day(s)	D-D	As reported by the owner, Misty, a female, neutered, ~9 year old, Domestic Cat, weighing ~5kg, received one dosage form of FRONTLINE PLUS CATS (FIPRONIL 10%/S METHOPRENE 12% SPOT ON, Batch P41407AR/R, Expiry 10/2019), administered topically by the owner for flea and tick control in February 2018 (approximated as 1 FEB for reporting purposes). Within 2-3 days, the son noticed a scab on the cat at the site of administration, the cat was licking the area and removing the hair. The cat did not receive any veterinary treatment and has since recovered (approximated as the date of reporting for reporting purposes). This is the extent of the information available.
07-Feb-2018	UAE; 18BE000020; -; Belgium	**Species:** Canine **Breed:** Bouvier Des Flandres **Sex:** M **Sex qualifier:**	-	-	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other	01-Jan-2012*	01-Jan-2012	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, a 16 year old, 41 kilograms, male, Bouvier Des Flandres dog received Frontline Spot-on XL (Lot and Expiry date unknown, topically, between the shoulder blades) administered by the pet owner 6 years ago, for flea treatment. The pet owner used

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		Unknown **Age:** 10.00 Year(s) **Weight:** 41 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					Frontline Spot-on more than once (frequency and interval unknown). The owner complained about the lack of efficacy because she kept finding fleas on her dog despite treatment with Frontline Spot-on. On the recommendation of her veterinarian, she treated the dog with Advantix and the result was more satisfying. After treatment with Advantix she didn't find any fleas on her dog. No further information is expected.
02-Jan-2018	UAE; 18BR000001; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Dec-2015*	28-Dec-2017*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dudu, a 3-year-old, 15 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Dec 2017, for flea and tick control. Dudu was taken for a trip and when he came back, on 28 Dec 2017, he was infested by fleas and ticks. He was bathed but today the dog continued to have fleas. Outdoor access denied. Environment not treated. FRONTLINE was used in the past with no issues (since 20 Dec 2015, date chosen at random). There is no further information available.
02-Jan-2018	UAE; 18BR000003; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 11.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a 5-year-old, 11.5 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (011/16, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 29 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Environment not treated. There is no information regarding previous exposure to FL. No further information is available.
02-Jan-2018	UAE; 18BR000004; SP; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 9.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ozy, a male Dachshund of 9 years old and 9.5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the pet remains with fleas. Flea infestation 1 month prior to FL. The surrounding environment has been treated with deltamethrin and it is unknown if FL was used in the past. There is another dog in this household with the same issue (see case 18BR000005). No further information is expected.
02-Jan-2018	UAE; 18BR000005; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Romeu, a male small crossbred dog of 2 years old and 9 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the pet remains with fleas. Flea infestation 1 month prior to FL. The surrounding environment has been treated with deltamethrin and it is unknown if FL was used in the past. There is another dog in this household with the same issue (see case 18BR000004). No further information is expected.

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02-Jan-2018	UAE; 18BR000007; SC; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** U **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Dec-2017*	02-Jan-2018*	26 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Leysse, 11 years old, 20 kilograms, unknown sex, canine, Cho Chow, received 01 pipette of FRONTLINE SPOT-ON DOGS L (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 07 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because today, she found 12 fleas in her pet. The surrounding environment has not been treated. No Further information is expected.
02-Jan-2018	UAE; 18BR000008; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017	02-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tom, a male small crossbred dog of 8 months old and 10 kg, received FRONTLINE SPRAY (FL) (010/16, Jun 2018, topical, whole body), applied by the reporter on 29 Dec 2017, for tick treatment. Lack of efficacy suspected because the pet remains with ticks. Tick infestation 1 day prior to FL. The surrounding environment has been treated with deltamethrin and FL was also applied on 1 Dec 2017. There is another dog in this household with the same issue (see case 18BR000009). No further information is expected.
02-Jan-2018	UAE; 18BR000009; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 29 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017	02-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pandora, a female large crossbred dog of 5 months old and 29 kg, received FRONTLINE SPRAY (FL) (010/16, Jun 2018, topical, whole body), applied by the reporter on 29 Dec 2017, for tick treatment. Lack of efficacy suspected because the pet remains with ticks. Tick infestation 1 day prior to FL. The surrounding environment has been treated with deltamethrin and FL was also applied on 1 Dec 2017. There is another dog in this household with the same issue (see case 18BR000008). No further information is expected.
02-Jan-2018	UAE; 18BR000011; SP; Brazil	**Species:** Canine **Breed:** Scottish Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 9.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Eros, a male Scottish Terrier of 3 years old and 9.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (014/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 18 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has not been treated and it is unknown if FL has previously been administered. No further information is expected.
02-Jan-2018	UAE; 18BR000012; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous	29-Jan-2017*	02-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pitucha, a female large crossbred dog of 3 years old and 23 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (012/16, Oct 2018, topical, btw the shoulder blades), applied by the reporter on 29 Dec 2017, for flea control. The pet has flea allergic dermatitis. Lack of efficacy suspected because the pet is scratching herself. No ectoparasite was reported. The surrounding environment has not been treated and FL has been applied every 3 months with no issue (29 Jan 2017 - estimated date). Two more

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		Weight: 23 kg				**Was the product used ok?:** Yes					animals in this household received FL and they have no issue . No further information is expected.
02-Jan-2018	UAE; 18BR000013; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 5.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Neguinho, a male small crossbred dog of 2.5 years old and 5.8 kg, received one vial of FRONTLINE PLUS DOG S (FL) (001/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2017, for flea treatment. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR000014). No further information is expected.
02-Jan-2018	UAE; 18BR000014; MG; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pinco, a male medium crossbred dog of 2.5 years old and 18 kg, received one vial of FRONTLINE PLUS DOG S (FL) (001/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2017, for flea treatment. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR000013). No further information is expected.
02-Jan-2018	UAE; 18BR000017; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 32 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Dec-2016*	29-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sasha, a 3-year-old, 32 kg, female Labrador Retriever, was treated with one vial of FRONTLINE SPOT-ON DOGS L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 28 Dec 2017, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks and scratching. FL has been applied every 3 months (since 28 Dec 2016, date chosen at random), tick infestation 3 months prior to FL, indoor dog, environment treated. One other dog of the same household that is also on FL was reported on 18BR000018. No further information is available.
02-Jan-2018	UAE; 18BR000018; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.80 Year(s) **Weight:** 26 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Dec-2016*	29-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Beethoven, a 3.8-year-old, 26 kg, male crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 28 Dec 2017, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks and scratching. FL has been applied every 3 months (since 28 Dec 2016, date chosen at random), tick infestation 3 months prior to FL, indoor dog, environment treated. One other dog of the same household that is also on FL was reported on 18BR000017. No further information is available.
02-Jan-2018	UAE; 18BR000019; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F	1	1	0	**Product used:** FIPRONIL SPRAY	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Brigite, a female Siamese of approximately 4 years old and 7 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical,

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		Sex qualifier: Unknown **Age:** 4.00 Year(s) **Weight:** 7 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL has been applied every 2 months. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000020 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000020; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Frajola, a male mixed breed cat of approximately 4 years old and 6 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL has been applied every 2 months. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019, 17BR000021 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000021; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Hanter, a male Siamese of approximately 4 years old and 6 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL has been applied every 2 months. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019, 18BR000020, 18BR000022 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000022; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dudu, a male Siamese of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL has been applied every 2 months. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019, 18BR000020, 18BR000021, 17BR000023 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000023; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Joe, a male Siamese of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL has been applied every 2 months. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000022, 18BR000024 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000024;	**Species:** Feline **Breed:** Feline	1	1	0	**Product used:** FIPRONIL	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luna, a female mixed breed cat of approximately 4 years old and 6

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	SP; Brazil	mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg				SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL has been applied every 2 months. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000023, 18BR000025 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000025; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Brenda, a female mixed breed cat of approximately 4 years old and 6 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000024, 18BR000026 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000026; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Narizinho, a female mixed breed cat of approximately 4 years old and 6 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000025, 18BR000027 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000027; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pipoca, a female mixed breed cat of approximately 4 years old and 6 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000026, 18BR000028 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000028; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cristal, a female mixed breed cat of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000027, 18BR000029 to 18BR000036). No further information is expected.

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02-Jan-2018	UAE; 18BR000029; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Safira, a female mixed breed cat of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000028, 18BR000030 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000030; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Docinho, a female mixed breed cat of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000029, 18BR000031 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000031; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lili, a female mixed breed cat of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000030, 18BR000032 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000032; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Shaninha, a female mixed breed cat of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000031, 18BR000033 to 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000033; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Monica, a female mixed breed cat of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000032, 18BR000034 to 18BR000036). No further information is expected.

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						ok?: Yes					
02-Jan-2018	UAE; 18BR000034; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jade, a female mixed breed cat of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000033, 18BR000035 and 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000035; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Fiona, a female mixed breed cat of approximately 4 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000034 and 18BR000036). No further information is expected.
02-Jan-2018	UAE; 18BR000036; SP; Brazil	**Species:** Canine **Breed:** Border Collie **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Amora, a female Border Collie of 2 months old and 12 kg, received FRONTLINE SPRAY (FL) (002/16, Jan 2018, topical, whole body), applied by the reporter on 27 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time around 1 Jan 2017 (estimated date). There are 17 animals in this household with the same issue (see cases 18BR000019 to 18BR000035). No further information is expected.
02-Jan-2018	UAE; 18BR000041; SP; Brazil	**Species:** Canine **Breed:** Fila Brasiliera **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	23 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Pandora, 03 months old, 08 kilograms, female, canine, Fila Brasileiro, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/16, expiry date unknown, topically, in the whole body), applied by the reporter on 10 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL because her animals continues to have fleas. According to the owner, animals did´t have fleas before the application. The environment has not been treated. There is also another dog in this household with a similar problem (see case 18BR000042). No Further information is expected.
02-Jan-2018	UAE; 18BR000042; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Month(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	02-Jan-2018*	23 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Pipoca, 10 months old, 05 kilograms, female, canine, Shih Tzu, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/16, expiry date unknown, topically, in the whole body), applied by the reporter on 10 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL because her animals continues to have fleas. According to the owner, animals did´t have fleas before the application. The environment has not been treated. There is also another dog in this household with a similar

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						product used ok?: Yes					problem (see case 18BR000041). No Further information is expected.
02-Jan-2018	UAE; 18BR000046; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	5 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kiara, a female medium crossbred dog of 3 years old and 18 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Nov 2017, for flea/tick treatment. Lack of efficacy suspected because the pet remains with fleas and ticks. Flea and tick infestion 15 days prior to FL. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR000047). No further information is expected.
02-Jan-2018	UAE; 18BR000047; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	5 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Penelope, a female medium crossbred dog of 9 years old and 15 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Nov 2017, for flea/tick treatment. Lack of efficacy suspected because the pet remains with fleas and ticks . Flea and tick infestion 15 days prior to FL. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR000046). No further information is expected.
02-Jan-2018	UAE; 18BR000048; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner,Luna, 13 years old, weight unknown, female, canine, Mixed Breed, received 01 pipette of FRONTLINE® (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 05 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because she saw fleas in her pets .. The surrounding environment has been treated with K-OTHRINE®. There are also another 03 dogs 02 cats in this household with similar problem (see cases 18BR000049 to 18BR000053). No Further information is expected.
02-Jan-2018	UAE; 18BR000049; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	4 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Lola, 09 years old, weight unknown, female, canine, Mixed Breed, received 01 pipette of FRONTLINE® (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 05 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because she saw fleas in her pets .. The surrounding environment has been treated with K-OTHRINE®. There are also another 03 dogs 02 cats in this household with similar problem (see cases 18BR000048 and 18BR000050 to 18BR000053). No Further information is expected.

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02-Jan-2018	UAE; 18BR000050; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	4 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Zé, 02 years old, weight unknown, male, canine, Mixed Breed, received 01 pipette of FRONTLINE® (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 05 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because she saw fleas in her pets .. The surrounding environment has been treated with K-OTHRINE®. There are also another 03 dogs 02 cats in this household with similar problem (see cases 18BR000048, 18BR000049 and 18BR0051 to 18BR000053). No Further information is expected.
02-Jan-2018	UAE; 18BR000051; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2017*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Simba, 03 years old, weight unknown, male, canine, Mixed Breed, received 01 pipette of FRONTLINE® (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 05 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because she saw fleas in her pets .. The surrounding environment has been treated with K-OTHRINE®. There are also another 03 dogs 02 cats in this household with similar problem (see cases 18BR000048 to 18BR000050, 18BR0052 and 18BR000053). No Further information is expected.
02-Jan-2018	UAE; 18BR000052; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	18 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Sininho, 02 years old, weight unknown, female, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 15 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because she saw fleas in her pets. The surrounding environment has been treated with K-OTHRINE®. There are also another 04 dogs and 01 cat in this household with similar problem (see cases 18BR000048 to 18BR000051 and 18BR0053). No Further information is expected.
02-Jan-2018	UAE; 18BR000053; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Pandora, 02 years old, weight unknown, female, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 15 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because she saw fleas in her pets.. The surrounding environment has been treated with K-OTHRINE®. There are also another 04 dogs 01 cat in this household with similar problem (see cases 18BR000048 to 18BR000052). No Further information is expected.
02-Jan-2018	UAE; 18BR000057; PR; Brazil	**Species:** Canine **Breed:** Lhasa	1	1	0	**Product used:** FIPRONIL SPRAY	01-Jan-2017*	02-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bebe, a female Lhasa Apso of 8 years old and 2 kg, received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical,

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 2 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					whole body), applied by the reporter on 30 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL was applied in the past with no issue (1 Jan 2017 - estimated date). There are four more animals in this household with the same issue (see cases 18BR000058, 18BR000059, 18BR000060 and 18BR000139) and there is a cat that reacted after FL (see case 18BR000061). In addition, another cat was not treated with FL. No further information is expected.
02-Jan-2018	UAE; 18BR000058; PR; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Belinha, a female Shih Tzu of 9 years old and 3.5 kg, received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical, whole body), applied by the reporter on 30 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL was applied in the past with no issue (1 Jan 2017 - estimated date). There are four more animals in this household with the same issue (see cases 18BR000057, 18BR000059, 18BR000060 and 18BR000139) and there is a cat that reacted after FL (see case 18BR000061). In addition, another cat was not treated with FL. No further information is expected.
02-Jan-2018	UAE; 18BR000059; PR; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Marley, a male Lhasa Apso of 3 years old and 2.5 kg, received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical, whole body), applied by the reporter on 30 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL was applied in the past with no issue (1 Jan 2017 - estimated date). There are four more animals in this household with the same issue (see cases 18BR000058, 18BR000059, 18BR000060 and 18BR000139) and there is a cat that reacted after FL (see case 18BR000061). In addition, another cat was not treated with FL. No further information is expected.
02-Jan-2018	UAE; 18BR000060; PR; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Rebeca, a female Maltese of 8 years old and 2 kg, received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical, whole body), applied by the reporter on 30 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL was applied in the past with no issue (1 Jan 2017 - estimated date). There are four more animals in this household with the same issue (see cases 18BR000058, 18BR000059, 18BR000061 and 18BR000139) and there is a cat that reacted after FL (see case 18BR000061). In addition, another cat was not treated with FL. No further information is expected.
02-Jan-2018	UAE; 18BR000061; PR; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products	01-Jan-2017*	31-Dec-2017*	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, one cat of unknown signalment received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical, btw the shoulder blades - incorrect application), applied by the reporter on 30 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. On date not specified, the pet presented with application site burn and the

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		Age: - **Weight:** Unknown				**Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					outcome is unknown. FL was applied in the past with no issue. SLOE reported on 18BR000139. The owner also complained about the lack of efficacy on 4 dogs (see cases 18BR000057 to 18BR000060) and one cat was not treated with FL. This is the extent of the information available.
02-Jan-2018	UAE; 18BR000062; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, a female mixed breed cat of 6 years old and 4 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 21 Dec 2017, for flea treatment. Flea infestation 5 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another cat in this household with the same issue (see case 18BR000063). No further information is expected.
02-Jan-2018	UAE; 18BR000063; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, RJ, a male mixed breed cat of 7 years old and 7 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 21 Dec 2017, for flea treatment. Flea infestation 5 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another cat in this household with the same issue (see case 18BR000062). No further information is expected.
02-Jan-2018	UAE; 18BR000064; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Manoel, a male Siamese of 2 years old and unknown weight, received one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 28 Dec 2017, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
02-Jan-2018	UAE; 18BR000067; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	27-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Suzy, a 10-year-old, 19 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, one week ago (date presumed 26 Dec 2017), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 1 week prior to FL, environment treated with Triatox (MSD Lab.). Information about previous exposure to FRONTLINE not provided. No further information is

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Weight: 19 kg				**product used ok?:** Yes					available.
02-Jan-2018	UAE; 18BR000068; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	18-Dec-2017*	19-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Yago, a 3-year-old, 4 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, neck and back, by the reporter, for the first time 15 days ago (date presumed 18 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. 5 other cats of the same household that are also on FL were reported on 18BR000069, 18BR000070, 18BR000071, 18BR000072 and 18BR000073. There is no further information available.
02-Jan-2018	UAE; 18BR000069; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	18-Dec-2017*	19-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Juan, an 8-year-old, 7 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, neck and back, by the reporter, for the first time 15 days ago (date presumed 18 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Environment not treated. 5 other cats of the same household that are also on FL were reported on 18BR000068, 18BR000070, 18BR000071, 18BR000072 and 18BR000073. There is no further information available.
02-Jan-2018	UAE; 18BR000070; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	18-Dec-2017*	19-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Rosinha, a 10-year-old, 3 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, neck and back, by the reporter, for the first time 15 days ago (date presumed 18 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Environment not treated. 5 other cats of the same household that are also on FL were reported on 18BR000068, 18BR000069, 18BR000071, 18BR000072 and 18BR000073. There is no further information available.
02-Jan-2018	UAE; 18BR000071;	**Species:** Feline **Breed:** Feline	1	1	0	**Product used:** FIPRONIL	18-Dec-2017*	19-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luna, a 4-year-old, 3 kg, female mixed breeds cat, was treated

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	SP; Brazil	mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3 kg				10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, neck and back, by the reporter, for the first time 15 days ago (date presumed 18 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Environment not treated. 5 other cats of the same household that are also on FL were reported on 18BR000068, 18BR000069, 18BR000070, 18BR000072 and 18BR000073. There is no further information available.
02-Jan-2018	UAE; 18BR000072; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	18-Dec-2017*	19-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lua, a 3-year-old, 3 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, neck and back, by the reporter, for the first time 15 days ago (date presumed 18 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Environment not treated. 5 other cats of the same household that are also on FL were reported on 18BR000068, 18BR000069, 18BR000070, 18BR000071 and 18BR000073. There is no further information available.
02-Jan-2018	UAE; 18BR000073; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	18-Dec-2017*	19-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a 3-year-old, 4 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, neck and back, by the reporter, for the first time 15 days ago (date presumed 18 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Environment not treated. 5 other cats of the same household that are also on FL were reported on 18BR000068, 18BR000069, 18BR000070, 18BR000071 and 18BR000072. There is no further information available.
02-Jan-2018	UAE; 18BR000074; RJ; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other	08-Dec-2017	09-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Focus, a 14-year-old, 20 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (019/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 8 Dec 2017 and 22 Dec 2017, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 2 months prior to FL, environment treated. 3 other dogs

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 14.00 Year(s) **Weight:** 20 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					of the same household that are also on FRONTLINE were reported on 18BR000075, 18BR000076 and 18BR000077. No further information is available.
02-Jan-2018	UAE; 18BR000075; RJ; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 22 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Dec-2017	09-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Petitinho, a 13-year-old, 22 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (019/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 8 Dec 2017 and 22 Dec 2017, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks . Tick infestation 2 months prior to FL, environment treated. 3 other dogs of the same household that are also on FRONTLINE were reported on 18BR000074, 18BR000076 and 18BR000077. No further information is available.
02-Jan-2018	UAE; 18BR000076; RJ; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	08-Dec-2017	09-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Petúnia, a 13-year-old, 18 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (019/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 8 Dec 2017 and 22 Dec 2017, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks . Tick infestation 2 months prior to FL, environment treated. 3 other dogs of the same household that are also on FRONTLINE were reported on 18BR000074, 18BR000075 and 18BR000077. No further information is available.
02-Jan-2018	UAE; 18BR000077; RJ; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 12.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Dec-2017	09-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Fiona, a 4-year-old, 12.5 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 8 Dec 2017 and 22 Dec 2017, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks . Tick infestation 2 months prior to FL, environment treated. 3 other dogs of the same household that are also on FRONTLINE were reported on 18BR000074, 18BR000075 and 18BR000076. No further information is available.
02-Jan-2018	UAE; 18BR000079; SP; Brazil	**Species:** Canine **Breed:** West Highland White **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	24-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nany, a 5-year-old, 7 kg, female West Highland White Terrier, was treated with an unknown dose of FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, 'whole body', by the reporter, on 24 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 1 day prior to FL, environment treated with deltamethrin. There is no information regarding previous exposure to FL. One other dog of the same household that is also on FL was reported on 18BR000080. No

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						product used ok?: Yes					further information is available.
02-Jan-2018	UAE; 18BR000080; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Filó, a 9-month-old, 4.5 kg, female Lhasa Apso, was treated with an unknown dose of FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, 'whole body', by the reporter, on 24 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 1 day prior to FL, environment treated with deltamethrin. There is no information regarding previous exposure to FL. One other dog of the same household that is also on FL was reported on 18BR000079. No further information is available.
03-Jan-2018	UAE; 18BR000085; RS; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Noel, a 5-year-old, 3.5 kg, male Shih Tzu, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 30 Dec 2017, for flea control. Lack of efficacy suspected because the dog is currently infested by fleas. Information about previous exposure to FRONTLINE not provided. Environment treated. 1 other dog of the same household that is also on FL was reported on 18BR000086. No further information is available.
03-Jan-2018	UAE; 18BR000086; RS; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Clara, a 4-year-old, 4.8 kg, female Shih Tzu, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 30 Dec 2017, for flea control. Lack of efficacy suspected because the dog is currently infested by fleas. Information about previous exposure to FRONTLINE not provided. Environment treated. 1 other dog of the same household that is also on FL was reported on 18BR000085. No further information is available.
03-Jan-2018	UAE; 18BR000097; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luna, a female Yorkshire of 12 years old and 2.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 15 Dec 2017, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy suspected because the pet remains with ticks . The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied . No further information is expected.
03-Jan-2018	UAE; 18BR000098;	**Species:** Canine **Breed:** Lhasa	1	1	0	**Product used:** FIPRONIL	N/A	03-Jan-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Marley, a male Lhasa Apso of 75 days old and 2 kg, received one

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
	MG; Brazil	Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 75.00 Day(s) **Weight:** 2 kg				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, neck - incorrect application), applied by the reporter 10 days ago (24 Dec 2017, for flea control. Lack of efficacy suspected because the pet has fleas . The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
03-Jan-2018	UAE; 18BR000099; SP; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** M **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	13 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Toby, 15 years old, 10 kilogram, male, canine, Basset Hound, received 01 pipette of FRONTLINE PLUS DOG S(FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 21 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because he saw fleas in his pets . According to the owner animal already had fleas 01 month prior (21 Nov, 2017 – estimated date) to treatment. The surrounding environment has not been treated. There are also another dog and 03 cats in this household with similar problem (see cases 18BR000100 to 18BR000103). No Further information is expected.
03-Jan-2018	UAE; 18BR000100; SP; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	13 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Meg, 07 years old, 05 kilogram, female, canine, Basset Hound, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 21 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because he saw fleas in his pets . According to the owner animal already had fleas 01 month prior (21 Nov, 2017 – estimated date) to treatment. The surrounding environment has not been treated. There are also another dog and 03 cats in this household with similar problem (see cases 18BR000099 and 18BR000101 to 18BR000103). No Further information is expected.
03-Jan-2018	UAE; 18BR000101; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	13 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Calvin, 08 years old, 08 kilogram, male, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 21 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because he saw fleas in his pets . According to the owner animal already had fleas 01 month prior (21 Nov, 2017 – estimated date) to treatment. The surrounding environment has not been treated. There are also another 02 dogs and 02 cats in this household with similar problem (see cases 18BR000099, 18BR000100, 18BR000102 and 18BR000103). No Further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
03-Jan-2018	UAE; 18BR000102; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	13 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Pepito, unknown age, 05 kilogram, male, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 21 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because he saw fleas in his pets. According to the owner animal already had fleas 01 month prior (21 Nov, 2017 – estimated date) to treatment. The surrounding environment has not been treated. There are also another 02 dogs and 02 cats in this household with similar problem (see cases 18BR000099 to 18BR000101 and 18BR000103). No Further information is expected.
03-Jan-2018	UAE; 18BR000103; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	13 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Pepita, 01 year old, 03 kilogram, female, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 21 Dec, 2017, for flea control. The owner complained about the lack of efficacy of FL, because he saw fleas in his pets. According to the owner animal already had fleas 01 month prior (21 Nov, 2017 – estimated date) to treatment. The surrounding environment has not been treated. There are also another 02 dogs and 02 cats in this household with similar problem (see cases 18BR000099 to18BR000102) . No Further information is expected.
03-Jan-2018	UAE; 18BR000104; SP; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** F **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 40 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	03-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sacha, a female Chow chow of 18 months old and 40 kg, received FRONTLINE SPRAY (FL) (014/15, Dec 2017, topical, parts of the body - incorrect application), applied by the reporter 14 days ago (20 Dec 2017 - estimated date). Flea infestation 2 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000105 to 18BR000109). No further information is expected.
03-Jan-2018	UAE; 18BR000105; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not	N/A	03-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a female large crossbred dog of 3 years old and 20 kg, received FRONTLINE SPRAY (FL) (014/15, Dec 2017, topical, parts of the body - incorrect application), applied by the reporter 14 days ago (20 Dec 2017 - estimated date). Flea infestation 2 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000104, 18BR000106 to 18BR000109). No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						respected)					
03-Jan-2018	UAE; 18BR000106; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	03-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Suzy, a female small crossbred dog of 3 years old and 6 kg, received FRONTLINE SPRAY (FL) (014/15, Dec 2017, topical, parts of the body - incorrect application), applied by the reporter 14 days ago (20 Dec 2017 - estimated date). Flea infestation 2 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000104, 18BR000105, 18BR000107 to 18BR000109). No further information is expected.
03-Jan-2018	UAE; 18BR000107; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 24 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	03-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pity, a female large crossbred dog of 11 years old and 24 kg, received FRONTLINE SPRAY (FL) (014/15, Dec 2017, topical, parts of the body - incorrect application), applied by the reporter 14 days ago (20 Dec 2017 - estimated date). Flea infestation 2 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000104 to 18BR000106, 18BR000108 and 18BR000109). No further information is expected.
03-Jan-2018	UAE; 18BR000108; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 11 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	03-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Snoopy, a male medium crossbred dog of 2 years old and 11 kg, received FRONTLINE SPRAY (FL) (014/15, Dec 2017, topical, parts of the body - incorrect application), applied by the reporter 14 days ago (20 Dec 2017 - estimated date). Flea infestation 2 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000104 to 18BR000107 and 18BR000109). No further information is expected.
03-Jan-2018	UAE; 18BR000109; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	03-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Huck, a male medium crossbred dog of 11 years old and 17 kg, received FRONTLINE SPRAY (FL) (014/15, Dec 2017, topical, parts of the body - incorrect application), applied by the reporter 14 days ago (20 Dec 2017 - estimated date). Flea infestation 2 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see

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		Weight: 17 kg				**product used ok?:** No (Treatment / vaccination program not respected)					cases 18BR000104 to 18BR000108). No further information is expected.
03-Jan-2018	UAE; 18BR000110; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	24 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Melody, a female Poodle of 9 years old and 5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 10 Dec 2017, for flea treatment. Flea infestation 10 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
03-Jan-2018	UAE; 18BR000112; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 09 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Nicolau, 01 year old, 09 kilogram, male, canine, Shih Tzu, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 001/17 and expiry date NOV 2018, topically, between the shoulder blades) applied by the reporter on 24 Dec, 2017, for flea and tick treatment. The owner complained about the lack of efficacy of FL, because he continues to see fleas and ticks in his pet. According to the owner animal already had parasites 02 month prior (24 Oct, 2017 – estimated date) to treatment. The surrounding environment has been treated with BUTOX® and an unknown disinfectant. No Further information is expected.
03-Jan-2018	UAE; 18BR000113; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 07 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Oct-2017*	03-Jan-2018*	20 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Maike, 03 year old, 07 kilogram, male, canine, Shih Tzu, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 14 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL, because she continues to see big fleas on her pet. According to the owner animal already had parasites 05 days prior (09 Dec, 2017 – estimated date) to treatment. The owner already used FL in the past with no issues (09 Oct, 2017 – date chosen at random). The surrounding environment has been treated but the owner could not inform the product name. There is also another dog in this household with similar problem (see case 18BR000114). No Further information is expected.
03-Jan-2018	UAE; 18BR000114; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	09-Oct-2017*	03-Jan-2018*	20 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Luna, 01 year old, 05 kilogram, female, canine, Lhasa Apso, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 14 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL, because she continues to see big fleas her pet. According to the owner animal already had parasites 05 days prior (09 Dec, 2017 – estimated date) to treatment. The owner already used FL in the past with no

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						Cutaneous **Was the product used ok?:** Yes					issues (09 Oct, 2017 – date chosen at random). The surrounding environment has been treated but the owner could not inform the product name. There is also another dog in this household with similar problem (see case 18BR000113). No Further information is expected.
03-Jan-2018	UAE; 18BR000123; RS; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Charlote, a female Yorkshire of 7 years old and 5.5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 17 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
03-Jan-2018	UAE; 18BR000124; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Nov-2017*	03-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Belinha, a female small crossbred dog of 6 years old and 9 kg, received, for the second time, one vial of FRONTLINE PLUS DOG S (FL) (001/16, Nov 2018, topical, btw the shoulder blades), applied by the reporter on 31 Dec 2017, for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was applied for the first time on date not specified (1 Nov 2017 - chosen at random). A similar case was reported one (18BR000125). No further information is expected.
03-Jan-2018	UAE; 18BR000125; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Nov-2017*	03-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bob, a male small crossbred dog of 4 years old and 7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (001/16, Nov 2018, topical, btw the shoulder blades), applied by the reporter on 23 Dec 2017, for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL was applied for the first time on date not specified (1 Nov 2017 - chosen at random). A similar case was reported one (18BR000124). No further information is expected.
03-Jan-2018	UAE; 18BR000129; AM; Brazil	**Species:** Canine **Breed:** French Bulldog **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	5 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Meg, 07 months old, 12 kilogram, female, canine, French Bulldog, received 01 pipette of FRONTLINE PLUS DOG M(FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 29 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL, because she saw fleas in her pets. According to the owner animal already had fleas 03 month prior (29 Sep, 2017 – estimated date) to treatment. The surrounding environment has not been treated. There is also another dog with similar problem (see case 18BR000130). No Further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
03-Jan-2018	UAE; 18BR000130; AM; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Jan-2018*	5 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Magrela, 08 months old, 02 kilograms, female, feline, Mixed Breed, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 002/17, expiry date unknown, topically, in the whole body), applied by the reporter on 10 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL, because she saw fleas in her pets. According to the owner animal already had fleas 03 month prior (29 Sep, 2017 – estimated date) to treatment. The surrounding environment has not been treated. There is also another dog with similar problem (see case 18BR000129). No Further information is expected.
02-Jan-2018	UAE; 18BR000139; PR; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	02-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one cat of unknown signalment received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical, btw the shoulder blades - incorrect application), applied by the reporter on 30 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL was applied in the past with no issue. The cat also reacted after product application (See case 18BR000061). The owner also complained about the lack of efficacy on 4 dogs (see cases 18BR000057 to 18BR000060) and one cat was not treated with FL. This is the extent of the information available.
04-Jan-2018	UAE; 18BR000142; -; Brazil	**Species:** Canine **Breed:** Pug **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 16 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Flora, a female Pug of 6 years old and 16 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000143 to 18BR000147). No further information is expected. UPDATE 09 Feb 2018 – The owner contacted BI again to add more animals to the past occurrences (see cases 18BR001377 and 18BR001378). The cases 18BR000149 and 18BR000150 are also linked with the case. No further information is available.
04-Jan-2018	UAE; 18BR000143; -; Brazil	**Species:** Canine **Breed:** Pug **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pingo, a male Pug of 8 years old and 10 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000142, 18BR000144 to 18BR000147). No further information is expected. UPDATE 09 Feb 2018 – The owner contacted BI again to add more animals to the past occurrences (see cases 18BR001377 and 18BR001378). The cases 18BR000149 and 18BR000150 are

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											also linked with the case. No further information is available.
04-Jan-2018	UAE; 18BR000144; -; Brazil	**Species:** Canine **Breed:** Pug **Sex:** F **Sex qualifier:** Unknown **Age:** 1.50 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Amora, a female Pug of 1.5 years old and 10 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000142, 18BR000143, 18BR000145 to 18BR000147). No further information is expected.UPDATE 09 Feb 2018 – The owner contacted BI again to add more animals to the past occurrences (see cases 18BR001377 and 18BR001378). The cases 18BR000149 and 18BR000150 are also linked with the case. No further information is available.
04-Jan-2018	UAE; 18BR000145; -; Brazil	**Species:** Canine **Breed:** Pug **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female Pug of 4 years old and 10 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000142 to 18BR000144, 18BR000146 and 18BR000147). No further information is expected. UPDATE 09 Feb 2018 – The owner contacted BI again to add more animals to the past occurrences (see cases 18BR001377 and 18BR001378). The cases 18BR000149 and 18BR000150 are also linked with the case. No further information is available.
04-Jan-2018	UAE; 18BR000146; -; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chocolate, a female Basset of 9 years old and 12 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There are 5 more dogs in this household with the same issue (see cases 18BR000142 to 18BR000145 and 18BR000147). No further information is expected. UPDATE 09 Feb 2018 – The owner contacted BI again to add more animals to the past occurrences (see cases 18BR001377 and 18BR001378). The cases 18BR000149 and 18BR000150 are also linked with the case. No further information is available.
04-Jan-2018	UAE; 18BR000147; -; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	N/A	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Estrela, a female large crossbred dog of 6 years old and 25 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. Flea infestation 3 days prior to FL.

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		Unknown **Age:** 6.00 Year(s) **Weight:** 25 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					Lack of efficacy suspected because the pet remains with fleas . The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been appllied . There are 5 more dogs in this household with the same issue (see cases 18BR000142 to 18BR000146). No further information is expected. UPDATE 09 Feb 2018 – The owner contacted BI again to add more animals to the past occurrences (see cases 18BR001377 and 18BR001378). The cases 18BR000149 and 18BR000150 are also linked with the case. No further information is available.
04-Jan-2018	UAE; 18BR000149; PR; Brazil	**Species:** Canine **Breed:** French Bulldog **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 13 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim : as reported by the owner, Half, 02 year old, 13 kilograms, male, canine, French Bulldog, received 01 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on an unknown date (01 Jan, 2018 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL, because she applied FL and still sees fleas in her pet. The surrounding environment has been treated with an unknown product. There is also another dog in this household with similar problem (see cases 18BR000150). No Further information is expected. UPDATE 09 Feb 2018 – The owner´s daughter contacted BI again to add more animals to the past occurrences (see cases 18BR001377 and 18BR001378). The cases 18BR000142 to 18BR000147 are also linked with the case. No further information is available.
04-Jan-2018	UAE; 18BR000150; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim : as reported by the owner, Negona, 10 year old, 15 kilograms, female, canine, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on an unknown date (01 Jan, 2018 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL, because she applied FL and still sees fleas in her pet. The surrounding environment has been treated with an unknown product. There is also another dog in this household with similar problem (see cases 18BR000149). No Further information is expected. UPDATE 09 Feb 2018 – The owner´s daughter contacted BI again to add more animals to the past occurrences (see cases 18BR001377 and 18BR001378). The cases 18BR000142 to 18BR000147 are also linked with the case. No further information is available.
04-Jan-2018	UAE; 18BR000151; RJ; Brazil	**Species:** Canine **Breed:** Spaniel (English Cocker) **Sex:** M **Sex qualifier:** Unknown **Age:** 60.00 Day(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** PO-Oral **Was the product used ok?:** Yes	25-Dec-2017*	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment received FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for tick treatment. Lack of efficacy suspected because the pet remains with ticks. FL has been applied on dates not specified (1 Dec 2017 - chosen at random). This is the extent of the information available. UPDATE 05 JAN, 2018 – The owner was contacted and provided more information. Tody, canine, male, 60 days old, 03 kilograms, English Cocker Spaniel, received 05 applications of FRONTLINE SPRAY 100 mL (FL) (lot, exp date unkown, topically, in the whole body), for tick treatment on alternate days, date not specified (25 Dec, 2017 – estimated date). The animal dont go out for walks on the street. The environment has not been treated. The owner also have another dog who was treated with an unknown chewable tablet and according to her, she does not see tick in this animal . There is

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											no further information expected.
02-Jan-2018	UAE; 18BR000152; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	04-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female medium crossbred dog of 7 years old and 15 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2017, for flea treatment. Flea infestation 10 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL has been applied every 3 months. There are 4 more dogs in this household with the same issue (see cases 18BR000153 to 18BR000156). No further information is expected.
02-Jan-2018	UAE; 18BR000153; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	04-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Timão, a male medium crossbred dog of 8 years old and 15 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2018, for flea treatment. Flea infestation 10 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL has been applied every 3 months. There are 4 more dogs in this household with the same issue (see cases 18BR000152, 18BR000154 to 18BR000156). No further information is expected.
02-Jan-2018	UAE; 18BR000154; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	04-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Willy, a male medium crossbred dog of 8 years old and 15 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2018, for flea treatment. Flea infestation 10 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL has been applied every 3 months. There are 4 more dogs in this household with the same issue (see cases 18BR000152, 18BR000153, 18BR000155 and 18BR000156). No further information is expected.
02-Jan-2018	UAE; 18BR000155; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	04-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Popó, a male medium crossbred dog of 12 years old and 3 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2018, for flea treatment. Flea infestation 10 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL has been applied every 3 months. There are 4 more dogs in this household with the same issue (see cases 18BR000152 to 18BR000154 and 18BR000156). No further information is expected.
02-Jan-2018	UAE; 18BR000156; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	01-Jan-2017*	04-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Francisco, a male medium crossbred dog of 3 years old and 35 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2018, for flea treatment. Flea infestation 10 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL has been applied every 3 months. There are 4 more dogs in this household with the same issue (see cases

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						product used ok?: Yes					18BR000152 to 18BR000155). No further information is expected.
04-Jan-2018	UAE; 18BR000158; SC; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim : as reported by the owner, Estrela, 04 year old, 08 kilograms, female, canine, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 03 Jan, 2018, for flea treatment. The owner complained about the lack of efficacy of FL, because she continues to see fleas in her pet. According to the owner, animal already had fleas 01 week prior (27 Dec, 2017 – estimated date) to treatment. The surrounding environment has been treated with Civatox (according to the reporter). There is also another dog in this household with similar problem (see cases 18BR000159). No Further information is expected.
04-Jan-2018	UAE; 18BR000159; SC; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 7.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim : as reported by the owner, Branca, 05 year old, 7.5 kilograms, female, canine, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 03 Jan, 2018, for flea treatment. The owner complained about the lack of efficacy of FL, because she continues to see fleas in her pet. According to the owner, animal already had fleas 01 week prior (27 Dec, 2017 – estimated date) to treatment. The surrounding environment has been treated with Civatox (according to the reporter). There is also another dog in this household with similar problem (see cases 18BR000158). No Further information is expected.
04-Jan-2018	UAE; 18BR000168; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Jan-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nero, a male small crossbred dog of 4 years old and 8 kg, was treated with FRONTLINE SPRAY (FL) (002/17, unknown exp date, topical, whole body), applied by the reporter on 23 Dec 2017, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if NG has previously been given. No further information is expected.
05-Jan-2018	UAE; 18BR000172; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	04-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Menina, a 2-year-old, 12 kg, female crossbred dog, was treated with an unknown dose of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, location unknown, by the reporter on 2 Jan 2018 and 4 Jan 2018 (1 vial used for 2 applications), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation few days prior to FL, FRONTLINE applied in the past with no issues (dose frequency unknown and first application on date not specified - 1 Jan 2017 chosen at random), environment treated with Butox (MSD Lab.). There is no further information available.

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04-Jan-2018	UAE; 18BR000175; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 40 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	22-Dec-2016*	04-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, her dogs were treated with FRONTLINE PLUS on 22 Dec 2017. At the day of the report (4 Jan 2018), the owner discovered 2 fleas on one of them. The owner was contacted and she reported that Zoio, a 4-year-old, 40 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, FL has been applied every 3 months since date not specified (22 Dec 2016 chosen at random), environment treated with Butox (MSD Lab.). 2 other dogs of the same household that are also on FL were reported on 18BR000176 and 18BR000177. No further information is available.
04-Jan-2018	UAE; 18BR000176; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	22-Dec-2016*	04-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, her dogs were treated with FRONTLINE PLUS on 22 Dec 2017. At the day of the report (4 Jan 2018), the owner discovered 2 fleas on one of them. The owner was contacted and she reported that Luck, a 2-year-old, 25 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, FL has been applied every 3 months since date not specified (22 Dec 2016 chosen at random), environment treated with Butox (MSD Lab.). 2 other dogs of the same household that are also on FL were reported on 18BR000175 and 18BR000177. No further information is available.
04-Jan-2018	UAE; 18BR000177; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	22-Dec-2016*	04-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, her dogs were treated with FRONTLINE PLUS on 22 Dec 2017. At the day of the report (4 Jan 2018), the owner discovered 2 fleas on one of them. The owner was contacted and she reported that Jully, a 9-year-old, 20 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, FL has been applied every 3 months since date not specified (22 Dec 2016 chosen at random), environment treated with Butox (MSD Lab.). 2 other dogs of the same household that are also on FL were reported on 18BR000175 and 18BR000176. No further information is available.
05-Jan-2018	UAE; 18BR000178; MG; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	01-Jan-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a 6-year-old, 5 kg, female Shih Tzu, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 15 Dec 2017, for tick control. Lack of efficacy suspected because the dog is currently infested by ticks. There is no information regarding previous exposure to FRONTLINE, environment treated with Butox (MSD Lab.). One other dog of the same household that is also on FL was reported on 18BR000179. No further information is available.
05-Jan-2018	UAE; 18BR000179;	**Species:** Canine **Breed:** Shih Tzu	1	1	0	**Product used:** FIPRONIL SPOT	N/A	01-Jan-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Moana, a 6-month-old, 2.5 kg, female Shih Tzu, was treated with

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	MG; Brazil	**Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 2.5 kg				ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 15 Dec 2017, for tick control. Lack of efficacy suspected because the dog is currently infested by ticks. There is no information regarding previous exposure to FRONTLINE, environment treated with Butox (MSD Lab.). One other dog of the same household that is also on FL was reported on 18BR000178. No further information is available.
05-Jan-2018	UAE; 18BR000183; PR; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 2.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	10-Jul-2017*	23-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Valesca, 10 years old, 2.2 kilogram, female, canine, Mixed Breed, received 1/2 (half) pipette of FRONTLINE PLUS DOG XL (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 22 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL, because she didn´t had any result. According to the owner, she already used FL in the past without any issues (10 Jul, 2017 – date chosen at random). The animals already had parasites prior to treatment. (date not specified). The surrounding environment has been treated with BOLFO®. There is also another dog in this household with similar problem (see case 18BR000184). No Further information is expected.
05-Jan-2018	UAE; 18BR000184; PR; Brazil	**Species:** Canine **Breed:** Poodle (Standard) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	10-Jul-2017*	23-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Nininho, 10 years old, 03 kilogram, male, canine, Poodle, received 1/2 (half) pipette of FRONTLINE PLUS DOG XL (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 22 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL, because she didn´t had any result. According to the owner, she already used FL in the past without any issues (10 Jul, 2017 – date chosen at random). The animals already had parasites prior to treatment. (date not specified). The surrounding environment has been treated with BOLFO®. There is also another dog in this household with similar problem (see case 18BR000183). No Further information is expected.
05-Jan-2018	UAE; 18BR000186; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a female medium crossbred dog of 3 years old and 12 kg, was treated with FRONTLINE SPRAY (FL) (016/16 and unknown exp date, topical, whole body), applied by the reporter on 29 Dec 2017, for flea treatment. Flea infestation 1 day prior to FL. Lack of efficacy suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin and amitraz. It is unknown if FL has previously been applied. No further information is expected.

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05-Jan-2018	UAE; 18BR000187; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jul-2017*	05-Jan-2018*	15 Day(s)	D-D	Suspected lack of efficacy claim: as reported by the owner, Julie, 04 years old, 06 kilogram, female, canine, Lhasa Apso, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter 15 days ago (21 Dec, 2017 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL, because her animals remain with fleas. According to the owner, her animal already had fleas 03 months prior (21 Sep, 2017 – estimated date) to treatment. She already used FL in the past without issues (10 Jul, 2017 – date chosen at random). The surrounding environment has been treated with K-OTHRINE®. There are also 02 cats in this household with similar problem (see cases 18BR000188 and 18BR000189). No Further information is expected.
05-Jan-2018	UAE; 18BR000188; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Month(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jul-2017*	05-Jan-2018*	15 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Paçoca, 10 months old, 4.5 kilogram, male, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot 005/16 and expiry date unknown, topically, between the shoulder blades) applied by the reporter 15 days ago (21 Dec, 2017 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL, because her animals remain with fleas. According to the owner, her animal already had fleas 03 months prior (21 Sep, 2017 – estimated date) to treatment. She already used FL in the past without issues (10 Jul, 2017 – date chosen at random). The surrounding environment has been treated with K-OTHRINE®. There are also 01 dog and 01 cat in this household with similar problem (see cases 18BR000187 and 18BR000189). No Further information is expected.
05-Jan-2018	UAE; 18BR000189; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 20.00 Month(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jul-2017*	05-Jan-2018*	15 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Milly, 20 months old, 5.5 kilogram, female, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot 005/16 and expiry date unknown, topically, between the shoulder blades) applied by the reporter 15 days ago (21 Dec, 2017 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL, because her animals remain with fleas. According to the owner, her animal already had fleas 03 months prior (21 Sep, 2017 – estimated date) to treatment. She already used FL in the past without issues (10 Jul, 2017 – date chosen at random). The surrounding environment has been treated with K-OTHRINE®. There are also 01 dog and 01 cat in this household with similar problem (see cases 18BR000187 and 18BR000188). No Further information is expected.
05-Jan-2018	UAE; 18BR000192; SP; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nick, a 14-year-old, 9 kg, male Poodle, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 15 days ago (date presumed 21 Dec 2017), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation more than one month prior to FL, environment not treated. There is no information regarding previous exposure to FRONTLINE. There is no further information availalble.

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05-Jan-2018	UAE; 18BR000210; PR; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Jan-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Boris, a male Yorkshire of 1 year old and 2 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2017, for tick treatment. Tick infestation 5 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
08-Jan-2018	UAE; 18BR000213; RJ; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	25-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lili, a 7-year-old, 1.5 kg, female Persian, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 15 days ago (date presumed 24 Dec 2017), for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation one week prior to FL, environment treated. The cat used to be treated with FRONTLINE SPOT-ON CAT in the past (dose frequency unknown and first application on date not specified - 1 Jan 2017 chosen at random). One dog of the same household that is also on FRONTLINE was reported on 18BR000214. No further information is available.
08-Jan-2018	UAE; 18BR000214; RJ; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	25-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Toy, a 2-year-old, 4 kg, male Yorkshire Terrier, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 15 days ago (date presumed 24 Dec 2017), for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation one week prior to FL, environment treated. The dog used to be treated with FRONTLINE SPOT-ON DOGS in the past (dose frequency unknown and first application on date not specified - 1 Jan 2017 chosen at random). One cat of the same household that is also on FRONTLINE was reported on 18BR000213. No further information is available.
08-Jan-2018	UAE; 18BR000215; DF; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tuty, a 4-year-old, 15 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, one week ago (date presumed 1 Jan 2018), for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation one week prior to FL, environment treated. There is no information regarding use of FRONTLINE in the past. 2 pets of the same household that are also on FRONTLINE were reported on 18BR000216 and 18BR000217. No further information is available.
08-Jan-2018	UAE; 18BR000216; DF; Brazil	**Species:** Canine **Breed:** Medium	1	1	0	**Product used:** FIPRONIL 10%/S	N/A	02-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chico, a 2.5-year-old, 18 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown),

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		crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 18 kg				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					topic, base of skull and btw the shoulder blades, by the reporter, one week ago (date presumed 1 Jan 2018), for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation one week prior to FL, environment treated. There is no information regarding use of FRONTLINE in the past. 2 pets of the same household that are also on FRONTLINE were reported on 18BR000215 and 18BR000217. No further information is available.
08-Jan-2018	UAE; 18BR000217; DF; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Miá, a 4-year-old, 5 kg, female cat (breed unknown), was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, one week ago (date presumed 1 Jan 2018), for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation one week prior to FL, environment treated. There is no information regarding use of FRONTLINE in the past. 2 pets of the same household that are also on FRONTLINE were reported on 18BR000215 and 18BR000216. No further information is available.
08-Jan-2018	UAE; 18BR000221; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim : as reported by the owner, Thor, 04 years old, 35 kilograms, male, canine, Labrador, received 01 pipette of FRONTLINE SPOT-ON DOGS L (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 06 Jan, 2018, for flea/tick control. The owner complained about the lack of efficacy of FL, because she apply the product monthly and after the last application, on the next day (07 Jan, 2017), animal got fleas. The surrounding environment has been treated with HERBALVET® (disinfectant). No Further information is expected.
08-Jan-2018	UAE; 18BR000222; ES; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Nov-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lampião, a 6-year-old, 12 kg, male crossbred dog, was treated with unknown dose of FRONTLINE SPRAY (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 40 days ago (date presumed 29 Nov 2017), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 4 months prior to FL, environment treated with Colosso (Ourofino Lab.) and Barrage (Zoetis Lab.). There is no information regarding use of FRONTLINE in the past. One other dog of the same household that is also on FL was reported on 18BR000223. There is no further information expected.
08-Jan-2018	UAE; 18BR000223; ES; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products	N/A	29-Nov-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Rati, a 3-year-old, 20 kg, male Chow Chow, was treated with unknown dose of FRONTLINE SPRAY (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 40 days ago (date presumed 29 Nov 2017), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas . Flea

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		Weight: 20 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					infestation 4 months prior to FL, environment treated with Colosso (Ourofino Lab.) and Barrage (Zoetis Lab.). There is no information regarding use of FRONTLINE in the past. One other dog of the same household that is also on FL was reported on 18BR000222. There is no further information expected.
08-Jan-2018	UAE; 18BR000224; MG; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cthuca, a male Basset of 2 years old and 10 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 28 Dec 2017, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
08-Jan-2018	UAE; 18BR000227; RJ; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 40 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	08-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bandide Dovalle, a male large crossbred dog of 5 years old and 40 kg, was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, parts of the body - incorrect application), applied by the reporter on 25 Dec 2017. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000228, 18BR000229, 18BR000230 and 18BR000231. No further information is expected.
08-Jan-2018	UAE; 18BR000228; RJ; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 13 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	08-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Violeta, a female medium crossbred dog of 10 years old and 13 kg, was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, parts of the body - incorrect application), applied by the reporter on 25 Dec 2017. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000227, 18BR000229, 18BR000230 and 18BR000231. No further information is expected.
08-Jan-2018	UAE; 18BR000229; RJ; Brazil	**Species:** Feline **Breed:** Feline (unknown)	3	3	0	**Product used:** FIPRONIL SPRAY	N/A	08-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 3 female cats of 5 to 15 years old and approximately 5 kg, were treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical,

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 5 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					parts of the body - incorrect application), applied by the reporter on 25 Dec 2017. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000227, 18BR000228, 18BR000230 and 18BR000231. No further information is expected.
08-Jan-2018	UAE; 18BR000230; RJ; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 6 kg	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	08-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 male cats of aprroximately 13 years old and approximately 6 kg, were treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, parts of the body - incorrect application), applied by the reporter on 25 Dec 2017. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000227, 18BR000228, 18BR000229 and 18BR000231. No further information is expected.
08-Jan-2018	UAE; 18BR000231; RJ; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** X **Sex qualifier:** Unknown **Age:** 1.00 Week(s) **Weight:** 500 gms	8	8	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	08-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 8 mixed kittens of approximately 1 week old and approximately 500 g, were treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, parts of the body - incorrect application), applied by the reporter on 25 Dec 2017. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000227, 18BR000228, 18BR000229 and 18BR000230. No further information is expected.
08-Jan-2018	UAE; 18BR000232; -; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	24-Dec-2016*	08-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bianca, a 2-year-old, 4 kg, female Lhasa Apso, was treated with one vial of FRONTLINE PLUS DOG S (FL) (001/17, Nov 2018), topic, base of skull and btw the shoulder blades, by the reporter, 15 days ago (date presumed 24 Dec 2017), for flea control. Lack of efficacy suspected because the owner discovered fleas on her dog today. Environment not treated. FRONTLINE has been applied every 3 months (first application on date not specified – 24 Dec 2016 chosen at random). No further information is available.

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08-Jan-2018	UAE; 18BR000236; SP; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Theo, a male Dachshund of 1 year old and 10 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 29 Dec 2017, for flea treatment. Flea infestation 5 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (See case 18BR000237). No further information is expected.
08-Jan-2018	UAE; 18BR000237; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 8.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a female small crossbred dog of 13 years old and 8.5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 29 Dec 2017, for flea treatment. Flea infestation 5 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (See case 18BR000236). No further information is expected.
08-Jan-2018	UAE; 18BR000238; MG; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 09 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	12 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Mel, 11 years old, 09 kilogram, female, canine, Yorkshire, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 27 Dec, 2017, for tick treatment. The owner complained about the lack of efficacy of FL, because his animal remains with ticks. According to the owner, his animal already had ticks 10 days prior (17 Dec, 2017 – estimated date) to treatment. The surrounding environment has not been treated. No Further information is expected.
06-Jan-2018	UAE; 18BR000239; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Jun-2017*	01-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one dog of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random). Lack of efficacy suspected, however the owner did not mention what happened. FRONTLINE was used in the past with no issues (dose frequency unknown and first application on date not specified - 1 Jan 2017 chosen at random). This is the extent of the information available. UPDATE 10 JAN, 2018 – As reported by the wife of the pet owner, Jade, 07 years old, 20 kilogram, canine, female, Mixed Breed. Received 01 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot and expiry date unknown, topically, between the shoulder blades), for flea treatment on 28 Dec, 2017.The reporter complained about the lack of efficacy of FL because she still sees fleas in her pet. According to her FL is used every 06 months. The environment has been treated with BUTOX® and BARRAGE®. No further information is available.
05-Jan-2018	UAE; 18BR000245; SE; Brazil	**Species:** Canine **Breed:** Canine (unknown)	2	2	0	**Product used:** FIPRONIL SPOT ON DOG	N/A	05-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of dogs received FRONTLINE (unsubstantiated) (FL) (lot, exp date, route and

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		Sex: U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				**Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). Lack of efficacy is suspected because the dogs remains with ticks. This is the extent of the information available.
06-Jan-2018	UAE; 18BR000251; RJ; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	4	4	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	19-Dec-2017*	20-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, 04 unknown cats had received 01 pipette of FRONTLINE PLUS® (FL) (lot, expiry date, route and site of administration unknown) for flea treatment, applied on an unknown date near last christmas (25 Dec, 2017 – estimated date). According to the owner the fleas didn´t disappear and their numbers increased. The environment has been treated previously to FL administration with an unknown product, because one of the residents have allergy to fleas bite. The owner said that she used to apply another product for fleatreatment and never had any issue before. The owner also had a dog in the same household with similar problem (see case 18BR000252). This is all the information available. UPDATE 9 JAN 2018 - FRONTLINE PLUS CATS (lot and exp unknown) was applied topic, base of skull and btw the shoulder blades, 1 vial per cat, by the reporter, for the first time, on 18 or 19 Dec 2017. Flea infestation 2 weeks prior to FL, environment treated with K-Othrine (Bayer Lab.). Outdoor access denied, however the dog of the same household is taken for walks. There is no further information expected.
08-Jan-2018	UAE; 18BR000253; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Dec-2017	08-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, George, a male mixed breed cat of 1 year old and 2.5 kg, received, for the second time, one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter last week (1 Jan 2018 - estimated date), for flea treatment. Flea infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product. FL was applied for the first time 20 days ago (19 Dec 2017 - estimated date). No further information is expected.
08-Jan-2018	UAE; 18BR000256; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chloe, a female Lhasa Apso of 5 years old and 10 kg, was treated with FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2017. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another animal in this household with the same issue (see case 18BR000257). No further information is expected.
08-Jan-2018	UAE; 18BR000257; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	08-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chuck, a male mixed breed cat of 9 months old and 2.6 kg, was treated with FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter

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		Sex: M **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 2.6 kg				12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					on 20 Dec 2017. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another animal in this household with the same issue (see case 18BR000256). No further information is expected.
08-Jan-2018	UAE; 18BR000259; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a 3-year-old, 6 kg, female Shih Tzu, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 3 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 3 days prior to FL, environment treated. There is no information regarding use of FRONTLINE in the past. 2 other pets of the same household that are also on FRONTLINE were reported on 18BR000260 and 18BR000261. No further information is available.
08-Jan-2018	UAE; 18BR000260; SP; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 7.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Shakira, a 5-year-old, 7.8 kg, female Basset Hound, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 3 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 3 days prior to FL, environment treated. There is no information regarding use of FRONTLINE in the past. 2 other pets of the same household that are also on FRONTLINE were reported on 18BR000259 and 18BR000261. No further information is available.
08-Jan-2018	UAE; 18BR000261; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Zezão, a 4-year-old, 3.5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 3 Dec 2017, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 3 days prior to FL, environment treated. There is no information regarding use of FRONTLINE in the past. 2 other pets of the same household that are also on FRONTLINE were reported on 18BR000259 and 18BR000260. No further information is available.
09-Jan-2018	UAE; 18BR000262; RS; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical /	N/A	07-Jan-2018	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Ovelha, 05 years old, 25 kilogram, male, canine, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS L (FL) (lot 019/16 and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 06 Jan, 2017, for flea treatment. The owner complained about the lack of efficacy of FL, because his animal remains with fleas. The surrounding environment has

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		Age: 5.00 Year(s) **Weight:** 25 kg				Cutaneous **Was the product used ok?:** Yes					been treated, according to the owner with an specific product (product unknown). No Further information is expected.
09-Jan-2018	UAE; 18BR000266; SP; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Dec-2017	14-Feb-2018*	17 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Jhone, 09 years old, 35 kilogram, canine, male, German Shepherd, received 01 pipette of FRONTLINE PLUS L (FL) (lot 0016/16, expiry date SEP 2018, topically, between the shoulder blades) for tick treatment, applied on 28 Dec, 2017. According to the owner animal already had ticks 01 week prior (21 Dec, 2017 – estimated date) to treatment. The environment has been treated but the owner don't know the product´s name. There is also another dog in the same household with similar problem (see case 18BR000267). This is all the information available. UPDATE 14 FEB 2018 - The owner applied another vial of FL on 28 Jan 2018 and she continues to see ticks on her pet. No further information is expected.
09-Jan-2018	UAE; 18BR000267; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Dec-2017	14-Feb-2018*	17 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Amora, 02 tears old, 06 kilogram, canine, female, Lhasa Apso, received 01 pipette of FRONTLINE PLUS S (FL) (lot 001/17, expiry date NOV 2018, topically, between the shoulder blades) for tick treatment, applied on 28 Dec, 2017. According to the owner animal already had fleas 01 week prior (21 Dec, 2017 – estimated date) to treatment. The environment has been treated but the owner don't know the product´s name. There is also another dog in the same household with similar problem (see case 18BR000266). This is all the information available. UPDATE 14 FEB 2018 - The owner applied another vial of FL on 28 Jan 2018 and she continues to see ticks on her pet. No further information is expected.
08-Jan-2018	UAE; 18BR000269; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Oct-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Toi, a 3-year-old, 5 kg, male Yorkshire Terrier, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 18 Oct 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one month prior to FL, environment treated with several products, including FRONTLINE SPRAY. There is no information regarding use of FRONTLINE in the past. 2 other dogs of the same household that are also on FL were reported on 18BR00270 and 18BR00271. As FL did not work, FRONTLINE PLUS DOG S and FRONTLINE SPRAY were also applied to Toi (see 18BR000272 and 18BR000275). There is no further information available.
08-Jan-2018	UAE; 18BR000270; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Oct-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Juli, a 10-year-old, 7 kg, female Lhasa Apso, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 18 Oct 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one month prior to FL, environment treated with several products, including FRONTLINE SPRAY. There is no information regarding use of FRONTLINE in the past. 2 other dogs of the same household that are also on FL were reported on 18BR00269 and 18BR00271. As FL did not work, FRONTLINE PLUS DOG S and FRONTLINE SPRAY were also applied to Juli (see 18BR000273

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											and 18BR000276). There is no further information available.
08-Jan-2018	UAE; 18BR000271; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Oct-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pingo, an 1-year-old, 4.5 kg, female Lhasa Apso, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 18 Oct 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one month prior to FL, environment treated with several products, including FRONTLINE SPRAY. There is no information regarding use of FRONTLINE in the past. 2 other dogs of the same household that are also on FL were reported on 18BR00269 and 18BR00270. As FL did not work, FRONTLINE PLUS DOG S and FRONTLINE SPRAY were also applied to Pingo (see 18BR000274 and 18BR000277). There is no further information available.
08-Jan-2018	UAE; 18BR000272; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Oct-2017	16-Nov-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Toi, a 3-year-old, 5 kg, male Yorkshire Terrier, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 18 Oct 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one month prior to FL, environment treated with several products, including FRONTLINE SPRAY. There is no information regarding use of FRONTLINE in the past. 2 other dogs of the same household that are also on FL were reported on 18BR00270 and 18BR00271. As FL did not work, FRONTLINE PLUS DOG S and FRONTLINE SPRAY were also applied to Toi (see 18BR000272 and 18BR000275). There is no further information available.
08-Jan-2018	UAE; 18BR000273; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Oct-2017	16-Nov-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Juli, a 10-year-old, 7 kg, female Lhasa Apso, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 15 Nov 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated with several products, including FRONTLINE SPRAY. 2 other dogs of the same household that are also on FL were reported on 18BR00272 and 18BR00274. FL was applied because FRONTLINE SPOT-ON DOGS S did not work (see 18BR000270). As FL did not work also, FRONTLINE SPRAY was applied to Juli (see 18BR000276). There is no further information available.
08-Jan-2018	UAE; 18BR000274; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Oct-2017	16-Nov-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pingo, an 1-year-old, 4.5 kg, female Lhasa Apso, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 15 Nov 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated with several products, including FRONTLINE SPRAY. 2 other dogs of the same household that are also on FL were reported on 18BR00272 and 18BR00273. FL was applied because FRONTLINE SPOT-ON DOGS S did not work (see 18BR000271). As FL did not work also, FRONTLINE SPRAY was applied to Pingo (see 18BR000277). There is no further information available.

N/A signifies the information for this field is either not available or not applicable

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
08-Jan-2018	UAE; 18BR000275; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Oct-2017	05-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Toi, a 3-year-old, 5 kg, male Yorkshire Terrier, was treated with unknown dose of FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, by the reporter, near 5 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated with several products, including FRONTLINE SPRAY. 2 other dogs of the same household that are also on FL were reported on 18BR00276 and 18BR00277. FL was applied because FRONTLINE SPOT-ON DOGS S and FRONTLINE PLUS DOG S did not work (see 18BR000269 and 18BR000272). There is no further information available.
08-Jan-2018	UAE; 18BR000276; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Oct-2017	05-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Juli, a 10-year-old, 7 kg, female Lhasa Apso, was treated with unknown dose of FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, by the reporter, near 5 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated with several products, including FRONTLINE SPRAY. 2 other dogs of the same household that are also on FL were reported on 18BR00275 and 18BR00277. FL was applied because FRONTLINE SPOT-ON DOGS S and FRONTLINE PLUS DOG S did not work (see 18BR000270 and 18BR000273). There is no further information available.
08-Jan-2018	UAE; 18BR000277; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Oct-2017	05-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pingo, an 1-year-old, 4.5 kg, female Lhasa Apso, was treated with unknown dose of FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, by the reporter, near 5 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated with several products, including FRONTLINE SPRAY. 2 other dogs of the same household that are also on FL were reported on 18BR00275 and 18BR00276. FL was applied because FRONTLINE SPOT-ON DOGS S and FRONTLINE PLUS DOG S did not work (see 18BR000271 and 18BR000274). There is no further information available.
09-Jan-2018	UAE; 18BR000285; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 6.7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Dec-2017	09-Jan-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tobias, a male small crossbred dog of 5 months old and 6.7 kg, received, for the first time, one vial of FRONTLINE PLUS DOG S (FL) (001/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 23 Dec 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. No further information is expected.
09-Jan-2018	UAE; 18BR000287; PR; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** M **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	19-Sep-2017*	26-Dec-2017*	1 Week(s)	D-D	Suspected Adverse Event : as reported by the owner, Spike, 12 years old, 10 kilogram, canine, male, Basset Hound, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea control, applied by the owner on 19 Dec, 2017. According to the owner on 22 and 23 Dec, 2017 the animal start to scratch himself and

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		Age: 12.00 Year(s) **Weight:** 10 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					presented skin lesion. The animal was taken to the veterinary and is under treatment with LORATAMED® (protocol unknown). The animal was in good health prior to application and the owner already used FL before with no issues (19 Nov, 2017 – date chosen at random). There are also another dog and a cat in this household with similar problem (see cases 18BR000288 and 18BR000289). The owner also complained about the lack of efficacy of FL because her animals continues with fleas (see cases 18BR000290 to 18BR000292). The animal didn´t recover. This is all the information available. UPDATE 10 JAN, 2018 – The owner informed that 01 week after application (26 Dec, 2017 – estimated date), Spike started to scratch himself, that was the initial day for the symptom. Spike still scratching but in a lesser scale. According to the owner FL is used every 03 months and the owner never had any issue before. No further information is available.
09-Jan-2018	UAE; 18BR000288; PR; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 1.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Sep-2017*	26-Dec-2017*	1 Week(s)	D-D	Suspected Adverse Event : as reported by the owner, Toto, 05 years old, 1.8 kilogram, canine, male, Pinscher, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea control, applied by the owner on 19 Dec, 2017. According to the owner on 22 and 23 Dec, 2017 the animal start to scratch himself and presented skin lesion. The animal was taken to the veterinary and is under treatment with LORATAMED® (protocol unknown). The animal was in good health prior to application and the owner already used FL before with no issues (19 Nov, 2017 – date chosen at random). There are also another dog and a cat in this household with similar problem (see cases 18BR000287 and 18BR000289). The owner also complained about the lack of efficacy of FL because her animals continues with fleas (see cases 18BR000290 to 18BR000292). The animal didn´t recover. This is all the information available. UPDATE 10 JAN , 2018 - Toto presented, after 01 week (26 Jan, 2017 - estimated date) scratching and reddening of the skin but in a lesse scale if compared to the other 02 dogs. According to the owner FL is used every 03 months and the owner never had any issue before. No further information is available.
09-Jan-2018	UAE; 18BR000289; PR; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Sep-2017*	26-Dec-2017*	1 Week(s)	D-D	Suspected Adverse Event : as reported by the owner, Cindy, 12 years old, 03 kilogram, feline, female, Persian, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea control, applied by the owner on 19 Dec, 2017. According to the owner on 22 and 23 Dec, 2017 the animal start to scratch himself and presented skin lesion. The animal was taken to the veterinary and is under treatment with LORATAMED® (protocol unknown). The animal was in good health prior to application and the owner already used FL before with no issues (19 Nov, 2017 – date chosen at random). There are also another 02 dogs in this household with similar problem (see cases 18BR000287 and 18BR000288). The owner also complained about the lack of efficacy of FL because her animals continues with fleas (see cases 18BR000290 to 18BR000292). The animal didn´t recover. This is all the information available.UPDATE 10 JAN , 2018 - Cindy presented after 01 week (26 Jan, 2017 - estimated date) lesion in the site of application. According to the owner FL is used every 03 months and the owner never had any issue before. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
09-Jan-2018	UAE; 18BR000290; PR; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** M **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Sep-2017*	22-Dec-2017*	3 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Spike, 12 tears old, 10 kilogram, canine, male, Basset Hound, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea control, applied on 19 Dec, 2017. The owner complained about the lack of efficacy of FL because her animal got fleas. The environment has been treated with a product called CALCONTOP. There are also another dog and a cat in the same household with similar problem (see cases 18BR000291 and 18BR000292). The owner also complained about an adverse event cases in her animals (see cases 18BR000287 to 18BR000289). No further information available UPDATE 10 JAN, 2018 – The owner informed that she uses FL every 03 months and treated the environment with TALFON® . No further information is available.
09-Jan-2018	UAE; 18BR000291; PR; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 1.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Sep-2017*	22-Dec-2017*	3 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Toto, 05 years old, 1.8 kilogram, canine, male, Pinscher, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea control, applied on 19 Dec, 2017. The owner complained about the lack of efficacy of FL because her animal got fleas. The environment has been treated with a product called CALCONTOP. There are also another dog and a cat in the same household with similar problem (see cases 18BR000290 and 18BR000292). The owner also complained about an adverse event cases in her animals (see cases 18BR000287 to 18BR000289). No further information available. UPDATE 10 JAN, 2018 – The owner informed that she uses FL every 03 months and treated the environment with TALFON® . No further information is available.
09-Jan-2018	UAE; 18BR000292; PR; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Sep-2017*	22-Dec-2017*	3 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Cindy, 12 tears old, 03 kilogram, feline, female, Persian, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea control, applied on 19 Dec, 2017. The owner complained about the lack of efficacy of FL because her animal got fleas. The environment has been treated with a product called CALCONTOP. There are also another 02 dogs in the same household with similar problem (see cases 18BR000290 and 18BR000291). The owner also complained about an adverse event cases in her animals (see cases 18BR000287 to 18BR000289). No further information available. UPDATE 10 JAN, 2018 – The owner informed that she uses FL every 03 months and treated the environment with TALFON® . No further information is available.
09-Jan-2018	UAE; 18BR000293; SP; Brazil	**Species:** Canine **Breed:** Blue Heeler **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Month(s) **Weight:** 13 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Betowen, a 14-month-old, 13 kg, male Blue Heeler, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 29 Dec 2017, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 15 days prior to FL, environment treated with K-Othrine. There is no information regarding use of FRONTLINE in the past. No further information is available.
09-Jan-2018	UAE; 18BR000294;	**Species:** Canine **Breed:** Shih Tzu	1	1	0	**Product used:** FIPRONIL SPOT	N/A	13-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Nino, 08 months old, 4.1 kilogram, canine, male, Shih tzu, received 01

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	SP; Brazil	**Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 4.1 kg				ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea control, applied on 12 Dec, 2017. The owner complained about the lack of efficacy of FL because her animal got fleas . According to the owner she didn´t notice any fleas previous to FL use . The environment has not been treated. No further information available
09-Jan-2018	UAE; 18BR000296; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Jan-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one dog of unknown signalment was treated with FRONTLINE SPOT-ON DOGS (size, dose, lot and exp unknown), by unknown, on Dec 2017 (20 Dec 2017 chosen at random), for flea and tick control. Lack of efficacy suspected because the dog was taken for a trip and came back home infested by fleas. This is the extent of the information available.
09-Jan-2018	UAE; 18BR000297; RJ; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 1.2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pimba, a 2-month-old, 1.2 kg, male Chow Chow, was treated with unknown dose of FRONTLINE SPRAY (FL) (007/16, exp unknown), topic, whole body, by the reporter, on 21 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. No further information is available.
09-Jan-2018	UAE; 18BR000298; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	09-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one cat of unknown signalment was treated with FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter last week (2 Jan 2018 - estimated date). The owner believes that FL is not working because she continues to see fleas and ticks. There is one dog in this household with the same issue (see case 18BR000299). This is the extent of the information available.
09-Jan-2018	UAE; 18BR000299; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	09-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment was treated with FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter last week (2 Jan 2018 - estimated date). The owner believes that FL is not working because she continues to see fleas and ticks. There is another dog in this household with the same issue (see case 18BR000298). This is the extent of the information available.

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09-Jan-2018	UAE; 18BR000302; SP; Brazil	**Species:** Canine **Breed:** Border Collie **Sex:** F **Sex qualifier:** Unknown **Age:** 18.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	09-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Piva, a female Border Collie of 18 years old and 35 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topica, btw the shoulder blades), applied by the reporter on 3 Jan 2018, for flea treatment. FL infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are 4 more animals in this household that were treated with FL and they have no issue. No further information is expected.
08-Jan-2018	UAE; 18BR000303; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 3.8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Dec-2016*	20-Dec-2016*	19 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, Nina, a female Pinscher of 13 years old and 3.8 kg, received, for the first time, one vial of FRONTLINE SPOT-ON DOG (unsubstantiated) (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 1 Dec 2016. The dog has history of hyperadrenocorticism. On date not specified, the dog presented with a 'lesion' in the skin. The pet was treated and recovered on unknown date. A similar case was reported on 18BR000304. No further information is available.
08-Jan-2018	UAE; 18BR000304; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 3.8 kg	1	1	1	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Dec-2017*	20-Dec-2017*	5 Day(s)	D-A	Suspected Adverse Event: As reported by the pet owner via social media, Nina, a female Pinscher of 13 years old and 3.8 kg, received, for the first time, one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 15 Dec 2017. Nina has history of hyperadrenocorticism and she also reacted after FRONTLINE SPOT-ON (see case 18BR000303). On date not specified, the dog presented with a 'lesion' near the neck. The pet was treated with an ointment and recovered on unknown date. On 2 Jan 2018, the dog was presenting wrinkled skin, purulent lesions and hair loss. Vomiting and appetite loss were mentioned by the vet. Nina was taken to the vet clinic and was treated with antibiotic (Convenia®), analgesic and other drugs. CBC test showed a 'renal problem' (high urea level). The pet was also treated with fluid therapy, but she died on 12 Jan 2018. No further information is available.
10-Jan-2018	UAE; 18BR000311; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	21-Dec-2016*	28-Dec-2017*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Moly, a 2-year-old, 15 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (019/17, Mar 2019), topic, base of skull and btw the shoulder blades, by the reporter, 20 days ago (date presumed 21 Dec 2017), for flea control. Lack of efficacy suspected because she discovered fleas on her dog 1 week post product application and Moly continued to have fleas since then. FL has been applied every 3 months (first application on date not specified – 21 Dec 2016 chosen at random), environment treated with K-Othrine (Bayer Lab.), outdoor access (frequency unknown). There is no further information available.
10-Jan-2018	UAE; 18BR000312; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various	1	1	0	**Product used:** FIPRONIL SPRAY	N/A	30-Nov-2016*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Charlie, a 7-year-old, 2 kg, male mixed breeds cat, was treated with unknown dose of FRONTLINE SPRAY (FL) (008/14, Apr

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		breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 2 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Expired)					2016), topic, whole body, by the reporter, on Nov 2016 (30 Nov 2016 chosen at random), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation one week prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. 2 other cats of the same household that were also on FL were reported on 18BR000313 and 18BR000314. There is no further information available.
10-Jan-2018	UAE; 18BR000313; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Expired)	N/A	30-Nov-2016*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tomas, a 7-year-old, 2 kg, male mixed breeds cat, was treated with unknown dose of FRONTLINE SPRAY (FL) (008/14, Apr 2016), topic, whole body, by the reporter, on Nov 2016 (30 Nov 2016 chosen at random), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation one week prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. 2 other cats of the same household that were also on FL were reported on 18BR000312 and 18BR000314. There is no further information available.
10-Jan-2018	UAE; 18BR000314; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Expired)	N/A	30-Nov-2016*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tico, a 6-year-old, 2 kg, male mixed breeds cat, was treated with unknown dose of FRONTLINE SPRAY (FL) (008/14, Apr 2016), topic, whole body, by the reporter, on Nov 2016 (30 Nov 2016 chosen at random), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation one week prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. 2 other cats of the same household that were also on FL were reported on 18BR000312 and 18BR000313. There is no further information available.
10-Jan-2018	UAE; 18BR000316; MG; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 45 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Gandi, a 5-year-old, 45 kg, male crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS XL (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 28 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog is currently infested by fleas again (since date not specified). Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR000317 and 18BR000318. There is no further information available.
10-Jan-2018	UAE; 18BR000317; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	10-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lili, a 2-year-old, 8 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 28 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog is currently infested by fleas again (since date not specified). Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 2 other dogs of the same household that are also on FRONTLINE were reported

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						ok?: Yes					on 18BR000316 and 18BR000318. There is no further information available.
10-Jan-2018	UAE; 18BR000318; MG; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Menininha, a 16-year-old, 10 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 28 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog is currently infested by fleas again (since date not specified). Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR000316 and 18BR000317. There is no further information available.
10-Jan-2018	UAE; 18BR000322; RJ; Brazil	**Species:** Canine **Breed:** Akita **Sex:** F **Sex qualifier:** Unknown **Age:** 3.50 Year(s) **Weight:** 32 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Suki, a female Akita of 3.5 years old and 32 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Jan 2018, for flea treatment. Flea infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied . There are 4 more animals in this household with the same issue (see cases 18BR000323, 18BR000324, 18BR000325 and 18BR000326). No further information is expected.
10-Jan-2018	UAE; 18BR000323; RJ; Brazil	**Species:** Canine **Breed:** Akita **Sex:** M **Sex qualifier:** Unknown **Age:** 3.50 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Aiko, a male Akita of 3.5 years old and 30 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Jan 2018, for flea treatment. Flea infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied . There are 4 more animals in this household with the same issue (see cases 18BR000322, 18BR000324, 18BR000325 and 18BR000326). No further information is expected.
10-Jan-2018	UAE; 18BR000324; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Akira, a female mixed breed cat of 2 years old and 3 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Jan 2018, for flea treatment. Flea infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied . There are 4 more animals in this household with the same issue (see cases 18BR000322, 18BR000323, 18BR000325 and 18BR000326). No further information is expected.

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10-Jan-2018	UAE; 18BR000325; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Oliver, a male mixed breed cat of 4 months old and 2 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Jan 2018, for flea treatment. Flea infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied. There are 4 more animals in this household with the same issue (see cases 18BR000322, 18BR000323, 18BR000324 and 18BR000326). No further information is expected.
10-Jan-2018	UAE; 18BR000326; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.80 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Princesa, a female mixed breed cat of 3.8 years old and 3.5 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Jan 2018, for flea treatment. Flea infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied. There are 4 more animals in this household with the same issue (see cases 18BR000322 to 18BR000325). No further information is expected.
08-Jan-2018	UAE; 18BR000330; PR; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	16-Dec-2017	10-Jan-2018*	25 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female cat of unknown signalment received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 16 Dec 2017, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product. There is another cat in this household with the same issue (See case 18BR000331). No further information is expected.
08-Jan-2018	UAE; 18BR000331; PR; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	16-Dec-2017	10-Jan-2018*	25 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one male cat of unknown signalment received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 16 Dec 2017, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product. There is another cat in this household with the same issue (See case 18BR000330). No further information is expected.
10-Jan-2018	UAE; 18BR000332; PR; Brazil	**Species:** Canine **Breed:** Poodle	1	1	0	**Product used:** FIPRONIL SPRAY	07-Jul-2017*	10-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lilica, a female Poodle of 8 years old and 2.5 kg, was treated with FRONTLINE SPRAY (FL) (011/16, Jun 2018, topical, whole body),

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		(Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 2.5 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					applied by the reporter on 7 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated. FL has been applied monthly since 6 months ago (7 Jul 2017 - estimated date). No further information is expected.
10-Jan-2018	UAE; 18BR000338; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 7.2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Jan-2018	06-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, a 9-month-old, 7.2 kg, female Shih Tzu, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (017/16 exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 5 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 3 days prior to FL, environment treated with K-Othrine. There is no information regarding use of FRONTLINE in the past. No further information is available. UPDATE 23 JAN 2018 - FL was applied for the first time on 5 Jan 2018. No further information is expected.
10-Jan-2018	UAE; 18BR000339; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jul-2017*	10-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Anabele, a female Yorkshire of 4 years old and 5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (017/16 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 6 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin weekly and FL was applied in the past with no issue (6 Jul 2017 - chosen at random). No further information is expected.
10-Jan-2018	UAE; 18BR000341; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ravi, a male mixed breed cat of 3 years old and 5 kg, was treated with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, whole body), applied by the reporter one month ago (10 Dec 2017 - estimated date), for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. There are 3 more dogs in this household with the same issue (See cases 18BR000342, 18BR000343 and 18BR000344). No further information is expected.
10-Jan-2018	UAE; 18BR000342; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Rage, a male mixed breed cat of 6 years old and 4 kg, was treated with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, whole body), applied by the reporter one month ago (10 Dec 2017 - estimated date), for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. There are 3 more dogs in this household with the same issue (See cases 18BR000341, 18BR000343 and 18BR000344). No further information is expected.
10-Jan-2018	UAE; 18BR000343;	**Species:** Feline **Breed:** Feline	1	1	0	**Product used:** FIPRONIL	N/A	10-Jan-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ailim, a male mixed breed cat of 3 years old and 3 kg, was treated

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	MG; Brazil	mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3 kg				SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, whole body), applied by the reporter one month ago (10 Dec 2017 - estimated date), for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. There are 3 more dogs in this household with the same issue (See cases 18BR000341, 18BR000342 and 18BR000344). No further information is expected.
10-Jan-2018	UAE; 18BR000344; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chenon, a male mixed breed cat of 10 years old and 3 kg, was treated with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, whole body), applied by the reporter one month ago (10 Dec 2017 - estimated date), for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. There are 3 more dogs in this household with the same issue (See cases 18BR000341, 18BR000342 and 18BR000343). No further information is expected.
09-Jan-2018	UAE; 18BR000348; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 21.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jan-2018	07-Jan-2018	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Yan, a male mixed breed cat of 21 months old and 1.5 kg, received, for the first time, one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 6 Jan 2018, for flea/tick control. The dog was in good health prior to FL and has no history of adverse reactions. One day after product application, the pet presented with application site hair loss. No vet care was provided and the symptom is still ongoing. No further information is available.
10-Jan-2018	UAE; 18BR000349; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	10-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a male mixed breed cat of 10 months old and 3 kg, was treated with FRONTLINE SPRAY (FL) (006/16 and unknown exp date, topical, lumbar area and btw the shoulder blades), applied by the reporter on 9 Jan 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
10-Jan-2018	UAE; 18BR000355; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.40 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	20-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jumbo, an 1.4-year-old, 4 kg, male mixed breeds cat, was treated with unknown dose of FRONTLINE SPRAY (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (date presumed 20 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 2 weeks prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. 3 other cats of the same household that are also on FL

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						product used ok?: No (Treatment / vaccination program not respected)					were reported on 18BR000356, 18BR000357 and 18BR000358. No further information is available.
10-Jan-2018	UAE; 18BR000356; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.40 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	20-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pequeno, an 1.4-year-old, 3 kg, male mixed breeds cat, was treated with unknown dose of FRONTLINE SPRAY (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (date presumed 20 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 2 weeks prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. 3 other cats of the same household that are also on FL were reported on 18BR000355, 18BR000357 and 18BR000358. No further information is available.
10-Jan-2018	UAE; 18BR000357; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 1.2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	20-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Joaquim, a 5-month-old, 1.2 kg, male mixed breeds cat, was treated with unknown dose of FRONTLINE SPRAY (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (date presumed 20 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 2 weeks prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. 3 other cats of the same household that are also on FL were reported on 18BR000355, 18BR000356 and 18BR000358. No further information is available.
10-Jan-2018	UAE; 18BR000358; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 1.2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	20-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Malala, a 5-month-old, 1.2 kg, female mixed breeds cat, was treated with unknown dose of FRONTLINE SPRAY (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (date presumed 20 Dec 2017), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 2 weeks prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. 3 other cats of the same household that are also on FL were reported on 18BR000355, 18BR000356 and 18BR000357. No further information is available.
11-Jan-2018	UAE; 18BR000362; SP; Brazil	**Species:** Canine **Breed:** Beagle **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products**	02-Dec-2017*	03-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dora, a 6-year-old, 20 kg, female Beagle, was treated with one vial of FRONTLINE SPOT-ON DOGS L (FL) (lot and exp unknown), topic, between the shoulder blades and near the tail, by the

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 6.00 Year(s) **Weight:** 20 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					reporter, 40 and 20 days ago (dates presumed 2 Dec 2017 and 22 Dec 2017), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 15 days prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. No further information is available.
11-Jan-2018	UAE; 18BR000370; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Mel, 05 years old, 5.5 kilogram, canine, female, Maltese, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 20 Dec, 2017. The owner complained about the lack of efficacy of FL because she continued to see fleas in her pet According to the owner, animal already fleas 20 days prior (30 Nov, 2017 – estimated date) to treatment. The environment has been treated with K-OTHRINE®. This is all the information available.
11-Jan-2018	UAE; 18BR000375; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 1.30 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Jan-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tico, a male Yorkshire of 1.3 years old and 4 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 21 Dec 2017, for flea treatment. Flea infestation 2 days after product application. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. No further information is expected.
11-Jan-2018	UAE; 18BR000379; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	03-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Marrie, a 5-year-old, 3 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 2 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation few days prior to FL, environment not treated. FRONTLINE has been applied since date not specified with dose frequency unknown (1 Jan 2017 chosen at random for 1st application). The owner mentioned that was not the first time that FRONTLINE did not work, however any other detail about it was provided. 2 other cats of the same household that are also on FL were reported on 18BR000380 and 18BR000381. No further information is available.
11-Jan-2018	UAE; 18BR000380; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	01-Jan-2017*	03-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mia, a 5-year-old, 2.5 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the

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		Sex: F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 2.5 kg				12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					reporter, on 2 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation few days prior to FL, environment not treated. FRONTLINE has been applied since date not specified with dose frequency unknown (1 Jan 2017 chosen at random for 1st application). The owner mentioned that was not the first time that FRONTLINE did not work, however any other detail about it was provided. 2 other cats of the same household that are also on FL were reported on 18BR000379 and 18BR000381. No further information is available.
11-Jan-2018	UAE; 18BR000381; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	03-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Winter, a 7-year-old, 5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 2 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation few days prior to FL, environment not treated. FRONTLINE has been applied since date not specified with dose frequency unknown (1 Jan 2017 chosen at random for 1st application). The owner mentioned that was not the first time that FRONTLINE did not work, however any other detail about it was provided. 2 other cats of the same household that are also on FL were reported on 18BR000379 and 18BR000380. No further information is available.
11-Jan-2018	UAE; 18BR000382; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Jan-2018*	6 Week(s) 2 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Theo, 18 months old, 02 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 28 Nov, 2017. The owner complained about the lack of efficacy of FL because he continues to see fleas in his animals. According to the owner, animal already had fleas 02 months prior (28 Sep, 2017 – estimated date) to treatment. The environment has not been treated. There is also another cat in the same household with similar problem (see case 18BR000383). No further information available
11-Jan-2018	UAE; 18BR000383; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 1.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Jan-2018*	6 Week(s) 2 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Karmen, 18 months old, 1.8 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 28 Nov, 2017. The owner complained about the lack of efficacy of FL because he continues to see fleas in his animals. According to the owner, animal already had fleas 02 months prior (28 Sep, 2017 – estimated date) to treatment. The environment has not been treated. There is also another cat in the same household with similar problem (see case 18BR000382). No further information available
10-Jan-2018	UAE; 18BR000388; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	N/A	01-Nov-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, more than one dog of unknown signalment were treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, less than 3 months ago (1 Nov 2017 chosen at random), for flea treatment. Lack of efficacy suspected because the dogs are currently infested by fleas. Other details

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		Age: - **Weight:** Unknown				**used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					were not provided. This is the extent of the information available.
11-Jan-2018	UAE; 18BR000391; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 1 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	11-Jan-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Princesa, a female Yorkshire of 2 months old and 1 kg, was treated with FRONTLINE SPRAY (FL) (002/17 and unknown exp date, topical, parts of the body - incorrect application), applied by the reporter on 22 Dec 2017, for flea treatment. Flea infestation 6 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if this pet has received FL in the past. No further information is expected.
10-Jan-2018	UAE; 18BR000392; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Other details were not provided. Suspected human exposure reported on 18BR000393. This is the extent of the information available.
11-Jan-2018	UAE; 18BR000394; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	11-Jan-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, a female dog of unknown signalment was treated with FRONTLINE (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by the reporter on 20 Dec 2017. Lack of efficacy is suspected because the pet remains with fleas and ticks. It is unknown if FL has previously been applied. This is the extent of the information available.
11-Jan-2018	UAE; 18BR000396; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical /	N/A	11-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pupi, a female Lhasa Apso of 13 years old and 5.5 kg, was treated with one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Dec 2017, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated

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		Year(s) **Weight:** 5.5 kg				Cutaneous **Was the product used ok?:** Yes					with deltamethrin and it is unknown if FL has previously been applied. There are two more animals in this household with the same issue (See cases 18BR000397 and 18BR000398). No further information is expected.
11-Jan-2018	UAE; 18BR000397; SP; Brazil	**Species:** Canine **Breed:** Whippet **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Fielder, a male Whippet of 6 years old and 10 kg, was treated with one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Dec 2017, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are two more animals in this household with the same issue (See cases 18BR000396 and 18BR000398). No further information is expected.
11-Jan-2018	UAE; 18BR000398; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 1 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Calisto, a male mixed breed cat of 6 months old and 1 kg, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Dec 2017, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are two more animals in this household with the same issue (See cases 18BR000396 and 18BR000397). No further information is expected.
11-Jan-2018	UAE; 18BR000400; PR; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 60 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	11-Jan-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Max, a male Labrador of 6 years old and 60 kg, received FRONTLINE SPRAY (FL) (005/15, May 2017, topical, parts of the body - incorrect application), applied by the reporter on 11 Dec 2017, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product. FL has been applied monthly since 1 Jan 2017 (chosen at random). There is another dog in this household with the same issue (see case 18BR000401). No further information is expected.
11-Jan-2018	UAE; 18BR000401; PR; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 60 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not	01-Jan-2017*	11-Jan-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Marley, a male Labrador of 8 years old and 60 kg, received FRONTLINE SPRAY (FL) (005/15, May 2017, topical, parts of the body - incorrect application), applied by the reporter on 11 Dec 2017, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product. FL has been applied monthly since 1 Jan 2017 (chosen at random). There is another dog in this household with the same issue (see case 18BR000400). No further information is expected.

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						respected)					
11-Jan-2018	UAE; 18BR000404; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 21.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	11-Nov-2017*	11-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Theo, a male mixed breed cat of 21 months old and 1.5 kg, received one vial of FRONTLINE SPOT-ON CAT (FL) (021/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 11 Jan 2018. The pet was in good health prior to FL and he reacted to another product in the past (details were not provided). Around 15 minutes, the pet licked the product and presented with hypersalivation. He recovered by his own. FL was applied 2 months ago (11 Nov 2017 - estimated date) with no issue. Another cat was treated with FL and it has no reaction. No further information is available.
11-Jan-2018	UAE; 18BR000405; SP; Brazil	**Species:** Canine **Breed:** Pug **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 8.490 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Jan-2018	11-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Golias, a male Pug of 3 years old and 8.490 kg, was treated, for the first time, with one vial of FRONTLINE PLUS DOG S (FL) (005/16, Oct 2018, topical, btw the shoulder blades), applied by the reporter on 9 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. The pet has flea allergic dermatitis. The owner believes that FL is not working because she continues to see fleas on her pet. This is the extent of the information available.
11-Jan-2018	UAE; 18BR000415; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 5.7 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	27-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Pug, 04 years old, 5.7 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 012/16, exp date unknown, topically, in the whole body), applied by the reporter on 26 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pets. The owner couldn´t inform for how long her pet had fleas, prior to FL use. The environment has not been treated. There are also another 04 dogs in the same household with similar problem (see cases 18BR000416 to 18BR000419). There is no further information expected.
11-Jan-2018	UAE; 18BR000416; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	27-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Cristal, 03 years old, 2.5 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 012/16, exp date unknown, topically, in the whole body), applied by the reporter on 26 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pets. The owner couldn´t inform for how long her pet had fleas, prior to FL use. The environment has not been treated. There are also another 04 dogs in the same household with similar problem (see cases 18BR000415 and 18BR000417 to 18BR000419). There is no further information expected.
11-Jan-2018	UAE; 18BR000417; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical /	N/A	27-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Muriel, 01 years old, 08 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 012/16, exp date unknown, topically, in the whole body), applied by the reporter on 26 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pets. The owner couldn´t inform for how long her

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		Age: 1.00 Year(s) **Weight:** 08 kg				Cutaneous **Was the product used ok?:** Yes					pet had fleas, prior to FL use. The environment has not been treated. There are also another 04 dogs in the same household with similar problem (see cases 18BR000415, 18BR000416, 18BR000418 and 18BR000419). There is no further information expected.
11-Jan-2018	UAE; 18BR000418; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 30.00 Month(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	27-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Leite, 30 months old, 10 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 012/16, exp date unknown, topically, in the whole body), applied by the reporter on 26 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pets. The owner couldn´t inform for how long her pet had fleas, prior to FL use. The environment has not been treated. There are also another 04 dogs in the same household with similar problem (see cases 18BR000415 to 18BR000417 and 18BR000419). There is no further information expected.
11-Jan-2018	UAE; 18BR000419; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	27-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Costela, 07 years old, 10 kilogram, canine, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 012/16, exp date unknown, topically, in the whole body), applied by the reporter on 26 Dec, 2017, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pets. The owner couldn´t inform for how long her pet had fleas, prior to FL use. The environment has not been treated. There are also another 04 dogs in the same household with similar problem (see cases 18BR000415 to 18BR000418). There is no further information expected.
12-Jan-2018	UAE; 18BR000425; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	4 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Luke, 08 years old, 12 kilogram, canine, male, Poodle, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 08 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 10 days prior (29 Dec, 2017 – estimated date) to treatment. The environment has not been treated. No further information available.
11-Jan-2018	UAE; 18BR000426; SP; Brazil	**Species:** Canine **Breed:** Shiba Inu **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Week(s) **Weight:** 1.25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	09-Jan-2018	09-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Bela, a female Shih Tzu of 9 weeks old and 1.25 kg, received, for the first time, one vial of FRONTLINE PLUS DOG S (FL) (001/17 and unknown exp date), applied by the retail store staff on 10 Jan 2018. The dog was in good health prior to FL and has no history of adverse reactions. Following product application, the pet was drooling, sneezing and hyperactive. The vet recommended a bath and the dog recovered. No further information is available. UPDATE 12 JAN 2018 - According to the owner, FL was applied 2 days prior to the initial report (9 Jan 2018), and the signs had started that day. There is no further information expected.

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12-Jan-2018	UAE; 18BR000429; SP; Brazil	**Species:** Canine **Breed:** Pekingese **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 2.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	8 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Chika, 09 months old, 2.8 kilogram, canine, female, Pekingese, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea and tick treatment, applied on 04 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see parasites in her animal. According to the owner, animal already had parasites 03 days prior (01 Jan, 2018 – estimated date) to treatment. The environment has been treated with a product call KILLIER. There is also another cat in this household with similar problem (see case 18BR000430). No further information available.
12-Jan-2018	UAE; 18BR000430; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 3.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	8 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Bill, 06 years old, 3.2 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea and tick treatment, applied on 04 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see parasites in her animal. According to the owner, animal already had parasites 03 days prior (01 Jan, 2018 – estimated date) to treatment. The environment has been treated with a product call KILLIER. There is also a dog in this household with similar problem (see case 18BR000429). No further information available
11-Jan-2018	UAE; 18BR000433; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	01-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Nina, 08 years old, 05 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 002/16, exp date unknown, topically, in the whole body), applied by the reporter on 31 Dec 2017, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pets. According to the owner, animal already had fleas 01 month prior (31 Nov 2017 – estimated date) to treatment. The environment has been treated. There are also another 03 cats in the same household with similar problem (see cases 18BR000434 and 18BR000435). There is no further information expected.
11-Jan-2018	UAE; 18BR000434; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	01-Jan-2018	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Vitoria, 08 years old, 05 kilogram, feline, female, Siamese, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 002/16, exp date unknown, topically, in the whole body), applied by the reporter on 31 Dec 2017, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pets. According to the owner, animal already had fleas 01 month prior (31 Nov 2017 – estimated date) to treatment. The environment has been treated. There are also another 03 cats in the same household with similar problem (see cases 18BR000433 and 18BR000435). There is no further information expected.
11-Jan-2018	UAE; 18BR000435; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products	N/A	01-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Preta, 08 years old, 05 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 002/16, exp date unknown, topically, in the whole body), applied by the reporter on 31 Dec 2017, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pets. According to the owner, animal already had fleas 01

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		Unknown **Age:** 8.00 Year(s) **Weight:** 05 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					month prior (31 Nov 2017 – estimated date) to treatment. The environment has been treated. There are also another 03 cats in the same household with similar problem (see cases 18BR000433 and 18BR000434). There is no further information expected.
12-Jan-2018	UAE; 18BR000441; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	24-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Doly, a 12 kg, female crossbred dog (age unknown), was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 2 vials for 6 dogs, by the retail store staff, on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 5 other dogs of the same household that are also on FL were reported on 18BR000442, 18BR000443, 18BR000444, 18BR000445 and 18BR000446. 2 cats of the same household that received FRONTLINE PLUS CATS were reported on 18BR000447 and 18BR000448. No further information is available.
12-Jan-2018	UAE; 18BR000442; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 14 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	24-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luci, a 14 kg, female crossbred dog (age unknown), was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 2 vials for 6 dogs, by the retail store staff, on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 5 other dogs of the same household that are also on FL were reported on 18BR000441, 18BR000443, 18BR000444, 18BR000445 and 18BR000446. 2 cats of the same household that received FRONTLINE PLUS CATS were reported on 18BR000447 and 18BR000448. No further information is available.
12-Jan-2018	UAE; 18BR000443; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 16 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	24-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Laura, a 16 kg, female crossbred dog (age unknown), was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 2 vials for 6 dogs, by the retail store staff, on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 5 other dogs of the same household that are also on FL were reported on 18BR000441, 18BR000442, 18BR000444, 18BR000445 and 18BR000446. 2 cats of the same household that received FRONTLINE PLUS CATS were reported on 18BR000447 and 18BR000448. No further information is available.
12-Jan-2018	UAE; 18BR000444;	**Species:** Canine **Breed:** Medium	1	1	0	**Product used:** FIPRONIL	N/A	24-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tommy, a 15 kg, female crossbred dog (age unknown), was

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	PR; Brazil	crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 15 kg				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Treatment / vaccination program not respected)					treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 2 vials for 6 dogs, by the retail store staff, on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 5 other dogs of the same household that are also on FL were reported on 18BR000441, 18BR000442, 18BR000443, 18BR000445 and 18BR000446. 2 cats of the same household that received FRONTLINE PLUS CATS were reported on 18BR000447 and 18BR000448. No further information is available.
12-Jan-2018	UAE; 18BR000445; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	24-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jhuly, an 18 kg, male crossbred dog (age unknown), was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 2 vials for 6 dogs, by the retail store staff, on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 5 other dogs of the same household that are also on FL were reported on 18BR000441, 18BR000442, 18BR000443, 18BR000444 and 18BR000446. 2 cats of the same household that received FRONTLINE PLUS CATS were reported on 18BR000447 and 18BR000448. No further information is available.
12-Jan-2018	UAE; 18BR000446; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 16 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	24-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jasmim, a 16 kg, female crossbred dog (age unknown), was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 2 vials for 6 dogs, by the retail store staff, on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 5 other dogs of the same household that are also on FL were reported on 18BR000441, 18BR000442, 18BR000443, 18BR000444 and 18BR000445. 2 cats of the same household that received FRONTLINE PLUS CATS were reported on 18BR000447 and 18BR000448. No further information is available.
12-Jan-2018	UAE; 18BR000447; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 17.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	24-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mitsi, a 17-year-old, 10 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, between the shoulder blades, by the retail store staff, on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 1 other cat in the same household that is also on FL was reported on 18BR000448. 6 dogs of the same household that

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						Was the product used ok?: Yes					received FRONTLINE PLUS DOG XL were reported on 18BR000441, 18BR000442, 18BR000443, 18BR000444, 18BR000445 and 18BR000446. No further information is available.
12-Jan-2018	UAE; 18BR000448; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Vilma, a 12-year-old, 10 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, between the shoulder blades, by the retail store staff, on 23 Dec 2017, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 15 days prior to FL, environment treated with Butox (MSD Lab.). There is no information regarding use of FRONTLINE in the past. 1 other cat in the same household that is also on FL was reported on 18BR000447. 6 dogs of the same household that received FRONTLINE PLUS DOG XL were reported on 18BR000441, 18BR000442, 18BR000443, 18BR000444, 18BR000445 and 18BR000446. No further information is available.
12-Jan-2018	UAE; 18BR000450; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	21-Dec-2017*	06-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Gigi, a 13-year-old, 4 kg, female Siamese, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, near 21 Dec 2017 and one week ago (date presumed 5 Jan 2018), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 15 days prior to FL, environment not treated. No further information is available.
12-Jan-2018	UAE; 18BR000451; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 7.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Stouk, a 6-year-old, 7.5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 10 Dec 2017, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 1 week prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. 1 other cat in the same household that is also on FL was reported on 18BR000452. No further information is available.
12-Jan-2018	UAE; 18BR000452; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Larika, a 4-year-old, 4 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 10 Dec 2017, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 1 week prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. 1 other cat in the same household that is also on FL was reported on 18BR000451. No further information is available.

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12-Jan-2018	UAE; 18BR000456; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pitty, a 12-year-old, 5 kg, female dog (breed unknown), was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 28 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas . Flea infestation prior to FL, environment treated. There is no information regarding use of FRONTLINE in the past. No further information is available.
12-Jan-2018	UAE; 18BR000457; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2015*	01-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, more than one dog of unknown signalment were treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, every month for at least 4 months (last application on date not specified - 1 Jan 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dogs continued to have fleas. FRONTLINE had been applied for the past 3 years with no issues. No further information is available.
12-Jan-2018	UAE; 18BR000458; PR; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	3 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Babucha, 07 years old, 25 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG L (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 09 Jan 2018. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pet. The environment has been treated with K-OTHRINE®. There are also another 02 dogs in the same household with similar problem (see cases 18BR000459 and 18BR000460). No further information is available.
12-Jan-2018	UAE; 18BR000459; PR; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 17 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	3 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Toby, 05 years old, 17 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG L (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 09 Jan 2018. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pet. The environment has been treated with K-OTHRINE®. There are also another 02 dogs in the same household with similar problem (see cases 18BR000458 and 18BR000460). No further information is available.
12-Jan-2018	UAE; 18BR000460; PR; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	12-Jan-2018*	3 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Piqueno, 42 months old, 40 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG XL (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 09 Jan 2018. The owner complained

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		Sex: M **Sex qualifier:** Unknown **Age:** 42.00 Month(s) **Weight:** 40 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					about the lack of efficacy of FL because he continues to see fleas in his pet. The environment has been treated with K-OTHRINE®. There are also another 02 dogs in the same household with similar problem (see cases 18BR000458 and 18BR000459). No further information is available.
12-Jan-2018	UAE; 18BR000462; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, a female Lhasa Apso of 9 years old and 6 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 26 Dec 2017, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
12-Jan-2018	UAE; 18BR000464; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Alice, a female mixed breed cat of 8 months old and 2 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 3 Jan 2018, for flea treatment. Flea infestation 4 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There are two more cats with the same issue (18BR000465 and 18BR000466). No further information is expected.
12-Jan-2018	UAE; 18BR000465; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Belinha, a female mixed breed cat of 7 months old and 2 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 3 Jan 2018, for flea treatment. Flea infestation 4 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There are two more cats with the same issue (18BR000464 and 18BR000466). No further information is expected.
12-Jan-2018	UAE; 18BR000466; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products	N/A	12-Jan-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Babu, a female mixed breed cat of 8 months old and 2.5 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 3 Jan 2018, for flea treatment. Flea infestation 4 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Month(s) **Weight:** 2.5 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					are two more cats with the same issue (18BR000464 and 18BR000465). No further information is expected.
12-Jan-2018	UAE; 18BR000469; SC; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the retail store staff member, Flae, a male Shih Tzu of unknown signalment, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 8 days ago (4 Jan 2018 - estimated date), for tick treatment. Tick infestation 5 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. It is unknown if the surrounding environment has been treated and it is unknown if FL has previously been applied. No further information is expected.
12-Jan-2018	UAE; 18BR000472; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	12-Dec-2017*	12-Jan-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 cats of unknown signalment, received, for the second time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp dare are unknown, topical, btw the shoulder blades), applied by the reporter 8 days ago (4 Jan 2018 - estimated date). Flea infestation around 10 days ago. Lack of efficacy is suspected because the cats remain with fleas. The surrounding environment has been treated with deltamethrin and FL was applied for the first time around 1 month ago (12 Dec 2017 - estimated date). No further information is expected.
12-Jan-2018	UAE; 18BR000474; -; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 5.1 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	27-Dec-2017	12-Jan-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Coco, a female mixed breed cat of 15 years old and 5.1 kg, received one pipette of FRONTLINE PLUS CAT (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 27 Dec 2017, for flea treatment. The owner believes that FL is not working because he continues to see fleas on his pet. The surrounding environment has been treated with deltamethrin. The owner also complained about the lack of efficacy of FRONTLINE SPOT-ON CAT (see case 17BR005973) and FL was applied 7 years ago with no issue. No further information is expected.
12-Jan-2018	UAE; 18BR000477; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	5 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Julie, a female Shih Tzu of 1 year old and 6 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (006/16, Jun 2018, topical, btw the shoulder blades), applied by the reporter on 5 Dec 2017, for flea control. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has not bee treated and it is unknown if FL has previously been applied. No further information is expected.

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15-Jan-2018	UAE; 18BR000484; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 9.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017*	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Meg, 01 year old, 9.5 kilogram, canine, female, Mixed Breed. Received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot 006/16 and expiry date JUN 2018), topically, between the shoulder blades), for flea treatment on 14 Jan, 2018.The reporter complained about the lack of efficacy of FL because she continued to see fleas in her pet. According to her FL was also applied on 01 Dec 2017 and 02 days after she travelled to her friend´s house and even there , without animals, after walks on the street, she found fleas in her dog. The dog already had fleas 02 days prior (12 Jan 2018 – estimated date) to treatment. The environment has not been treated. No further information is available.
15-Jan-2018	UAE; 18BR000486; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 04 gms	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	6 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Preta, 15 years old, 04 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot 005/17and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 09 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 04 days prior (05 Jan, 2018 – estimated date) to treatment. The environment has been treated with TRIATOX®. No further information available.
15-Jan-2018	UAE; 18BR000487; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 0.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	12 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Ruivo, 3 months old, 0.5 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 03 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see alive fleas in her animal. According to the owner, animal already had fleas 02 days prior (01 Jan, 2018 – estimated date) to treatment. The environment has not been treated. No further information available
15-Jan-2018	UAE; 18BR000490; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Dec-2017*	16-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Gustavo, 18 months old, 03 kilogram, feline, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 007/16, exp date unknown, topically, in the whole body), applied by the reporter on 03 occasions the first one approximately 01 month ago (15 Dec 2017 – estimated date) and the last one 15 days ago (31 Dec 2017 – estimated date) , for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pets. According to the owner, animal already had fleas 15 days prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 05 cats in the same household with similar problem (see cases 18BR000491 to 18BR000495). There is no further information expected.
15-Jan-2018	UAE; 18BR000491;	**Species:** Feline **Breed:** Feline	1	1	0	**Product used:** FIPRONIL	15-Dec-2017*	16-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Minicotinha, 08 years old, 1.5 kilogram, feline, female, Mixed

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	RJ; Brazil	mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 1.5 kg				SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 007/16, exp date unknown, topically, in the whole body), applied by the reporter on 03 occasions the first one approximately 01 month ago (15 Dec 2017 – estimated date) and the last one 15 days ago (31 Dec 2017 – estimated date) , for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pets. According to the owner, animal already had fleas 15 days prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 05 cats in the same household with similar problem (see cases 18BR000490 and 18BR000492 to 18BR000495). There is no further information expected.
15-Jan-2018	UAE; 18BR000492; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Dec-2017*	16-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Maricotinha, 10 years old, 05 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 007/16, exp date unknown, topically, in the whole body), applied by the reporter on 03 occasions the first one approximately 01 month ago (15 Dec 2017 – estimated date) and the last one 15 days ago (31 Dec 2017 – estimated date) , for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pets. According to the owner, animal already had fleas 15 days prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 05 cats in the same household with similar problem (see cases 18BR000490, 18BR000491 and 18BR000493 to 18BR000495). There is no further information expected.
15-Jan-2018	UAE; 18BR000493; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Dec-2017*	16-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Sol, 03 years old, 03 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 007/16, exp date unknown, topically, in the whole body), applied by the reporter on 03 occasions the first one approximately 01 month ago (15 Dec 2017 – estimated date) and the last one 15 days ago (31 Dec 2017 – estimated date) , for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pets. According to the owner, animal already had fleas 15 days prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 05 cats in the same household with similar problem (see cases 18BR000490 to 18BR000492, 18BR000494 and 18BR000495). There is no further information expected.
15-Jan-2018	UAE; 18BR000494; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Dec-2017*	16-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Spineli, 13 years old, 03 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 007/16, exp date unknown, topically, in the whole body), applied by the reporter on 03 occasions the first one approximately 01 month ago (15 Dec 2017 – estimated date) and the last one 15 days ago (31 Dec 2017 – estimated date) , for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pets. According to the owner, animal already had fleas 15 days prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 05 cats in the same household with similar problem (see cases 18BR000490 to 18BR000493 and 18BR000495). There is no further information expected.
15-Jan-2018	UAE;	**Species:** Feline	1	1	0	**Product used:**	15-Dec-2017*	16-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner,

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	18BR000495; RJ; Brazil	**Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 04 kg				FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					Milicotinha, 08 years old, 04 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 007/16, exp date unknown, topically, in the whole body), applied by the reporter on 03 occasions the first one approximately 01 month ago (15 Dec 2017 – estimated date) and the last one 15 days ago (31 Dec 2017 – estimated date) , for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pets. According to the owner, animal already had fleas 15 days prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 05 cats in the same household with similar problem (see cases 18BR000490 to 18BR000494). There is no further information expected.
15-Jan-2018	UAE; 18BR000498; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 28 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	09-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Vitoria, an 8-year-old, 28 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (015/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 1 week ago (date presumed 8 Jan 2017), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one week prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. One other dog of the same household that is also on FL was reported on 18BR000499. No further information is available.
15-Jan-2018	UAE; 18BR000499; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 23 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	09-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Filó, a 3-year-old, 23 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (015/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 1 week ago (date presumed 8 Jan 2017), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas . Flea infestation one week prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. One other dog of the same household that is also on FL was reported on 18BR000498. No further information is available.
15-Jan-2018	UAE; 18BR000509; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 19.00 Month(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a female small crossbred dog of 19 months old and 10 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 4 Jan 2018, for flea treatment. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL was applied in the past. There is another dog in this household with the same issue (See case 18BR000510). No further information is expected.
15-Jan-2018	UAE; 18BR000510; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10	1	1	0	**Product used:** FIPRONIL 10%/S	N/A	15-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Elvis, a male small crossbred dog of 5 years old and 5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are

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		Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 5 kg				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					unknown, topical, btw the shoulder blades), applied by the reporter on 4 Jan 2018, for flea treatment. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL was applied in the past. There is another dog in this household with the same issue (See case 18BR000509). No further information is expected.
15-Jan-2018	UAE; 18BR000514; SP; Brazil	**Species:** Canine **Breed:** Schnauzer **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 8.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Vivi, a female Schnauzer of 10 years old and 8.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 27 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL was applied in the past. No further information is expected.
15-Jan-2018	UAE; 18BR000515; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female small crossbred dog of 5 years old and 7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 26 Dec 2017, for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL was applied in the past. No further information is expected.
15-Jan-2018	UAE; 18BR000516; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Gregory, a male Yorkshire of 9 years old and 2.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 30 Dec 2017, for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL was applied in the past. No further information is expected.
15-Jan-2018	UAE; 18BR000519; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products	N/A	12-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Bambu, 04 months old, 2.4 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied by the DVM on 11 Dec 2017. The owner complained about the lack of efficacy of FL because she continues

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		Unknown **Age:** 4.00 Month(s) **Weight:** 2.4 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					to see fleas in her animal. According to the owner, animal already had fleas 10 days prior (01 Dec 2017 – estimated date) to treatment. The environment has not been treated. No further information available
15-Jan-2018	UAE; 18BR000520; PR; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 1 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pitucha, a female Shih Tzu of 2 months old and 1 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2018, for flea treatment. Flea infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL was applied in the past. No further information is expected.
15-Jan-2018	UAE; 18BR000521; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Neguinha, a female small crossbred dog of 4 years old and 7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (001/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 15 Dec 2017, for flea/tick treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet has fleas and ticks. The surrounding environment has not been treated and it is unknown if FL was applied in the past. No further information is expected.
14-Jan-2018	UAE; 18BR000522; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Nov-2017*	14-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Mel, a female small crossbred dog of 5 years old and 7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the family member on 26 Dec 2017, for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL was applied in the past (1 Nov 2017 - chosen at random) with no issue. No further information is expected.
15-Jan-2018	UAE; 18BR000523; PR; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 50 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	15-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Thor, a male Labrador of 7 years old and 50 kg, received one vial of FRONTLINE PLUS DOG XL (FL) (016/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 13 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with Bolfo® and it is unknown if FL has previously been applied . No further information is expected. UPDATE 17 JAN 2018 - The owner was contacted and she reported that dead fleas have been seen on the floor, however she believes that FL is not working because the dog

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: Yes					continued to have fleas. No further information is available.
15-Jan-2018	UAE; 18BR000524; RJ; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	15-Jan-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sherry, a male large crossbred dog of 11 years old and 20 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, neck and back), applied by the reporter on 7 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL has been applied monthly for more than one year (1 Jan 2017 - estimated date). There is another dog in this household that was treated with FL and it has no issue. No further information is expected.
15-Jan-2018	UAE; 18BR000525; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Month(s) **Weight:** 2.5 - 3.5 kg*	7	7	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	31-Dec-2017*	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 7 male cats between 1 month old to 2 years old and around 2.5 kg to 3.5 kg, received FRONTLINE SPRAY (FL) (006/16 and unknown exp date, topical, parts of the body), applied by the reporter on 14 Jan 2018 (estimated date), for flea control. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has been treated with deltamethrin and amitraz. FL has been applied weekly since 15 days ago (31 Dec 2017 - estimated date). Similar case was reported on 18BR000526. No further information is expected.
15-Jan-2018	UAE; 18BR000526; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Month(s) **Weight:** 2.5 - 3.5 kg*	3	3	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	31-Dec-2017*	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 3 female cats between 1 month old to 2 years old and around 2.5 kg to 3.5 kg, received FRONTLINE SPRAY (FL) (006/16 and unknown exp date, topical, parts of the body), applied by the reporter on 14 Jan 2018, for flea control. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has been treated with deltamethrin and amitraz. FL has been applied weekly since 15 days ago (31 Dec 2017 - estimated date). Similar case was reported on 18BR000525. No further information is expected.
15-Jan-2018	UAE; 18BR000530; SC; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products	N/A	27-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one 18-month-old, 6 kg, male crossbred dog was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, 20 days ago (date presumed 26 Dec 2017), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea

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		Unknown **Age:** 18.00 Month(s) **Weight:** 6 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					infestation 2 weeks prior to FL and environment not treated. There is no information regarding use of FRONTLINE in the past. No further information is available.
16-Jan-2018	UAE; 18BR000531; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Scoty, a 3-year-old, 7 kg, male Shih Tzu, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 13 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 2 days prior to FL, environment not treated. There is no information regarding use of FRONTLINE in the past. No further information is available.
16-Jan-2018	UAE; 18BR000533; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	06-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pretinha, a 10 kg, female crossbred dog (age unknown), was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, 10 days ago (date presumed 5 Jan 2017), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 1 week prior to FL and environment not treated. There is no information regarding use of FRONTLINE in the past. No further information is available.
16-Jan-2018	UAE; 18BR000537; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 9.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Laika, 01 year old, 9.8 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 014/17 and expiry date FEB 2019, topically, between the shoulder blades) for flea treatment, applied 15 days ago (01 Jan, 2018 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had parasites 03 months prior (01 Oct 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There is also another dog in this household with similar problem (see case 18BR000538). No further information available.
16-Jan-2018	UAE; 18BR000538; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner,Princesa, 08 years old, 10 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 014/17 and expiry date FEB 2019, topically, between the shoulder blades) for flea treatment, applied 15 days ago (01 Jan, 2018 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had parasites 03 months prior (01 Oct 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There is also another dog in this household with similar problem (see case 18BR000537). No further information available.

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16-Jan-2018	UAE; 18BR000541; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Sansa, 03 months old, 02 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 021/16 and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 14 Jan 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior (014 Dec 2017 – estimated date) to treatment. The environment has been treated. There is also another cat in the same household with similar problem (see case 18BR000542). No further information available
16-Jan-2018	UAE; 18BR000542; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Maria, 05 years old, 08 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 021/16 and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 14 Jan 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior (014 Dec 2017 – estimated date) to treatment. The environment has been treated. There is also another cat in the same household with similar problem (see case 18BR000541). No further information available
16-Jan-2018	UAE; 18BR000543; RJ; Brazil	**Species:** Canine **Breed:** Beagle **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Jan-2016*	16-Jan-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jade, a female Beagle of 9 years old and 25 kg, received FRONTLINE SPRAY (FL) (005/16, May 2018, topical, parts of the body), applied by the reporter on 8 Jan 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks . The surrounding environment has been treated with deltamethrin. FL has been applied in the past with no issue since 2 years ago (8 Jan 2016 - estimated date). No further information is expected.
16-Jan-2018	UAE; 18BR000549; SC; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Dec-2017*	29-Dec-2017*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Gata, 03 months old, 0.8 kilogram, feline, female, Siamese, received 02 pipettes of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, the first one applied on 28 Dec 2017 and the second one on 11 Jan 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal . According to the owner, animal already had fleas approximately 01 month prior (28 Nov 2017 – estimated date) to treatment. The environment has not been treated. No further information available
14-Jan-2018	UAE; 18BR000551; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	N/A	16-Jan-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one dog of 6 years old (other signalment is unknown) received FRONTLINE (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter around 10 days ago (4 Jan 2018 - estimated date), for flea control. Lack of efficacy is suspected because the pet has fleas. This is the extent of the information available.

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						Route: unknown **Was the product used ok?:** Unknown to Company					
16-Jan-2018	UAE; 18BR000552; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Tedy, 06 months old, unknown weight, feline, male, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 28 Dec 2017. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, The animal already had fleas prior to treatment. The environment has been treated but with unspecified products. No further information available
16-Jan-2018	UAE; 18BR000554; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lisa, a female Pinscher of 4 years old and 3 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 14 Dec 2017, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR000555). No further information is expected.
16-Jan-2018	UAE; 18BR000555; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Magnolia, a female Pinscher of 5 years old and 3.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 14 Dec 2017, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR000554). No further information is expected.
16-Jan-2018	UAE; 18BR000556; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Dec-2017	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Rebeca, 03 years old, 05 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot 001/17 and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 20 Dec 2017. The owner complained about the lack of efficacy of FL because she continues to see fleas in her cat. According to the owner, animal already had fleas 02 months prior (20 Oct 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There is also another cat in the same household with similar problem (see case 18BR000557). No further information available

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16-Jan-2018	UAE; 18BR000557; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Mimi, 02 years old, 03 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot 001/17 and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 20 Dec 2017. The owner complained about the lack of efficacy of FL because she continues to see fleas in her cat. According to the owner, animal already had fleas 02 months prior (20 Oct 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There is also another cat in the same household with similar problem (see case 18BR000556). No further information available
15-Jan-2018	UAE; 18BR000560; -; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, three mixed breed dogs of unknown signalment received FRONTLINE (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. Similar case was reported on 18BR000561. This is the extent of the information available.
15-Jan-2018	UAE; 18BR000561; -; Brazil	**Species:** Canine **Breed:** Terrier Breeds (500 Series) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one Brazilian Terrier of unknown signalment received FRONTLINE (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. Similar case was reported on 18BR000560. This is the extent of the information available.
16-Jan-2018	UAE; 18BR000563; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Carmem, a female mixed breed cat of 6 years old and 3 kg, received one vial of FRONTLINE CATS (unsubstantiated) (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 11 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar case was reported on 18BR000562. No further information is expected.
17-Jan-2018	UAE; 18BR000574;	**Species:** Canine **Breed:** Shih Tzu	1	1	0	**Product used:** FIPRONIL	N/A	16-Jan-2018*	12 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Tota, 02 years old, 07 kilogram, canine, male, Shih Tzu, received 01

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	SP; Brazil	**Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 07 kg				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					pipette of FRONTLINE PLUS DOG S (FL) (lot 018/17 and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 04 Jan, 2018 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal even with the environment treated. According to the owner, animal already had parasites 05 days prior (30 Dec 2017 – estimated date) to treatment. The environment has been treated. There is also another dog in this household with similar problem (see case 18BR000575). No further information available.
17-Jan-2018	UAE; 18BR000575; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018*	12 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Suzy, unknown age, 05 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 018/17 and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 04 Jan, 2018 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal even with the environment treated. According to the owner, animal already had parasites 05 days prior (30 Dec 2017 – estimated date) to treatment. The environment has been treated. There is also another dog in this household with similar problem (see case 18BR000574). No further information available.
17-Jan-2018	UAE; 18BR000578; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bichão, a male mixed breed cat of 11 years old and 3 kg, receied one vial of FRONTLINE PLUS CATS (FL) (003/16, Aug 2018, topical, btw the shoulder blades), applied by the reporter on 8 Jan 2018, for flea treatment. Flea infestation 10 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
17-Jan-2018	UAE; 18BR000579; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 13 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Caliu, a male medium crossbred dog of 3 years old and 13 kg, received one vial of FRONTLINE PLUS DOG M (FL) (009/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 12 Jan 2018, for flea treatment. Flea infestation 5 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied . Similar case was reported on 18BR000580. No further information is expected.
17-Jan-2018	UAE; 18BR000580; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON	N/A	17-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cleo, a female mixed breed cat of 6 years old and 3 kg, received one vial of FRONTLINE PLUS CATS (FL) (009/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 12 Jan 2018, for flea treatment. Flea infestation 5 days prior to FL.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Unknown **Age:** 6.00 Year(s) **Weight:** 3 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated and it is unknown if FL has previously been applied . Similar case was reported on 18BR000579. No further information is expected.
17-Jan-2018	UAE; 18BR000581; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nago, a male large crossbred dog of 10 years old and 25 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (019/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 12 Jan 2018, for tick treatment. Tick infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied . Similar cases were reported on 18BR000582 and 18BR000583. No further information is expected.
17-Jan-2018	UAE; 18BR000582; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 23 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sara, a female large crossbred dog of 10 years old and 23 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (019/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 12 Jan 2018, for tick treatment. Tick infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied . Similar cases were reported on 18BR000581 and 18BR000583. No further information is expected.
17-Jan-2018	UAE; 18BR000583; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sofia, a female large crossbred dog of 13 years old and 22 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (019/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 12 Jan 2018, for tick treatment. Tick infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied . Similar cases were reported on 18BR000581 and 18BR000582. No further information is expected.
17-Jan-2018	UAE; 18BR000584; RS; Brazil	**Species:** Canine **Breed:** Samoyed **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment /	N/A	17-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dol, a male Samoyed of 3 years old and 25 kg, received one vial of FRONTLINE PLUS DOG L (FL) (006/17, unknown exp date, topical, back and btw the shoulder blades - incorrect application), applied by the reporter on 13 Jan 2018, for flea treatment. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar case was reported on 18BR000585. No further information is expected.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						vaccination program not respected)					
17-Jan-2018	UAE; 18BR000585; RS; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	17-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Branca, a female small crossbred doog of 9 years old and 10 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, back and btw the shoulder blades - incorrect application), applied by the reporter on 13 Jan 2018, for flea treatment. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar case was reported on 18BR000584. No further information is expected.
17-Jan-2018	UAE; 18BR000587; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 0.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	04-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Maria, 03 months old, 0.5 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 007/17, exp date DEC 2018, topically, unknown site of administration), applied by the reporter on 03 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal and according to her the numbers increased. According to the owner, animal was introduced in the house with fleas on 03 Jan 2018. The environment has been treated with K-OTHRINE ®. There are also another 02 cats in the same household who received FRONTLINE PLUS CAT® and they don´t have fleas. Is is unknown if the owner applied the product in the whole body.There is no further information expected.
17-Jan-2018	UAE; 18BR000588; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4.3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bento, a male mixed breed cat of 2 years old and 4.3 kg, received FRONTLINE SPRAY (FL) (006/16, unknown exp date, topical, whole body), applied by the reporter on 10 Jan 2018, for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000589, 18BR000590 and 18BR000592. No further information is expected.
17-Jan-2018	UAE; 18BR000589; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	17-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Capitu, a male mixed breed cat of 1 year old and 2 kg, received FRONTLINE SPRAY (FL) (006/16, unknown exp date, topical, whole body), applied by the reporter on 10 Jan 2018, for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000588, 18BR000590 and 18BR000592. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
17-Jan-2018	UAE; 18BR000590; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female mixed breed cat of 1 year old and 2 kg, received FRONTLINE SPRAY (FL) (006/16, unknown exp date, topical, whole body), applied by the reporter on 10 Jan 2018, for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000588, 18BR000589 and 18BR000592. No further information is expected.
15-Jan-2018	UAE; 18BR000591; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	11-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Marina, a 2-year-old, 3 kg, female mixed breeds cat, was treated with unknown dose of FRONTLINE PLUS CATS (FL) (lot and exp unknown), 1 vial for 2 cats, topic, back, by the reporter, on 10 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat was still scratching. Flea infestation months prior to FL, environment treated with K-Othrine (Bayer Lab.). There is no information regarding use of FRONTLINE in the past. Other cat of the same household that was also on FL was reported on 18BR000593. No further information is available. UPDATE 24 JAN 2018 – The owner was contacted and provided more information. Marina didn´t receive a new treatment for fleas. The owner also said that she lives in a condominium and cats leaves her house by night possibly having contact with other cats. No further information is available.
17-Jan-2018	UAE; 18BR000592; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Catarina, a female mixed breed cat of 1 year old and 2 kg, received FRONTLINE SPRAY (FL) (006/16, unknown exp date, topical, whole body), applied by the reporter on 10 Jan 2018, for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000588, 18BR000589 and 18BR000590. No further information is expected.
15-Jan-2018	UAE; 18BR000593; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination	N/A	11-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Samuel, a 2-year-old, 2.5 kg, male mixed breeds cat, was treated with unknown dose of FRONTLINE PLUS CATS (FL) (lot and exp unknown), 1 vial for 2 cats, topic, back, by the reporter, on 10 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat was still scratching. Flea infestation months prior to FL, environment treated with K-Othrine (Bayer Lab.). There is no information regarding use of FRONTLINE in the past. Other cat of the same household that was also on FL was reported on 18BR000591. As Samuel was still scratching, FRONTLINE SPOT-ON CAT was applied to him (see 18BR000593). No further information is available. UPDATE 24 JAN 2018 – The owner was contacted and provided more information. The owner also said that she lives in a condominium and cats leaves her house by night possibly having contact with other cats. No further information is

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						program not respected)					available.
15-Jan-2018	UAE; 18BR000594; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Samuel, a 2-year-old, 2.5 kg, male mixed breeds cat, was treated 1 vial of FRONTLINE SPOT-ON CAT (FL) (021/16, Nov 2018), topic, back, by the reporter, on 14 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas and scratching. Flea infestation months prior to FL, environment treated with K-Othrine (Bayer Lab.). FL was applied because FRONTLINE PLUS CATS did not work (see 18BR000593). No further information is available. UPDATE 24 JAN 2018 – The owner was contacted and provided more information. The owner also said that she lives in a condominium and cats leaves her house by night possibly having contact with other cats. No further information is available.
17-Jan-2018	UAE; 18BR000595; SP; Brazil	**Species:** Canine **Breed:** Spaniel (English Cocker) **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 19 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Doug, a male English Cocker of 14 years old and 19 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 15 Dec 2017, for flea treatment. Flea infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied . No further information is expected.
17-Jan-2018	UAE; 18BR000596; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Clarisse, 09 years old, 06 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 005/16, exp date unknown, topically, in the whole body), applied by the reporter 10 days ago (07 Jan 2018 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 day prior to treatment. The environment has been treated with K-OTHRINE ®. There are also another cat in the same household with similar problem (see case 18BR000597). There is no further information expected.
17-Jan-2018	UAE; 18BR000597; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Dexter, 05 years old, 05 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 005/16, exp date unknown, topically, in the whole body), applied by the reporter 10 days ago (07 Jan 2018 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 day prior to treatment. The environment has been treated with K-OTHRINE ®. There are also another cat in the same household with similar problem (see case 18BR000596). There is no further information expected.
16-Jan-2018	UAE; 18BR000598;	**Species:** Canine **Breed:** Pit Bull	1	1	0	**Product used:** FIPRONIL SPOT	N/A	16-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one Pit Bull of unknown signalment received

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	-; Brazil	**Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on unknown date (1 Jan 2018 - chosen at random). The owner believes that FL is not working. No ectoparasites were reported. This is the extent of the information available.
16-Jan-2018	UAE; 18BR000599; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	1	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	05-Jan-2018*	4 Day(s)	D-A	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female dog of unknown signalment received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on unknown date (1 Jan 2018 - chosen at random). Lack of efficacy is suspected because the pet was diganosed with tick-borne disease. The dog died on date not specified. This is the extent of the information available.
16-Jan-2018	UAE; 18BR000609; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	16-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female dog of unknown signalment, received FRONTLINE (FL) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Jan 2018 - chosen at random). The reporter believes that FL is not working. No ectoparasites were reported. This is the extent of the information available.
16-Jan-2018	UAE; 18BR000611; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	02-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Aura, 04 months old, 05 kilogram, canine, female, Shih tzu, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 013/16 and exp date unknown, topically, on the back, belly and paws), applied by the reporter several times (satarted on 01 Dec 2017 - date chosen at random) beign the last application on the beginig of january (01 Jan 2018 – estimated date) for tick treatment. The owner complained about the lack of efficacy of FL because she continues to see ticks in her animal. According to the owner, animal already had ticksin the past. The owner said that there are horses near the house. The environment has been treated with TALFON ®. The owner also complained about a suspicion of adverse event related to NEXGARD® (see case 18BR000612) There is no further information expected.
16-Jan-2018	UAE; 18BR000617; SC; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	01-Jan-2016*	16-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, a female Dachshund of 6 years old and 10 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Jan 2018, for flea/tick control. Lack of efficacy is suspected

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		Unknown **Age:** 6.00 Year(s) **Weight:** 10 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					because the pet has ticks. The surrounding environment has been treated with an unknown product. FL is applied every 2 months since 1 Jan 2016 (chosen at random). Similar case was reported on 18BR000618. No further information is expected.
16-Jan-2018	UAE; 18BR000618; SC; Brazil	**Species:** Canine **Breed:** Border Collie **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 24 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	16-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maia, a female Border Collie of 5 years old and 24 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Jan 2018, for flea/tick control. Lack of efficacy is suspected because the pet has ticks. The surrounding environment has been treated with an unknown product. FL is applied every 2 months since 1 Jan 2016 (chosen at random). Similar case was reported on 18BR000617. No further information is expected.
17-Jan-2018	UAE; 18BR000620; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 3.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sol, a female Labrador of 2 months old and 3.2 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
17-Jan-2018	UAE; 18BR000621; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Belinha, a female small crossbred dog of 3 years old and 6 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 30 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
17-Jan-2018	UAE; 18BR000627; RJ; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	01-Jan-2015*	15-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Deise, a 6-year-old, 3.5 kg, female Yorkshire Terrier, was treated with one vial of FRONTLINE PLUS DOG S (FL) (001/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 15 Jan 2018, 10:00 am, for flea treatment. Deise was in good health prior to FL. Flea allergy dermatitis suspected by the veterinarian. 6 hours later, that Deise was experiencing application site reddening. The dog was treated with loratadine and recovered after 2 hours, however Deise was now scratching (details not provided). No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Was the product used ok?: Yes					
18-Jan-2018	UAE; 18BR000628; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Year(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	16 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Minerva, 16 years old, 02 kilograms, feline, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 01 Jan 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, The animal already had fleas prior to treatment. The environment has been treated but with an anti-flea spray. No further information available
17-Jan-2018	UAE; 18BR000633; RS; Brazil	**Species:** Canine **Breed:** Chihuahua **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Jan-2018	14-Jan-2018	1 Week(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Hulk, an 1-year-old, 1.5 kg, male Chihuahua, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for the first time, on 7 Jan 2018, for flea and tick control. Hulk was in good health prior to FL, and he has no history of adverse reactions. 1 week later (14 Jan 2018), the owner noticed that Hulk was experiencing application site scratching, application site hair loss and application site wound. Hulk was not taken to the vet clinic and the signs are still ongoing. There is no further information expected.
18-Jan-2018	UAE; 18BR000636; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Estrela, 07 years old, 3.5 kilogram, canine, female, Poodle, received 01 dose of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the reporter on 27 Dec 2017. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas prior to treatment. The environment has not been treated. There is another dog in the same household with similar problem (see case 18BR000637). There is no further information expected.
18-Jan-2018	UAE; 18BR000637; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Luna, 06 years old, 05 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the reporter on 27 Dec 2017. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal . According to the owner, animal already had fleas prior to treatment. The environment has not been treated. There is another dog in the same household with similar problem (see case 18BR000636). There is no further information expected.
18-Jan-2018	UAE; 18BR000638; RS; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	18-Jan-2018*	6 Week(s) 1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maria Victoria, a female Shih Tzu of 10 years old and 4 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 6 Dec 2017, for flea control. Lack of efficacy is

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		Age: 10.00 Year(s) **Weight:** 4 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					suspected because the pet remains with fleas. It is unknown if the surrounding environment has been treated and if FL has previously been applied. No further information is expected.
18-Jan-2018	UAE; 18BR000639; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Jan-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kitéria, a female mixed breed cat of 1 year old and 3 kg, received one vial of FRONTLINE SPOT-ON CAT (FL) (021/16, Nov 2018, topical, btw the shoulder blades), applied by the reporter 20 days ago (29 Dec 2017 - estimated date), for flea control. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has been treated with deltamethrin and if FL has previously been applied. No further information is expected.
18-Jan-2018	UAE; 18BR000640; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Bolinha, 04 months old, 03 kilograms, canine, male, Shih tzu, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied 20 days ago (29 Dec 2017 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 week prior (22 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also 04 cats in the same household who were treated with FRONTLINE SPOT-ON CAT® with similar problem (see cases 18BR000642 to 18BR000645). No further information available
17-Jan-2018	UAE; 18BR000641; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	20-Dec-2017	21-Dec-2017*	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Cissa, a female small crossbred dog of 11 years old and 6 kg, received, for the first time, FRONTLINE SPRAY (FL) (013/16 and unknown exp date, topical, back - incorrect application), applied by the reporter on 20 Dec 2017. The dog was in good health prior to FL and has history of bladder stones. One week after product application, the pet presented with application site skin lesion and necrosis. The vet prescribed cephalexin, prednisone and Bepantriz®. The owner replaced Bepantriz® for Nebacetin®. The lesion increased, but the pet is responding well to the treatment. FL 'pipette' was applied in the past with no issue. The vet believes that the dog have a hypersensitivity to fipronil. There is a cat in this household that also received FL and it has no adverse reaction. No further information is available. UPDATE 19 JAN 2018 – The veterinarian was contacted and she reported that FL was applied for flea treatment. Cissa was also scratching the application site when she was taken for appointment. Cissa remains under treatment and the lesion has decreased. According to the initial report, the application site wound and necrosis were noticed 1 week post FL application approximately, however, the dog experienced application site pain prior to the wound on date not specified. There is no further information expected.
18-Jan-2018	UAE;	**Species:** Feline	1	1	0	**Product used:**	N/A	30-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Tufão,

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	18BR000642; SP; Brazil	**Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 05 kg				FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					05 years old, 05 kilograms, feline, male, Siamese, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied 20 days ago (29 Dec 2017 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 week prior (22 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 03 cats and 01 dog in the same household treated with FRONTLINE SPOT-ON DOGS S® with similar problem (see cases 18BR000640 and 18BR000643 to 18BR000645). No further information available
18-Jan-2018	UAE; 18BR000643; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Julia, 07 years old, 04 kilograms, feline, female, Siamese, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied 20 days ago (29 Dec 2017 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 week prior (22 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 03 cats and 01 dog in the same household treated with FRONTLINE SPOT-ON DOGS S® with similar problem (see cases 18BR000640, 18BR000642, 18BR000644 and 18BR000645). No further information available
18-Jan-2018	UAE; 18BR000644; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Simba, 18 months old, 03 kilograms, feline, male, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied 20 days ago (29 Dec 2017 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 week prior (22 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 03 cats and 01 dog in the same household treated with FRONTLINE SPOT-ON DOGS S® with similar problem (see cases 18BR000640, 18BR000642, 18BR000643 and 18BR000645). No further information available
18-Jan-2018	UAE; 18BR000645; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Kiara, 18 months old, 03 kilograms, feline, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied 20 days ago (29 Dec 2017 – estimated date). The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 week prior (22 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 03 cats and 01 dog in the same household treated with FRONTLINE SPOT-ON DOGS S® with similar problem (see cases 18BR000640 and 18BR000642 to 18BR000644). No further information available
17-Jan-2018	UAE; 18BR000648; RS; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products**	N/A	13-Jan-2018*	5 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kislla, an 1-year-old, 22 kg, female Pit Bull, was treated with one vial of FRONTLINE SPOT-ON DOGS L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the

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		Pregnant **Age:** 1.00 Year(s) **Weight:** 22 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					reporter, 45 days ago approximately (date presumed 3 Dec 2018), for tick control. Lack of efficacy suspected because the owner has discovered ticks on Kislla since 13 Jan 2018. Tick-borne disease was also suspected. There is no information regarding use of FRONTLINE in the past, environment treated. 2 other dogs of the same household that are also on FL were not infested by ticks. No further information is available. UPDATE 18 JAN 2018 - Kislla, intact, was pregnant when FL was applied to her. Tick-borne disease suspected by the veterinarian because Kislla was presenting with some 'red spots' on her belly. There is no further information expected.
17-Jan-2018	UAE; 18BR000649; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 3.6 kg	3	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Peobaldo, a 6-month-old, 3.6 kg, male mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 6 days ago (date presumed 11 Jan 2018), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation prior to FL, environment treated. There is no information regarding use of FRONTLINE in the past. There are 2 dogs in the same household that are also on FRONTLINE, but they are not infested by fleas. No further information is available.
18-Jan-2018	UAE; 18BR000650; RJ; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 50 kg	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	16-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kaya, a 3-year-old, 50 kg, female Rottweiler, was treated with one vial of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 15 Jan 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation prior to FL, environment treated with Butox (MSD Lab.). FRONTLINE has been applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jan 2017 chosen at random). There is one other dog in the same household that is also on FRONTLINE, but not infested by ticks anymore. No further information is available.
16-Jan-2018	UAE; 18BR000654; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	13-Jan-2018	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment received FRONTLINE (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by the reporter on 11 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas since 13 Jan 2018. This is the extent of the information available.
17-Jan-2018	UAE; 18BR000656; RJ; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other	27-Dec-2017	28-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Frida, a female dog (unknown breed) of 1 year old and 15 kg, received, for the first time, one vial of FRONTLINE PLUS (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by the reporter on 27 Dec 2017, for flea/tikc control. Lack of efficacy is suspected because the pet has ticks. It is unknown if the surrounding environment has been treated. This

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		Age: 1.00 Year(s) **Weight:** 15 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					is the extent of the information available. UPDATE 19 JAN 2018 - The owner was contacted and he reported that Frida, a crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL), topic, base of skull and btw the shoulder blades. The owner mentioned has removed 2-3 ticks from Frida every day, that did not happen when another company's product was applied to his dog. Environment not treated, daily outdoor access. No further information is available.
17-Jan-2018	UAE; 18BR000657; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	17-Jan-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of dogs received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working because the product was 'better'in the past against fleas and ticks. This is the extent of the information available.
17-Jan-2018	UAE; 18BR000661; SP; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 44 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Nov-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of dogs of unknown signalment received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working because she continues to see fleas and ticks on her pet. This is the extent of the information available. UPDATE 26 JAN 2018 - The pet owner reported that 2 Pinschers of unknown signalment were treated with FRONTLINE PLUS DOG L (lot and exp unknown), by the reporter, 2 months ago approximately (date presumed 26 Nov 2017), for tick treatment. Lack of efficacy suspected because the dogs continued to have ticks. Other details were not provided. FRONTLINE SPRAY was also applied to the dogs (see 18BR000936). This is the extent of the information available. UPDATE 29 JAN 2018 - The pet owner was contacted and she reported that Nero, a 5-year-old, 44 kg, male Pit Bull, was treated with one vial of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 28 Nov 2017, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation one day prior to FL, environmental conditions unknown. It is unknown if FRONTLINE was applied to Nero in the past. 3 other dogs of the same household that are also on FRONTLINE were reported on 18BR000936, 18BR001002 and 18BR001003. No further information is available.
18-Jan-2018	UAE; 18BR000664; SP; Brazil	**Species:** Canine **Breed:** West Highland White **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	N/A	05-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a female West Highland White of 11 years old and 7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 20 days ago (29 Dec 2017 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL was applied in the past. Another SLOE was reported on 18BR000665. No further

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						Cutaneous **Was the product used ok?:** Yes					information is expected.
18-Jan-2018	UAE; 18BR000666; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 1.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Dino, 01 year old, 1.2 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 16 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 06 cats in this household with similar problem (see case 18BR000667 to 18BR000672). No further information available.
18-Jan-2018	UAE; 18BR000667; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 01 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Nicolas, 05 years old, 01 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 16 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 06 cats in this household with similar problem (see case 18BR000666 and 18BR000668 to 18BR000672). No further information available.
18-Jan-2018	UAE; 18BR000668; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 01 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, July, 05 years old, 01 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 16 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 06 cats in this household with similar problem (see case 18BR000666, 18BR000667 and 18BR000669 to 18BR000672). No further information available.
18-Jan-2018	UAE; 18BR000669; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 1.1 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	18-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Jagua, 01 year old, 1.1 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 16 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 06 cats in this household with similar problem (see case 18BR000666 to 18BR000668 and 18BR000670 to 18BR000672). No further information available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
18-Jan-2018	UAE; 18BR000670; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 1.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Anatinha, 01 year old, 01 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 16 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 06 cats in this household with similar problem (see case 18BR000666 to 18BR000669, 18BR000671 and 18BR000672). No further information available.
18-Jan-2018	UAE; 18BR000671; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 01 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Margo, 01 year old, 01 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 16 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 06 cats in this household with similar problem (see case 18BR000666 to 18BR000670 and 18BR000672). No further information available.
18-Jan-2018	UAE; 18BR000672; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 01 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Oliver, 02 years old, 01 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 16 Jan, 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior (16 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 06 cats in this household with similar problem (see case 18BR000666 to 18BR000671). No further information available.
18-Jan-2018	UAE; 18BR000673; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Jan-2018*	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Suzy, an 1-year-old, 3.5 kg, female Pinscher, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (020/16, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 31 Dec 2017, for flea treatment. All fleas were gone, however lack of efficacy is suspected because the dog is currently infested by fleas again. Flea infestation 2 months prior to FL, environment not treated. There is no information regarding exposure to FRONTLINE in the past. 2 other dogs of the same household that are also on FL were reported on 18BR000674 and 18BR000675. No further information is available.
18-Jan-2018	UAE; 18BR000674; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20	1	1	0	**Product used:** FIPRONIL SPOT ON DOG	N/A	18-Jan-2018*	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a 6-year-old, 10 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (020/16, exp

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		Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 10 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 31 Dec 2017, for flea treatment. All fleas were gone, however lack of efficacy is suspected because the dog is currently infested by fleas again. Flea infestation 2 months prior to FL, environment not treated. There is no information regarding exposure to FRONTLINE in the past. 2 other dogs of the same household that are also on FL were reported on 18BR000673 and 18BR000675. No further information is available.
18-Jan-2018	UAE; 18BR000675; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Jan-2018*	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chiquinha, a 12-year-old, 10 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (020/16, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 31 Dec 2017, for flea treatment. All fleas were gone, however lack of efficacy is suspected because the dog is currently infested by fleas again. Flea infestation 2 months prior to FL, environment not treated. There is no information regarding exposure to FRONTLINE in the past. 2 other dogs of the same household that are also on FL were reported on 18BR000673 and 18BR000674. No further information is available.
18-Jan-2018	UAE; 18BR000676; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lili, a 9-year-old, 6 kg, female Siamese cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 9 Jan 2018, for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation 20 days prior to FL, environment treated with Cypermeit. 2 other pets of the same household that are also on FRONTLINE were reported on 18BR000677 and 18BR000678. No further information is available.
18-Jan-2018	UAE; 18BR000677; SP; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Toddy, a 2-year-old, 9 kg, male Dachshund, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 9 Jan 2018, for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation 20 days prior to FL, environment treated with Cypermeit. 2 other pets of the same household that are also on FRONTLINE were reported on 18BR000676 and 18BR000678. No further information is available.
18-Jan-2018	UAE; 18BR000678; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.50 Year(s) **Weight:** 2.6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kate, a 6.5-year-old, 2.6 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 9 Jan 2018, for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation 20 days prior to FL, environment treated with Cypermeit. 2 other pets of the same household that are also on FRONTLINE were reported on 18BR000676 and 18BR000677. No further information is available.
18-Jan-2018	UAE; 18BR000680;	**Species:** Canine **Breed:** Medium	1	1	0	**Product used:** FIPRONIL	N/A	14-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Thor, 02 years old, 15 to 20 kilogram, canine, male, Mixed Breed,

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	MG; Brazil	crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 15 - 20 kg				SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 002/16 and exp date JAN 2018, topically, in the whole body), applied by the reporter on 31 Dec 2017 for flea treatment. The owner complained about the lack of efficacy of FL because 03 days ago (14 Jan 2018 - estimated date), initially, she saw 01 to 03 fleas but on17 Jan 2018 she saw many fleas and flea feces in her animal. According to the owner, animal already had fleas (date not estimated). The owner also complained about the lack of efficacy of FRONTLINE® in pipettes that she used in the past (see case 18BR000681).The environment is treated with K-OTHRINE® every 06 months. There is no further information expected.
18-Jan-2018	UAE; 18BR000681; MG; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 15 - 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Jun-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Thor, 02 years old, 15 to 20 kilogram, canine, male, Mixed Breed, received a pipette of FRONTLINE® (FL) (lot, exp date, route and site of administration, unknown), applied by the reporter on an unspecified date (01 Jun 2017 – date chosen at random) for an unknown reason. The owner complained about the lack of efficacy of FL because she does not had the expected results (15 Jun 2017 - estimated date). The owner also complained about the lack of efficacy of FRONTLINE SPRAY (see case 18BR000680). The environment is treated with K-OTHRINE® every 06 months. There is no further information expected.
19-Jan-2018	UAE; 18BR000682; SP; Brazil	**Species:** Canine **Breed:** Pug **Sex:** F **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 13 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tarsila, a female Pug of 2.5 years old and 13 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 8 Jan 2018, for flea treatment. Flea infestation some days prior to FL. Lack of efficacy is suspected because the pet remains with fleas . In addition, the pet is scratching herself (due to fleas). The surrounding environment has not been treated and it is unknown if Fl has previously been applied. There is another dog in this household with the same issue (See case 18BR000683). No further information is expected.
19-Jan-2018	UAE; 18BR000683; SP; Brazil	**Species:** Canine **Breed:** Pug **Sex:** F **Sex qualifier:** Unknown **Age:** 4.50 Year(s) **Weight:** 9.7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maria Clara, a female Pug of 4.5 years old and 9.7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 8 Aug 2018, for flea treatment. Flea infestation some days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. In addition, the pet is scratching herself (due to fleas). The surrounding environment has not been treated and it is unknown if Fl has previously been applied. There is another dog in this household with the same issue (See case 18BR000682). No further information is expected.
17-Jan-2018	UAE; 18BR000684; SE; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other	26-Nov-2017	01-Dec-2017*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Pandora, a female mixed breed cat of 500 g and approximately 3 months old, for the first time, with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, parts of the body), administered by the reporter on 26 Nov 2017, for flea treatment.

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		Unknown **Age:** 3.00 Month(s) **Weight:** 500 gms				products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					Lack of efficacy is suspected because the cat remains with fleas. Similar cases were reported on 18BR000742 and 18BR000743. The owner also complained about the lack of efficacy of FL PLUS CATS (See cases 18BR000685, 18BR000744 and 18BR000745). This is the extent of the information available.
17-Jan-2018	UAE; 18BR000685; SE; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 500 gms	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	28-Dec-2017	01-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Pandora, a female mixed breed cat of 500 g and approximately 3 months old, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (002/17, Jan 2019, topical, neck and parts of the body - incorrect application), administered by the reporter on 28 Dec 2017, for flea treatment. Lack of efficacy is suspected because the cat remains with fleas. Similar cases were reported on 18BR000744 and 18BR000745. The owner also complained about the lack of efficacy of FL SPRAY (See cases 18BR000684, 18BR000742 and 18BR000743). This is the extent of the information available.
19-Jan-2018	UAE; 18BR000687; MT; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dolly Maria, a female Pinscher of 12 years old and 2 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 6 Jan 2018, for tick treatment. Tick infestation 20 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
19-Jan-2018	UAE; 18BR000688; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Belinha, a female small crossbred dog of 10 years old and 2 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 15 days ago (4 Jan 2018 - estimated date), for flea treatment. Flea infestation 20 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another dog in this household that was not treated with FL and it has no ectoparasite. No further information is expected.
19-Jan-2018	UAE; 18BR000691; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products**	N/A	19-Jan-2018*	5 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Veber, a male mixed breed cat of 1 year old and 5 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 15 Dec 2017, for flea treatment. Flea infestation around 1 month prior to FL. Lack of efficacy is suspected because the pet

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		Unknown **Age:** 1.00 Year(s) **Weight:** 5 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied . Similar cases were reported on 18BR000692 and 18BR000693. No further information is expected.
19-Jan-2018	UAE; 18BR000692; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	5 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Zé, a male mixed breed cat of 4 years old and 4 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 15 Dec 2017, for flea treatment. Flea infestation around 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied . Similar cases were reported on 18BR000691 and 18BR000693. No further information is expected.
19-Jan-2018	UAE; 18BR000693; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	5 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mario, a male mixed breed cat of 4 months old and 3 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 15 Dec 2017, for flea treatment. Flea infestation around 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied . Similar cases were reported on 18BR000691 and 18BR000692. No further information is expected.
19-Jan-2018	UAE; 18BR000694; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	17-Jan-2018	18-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nike, a 2-year-old, 10 kg, male Persian, was treated with one vial of FRONTLINE PLUS CATS (FL) (005/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for the first time, on 17 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Environment treated with Butox (MSD Lab.). One other cat of the same household that is also on FL was reported on 18BR000695. No further information is available.
19-Jan-2018	UAE; 18BR000695; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical /	17-Jan-2018	18-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a 5-year-old, 10 kg, female Persian, was treated with one vial of FRONTLINE PLUS CATS (FL) (005/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for the first time, on 17 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Environment treated with Butox (MSD Lab.). One other cat of the same household that is also on FL was reported on 18BR000694. No further information is available.

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						Cutaneous **Was the product used ok?:** Yes					
18-Jan-2018	UAE; 18BR000698; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	18-Jan-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of cats of unknown signalment received FRONTLINE (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). The onwer believes that FL is not working. No ectoparasites were reported. This is the extent of the information available.
19-Jan-2018	UAE; 18BR000707; MG; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, João, a 7-month-old, 5.5 kg, male Shih Tzu, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Environment treated. There is no information regarding use of FRONTLINE in the past. Other dog of the same household that is also on FRONTLINE was reported on 18BR000708. No further information is available.
19-Jan-2018	UAE; 18BR000710; SP; Brazil	**Species:** Canine **Breed:** Shar Pei **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	13-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Duquesa, 04 years old, 25 kilogram, canine, female, Shar pei, received 01 pipette of FRONTLINE PLUS DOG L (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 12 Dec, 2017. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. She said that she already had a problem with FL in the past (01 Jan 2017 – date chosen at random) but didn´t report. According to the owner, animal already had parasites 01 week prior (05 Dec 2017 – estimated date) to treatment. The environment has been treated but the owner couldn´t inform thename of the product. No further information available.
19-Jan-2018	UAE; 18BR000711; RS; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Mima, 12 years old, 06 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG M (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 15 Jan 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had parasites 20 days prior (26 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There is also another 03 dogs in the same household with similar problem (see cases 18BR000712 to 18BR000714). No further information available.

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19-Jan-2018	UAE; 18BR000712; RS; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Tosse, 12 years old, 15 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG M (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 15 Jan 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had parasites 20 days prior (26 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There is also another 03 dogs in the same household with similar problem (see cases 18BR000711, 18BR000713 and 18BR000714). No further information available.
19-Jan-2018	UAE; 18BR000713; RS; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 10.000 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Alie, 02 years old, 10 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 15 Jan 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had parasites 20 days prior (26 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There is also another 03 dogs in the same household with similar problem (see cases 18BR000711, 18BR000712 and 18BR000714). No further information available.
19-Jan-2018	UAE; 18BR000714; RS; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Frango, 11 years old, 10 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 15 Jan 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had parasites 20 days prior (26 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There is also another 03 dogs in the same household with similar problem (see cases 18BR000711 to 18BR000713). No further information available.
19-Jan-2018	UAE; 18BR000716; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 11 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a female Poodle of 10 years old and 11 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 17 Jan 2018, for flea treatment. Flea infestation around 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied . No further information is expected.
19-Jan-2018	UAE; 18BR000718; SP; Brazil	**Species:** Canine **Breed:** Basset	1	1	0	**Product used:** FIPRONIL SPRAY	N/A	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Soares, 1.5 years old, 20 kilogram, canine, male, Basset Hound, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot and exp

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		Hound **Sex:** M **Sex qualifier:** Unknown **Age:** 1.50 Year(s) **Weight:** 20 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					date unknown, topically, in the whole body), applied by the reporter on 14 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior to treatment (14 Dec 2017 -estimated date). The environment has been treated with BUTOX ®. There are also another 05 cats in the same household with similar problem (see case 18BR000719 to 18BR000723).There is no further information available.
19-Jan-2018	UAE; 18BR000719; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Dreza, 04 years old, 04 kilogram, feline, female, Siamese, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot and exp date unknown, topically, in the whole body), applied by the reporter on 14 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior to treatment (14 Dec 2017 -estimated date). The environment has been treated with BUTOX ®. There are also another 04 cats and 01 dog in the same household with similar problem (see case 18BR000718 and 18BR000720 to 18BR000723).There is no further information available.
19-Jan-2018	UAE; 18BR000720; SP; Brazil	**Species:** Feline **Breed:** Feline Other **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Marley, 03 years old, 06 kilogram, feline, male, Feline (other races), received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot and exp date unknown, topically, in the whole body), applied by the reporter on 14 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior to treatment (14 Dec 2017 -estimated date). The environment has been treated with BUTOX ®. There are also another 04 cats and 01 dog in the same household with similar problem (see case 18BR000718, 18BR000719, and 18BR000721 to 18BR000723).There is no further information available.
19-Jan-2018	UAE; 18BR000721; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Vion, 03 years old, 3.5 kilogram, feline, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot and exp date unknown, topically, in the whole body), applied by the reporter on 14 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior to treatment (14 Dec 2017 -estimated date). The environment has been treated with BUTOX ®. There are also another 04 cats and 01 dog in the same household with similar problem (see case 18BR000718 to 18BR000720, 18BR000722, and 18BR000723).There is no further information available.
19-Jan-2018	UAE; 18BR000722; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Boe, 02 years old, 5.5 kilogram, feline, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot and exp date unknown, topically, in the whole body), applied by the reporter on 14 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior to treatment (14 Dec 2017 -estimated date). The environment has been treated with BUTOX ®. There are also another 04 cats and 01 dog in the same household with similar

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						ok?: Yes					problem (see case 18BR000718 to 18BR000721 and 18BR000723).There is no further information available.
19-Jan-2018	UAE; 18BR000723; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Luna, 03 years old, 3.5 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot and exp date unknown, topically, in the whole body), applied by the reporter on 14 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 01 month prior to treatment (14 Dec 2017 -estimated date). The environment has been treated with BUTOX ®. There are also another 04 cats and 01 dog in the same household with similar problem (see case 18BR000718 to 18BR000722).There is no further information available.
19-Jan-2018	UAE; 18BR000724; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	19-Jan-2018*	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of dogs of unknown signalment FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working. No ectoparasites were reported. This is the extent of the information available.
19-Jan-2018	UAE; 18BR000725; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Perola, a female Shih Tzu of 2 years old and 3.2 kg, received one vial of FRONTLINE PLUS DOG S (FL) (023/15 and unknown exp date, topical, btw the shoulder blades), applied by the reporter 15 days ago (4 Jan 2018 - estimated date), for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (See case 18BR000726). No further information is expected.
19-Jan-2018	UAE; 18BR000726; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3.4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sofia, a female Shih Tzu of 2 years old and 3.4 kg, received one vial of FRONTLINE PLUS DOG S (FL) (023/15 and unknown exp date, topical, btw the shoulder blades), applied by the reporter 15 days ago (4 Jan 2018 - estimated date), for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (See case 18BR000725). No further information is expected.
19-Jan-2018	UAE; 18BR000736; SC; Brazil	**Species:** Feline **Breed:** Persian (No Further	1	1	0	**Product used:** FIPRONIL SPRAY	27-Dec-2017*	19-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Megui, a female Persian of 14 months old and 2 kg, received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical,

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		Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Month(s) **Weight:** 2 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					btw the shoulder bladeds - incorrect application), applied by the reporter on 17 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL was applied once a week. The first application was around 27 Dec 2017 - estimated date. Similar cases were reported on 18BR000737 and 18BR000738. No further information is expected.
19-Jan-2018	UAE; 18BR000737; SC; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 21.00 Day(s) **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	27-Dec-2017*	19-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 female Persian of 21 days old and unknown weight, received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical, btw the shoulder bladeds - incorrect application), applied by the reporter on 17 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL was applied once a week. The first application was around 27 Dec 2017 - estimated date. Similar cases were reported on 18BR000736 and 18BR000738. No further information is expected.
19-Jan-2018	UAE; 18BR000738; SC; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 21.00 Day(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	27-Dec-2017*	19-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 1 male Persian of 21 days old and unknown weight, received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical, btw the shoulder bladeds - incorrect application), applied by the reporter on 17 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL was applied once a week. The first application was around 27 Dec 2017 - estimated date. Similar cases were reported on 18BR000736 and 18BR000737. No further information is expected.
17-Jan-2018	UAE; 18BR000742; SE; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 500 gms	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not	26-Nov-2017	05-Dec-2017*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Soneca, a male mixed breed cat of 500 g and approximately 3 months old, for the first time, with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, parts of the body), administered by the reporter on 26 Nov 2017, for flea treatment. Lack of efficacy is suspected because the cat remains with fleas . Similar cases were reported on 18BR000684 and 18BR000743. The owner also complained about the lack of efficacy of FL PLUS CATS (See cases 18BR000685, 18BR000744 and 18BR000745). This is the extent of the information available.

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						respected)					
17-Jan-2018	UAE; 18BR000743; SE; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 500 gms	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	26-Nov-2017	19-Jan-2018*	7 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Salém, a male mixed breed cat of 500 g and approximately 3 months old, for the first time, with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, parts of the body), administered by the reporter on 26 Nov 2017, for flea treatment. Lack of efficacy is suspected because the cat remains with fleas. Similar cases were reported on 18BR000684 and 18BR000742. The owner also complained about the lack of efficacy of FL PLUS CATS (See cases 18BR000685, 18BR000744 and 18BR000745). This is the extent of the information available.
17-Jan-2018	UAE; 18BR000744; SE; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 500 gms	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	28-Dec-2017	01-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Soneca, a male mixed breed cat of 500 g and approximately 3 months old, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (002/17, Jan 2019, topical, neck and parts of the body - incorrect application), administered by the reporter on 28 Dec 2017, for flea treatment. Lack of efficacy is suspected because the cat remains with fleas. Similar cases were reported on 18BR000685 and 18BR000745. The owner also complained about the lack of efficacy of FL SPRAY (See cases 18BR000684, 18BR000742 and 18BR000743). This is the extent of the information available.
17-Jan-2018	UAE; 18BR000745; SE; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 500 gms	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	28-Dec-2017	05-Jan-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Salém, a male mixed breed cat of 500 g and approximately 3 months old, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (002/17, Jan 2019, topical, neck and parts of the body - incorrect application), administered by the reporter on 28 Dec 2017, for flea treatment. Lack of efficacy is suspected because the cat remains with fleas. Similar cases were reported on 18BR000685 and 18BR000744. The owner also complained about the lack of efficacy of FL SPRAY (See cases 18BR000684, 18BR000742 and 18BR000743). This is the extent of the information available.
22-Jan-2018	UAE; 18BR000746; RS; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	01-Jan-2017*	16-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Cusco, 08 years old, 17 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG M (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied on 15 Dec 2017. The owner complained about

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		Sex qualifier: Unknown **Age:** 8.00 Year(s) **Weight:** 17 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					the lack of efficacy of FL because she continues to see fleas and the numbers increased in her animal. According to the owner, animal already had fleas 01 week prior (08 Dec 2017 – estimated date) to treatment. The environment has been treated. No further information available. UPDATE 23 JAN 2018 - The owner was contacted and reported that FL has been applied every 3 months, for flea/tick control. In addition, the pet is scratching himself due to fleas. No further information is expected.
22-Jan-2018	UAE; 18BR000748; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Dec-2017	12-Jan-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Moana, a female Shih Tzu of 1 year old and 4 kg, received, for the first time, one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2017, for tick control. Lack of efficacy is suspected because the pet has ticks. In addition, around 12 Jan 2018, the pet started experiencing appetite loss, weakness and lethargy. On 19 Jan 2018, the dog was not eating and she was worse. One day later, Moana seemed to have a warmer body temperature. She was taken to the vet and was diagnosed with a tick-borne disease by CBC test (leucopenia, lymphopenia, eosinophilia, thrombocytopenia). The surrounding environment has not been treated. She remains under treatment with doxycyclin, dipyrone, Predsin®, Glicopan®, Gaviz® and NEXGARD®. No further information is available.
22-Jan-2018	UAE; 18BR000753; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Jan-2018*	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Butuca, a male Maltese of 10 years old and 4.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 4 Jan 2018, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR000754). No further information is expected.
22-Jan-2018	UAE; 18BR000754; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Jan-2018*	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Catarina, a female Maltese of 9 years old and 8 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 4 Jan 2018, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR000753). No further information is expected.
22-Jan-2018	UAE; 18BR000761; PR; Brazil	**Species:** Canine **Breed:** Terrier (Jack Russell) **Sex:** F **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products	N/A	22-Jan-2018*	2 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, July, 03 years old, 6.4 kilogram, canine, female, Jack Russel, received 01 pipette of FRONTLINE SPOT-ON DOG S (FL) (lot 008/16 and expiry date unknown, topically, between the shoulder blades) for flea and tick treatment, applied on 20 Jan 2018. The owner complained about the lack of efficacy of FL because she continues

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 3.00 Year(s) **Weight:** 6.4 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					to see parasites in her animal. According to the owner, animal already had parasites 01 week prior (13 Jan 2018 – estimated date) to treatment. The environment has been treated with PULGOX®. No further information available.
22-Jan-2018	UAE; 18BR000763; RJ; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Balu, 14 years old, 25 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG L (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied 15 days ago (07 Jan 2018 – estimated date). The owner complained about the lack of efficacy of FL because she does not believe that fleas are getting killed by FL. According to the owner, animal already had parasites 02 months prior (07 Nov 2017 – estimated date) to treatment. The environment has not been treated. There are another dog and a cat in the same household with similar problem (see cases 18BR000764 and 18BR000765). The owner said that she has 03 lot numbers (007/16, 004/16 and 003/16) one for each product used in her animals but she can´t specify which one belongs to which product. No further information available.
22-Jan-2018	UAE; 18BR000764; RJ; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Amora, 02 years old, 15 kilogram, canine, female, Mixed Breed dog, received 01 pipette of FRONTLINE PLUS DOG M (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied 15 days ago (07 Jan 2018 – estimated date). The owner complained about the lack of efficacy of FL because she does not believe that fleas are getting killed by FL. According to the owner, animal already had parasites 02 months prior (07 Nov 2017 – estimated date) to treatment. The environment has not been treated. There are another dog and a cat in the same household with similar problem (see cases 18BR000763 and 18BR000765). The owner said that she has 03 lot numbers (007/16, 004/16 and 003/16) one for each product used in her animals but she can´t specify which one belongs to which product. No further information available.
22-Jan-2018	UAE; 18BR000765; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Perola, 02 years old, 05 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) for flea treatment, applied 15 days ago (07 Jan 2018 – estimated date). The owner complained about the lack of efficacy of FL because she does not believe that fleas are getting killed by FL. According to the owner, animal already had parasites 02 months prior (07 Nov 2017 – estimated date) to treatment. The environment has not been treated. There are another dog and a cat in the same household with similar problem (see cases 18BR000763 and 18BR000764). The owner said that she has 03 lot numbers (007/16, 004/16 and 003/16) one for each product used in her animals but she can´t specify which one belongs to which product. No further information available.
22-Jan-2018	UAE; 18BR000767; -; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other	13-Jan-2018	22-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chibita, a female small crossbred dog of 2 months old and 1.5 kg, received FRONTLINE SPRAY (FL) (002/16, unknown exp date, topical, whole body), applied by the reporter on 22 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy

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		Sex qualifier: Unknown **Age:** 2.00 Month(s) **Weight:** 1.5 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					is suspected because the pet remains with fleas. The surrounding environment was treated with fipronil and FL was also applied on 13 Jan 2018, 16 Jan 2018 and 19 Jan 2018. Similar cases were reported on 18BR000768, 18BR000769 and 18BR000770. No further information is expected.
22-Jan-2018	UAE; 18BR000768; -; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	13-Jan-2018	22-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Peleka, a female small crossbred dog of 2 months old and 1.5 kg, received FRONTLINE SPRAY (FL) (002/16, unknown exp date, topical, whole body), applied by the reporter on 22 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment was treated with fipronil and FL was also applied on 13 Jan 2018, 16 Jan 2018 and 19 Jan 2018. Similar cases were reported on 18BR000767, 18BR000769 and 18BR000770. No further information is expected.
22-Jan-2018	UAE; 18BR000769; -; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	13-Jan-2018	22-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bezinho, a male Pinscher of 15 years old and 4 kg, received FRONTLINE SPRAY (FL) (002/16, unknown exp date, topical, whole body), applied by the reporter on 22 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment was treated with fipronil and FL was also applied on 13 Jan 2018, 16 Jan 2018 and 19 Jan 2018. Similar cases were reported on 18BR000767, 18BR000768 and 18BR000770. No further information is expected.
22-Jan-2018	UAE; 18BR000770; -; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	13-Jan-2018	22-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Valentina, a female small crossbred dog of 1 year old and 5 kg, received FRONTLINE SPRAY (FL) (002/16, unknown exp date, topical, whole body), applied by the reporter on 22 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment was treated with fipronil and FL was also applied on 13 Jan 2018, 16 Jan 2018 and 19 Jan 2018. Similar cases were reported on 18BR000767, 18BR000768 and 18BR000769. No further information is expected.
22-Jan-2018	UAE; 18BR000772; GO; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Stone, a male large crossbred dog of 12 years old and 25 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Jan 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with cypermethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000773 and 18BR000774. No further information is expected.
22-Jan-2018	UAE; 18BR000773;	**Species:** Canine **Breed:** Medium	1	1	0	**Product used:** FIPRONIL	N/A	22-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Antonio Bandeiras, a male medium crossbred dog of 5 years old

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	GO; Brazil	crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 17 kg				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					and 17 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Jan 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with cypermethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000772 and 18BR000774. No further information is expected.
22-Jan-2018	UAE; 18BR000774; GO; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 4.9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Francisco, a male small crossbred dog of 7 years old and 4.9 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Jan 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with cypermethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000772 and 18BR000773. No further information is expected.
22-Jan-2018	UAE; 18BR000776; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Dec-2017*	19-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Mel a female small crossbred dog of 3 years old and 5.8 kg, received, for the second time, one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 19 Jan 2018. The pet was in good health prior to FL and has no history of adverse reactions. Some hours following product application, the pet presented with agitation and scared. The owner noticed that Mel started presenting reddening of the skin for all the body. The vet was contacted by phone and he recommended that the application site should be washed and Polaramine® should be given. The pet recovered around 1 hour later. FL was applied in the past with no issue. No further information is available.
22-Jan-2018	UAE; 18BR000777; MG; Brazil	**Species:** Canine **Breed:** Shar Pei **Sex:** U **Sex qualifier:** Unknown **Age:** 45.00 Day(s) **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	22-Jan-2018*	6 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 3 Shar-Pei puppies of 45 days and unknown weight, received FRONTLINE SPRAY (FL) (009/16, unknown exp date, topical, btw the shoulder blades - incorrect application), applied by the reporter on 5 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar case was reported on 18BR000778. No further information is expected.
22-Jan-2018	UAE; 18BR000778; MG; Brazil	**Species:** Canine **Breed:** Pekingese **Sex:** U	2	2	0	**Product used:** FIPRONIL SPRAY	N/A	22-Jan-2018*	6 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 Pekingese puppies of 45 days and unknown weight, received FRONTLINE SPRAY (FL) (009/16, unknown exp date, topical, btw

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		Sex qualifier: Unknown **Age:** 45.00 Day(s) **Weight:** Unknown				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					the shoulder blades - incorrect application), applied by the reporter on 5 Dec 2017, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar case was reported on 18BR000777. No further information is expected.
18-Jan-2018	UAE; 18BR000779; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Thor, a male medium crossbred dog of 5 years old and 15 kg, received one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and and exp date are unknown, topical, btw the shoulder blades), applied by the veterinarian on 30 Dec 2017, for flea treament. Flea infestation some days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Another dog was reported on 18BR000823. No further information is expected.
19-Jan-2018	UAE; 18BR000780; SE; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	8	8	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2018*	22-Jan-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of dogs of unknown signalment received FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working because she noticed some live fleas on her dogs. In addition, the dogs were scratching themselves (due to fleas). This is the extent of the information available.
20-Jan-2018	UAE; 18BR000784; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	20-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of dogs of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working anymore (details are unknown). No ectoparasites were reported. This is the extent of the information available.
21-Jan-2018	UAE; 18BR000786; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous	01-Jan-2017*	01-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of cats of unknown signalment, received FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working because her cats remains with live fleas. FL was applied in the past, but the date was not specified (1 Dec 2017 - chosen at random). This is the extent of the information available.

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		Year(s) **Weight:** 3 kg				**Was the product used ok?:** Yes					UPDATE 26 JAN 2018 – The pet owner was contacted and she reported that Jubileu, an 18-year-old, 3 kg, male mixed breeds cat, has been treated with unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Environment not treated. Flea infestation prior to FL, the cat is always infested. FL was applied in the past, but dose frequency is unknown and first application on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000946 to 18BR000957. No further information is avaialble.
19-Jan-2018	UAE; 18BR000787; -; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	19-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one medium dog of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person around one week ago (12 Jan 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. Another dog was reported on 18BR000788. No further information is expected.
19-Jan-2018	UAE; 18BR000788; -; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	19-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one large dog of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person around one week ago (12 Jan 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. Another dog was reported on 18BR000787. No further information is expected.
22-Jan-2018	UAE; 18BR000800; SP; Brazil	**Species:** Canine **Breed:** Schnauzer **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	10-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a 9-year-old, 10 kg, female Schnauzer, was treated with unknown dose of FRONTLINE SPRAY (FL) (009/16, exp unknown), topic, whole body, by the reporter, on 10 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, daily outdoor access, environment not treated. FL was applied in the past with no issues (dose frequency unknown, first application on date not specified – 1 Jan 2016 chosen at random). No further information is available.
22-Jan-2018	UAE; 18BR000801; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other	N/A	21-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Melissa, a 2-year-old, 4 kg, female Lhasa Apso, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (032/15, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Dec 2017, for flea treatment. Lack of efficacy

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		Unknown **Age:** 2.00 Year(s) **Weight:** 4 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					suspected because the dog continued to have fleas. Flea infestation 2 days prior to FL, environment treated with Butox. There is no information regarding use of FRONTLINE in the past. There is one other dog in the same household that was not treated. No further information is available.
23-Jan-2018	UAE; 18BR000806; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Jan-2018*	5 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, a female medium crossbred dog of 3 years old and 12 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 40 days ago (13 Dec 2017 - estimated date), for flea treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
23-Jan-2018	UAE; 18BR000809; RJ; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Month(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Feb-2017*	03-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ana Beatriz, an 11-month-old, 20 kg, female Labrador Retriever, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 2 Jan 2018, for tick treatment. The amount of ticks decreased post product application and no ticks were found for 1 week. However lack of efficacy is suspected because the owner discovered 5 live ticks on her dog yesterday (22 Jan 2018). Tick infestation one month prior to FL, environment treated with Triatox. FRONTLINE was applied in the past with no issues (last application near one year ago – 1 Feb 2017 chosen at random). 2 other dogs of the same household that are also on FL were reported on 18BR000810 and 18BR000811. No further information is available.
23-Jan-2018	UAE; 18BR000810; RJ; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 40 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Feb-2017*	03-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ana Clara, a 4-year-old, 40 kg, female Labrador Retriever, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 2 Jan 2018, for tick treatment. The amount of ticks decreased post product application and no ticks were found for 1 week. However lack of efficacy is suspected because the owner discovered 5 live ticks on her dog yesterday (22 Jan 2018). Tick infestation one month prior to FL, environment treated with Triatox. FRONTLINE was applied in the past with no issues (last application near one year ago – 1 Feb 2017 chosen at random). 2 other dogs of the same household that are also on FL were reported on 18BR000809 and 18BR000811. No further information is available.
23-Jan-2018	UAE; 18BR000811; RJ; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	01-Feb-2017*	03-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Laila, a 7-year-old, 30 kg, female Labrador Retriever, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 2 Jan 2018, for tick treatment. The amount of ticks decreased post product application and no ticks were found for 1 week. However lack of efficacy is suspected because the owner discovered 5 live ticks on her dog yesterday (22 Jan 2018). Tick infestation one month prior to FL, environment treated with Triatox. FRONTLINE was applied in the past with no issues (last

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						Was the product used ok?: Yes					application near one year ago – 1 Feb 2017 chosen at random). 2 other dogs of the same household that are also on FL were reported on 18BR000809 and 18BR000810. No further information is available.
23-Jan-2018	UAE; 18BR000812; SC; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Oct-2017*	23-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Puglinho, a male Poodle of 2 years old and 5 kg, was treated with FRONTLINE SPRAY (FL) (003/16, Feb 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 12 Jan 2018, for flea treatment. Flea infestation some days prior to FL. Lack of efficay is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL has been applied every month since 1 Oct 2017 (estimated date). Similar cases were reported on 18BR000813, 18BR000814, 18BR000815, 18BR000816, 18BR000817 and 18BR000818. No further information is expected.
23-Jan-2018	UAE; 18BR000813; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Oct-2017*	23-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Niu, a male mixed breed cat of 7 years old and 5 kg, was treated with FRONTLINE SPRAY (FL) (003/16, Feb 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 12 Jan 2018, for flea treatment. Flea infestation some days prior to FL. Lack of efficay is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL has been applied every month since 1 Oct 2017 (estimated date). Similar cases were reported on 18BR000812, 18BR000814, 18BR000815, 18BR000816, 18BR000817 and 18BR000818. No further information is expected.
23-Jan-2018	UAE; 18BR000814; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Oct-2017*	23-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kaki, a female mixed breed cat of 3 years old and 4 kg, was treated with FRONTLINE SPRAY (FL) (003/16, Feb 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 12 Jan 2018, for flea treatment. Flea infestation some days prior to FL. Lack of efficay is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL has been applied every month since 1 Oct 2017 (estimated date). Similar cases were reported on 18BR000812, 18BR000813, 18BR000815, 18BR000816, 18BR000817 and 18BR000818. No further information is expected.
23-Jan-2018	UAE; 18BR000815; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products	01-Oct-2017*	23-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Afonso, a male mixed breed cat of 2 years old and 5 kg, was treated with FRONTLINE SPRAY (FL) (003/16, Feb 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 12 Jan 2018, for flea treatment. Flea infestation some days prior to FL. Lack of efficay is suspected because the pet

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		Unknown **Age:** 2.00 Year(s) **Weight:** 5 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					remains with fleas. The surrounding environment has not been treated and FL has been applied every month since 1 Oct 2017 (estimated date). Similar cases were reported on 18BR000812, 18BR000813, 18BR000814, 18BR000816 and 18BR000818. No further information is expected.
23-Jan-2018	UAE; 18BR000816; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 17.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Oct-2017*	23-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Babu, a female mixed breed cat of 17 years old and 4 kg, was treated with FRONTLINE SPRAY (FL) (003/16, Feb 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 12 Jan 2018, for flea treatment. Flea infestation some days prior to FL. Lack of efficay is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL has been applied every month since 1 Oct 2017 (estimated date). Similar cases were reported on 18BR000812, 18BR000813, 18BR000814, 18BR000815, 18BR000817 and 18BR000818. No further information is expected.
23-Jan-2018	UAE; 18BR000817; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Oct-2017*	23-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Biubu, a male mixed breed cat of 1 year old and 6 kg, was treated with FRONTLINE SPRAY (FL) (003/16, Feb 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 12 Jan 2018, for flea treatment. Flea infestation some days prior to FL. Lack of efficay is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL has been applied every month since 1 Oct 2017 (estimated date). Similar cases were reported on 18BR000812, 18BR000813, 18BR000814, , 18BR000815, 18BR000816 and 18BR000818. No further information is expected.
23-Jan-2018	UAE; 18BR000818; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Oct-2017*	23-Jan-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Link, a male mixed breed cat of 2 years old and 5 kg, was treated with FRONTLINE SPRAY (FL) (003/16, Feb 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 12 Jan 2018, for flea treatment. Flea infestation some days prior to FL. Lack of efficay is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL has been applied every month since 1 Oct 2017 (estimated date). Similar cases were reported on 18BR000812, 18BR000813, 18BR000814, 18BR000815, 18BR000816 and 18BR000817. No further information is expected.

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23-Jan-2018	UAE; 18BR000820; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 21.00 Month(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Nov-2017*	19-Jan-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ninja, a male Shih Tzu of 21 months old and 9 kg, was treated with FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, back, tail and btw the shoulder blades - incorrect application), applied by the reporter on 22 Dec 2017, for flea control. Lack of efficay is suspected because the pet has fleas . The surrounding environment has been treated with an unknown product. FL was applied in the past with no issue (1 Nov 2017 - chosen at random). No further information is expected.
18-Jan-2018	UAE; 18BR000823; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Jan-2018*	24 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Snow, a male Border Collie of 7 months old and 15 kg, received one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and and exp date are unknown, topical, btw the shoulder blades), applied by the veterinarian on 30 Dec 2017, for flea treament. Flea infestation some days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Another dog was reported on 18BR000779. No further information is expected.
21-Jan-2018	UAE; 18BR000824; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one dog of 3 months old (other signalment is unknown), received FRONTLINE PLUS DOG (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). Lack of efficacy is suspected because the pet remains with fleas. In addition, the pet is scratching itself (due to fleas). This is the extent of the information available. UPDATE 07 Feb 2018 – The owner was contacted and provided more information. Baunilha. 04 months old,04 kilograms, canine, female. Mixed Breed, received 01 dose of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically between the shoulder blades), applied by the owner on 19 Jan 2018, for flea treatment. According to the owner Baunilha already came with fleas when she was adopted approximately 2 and a half months ago. The owner lives in a building and don´t treat the environment. No further information is available.
23-Jan-2018	UAE; 18BR000829; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 1.8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Jan-2018*	24 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Hanie, a female Yorkshire of 6 years old and 1.8 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 30 Dec 2017, for flea treatment. Flea infestation 20 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.

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22-Jan-2018	UAE; 18BR000831; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	22-Jan-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of dogs of unknown signalment received FRONTLINE (FL) (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Jan 2018 - chosen at random). The owner complained that FL is not working. No ectoparasites were reported. This is the extent of the information available.
20-Jan-2018	UAE; 18BR000832; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	20-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment received FRONTLINE (FL) (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Jan 2018 - chosen at random). The owner complained that FL is not working because she noticed some ticks on her pet. This is the extent of the information available.
20-Jan-2018	UAE; 18BR000833; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	20-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment received FRONTLINE (FL) (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Jan 2018 - chosen at random). The owner complained that FL is not working. No ectoparasites were reported. This is the extent of the information available.
23-Jan-2018	UAE; 18BR000839; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Jan-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Peto, a male mixed breed cat of 6 years old and 12 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 6 Jan 2018, for flea treatment. Flea infestation 3 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Another cat was reported on 18BR000840. No further information is expected.
23-Jan-2018	UAE; 18BR000840; SC; Brazil	**Species:** Feline **Breed:** Feline	1	1	0	**Product used:** FIPRONIL 10%/S	N/A	23-Jan-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lona, a female mixed breed cat of 6 years old and 6.5 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are

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		mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 6.5 kg				METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					unknown, topical, btw the shoulder blades), applied by the reporter on 6 Jan 2018, for flea treatment. Flea infestation 3 weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Another cat was reported on 18BR000839. No further information is expected.
23-Jan-2018	UAE; 18BR000844; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 8.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	06-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Kita, 03 years old, 8.5 Kilograms, female, canine, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 05 Jan 2018, for flea control. The owner complained about the lack of efficacy of FL because it was the second time she applied the product with no results. The first time date was not especified (01 Jan 2017 – date choosen atrandom.)The environment has not been treated. Other dogs pass near her gate´s house and she believes they might have fleas. No Further information is expected.
23-Jan-2018	UAE; 18BR000846; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Jul-2017*	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, one dog of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jul 2017 chosen at random). Following product application (time to onset not reported), the dog presented with 'allergy' and 'dandruff'. The owner also mentioned that his dog scratched for months following product application. This is the extent of the information available.
23-Jan-2018	UAE; 18BR000847; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	17-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Duggy, a 10-year-old, 10 kg, male Lhasa Apso, was treated with unknown dose of FRONTLINE SPRAY (FL) (004/16, expiration unknown), topic, neck and base of skull, by the reporter, on 17 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Environment treated. There is no information regarding use of FRONTLINE in the past. No further information is available.
23-Jan-2018	UAE; 18BR000849; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products**	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dadalhota, a 2-year-old, 1.5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter,

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		Sex: M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 1.5 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000850 to 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000850; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Boo, a 2-year-old, 1.5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849, and 18BR000851 to 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000851; PR; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pantufa, a 4-year-old, 1.5 kg, female Persian, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849, 18BR000850 and 18BR000852 to 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000852; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cora, an 8-month-old, 1.5 kg, female mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849 to 18BR000851, and 18BR000853 to 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000853; PR; Brazil	**Species:** Canine **Breed:** Pug **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Giacomo, an 8-year-old, 9 kg, male Pug, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849 to 18BR000852, and 18BR000854 to 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000854; PR; Brazil	**Species:** Canine **Breed:** Pug **Sex:** F	1	1	0	**Product used:** FIPRONIL SPOT ON DOG	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Gioconda, a 9-year-old, 8 kg, female Pug, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown),

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		Sex qualifier: Unknown **Age:** 9.00 Year(s) **Weight:** 8 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849 to 18BR000853, and 18BR000855 to 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000855; PR; Brazil	**Species:** Canine **Breed:** Pug **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Eugenia, a 4-year-old, 7 kg, female Pug, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849 to 18BR000854, and 18BR000856 to 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000856; PR; Brazil	**Species:** Canine **Breed:** French Bulldog **Sex:** F **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Michele, an 18-month-old, 12 kg, female French Bulldog, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849 to 18BR000855, and 18BR000857 to 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000857; PR; Brazil	**Species:** Canine **Breed:** Great Dane **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 55 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chiva, a 2-year-old, 55 kg, female Great Dane, was treated with one vial of FRONTLINE SPOT-ON DOGS XL (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849 to 18BR000856, and 18BR000858 to 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000858; PR; Brazil	**Species:** Canine **Breed:** Chinese Crested **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Brioche, a 4-year-old, 6 kg, female Chinese Crested, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849 to 18BR000857, 18BR000859 and 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000859;	**Species:** Canine **Breed:** Large	1	1	0	**Product used:** FIPRONIL SPOT	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jacinto, an 18-month-old, 48 kg, male crossbred dog, was treated

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	PR; Brazil	crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 48 kg				ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					with one vial of FRONTLINE SPOT-ON DOGS XL (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849 to 18BR000858 and 18BR000860. No further information is available.
23-Jan-2018	UAE; 18BR000860; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 11 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ieda, a 4-year-old, 11 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 19 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated with K-Othrine. 11 other pets of the same household that are also on FRONTLINE were reported on 18BR000849 to 18BR000859. No further information is available.
24-Jan-2018	UAE; 18BR000863; PR; Brazil	**Species:** Canine **Breed:** Shar Pei **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 27 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Jan-2018*	2 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Fiona, 09 years old, 27 Kilograms, female, canine, Sha Pei, received 01 pipette of FRONTLINE PLUS DOG L (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 10 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, animal already had fleas 01 week prior (03 Jan 2018 – estimated date) to treatment. The environment has been treated but the owner does not know the product´s name. There are other 03 dogs in the same household with similar problem (see cases 18BR000864 to 18BR000866). No Further information is expected.
24-Jan-2018	UAE; 18BR000864; PR; Brazil	**Species:** Canine **Breed:** Poodle (Standard) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Jan-2018*	2 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Xanty, 08 years old, 15 Kilograms, female, canine, Poodle, received 01 pipette of FRONTLINE PLUS DOG M (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 10 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, animal already had fleas 01 week prior (03 Jan 2018 – estimated date) to treatment. The environment has been treated but the owner does not know the product´s name. There are other 03 dogs in the same household with similar problem (see cases 18BR000863, 18BR000865 and 18BR000866). No Further information is expected.
24-Jan-2018	UAE; 18BR000865; PR; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	N/A	24-Jan-2018*	2 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Scot, 04 years old, 08 Kilograms, male, canine, Lhasa Apso, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 10 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, animal already had fleas 01 week prior (03 Jan 2018 – estimated date) to treatment. The environment has been treated but the owner does not know the

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						Cutaneous **Was the product used ok?:** Yes					product´s name. There are other 03 dogs in the same household with similar problem (see cases 18BR000863, 18BR000864 and 18BR000866). No Further information is expected.
24-Jan-2018	UAE; 18BR000866; PR; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Jan-2018*	2 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Kiara, 01 year old, 02 Kilograms, female, canine, Shih Tzu, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 10 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, animal already had fleas 01 week prior (03 Jan 2018 – estimated date) to treatment. The environment has been treated but the owner does not know the product´s name. There are other 03 dogs in the same household with similar problem (see cases 18BR000863 to 18BR000865). No Further information is expected.
24-Jan-2018	UAE; 18BR000868; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	22-Dec-2017*	24-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Arizona, 07 months old, 02 Kilograms, female, canine, Lhasa Apso, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 22 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she also applied for the first time 01 month ago (22 Dec 2018 – estimated date) and continues to see alive fleas in her pet. According to the owner, animal already had fleas 04 days prior (18 Jan 2018 – estimated date) to treatment. The environment has been treated with BUTOX®. No Further information is expected. UPDATE 31 JAN 2018 - The owner also complained that her pet is scratching herself due to fleas. The environment has been treated with Butox® every day. No further information is available.
24-Jan-2018	UAE; 18BR000870; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 27.00 Month(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Jan-2018*	11 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Nick, 27 months old, 08 Kilograms, male, canine, Yorkshire, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 13 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, animal already had fleas 20 days prior (24 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There is also another dog in the same household with similar problem (see case 18BR000871). The owner alreadyused FRONTLINE PLUS® in the past without issues. No Further information is expected. UPDATE 23 APR 2018 – Nick was not treated with FL again since 13 Jan 2018, and the dog remains infested by fleas since FL application . Because of that, the owner still believes that FRONTLINE did not work. There is no further information expected.
24-Jan-2018	UAE; 18BR000871; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	24-Jan-2018*	11 Day(s)	D-D	Suspected lack of efficacy claim: as reported by the owner, Luna, 04 years old, 17 Kilograms, female, canine, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 13 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, animal already had fleas 20 days prior (24 Dec 2017 – estimated date) to treatment.

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		Weight: 17 kg				**Was the product used ok?:** Yes					The environment has been treated with BUTOX®. There is also another dog in the same household with similar problem (see case 18BR000870). The owner already used FRONTLINE PLUS® in the past without issues. No Further information is expected. UPDATE 23 APR 2018 – Luna was not treated with FL again since 13 Jan 2018, and the dog remains infested by fleas since FL application. Because of that, the owner still believes that FRONTLINE did not work. There is no further information expected.
24-Jan-2018	UAE; 18BR000874; PR; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Jan-2018*	1 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Charle, 07 years old, 03 Kilograms, male, canine, Yorkshire, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 001/17 and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 17 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pet. According to the owner, animal already had fleas 01 month prior (17 Dec 2017 – estimated date) to treatment. The environment has been treated with but the owner could not specify the product. There is also another dog in the same household with similar problem (see case 18BR000875). There are a total of 9 animals in this household but only 02 of them were treated. No Further information is expected.
24-Jan-2018	UAE; 18BR000875; PR; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Jan-2018*	1 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Mary, 04 years old, 04 Kilograms, female, canine, Yorkshire, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 001/17 and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 17 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pet. According to the owner, animal already had fleas 01 month prior (17 Dec 2017 – estimated date) to treatment. The environment has been treated with but the owner could not specify the product. There is also another dog in the same household with similar problem (see case 18BR000874). There are a total of 9 animals in this household but only 02 of them were treated. No Further information is expected.
24-Jan-2018	UAE; 18BR000879; BA; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Oct-2017*	02-Jan-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Flor de Liz, a female Pit Bull of 3 years old and 30 kg, received one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 1 month ago (24 Dec 2017 - estimated date), for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and FL has been applied in the past with no issue (1 Oct 2017 - chosen at random). No further information is expected.
24-Jan-2018	UAE; 18BR000883; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	25-Dec-2017*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Snow, 18 months old, 3.5 Kilograms, male, canine, Maltese, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter 01 month ago (24 Dec 2017 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pet. According to the owner, animal already had fleas 01 week prior (17 Dec 2017 – estimated date) to treatment. The environment has not been

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						product used ok?: Yes					treated. No Further information is expected.
23-Jan-2018	UAE; 18BR000884; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	20-Jan-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working because her pet continues with ticks. This is the extent of the information available.
22-Jan-2018	UAE; 18BR000891; -; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Jan-2018*	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, one female Shih Tzu (other signalment unknown) was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random). Immediately post product application, the dog experienced 'allergy' and hair loss at the application site. Current status unknown. This is the extent of the information available.
24-Jan-2018	UAE; 18BR000895; RS; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	21-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Laila, an 11-year-old, 9 kg, female Poodle, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, btw the shoulder blades, by the reporter, on 20 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 3 days prior to FL, environment treated with Diazitop. FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR000896 and 18BR000897. No further information is available.
24-Jan-2018	UAE; 18BR000896; RS; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	21-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luci, a 4-year-old, 15 kg, female Pitbull, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, btw the shoulder blades, by the reporter, on 20 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 3 days prior to FL, environment treated with Diazitop. FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR000895 and 18BR000897. No further information is available.
24-Jan-2018	UAE; 18BR000897; RS; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	01-Jan-2017*	21-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sadan, a 12-year-old, 15 kg, male Pitbull, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, btw the shoulder blades, by the reporter, on 20 Jan 2018, for flea

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 12.00 Year(s) **Weight:** 15 kg				9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 3 days prior to FL, environment treated with Diazitop. FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR000895 and 18BR000896. No further information is available.
24-Jan-2018	UAE; 18BR000899; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 10.2 kg*	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	N/A	24-Jan-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one dog of unknown signalment was treated with FRONTLINE, by the reporter, on date not specified. Lack of efficacy mentioned by the owner, however she did not specify what happened. The owner was contacted and she reported that Lucky, an 18-month-old, 10.2 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, btw the shoulder blades, 23 days ago approximately (date presumed 1 Jan 2018), for flea and tick control. Lack of efficacy suspected because the dog is currently infested by fleas and ticks. Environment not treated. There is a cat in the same household, not treated. It is unknown if FRONTLINE was applied to Lucky in the past. No further information is available.
24-Jan-2018	UAE; 18BR000905; BA; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bruce, a male large crossbred dog of 3 years old and 20 kg, received one vial of FRONTLINE SPOT-ON DOGS L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 10 Jan 2018, for tick control. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with cypermethrin and it is unknown if FL has previously been applied. No further information is expected.
24-Jan-2018	UAE; 18BR000908; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Dec-2017	20-Jan-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one 4-month-old, female dog (other signalment unknown), was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), by the reporter, on 28 Dec 2017, for flea and treatment. Lack of efficacy suspected because the owner discovered fleas on her dog on 20 Jan 2018. Environment treated. Other details were not provided. This is the extent of the information available. UPDATE 2 FEB 2018 - On 1 Feb 2018, the pet owner was contacted and reported that Lithi, a female Shih Tzu of 4 months old and 3 kg, received, for the first time, one vial of FL. The product was applied topically, between the shoulder blades. In addition, the owner touched the wet application spot (See case 18BR001204). No further information is available.
24-Jan-2018	UAE; 18BR000910; SP; Brazil	**Species:** Canine **Breed:** Pug **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	24-Jan-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Donatelo, 03 years old, 15 kg, canine, male Pug, received 01 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown, topically, between the shoulder blades), for flea treatment, on 02 Jan 2018. The owner complained about the lack of efficacy of FL because it worked on the first days but then, fleas reappeared again. According to the owner, anima lalready had fleas15 days prior (18 Dec 2017 – estimated date) to treatment.

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						Was the product used ok?: Yes					The environment has been treated with SANOL and BUTOX®. There are also another 02 dogs in the same household with similar problem (see cases 18BR000911 and 18BR000912). No further information is available.
24-Jan-2018	UAE; 18BR000911; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 07 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Jan-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Darven, 02 years old, 07 kg, canine, male, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown, topically, between the shoulder blades), for flea treatment, on 02 Jan 2018. The owner complained about the lack of efficacy of FL because it worked on the first days but then, fleas reappeared again. According to the owner, anima lalready had fleas15 days prior (18 Dec 2017 – estimated date) to treatment. The environment has been treated with SANOL and BUTOX®. There are also another 02 dogs in the same household with similar problem (see cases 18BR000910 and 18BR000912). No further information is available.
24-Jan-2018	UAE; 18BR000912; SP; Brazil	**Species:** Canine **Breed:** Papillon **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Jan-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Merlia, 09 years old, 18 kg, canine, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown, topically, between the shoulder blades), for flea treatment, on 02 Jan 2018. The owner complained about the lack of efficacy of FL because it worked on the first days but then, fleas reappeared again. According to the owner, anima lalready had fleas15 days prior (18 Dec 2017 – estimated date) to treatment. The environment has been treated with SANOL and BUTOX®. There are also another 02 dogs in the same household with similar problem (see cases 18BR000910 and 18BR000911). No further information is available.
26-Jan-2018	UAE; 18BR000917; SP; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Jan-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kirra, a 10-year-old, 35 kg, female German Shepherd dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 13 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one week prior to FL, outdoor access, environment treated with Butox. It is unknown if FRONTLINE was applied in the past to Kirra. No further information is available.
25-Jan-2018	UAE; 18BR000919; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	25-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, a dog (age, weight, breed and sex unknown) received an unknown dose of FRONTLINE ® (lot, expiry date, route and site of administration unknown) for flea treatment (on 25 Jan 2018 - date chosen at random) with no results. There are also 03 cats in the same household with similar problem (see case 18BR000920). No further information is available

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25-Jan-2018	UAE; 18BR000920; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	25-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, 03 cats (age, weight, breed and sex unknown) received an unknown dose of FRONTLINE ® (lot, expiry date, route and site of administration unknown) for flea treatment (on 25 Jan 2018 - date chosen at random) with no results. There is also 01 dog in the same household with similar problem (see case 18BR000919). No further information is available
26-Jan-2018	UAE; 18BR000923; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 54.00 Month(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	1 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Ayron, 54 months old, 5.5 Kilograms, male, canine, Maltese, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 001/17 and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 09 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his pet. According to the owner, animal already had fleas 04 days prior (05 Jan 2018 – estimated date) to treatment. The environment has not been treated. No Further information is expected.
26-Jan-2018	UAE; 18BR000924; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	11-Nov-2017*	26-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Madonna, a female mixed breed cat of 7 years old and 2.5 kg, received, for the third time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 15 days ago (11 Jan 2018 - estimated date), for flea treatment. Flea infestation some days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL has been applied monthly since 11 Nov 2017 (estimated date). Similar cases were reported on 18BR000925, 18BR000926 and 18BR000927. No further information is available.
26-Jan-2018	UAE; 18BR000925; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	11-Nov-2017*	26-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Max, a male Poodle of 13 years old and 2.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 15 days ago (11 Jan 2018 - estimated date), for flea treatment. Flea infestation some days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL has been applied monthly since 11 Nov 2017 (estimated date). Similar cases were reported on 18BR000924, 18BR000926 and 18BR000927. No further information is available.
26-Jan-2018	UAE; 18BR000926; SP; Brazil	**Species:** Canine **Breed:** Lhasa	1	1	0	**Product used:** FIPRONIL 10%/S	11-Nov-2017*	26-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female Lhasa Apso of 16 years old and 5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are

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		Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Year(s) **Weight:** 5 kg				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					unknown, topical, btw the shoulder blades), applied by the reporter 15 days ago (11 Jan 2018 - estimated date), for flea treatment. Flea infestation some days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL has been applied monthly since 11 Nov 2017 (estimated date). Similar cases were reported on 18BR000924, 18BR000925 and 18BR000927. No further information is available.
26-Jan-2018	UAE; 18BR000927; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	11-Nov-2017*	26-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Belinha, a female small crossbred dog of 6 years old and 10 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 15 days ago (11 Jan 2018 - estimated date), for flea treatment. Flea infestation some days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL has been applied monthly since 11 Nov 2017 (estimated date). Similar cases were reported on 18BR000924, 18BR000925 and 18BR000926. No further information is available.
26-Jan-2018	UAE; 18BR000929; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	26-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Laila, a female medium crossbred dog of 5 years old and 12 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 19 Jan 2018, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was applied in the past with no issue (1 Jul 2017 - chosen at random). Another case was reported on 18BR000930. No further information is available.
26-Jan-2018	UAE; 18BR000930; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, a female small crossbred dog of 5 years old and 12 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 19 Jan 2018, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment. FL was applied in the past with no issue (1 Jul 2017 - chosen at random). Another case was reported on 18BR000929. No further information is available.
26-Jan-2018	UAE; 18BR000931; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the**	01-Jan-2017*	25-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of dogs (age, weight, breed and sex unknown) received an unknown dose of FRONTLINE ® (lot, expiry date, route and site of administration unknown) for flea/tick treatment (on 25 Jan 2018 - date chosen at random) with no results. The environment has been treated with an unknown product. The owner already used FL in the past with no issues 01 Jan 2017 - date chosen at random). No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: Unknown to Company					
26-Jan-2018	UAE; 18BR000932; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 26 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Elvis, a male large crossbred dog of 5 years old and 26 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 22 Jan 2018, for tick treatment. Flea infestation 2 weeks prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is available.
26-Jan-2018	UAE; 18BR000934; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	26-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, July, 12 years old, 5.5 Kilograms, female, canine, Pinscher, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 20 Nov 2018, for flea control. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, she applies FL every 07 months and never had any issues before. The environment has been treated with BUTOX®. There is also another dog in the same household with similar problem (see case 18BR000935). No Further information is expected.
26-Jan-2018	UAE; 18BR000935; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 17.00 Year(s) **Weight:** 6.6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	26-Jan-2018*	N/A	D-D	Suspected lack of efficacy claim : as reported by the owner, Toquinho, 17 years old, 6.6 Kilograms, male, canine, Pinscher, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 20 Nov 2017, for flea control. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, she applies FL every 07 months and never had any issues before. The environment has been treated with BUTOX®. There is also another dog in the same household with similar problem (see case 18BR000934). No Further information is expected.
17-Jan-2018	UAE; 18BR000936; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other	N/A	28-Nov-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 Pinschers of unknown signalment were treated with FRONTLINE SPRAY (FL) (lot and exp unknown), by the reporter, 2 months ago approximately (1 Nov 2017 chosen at random), for tick treatment. Lack of efficacy suspected because the dogs continued to have

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 5.00 Year(s) **Weight:** 4 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					ticks. Other details were not provided. FRONTLINE PLUS DOG L was also applied to the dogs (see 18BR000661). This is the extent of the information available. UPDATE 29 JAN 2018 - The pet owner was contacted and she reported that Minnie, a 5-year-old, 4 kg, female Pinscher, was treated with unknown dose of FL, topic, whole body, on 28 Nov 2017. Tick infestation one day prior to FL, environmental conditions unknown. It is unknown if FRONTLINE was applied to Minnie in the past. 3 other dogs of the same household that are also on FRONTLINE were reported on 18BR000661, 18BR001002 and 18BR001003. No further information is available.
24-Jan-2018	UAE; 18BR000941; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	26-Jan-2018*	25 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one dog of unknown signalment received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working. No ectoparasites were reported. This is the extent of the information available.
26-Jan-2018	UAE; 18BR000942; SC; Brazil	**Species:** Canine **Breed:** French Bulldog **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jan-2018*	26-Jan-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Brutos, a male French Bulldog of 2 years old and 12 kg, received, for the first time, one vial of FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 20 days ago (6 Jan 2018 - estimated date), for flea control. Flea infestation some days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and cypermethrin. There is another dog in this household that was not treated with FL. No further information is available.
26-Jan-2018	UAE; 18BR000943; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	01-Jan-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pupi, a male Persian of 1 year old and 2 kg, received one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 20 Dec 2017, for flea treatment. Flea infestation 20 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. The owner also complained about the lack of efficacy of FL PLUS CATS (see case 18BR000944). Two more cats were treated with FL SPOT-ON CATS and they have no issue. No further information is expected.
26-Jan-2018	UAE; 18BR000944; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical /	N/A	26-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pupi, a male Persian of 1 year old and 2 kg, received one vial of FRONTLINE PLUS CATS (FL) (007/16 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 19 Jan 2018, for flea treatment. Flea infestation 20 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL PLUS has previously been applied. The owner also complained about the lack of efficacy of FL SPOT-ON CATS

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						Cutaneous **Was the product used ok?:** Yes					(See case 18BR000943). Two more cats were treated with FL SPOT-ON CATS on 20 Dec 2017 and they have no issue, but they were not treated with FL PLUS CATS on 19 Jan 2018. No further information is expected.
26-Jan-2018	UAE; 18BR000945; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Julie, 14 years old, 3.5 kg, feline, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown, topically, between the shoulder blades), for flea treatment, on 11 Jan 2018. The owner complained about the lack of efficacy of FL because She continues to see fleas in her pet. According to the owner, animal already had fleas 02 weeks prior (28 Dec 2017 – estimated date) to treatment. The environment has not been treated. No further information is available.
21-Jan-2018	UAE; 18BR000946; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 16.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Gordo, a 16-year-old, 4 kg, male mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, and 18BR000947 to 18BR000957. No further information is avaialble.
21-Jan-2018	UAE; 18BR000947; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Luana, a 13-year-old, 4 kg, female mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946 and 18BR000948 to 18BR000957. No further information is avaialble.
21-Jan-2018	UAE; 18BR000948; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Piti, a 9-year-old, 3 kg, female mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first

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						ok?: Yes					application was on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946, 18BR000947 and 18BR000949 to 18BR000957. No further information is avaialble.
21-Jan-2018	UAE; 18BR000949; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Bebe, a 12-year-old, 4 kg, female mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946 to 18BR000948 and 18BR000950 to 18BR000957. No further information is avaialble.
21-Jan-2018	UAE; 18BR000950; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Bianca, an 8-year-old, 4 kg, female mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946 to 18BR000949 and 18BR000951 to 18BR000957. No further information is avaialble.
21-Jan-2018	UAE; 18BR000951; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Bonito, a 6-year-old, 3.5 kg, male mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946 to 18BR000950 and 18BR000952 to 18BR000957. No further information is avaialble.
21-Jan-2018	UAE;	**Species:** Feline	1	1	0	**Product used:**	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet

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	18BR000952; SP; Brazil	**Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 5 kg				FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Tuchinho, a 4-year-old, 5 kg, male mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946 to 18BR000951 and 18BR000953 to 18BR000957. No further information is avaialble..
21-Jan-2018	UAE; 18BR000953; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Melissa, a 4-year-old, 4 kg, female mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946 to 18BR000952 and 18BR000954 to 18BR000957. No further information is avaialble.
21-Jan-2018	UAE; 18BR000954; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Catarina, a 3-year-old, 4 kg, female mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jan 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946 to 18BR000953 and 18BR000955 to 18BR000957. No further information is avaialble.
21-Jan-2018	UAE; 18BR000955; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Tix, a 3-year-old, 4 kg, female mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated,

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						product used ok?: Yes					outdoor access. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jan 2017 chosen at random). 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946 to 18BR000954, 18BR000956 and 18BR000957. No further information is avaialble.
21-Jan-2018	UAE; 18BR000956; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Coisinha, less than one year old, 3 kg, female mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Jul 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786, 18BR000946 to 18BR000955 and 18BR000957. No further information is avaialble.
21-Jan-2018	UAE; 18BR000957; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 600 gms	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, an unknown number of cats were treated with FRONTLINE SPRAY (FL), but they continued to have fleas. The owner was contacted and she reported that Pretinho, a 3-month-old, 600 G, male mixed breeds cat, was treated unknown dose of FL (002/16, Jan 2018), topic, whole body, by the reporter's brother, every day since date not specified (1 Jan 2018 chosen at random), last application on 15 Jan 2018, for flea treatment. Flea infestation prior to FL (the cat is always infested), environment not treated. FL was applied in the past, but dose frequency is unknown and first application was on date not specified (1 Dec 2017 chosen at random). Outdoor access denied, however one other cat of the same household has it. 12 other cats of the same household that are also on FL were reported on 18BR000786 and 18BR000946 to 18BR000956. No further information is avaialble.
26-Jan-2018	UAE; 18BR000958; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Jan-2018*	2 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Nina, 07 years old, 05 Kilograms, female, canine, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the reporter on 12 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, animals already had fleas 10 days prior (02 Jan 2018 – estimated date) to treatment. The environment has not been treated. There is also another cat in the same household with similar problem (see case 18BR000959). The owner said that she has a total of 04 animals in her house but only 02 of them received FL, the other 02 received a different product and didn´t present fleas. No Further information is expected.
26-Jan-2018	UAE; 18BR000959; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	26-Jan-2018*	2 Week(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, Vani, 03 months old, 02 Kilograms, male, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT (FL) (lot and expiry date unknown, topically, between the shoulder blades) applied by the

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		Sex: F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 05 kg				9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					reporter on 12 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, animals already had fleas 10 days prior (02 Jan 2018 – estimated date) to treatment. The environment has not been treated. There is also another dog in the same household with similar problem (see case 18BR000958). The owner said that she has a total of 04 animals in her house but only 02 of them received FL, the other 02 received a different product and didn´t present fleas. No Further information is expected.
24-Jan-2018	UAE; 18BR000965; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	05-Jan-2018*	4 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, one dog of unknown signalment received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Jan 2018). Following product application (time to onset is unknown), the pet presented with an 'intoxication'. Outcome is unknown. This is the extent of the information available.
26-Jan-2018	UAE; 18BR000968; BA; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3 kg	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, two male mixed breeds cats, 3 years old, 3 kg, were treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, whole body, by the reporter, on 21 Jan 2018, for flea treatment. Lack of efficacy suspected because the cats continued to have fleas . Flea infestation 15 days prior to FL, environment treated with Colosso. It is unknown if FRONTLINE was applied to the cats in the past. Other cats of the same household that are also on FL were reported on 18BR000969, 18BR000970 and 18BR000971. No further information is available. UPDATE 19 MAR 2018 – The pet owner reported, via e-mail and social media, that her cats are still infested by fleas. Apparently, FRONTLINE was not applied again since 21 Jan 2018. The environment has been treated. This is the extent of the information available. UPDATE 23 MAR 2018 – The owner was contacted and she gave more information. The cats does not have contact with other environments different from the house. The owner does not use FL since 21 Jan 2018, she treated the environment 15 days ago. According to her, the number of fleas increased. There is no further information available.
26-Jan-2018	UAE; 18BR000969; BA; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one female mixed breeds cat, 1 year old, 3 kg, was treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, whole body, by the reporter, on 21 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas . Flea infestation 15 days prior to FL, environment treated with Colosso. It is unknown if FRONTLINE was applied to the cat in the past. Other cats of the same household that are also on FL were reported on 18BR000968, 18BR000970 and 18BR000971. No further information is available. UPDATE 19 MAR 2018 – The pet owner reported, via e-mail and social media, that her cat is still infested by fleas. Apparently, FRONTLINE was not applied again since 21 Jan 2018. The environment has been treated. This is the extent of the information available. UPDATE 23 MAR 2018 – The owner

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											was contacted and she gave more information. The cats does not have contact with other environments different from the house . The owner does not use FL since 21 Jan 2018, she treated the environment 15 days ago. According to her, the number of fleas increased. There is no further information available.
26-Jan-2018	UAE; 18BR000970; BA; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one female mixed breeds cat, 3 years old, 3 kg, was treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, whole body, by the reporter, on 21 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas . Flea infestation 15 days prior to FL, environment treated with Colosso. It is unknown if FRONTLINE was applied to the cat in the past. Other cats of the same household that are also on FL were reported on 18BR000968, 18BR000969 and 18BR000971. No further information is available. UPDATE 19 MAR 2018 – The pet owner reported, via e-mail and social media, that her cat is still infested by fleas. Apparently, FRONTLINE was not applied again since 21 Jan 2018. The environment has been treated. This is the extent of the information available. UPDATE 23 MAR 2018 – The owner was contacted and she gave more information. The cats does not have contact with other environments different from the house . The owner does not use FL since 21 Jan 2018, she treated the environment 15 days ago. According to her, the number of fleas increased. There is no further information available.
26-Jan-2018	UAE; 18BR000971; BA; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** U **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** Unknown	4	4	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 4 mixed breeds kittens, 2 months old (weight and sex unknown), were treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, whole body, by the reporter, on 21 Jan 2018, for flea treatment. Lack of efficacy suspected because the kittens continued to have fleas. Flea infestation 15 days prior to FL, environment treated with Colosso. It is unknown if FRONTLINE was applied to the cats in the past. Other cats of the same household that are also on FL were reported on 18BR000968, 18BR000969 and 18BR000970. No further information is available. UPDATE 19 MAR 2018 – The pet owner reported, via e-mail and social media, that her cats are still infested by fleas. Apparently, FRONTLINE was not applied again since 21 Jan 2018. The environment has been treated. This is the extent of the information available. UPDATE 23 MAR 2018 – The owner was contacted and she gave more information. The cats does not have contact with other environments different from the house . The owner does not use FL since 21 Jan 2018, she treated the environment 15 days ago. According to her, the number of fleas increased . There is no further information available.
26-Jan-2018	UAE; 18BR000974; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 6.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bill, an 8-year-old, 6.5 kg, male mixed breeds cat, was treated with FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, by the reporter, on 19 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas . Flea infestation one week prior to FL, environment not treated. 4 other cats of the same household that are also on FL were reported on 18BR000975, 18BR000976, 18BR000977 and 18BR000978. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
26-Jan-2018	UAE; 18BR000975; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Belinha, a 7-year-old, 4 kg, female mixed breeds cat, was treated with FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, by the reporter, on 19 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation one week prior to FL, environment not treated. 4 other cats of the same household that are also on FL were reported on 18BR000974, 18BR000976, 18BR000977 and 18BR000978. No further information is available.
26-Jan-2018	UAE; 18BR000976; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Batatinha, a 5-year-old, 4 kg, female mixed breeds cat, was treated with FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, by the reporter, on 19 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation one week prior to FL, environment not treated. 4 other cats of the same household that are also on FL were reported on 18BR000974, 18BR000975, 18BR000977 and 18BR000978. No further information is available.
26-Jan-2018	UAE; 18BR000977; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lila, a 5-year-old, 4 kg, female mixed breeds cat, was treated with FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, by the reporter, on 19 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas . Flea infestation one week prior to FL, environment not treated. 4 other cats of the same household that are also on FL were reported on 18BR000974, 18BR000975, 18BR000976 and 18BR000978. No further information is available.
26-Jan-2018	UAE; 18BR000978; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pretinha, a 2-year-old, female mixed breeds cat (weight unknown), was treated with FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, by the reporter, on 19 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation one week prior to FL, environment not treated. 4 other cats of the same household that are also on FL were reported on 18BR000974, 18BR000975, 18BR000976 and 18BR000977. No further information is available.
26-Jan-2018	UAE; 18BR000980; SP; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 45 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	26-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Zangor, a male Rottweiler of 3 years old and 45 kg, received one vial of FRONTLINE PLUS DOG XL (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 22 Jan 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000982 and 18BR000983. No further information is expected.

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						Was the product used ok?: Yes					
26-Jan-2018	UAE; 18BR000981; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 4.65 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	25-Jan-2018*	24 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, more than one female dog of unknown signalment were treated with 2 vials of FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dogs continued to have fleas. This is the extent of the information available. UPDATE 31 JAN 2018 - The pet owner reported that Megui, a female small crossbred dog of 6 months old and 4.65 kg, received one vial of FRONTLINE (FL) around 2 weeks ago (17 Jan 2018 - estimated date). Other details were not provided. Another dog was reported on 18BR 001120. No further information is available.
26-Jan-2018	UAE; 18BR000982; SP; Brazil	**Species:** Canine **Breed:** Pomeranian **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mingau, a male Pomeranian of 2 years old and 3 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 22 Jan 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000980 and 18BR000983. No further information is expected.
26-Jan-2018	UAE; 18BR000983; SP; Brazil	**Species:** Canine **Breed:** Pomeranian **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mafalda, a female Pomeranian of 2 years old and 4.5 kg, received one vial of FRONTLINE PLUS DOG XL (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 22 Jan 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR000980 and 18BR000982. No further information is expected.
26-Jan-2018	UAE; 18BR000984; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 1.50 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown	N/A	15-Dec-2017*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bidu, a male Shih Tzu of 1.5 years old and 8 kg, received FRONTLINE (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 1 Dec 2017 (estimated date), for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. The owner also complained about the lack of efficacy of NEXGARD (see case 18BR000988). There are two cats in this household that were not treated. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						to Company					
29-Jan-2018	UAE; 18BR000998; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Dec-2017*	15-Feb-2018*	5 Day(s)	D-D	Suspected lack of efficacy claim : as reported by the owner, an unknown cat, female received FRONTLINE® for three times with no results (29 Jan2018 - date chosen at random). No further information is available. UPDATE 5 MAR 2018 - According to the owner, she applied FRONTLINE two more times (10 Feb 2018 - chosen at random) and the fleas did not die. She applied another product against fleas and her pet has no issue. No further information is available.
26-Jan-2018	UAE; 18BR000999; -; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	17-Dec-2017*	29-Jan-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Kiara, a female Poodle of 8 years old and 3 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot, exp date, route and location are unknown), applied by the reporter on 17 Jan 2018. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL was also applied on Dec 2017 and it did not work, but the owner applies FL every 6 months. No further information is available.
29-Jan-2018	UAE; 18BR001001; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	26-Jul-2017*	29-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Natasha, a female large crossbred dog of 7 years old and 30 kg, received one vial of FRONTLINE SPOT-ON DOGS L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 26 Jan 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was also applied on 26 Dec 2017 and on dates not specified with no issue. No further information is expected.
17-Jan-2018	UAE; 18BR001002; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 500 gms	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	28-Nov-2017*	0 Day(s)	D-D	Suspected Lack of efficacy Claim: As reported by the pet owner, Heitor, a 2-month-old, 500 G, male Pinscher, was treated with unknown dose of FRONTLINE SPRAY (FL) (lot and exp unknown), topic, location unknown, by the reporter, on 28 Nov 2017, for tick treatment. Lack of efficacy suspected because the pup continued to have ticks. Tick infestation one day prior to FL, environmental conditions unknown. It is unknown if FRONTLINE was applied to Heitor in the past. 3 other dogs of the same household that are also on FRONTLINE were reported on 18BR000661, 18BR000936 and 18BR001003. No further information is available.
17-Jan-2018	UAE; 18BR001003; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M	1	1	0	**Product used:** FIPRONIL SPRAY **Other products**	N/A	28-Nov-2017*	0 Day(s)	D-D	Suspected Lack of efficacy Claim: As reported by the pet owner, Nero, a 2-month-old, 500 G, male Pinscher, was treated with unknown dose of FRONTLINE SPRAY (FL) (lot and exp unknown), topic, location unknown, by the reporter, on 28 Nov 2017, for tick

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		Sex qualifier: Unknown **Age:** 2.00 Month(s) **Weight:** 500 gms				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					treatment. Lack of efficacy suspected because the pup continued to have ticks. Tick infestation one day prior to FL, environmental conditions unknown. It is unknown if FRONTLINE was applied to Nero in the past. 3 other dogs of the same household that are also on FRONTLINE were reported on 18BR000661, 18BR000936 and 18BR001002. No further information is available.
29-Jan-2018	UAE; 18BR001004; DF; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Branquinho, 01 year old, 02 kilogram, feline, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov 2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001005 to 18BR001013).There is no further information available. UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.
29-Jan-2018	UAE; 18BR001005; DF; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Branquinha, 01 year old, 02 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov 2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001004 and 18BR001006 to 18BR001013).There is no further information available. UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.
29-Jan-2018	UAE; 18BR001006; DF; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Marrom, 04 years old, 1.5 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov 2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001004, 18BR001005 and 18BR001007 to 18BR001013).There is no further information available.UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
29-Jan-2018	UAE; 18BR001007; DF; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Gordo, 01 year old, 03 kilogram, feline, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov 2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001004 to 18BR001006 and 18BR001008 to 18BR001013).There is no further information available. UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.
29-Jan-2018	UAE; 18BR001008; DF; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Vitória, 02 years old, 05 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov 2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001004 to 18BR001007 and 18BR001009 to 18BR001013).There is no further information available. UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.
29-Jan-2018	UAE; 18BR001009; DF; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Junior, 02 years old, 06 kilogram, canine, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov 2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001004 to 18BR001008 and 18BR001010 to 18BR001013).There is no further information available. UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.
29-Jan-2018	UAE; 18BR001010; DF; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Pretinha, 06 years old, 05 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov

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						Was the product used ok?: No (Treatment / vaccination program not respected)					2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001004 to 18BR001009 and 18BR001011 to 18BR001013).There is no further information available. UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.
29-Jan-2018	UAE; 18BR001011; DF; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Romário, 08 years old, 04 kilogram, canine, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov 2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001004 to 18BR001010, 18BR001012 and 18BR001013).There is no further information available. UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.
29-Jan-2018	UAE; 18BR001012; DF; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 07 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, João, 06 years old, 07 kilogram, canine, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov 2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001004 to 18BR001011 and 18BR001013).There is no further information available. UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.
29-Jan-2018	UAE; 18BR001013; DF; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Augustinho, 08 years old, 15 kilogram, canine, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 003/17 and exp date 01 JAN 2019, topically, from the head to the tail), applied by the reporter on 25 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 months prior to treatment (25 Nov 2017 - estimated date). The environment has not been treated. There are also another 03 cats and 06 dogs in the same household with similar problem (see cases 18BR001004 to 18BR001012).There is no further information available. UPDATE 19 Feb 2018 – The owner contact again to say that she continues to see fleas in her animal and that she had always use FL the same way without issues. No further information is available.

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26-Jan-2018	UAE; 18BR001014; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Jan-2018	19-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, Kitty, a female mixed breed cat of 4 months old and 1.5 kg, received, for the first time, one vial of FRONTLINE SPOT-ON CAT (FL) (015/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 19 Jan 2018, for flea treatment. The pet was in good health prior to FL and has no history of adverse reactions. Around 30 minutes after product application, the pet presented hypersalivation and lethargy. Kitty recovered by her own. The owner also complained about the lack of efficacy of FL (See case 18BR001022). No further information is available.
31-Jan-2018	UAE; 18BR001015; -; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Nov-2017*	01-Nov-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random), for flea treatment. Lack of efficacy suspected, however the there is no information regarding what happened. Similar case reported on 18BR001016. SAE case reported on 18BR001017. This is the extent of the information available. UPDATE 31 JAN 2018 - The pet owner was contacted and reported that the dog has no issue. She complained about the adverse reaction on her cats. Suspected Adverse Event: Pandora, a female mixed breed cat of 14 months old and unknown weight, was treated, for the first time, with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, parts of the body), applied by the reporter on 1 Nov 2017 (estimated date). The pet was in good health prior to FL and has no history of adverse reactions. Following product application, the pet presented with hypersalivation and she recovered by her own. Similar cases were reported on 18BR001016, 18BR001017 and 18BR0019. Three other animals were treated with FL and they have no issue. No further information is available.
26-Jan-2018	UAE; 18BR001016; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Nov-2017*	01-Nov-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, 7 cats of unknown signalment were treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random), for flea treatment. Lack of efficacy suspected, however the there is no information regarding what happened. Similar case reported on 18BR001015. SAE case reported on 18BR001017. This is the extent of the information available. UPDATE 31 JAN 2018 - The pet owner was contacted and reported that was not complaining about the LOE, she complained about the adverse reactions on her cats. Suspected Adverse Event: Nala, a female mixed breed cat of 14 months old and unknown weight, was treated, for the first time, with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, parts of the body), applied by the reporter on 1 Nov 2017 (estimated date). The pet was in good health prior to FL and has no history of adverse reactions. Following product application, the pet presented with hypersalivation and apathy. She was taken to the vet clinic, but recovered by her own. Similar cases were reported on 18BR001015, 18BR001017 and 18BR001119. Three other animals were treated with FL and they have no issue. No further information is available.
26-Jan-2018	UAE; 18BR001017; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M	1	1	0	**Product used:** FIPRONIL SPRAY **Other products**	01-Nov-2017*	02-Nov-2017*	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, 2 cats of unknown signalment were treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random),

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		Sex qualifier: Unknown **Age:** 3.50 Year(s) **Weight:** Unknown				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					for flea treatment. Immediately post product application, both cats experienced hypersalivation. Other details were not provided. SLOE reported on 18BR001015 and 18BR001016. This is the extent of the information available. UPDATE 31 JAN 2018 - The pet owner was contacted and reported that Baguera, a male mixed breed cat of 3.5 years old and unknown weight, was treated, for the first time, with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, parts of the body), applied by the reporter on 1 Nov 2017 (estimated date). The pet was in good health prior to FL and has no history of adverse reactions. One day following product application, the pet presented with application site scratching and application site hair loss. He recovered on date not specified.. Similar cases were reported on 18BR001015, 18BR001016 and 18BR001119. Three other animals were treated with FL and they have no issue. No further information is available.
29-Jan-2018	UAE; 18BR001018; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Peninha, 04 years old, 4.5, canine, male, Shih Tzu, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown, topically, between the shoulder blades), for flea treatment, on 10 Jan 2018. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner, animal already had fleas 02 weeks prior (27 Dec 2017 – estimated date) to treatment. The environment has not been treated. No further information is available.
27-Jan-2018	UAE; 18BR001019; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jan-2018	12-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one female cat of unknown signalment was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), 'according to the label instructions' (topic, between the shoulder blades), by the reporter, on 10 Jan 2018, for flea treatment. Lack of efficacy suspected because the owner discovered one flea on her cat on 24 Jan 2018. The owner was also scratching. It is unknown if FRONTLINE was applied in the past to the cat. This is the extent of the information available for now. UPDATE 30 JAN 2018 - The pet owner was contacted and she reported that Amora, a 4-month-old, 1.5 kg, female mixed breeds cat, was treated with FL for the first time, for flea control. Lack of efficacy suspected because the owner discovered 2 fleas on Amora 2 days post product application. No fleas have been seen since then, however the cat is still scratching. Environment not treated. There is no further information expected.
29-Jan-2018	UAE; 18BR001021; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	29-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the retailer, an unknown dog received FRONTLINE ® (29 Jan 2018 - date chosen at random) and the owner complained about the lack of efficacy since the animal still with fleas. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
26-Jan-2018	UAE; 18BR001022; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** U **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Jan-2018	19-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one cat of 4 months old (other signalment is unknown), received one vial of FRONTLINE SPOT-ON CATS (FL) (lot, exp date, route and location are unknown), applied by the reporter on 19 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The pet also reacted after FL application (see case 18BR001014). This is the extent of the information available. UPDATE 30 JAN 2018 - The pet owner was contacted and reported that Kitty, a female mixed breed cat of 4 months old and 1.5 kg, received, for the first time, one vial of FRONTLINE SPOT-ON CATS (FL) (015/16, unknown exp date, topical, btw the shoulder blades). Flea infestation some days prior to FL. The surrounding environment has not been treated. No further information is expected.
29-Jan-2018	UAE; 18BR001024; RJ; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jeca, a male Yorkshire of 1 year old and 2 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 27 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There is another animal in this household with the same issue (see case 18BR001025). No further information is expected.
29-Jan-2018	UAE; 18BR001025; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Jan-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Titi, a female mixed breed cat 3 years old and 1.5 kg, received one vial of FRONTLINE CATS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 27 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There is another animal in this household with the same issue (see case 18BR001024). No further information is expected.
29-Jan-2018	UAE; 18BR001033; -; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 6.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Aug-2017*	15-Nov-2017*	6 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Suzy, a female Lhasa Apso of 3 years old and 6.5 kg, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Nov 2017 - chosen at random) for flea/tick control. The owner believes that FL is not working because her pet has ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001034 and 18BR001035. The owner also complained about the lack of efficacy of NEXGARD (See cases 18BR000918, 18BR000940 and 18BR001032). IVOMEC has been applied on 3 other dogs (see case 18BR001036 and 18BR001037). This is the extent of the information available.
29-Jan-2018	UAE; 18BR001034;	**Species:** Canine **Breed:** Lhasa	1	1	0	**Product used:** FIPRONIL	N/A	15-Nov-2017*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Maya, a female Lhasa Apso of 16 months old and

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	-; Brazil	Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Month(s) **Weight:** 6.5 kg				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes					6.5 kg, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Nov 2017 - chosen at random) for flea/tick control. The owner believes that FL is not working because her pet has ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001033 and 18BR001035. The owner also complained about the lack of efficacy of NEXGARD (See cases 18BR00918, 18BR00940 and 18BR001032). IVOMEC has been applied on 3 other dogs (see cases 18BR001036 e 18BR001037). This is the extent of the information available.
29-Jan-2018	UAE; 18BR001035; -; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 7.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jul-2017*	15-Nov-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Tchu Tchu, a female Shih Tzu of 2 years old and 7.5 kg, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Nov 2017 - chosen at random) for flea/tick control. The owner believes that FL is not working because her pet has ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR0001033 and 18BR001034. The owner also complained about the lack of efficacy of NEXGARD (See cases 18BR000918, 18BR000940 and 18BR001032). IVOMEC has been applied on 3 other dogs (see cases 18BR001036 and 18BR001037). This is the extent of the information available.
29-Jan-2018	UAE; 18BR001046; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 8.50 Year(s) **Weight:** 9.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Miliciti, a male Lhasa Apso of 8.5 years old and 9.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by an unknown person on 26 Jan 2018, for flea control. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
29-Jan-2018	UAE; 18BR001047; SP; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 6.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	20-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nicoli, a 15-year-old, 6.5 kg, female Poodle, was treated with one vial of FRONTLINE PLUS DOG S (FL) (001/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 19 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 1 day prior to FL, environment not treated. FRONTLINE was used in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2015 chosen at random). No further information is available.
29-Jan-2018	UAE; 18BR001049; DF; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other	N/A	14-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bianca, a 2-month-old, 2.1 kg, female Shih Tzu, was treated with FRONTLINE SPRAY (FL) (017/16, exp unknown), topic, location unknown, after bath (not fully dry), by the reporter, on 14 Jan 2018, for tick treatment. Lack of efficacy suspected because the dog

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 2.00 Month(s) **Weight:** 2.1 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					continued to have ticks. Tick infestation prior to FL, environment not treated. It is unknown if FRONTLINE was applied to Bianca in the past. No further information is available.
30-Jan-2018	UAE; 18BR001054; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Tekila, 02 years old, 06 Kilogram, canine, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner on 24 Jan, 2018, for flea treatment. The owner complained about the lack of efficacy of FL because his animal continues to scratch and fleas. According to the owner animal already had fleas 01 week prior (17 Jan 2018 – estimated date) to treatment. The environment has not been treated. There is also another dog in the same household with similar problem (see case 18BR001055). No further information is available.
30-Jan-2018	UAE; 18BR001055; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 09 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Branca, 07 years old, 09 Kilogram, canine, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner on 24 Jan, 2018, for flea treatment. The owner complained about the lack of efficacy of FL because his animal continues to scratch and fleas. According to the owner animal already had fleas 01 week prior (17 Jan 2018 – estimated date) to treatment. The environment has not been treated. There is also another dog in the same household with similar problem (see case 18BR001054). No further information is available.
28-Jan-2018	UAE; 18BR001056; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Jan-2018*	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, one female dog of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter on date not specified (1 Jan 2018 chosen at random). According to the owner, 'she almost lost her dog' because FRONTLINE. This is the extent of the information available.
28-Jan-2018	UAE; 18BR001057; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	01-Jan-2016*	17-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment was treated with one vial of FRONTLINE (presentation, size, lot and exp unknown), by the reporter, twice, on date not specified (1 Dec 2017 and 1 Jan 2018 chosen at random), for flea and tick treatment. Lack of efficacy mentioned, however details about what happened were not provided. This is the extent of the information available. UPDATE 30 JAN 2018 – The pet owner was contacted and she reported that Fid, a 4-year-old, 5 kg, male Shih Tzu, was treated

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Cutaneous **Was the product used ok?:** Yes					with one vial of FRONTLINE PLUS DOG S (FL), topic, base of skull and btw the shoulder blades, near 16 Jan 2018 and 23 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 3-4 days prior to FL, environment treated with Butox every 2 months. FRONTLINE used to be applied in the past every 3 months with no issues, but the product has not been used for some time (1st application on date not specified – 1 Jan 2016 chosen at random). No further information is available.
29-Jan-2018	UAE; 18BR001058; SP; Brazil	**Species:** Canine **Breed:** Pomeranian **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Month(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	24-Jan-2018	25-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a 14-month-old, 2.5 kg, female Pomeranian, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter's husband, for the first time, on 24 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas and scratching. Flea infestation one week prior to FL, environment not treated. 2 other dogs of the same household that are also on FL were reported on 18BR001059 and 18BR001060. No further information is available.
29-Jan-2018	UAE; 18BR001059; SP; Brazil	**Species:** Canine **Breed:** Pomeranian **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 2.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	24-Jan-2018	25-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bela, a 5-month-old, 2.8 kg, female Pomeranian, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter's husband, for the first time, on 24 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas and scratching. Flea infestation one week prior to FL, environment not treated. 2 other dogs of the same household that are also on FL were reported on 18BR001058 and 18BR001060. No further information is available.
29-Jan-2018	UAE; 18BR001060; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 3.4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	25-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Angel, a 6-year-old, 3.4 kg, female Maltese, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter's husband, on 24 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas and scratching. Flea infestation one week prior to FL, environment not treated. FRONTLINE was applied once in the past to Angel (1 Jan 2015 chosen at random). 2 other dogs of the same household that are also on FL were reported on 18BR001058 and 18BR001059. No further information is available.
30-Jan-2018	UAE; 18BR001061; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other	N/A	10-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Netinho, 04 years old, 04 Kilogram, feline, male, Mixed Breed, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 03 weeks ago (09 Jan, 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 4.00 Year(s) **Weight:** 04 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					owner animal already had fleas 01 week prior (02 Jan 2018 – estimated date) to treatment. The environment has not been treated. There are also another 02 cats in the same household with similar problem (see cases 18BR001062 and 18BR001063). No further information is available.
30-Jan-2018	UAE; 18BR001062; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 54.00 Month(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Pequena, 54 months old, 4.5 Kilogram, feline, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 03 weeks ago (09 Jan, 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 01 week prior (02 Jan 2018 – estimated date) to treatment. The environment has not been treated. There are also another 02 cats in the same household with similar problem (see cases 18BR001061 and 18BR001063). No further information is available.
30-Jan-2018	UAE; 18BR001063; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Wilson, 04 years old, 05 Kilogram, feline, male, Mixed Breed, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 03 weeks ago (09 Jan, 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 01 week prior (02 Jan 2018 – estimated date) to treatment. The environment has not been treated. There are also another 02 cats in the same household with similar problem (see cases 18BR001061 and 18BR001062). No further information is available.
27-Jan-2018	UAE; 18BR001064; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	14-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the pet owner, 3 female cats of unknown signalment were treated with FRONTLINE PLUS CATS (FL) (dose, lot and exp unknown), by the reporter, 2 weeks ago (date presumed 13 Jan 2018), for flea treatment. Lack of efficacy suspected because the cats continued to have fleas . This is the extent of the information available.
30-Jan-2018	UAE; 18BR001067; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	10-Jan-2018*	11-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Chirô, 01 year old, 03 kilogram, feline, female, Mixed Breed, received approximately 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 006/16 and exp date MAY 2018, topically, in the whole body), for five day starting 20 days ago (10 Jan 2018 – estimated date), then for 03 days in a row and one the last time after a week (30 Jan 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 02 days prior to treatment (08 Jan 2018 - estimated

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					date). The environment has been treated with BUTOX®. There is no further information available.
28-Jan-2018	UAE; 18BR001068; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	28-Jan-2018*	27 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, an unknown number of dogs received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working. No ectoparasites were reported. This is the extent of the information available.
30-Jan-2018	UAE; 18BR001074; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 3.1 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nani, a female Yorkshire of 11 years old and 3.1 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 17 Jan 2018, for flea treatment. Flea infestation around 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
30-Jan-2018	UAE; 18BR001076; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	5 Week(s) 1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, July, 16 years old, 12 Kilogram, feline, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG M (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 25 Dec 2017, for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 15 days prior (10 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another dog and another cat in the same household with similar problem (see cases 18BR001077 and 18BR001078). No further information is available.
30-Jan-2018	UAE; 18BR001077; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	5 Week(s) 1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Kiko, 10 years old, 10 Kilogram, canine, male, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 25 Dec 2017, for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 15 days prior (10 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another dog and another cat in the same household with similar problem (see cases 18BR001076 and 18BR001078). No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
30-Jan-2018	UAE; 18BR001078; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 1.50 Year(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	5 Week(s) 1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Mel, 1.5 years old, 02 Kilogram, feline, female, Siamese, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 25 Dec 2017, for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 15 days prior (10 Dec 2017 – estimated date) to treatment. The environment has been treated with BUTOX®. There are also another 02 dogs in the same household with similar problem (see cases 18BR001076 and 18BR001077). No further information is available.
30-Jan-2018	UAE; 18BR001079; SP; Brazil	**Species:** Canine **Breed:** Bull Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 3.50 Year(s) **Weight:** 23.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tilly, a male Bull Terrier of 3.5 years old and 23.5 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 17 Jan 2018, for flea treatment. Flea infestation around 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied . There is another dog in this household with the same issue (see case 18BR001080). No further information is expected.
30-Jan-2018	UAE; 18BR001080; SP; Brazil	**Species:** Canine **Breed:** Bull Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 24.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tequila, a female Bull Terrier of 11 years old and 24.5 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 17 Jan 2018, for flea treatment. Flea infestation around 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied . There is another dog in this household with the same issue (see case 18BR001079). No further information is expected.
29-Jan-2018	UAE; 18BR001082; RS; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Jan-2018	30-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, New, a male large crossbred dog of 8 years old and 35 kg, received, for the frist time, one vial of FRONTLINE SPOT-ON DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Jan 2018, for flea control. Lack of efficacy is suspected because the pet has fleas . The surrounding environment has not been treated. Similar cases were reported on 18BR001083, 18BR001084, 18BR001085, 18BR001086 and 18BR001087. No further information is expected.
29-Jan-2018	UAE; 18BR001083; RS; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg)	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products**	23-Jan-2018	29-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Aparecida, a female medium crossbred dog of 7 years old and 15 kg, received, for the first time, one vial of FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Jan 2018, for flea

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 15 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					control. Lack of efficacy is suspected because the pet has fleas . The surrounding environment has not been treated. Similar cases were reported on 18BR001082, 18BR001084, 18BR001085, 18BR001086 and 18BR001087. No further information is expected.
29-Jan-2018	UAE; 18BR001084; RS; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Jan-2018	29-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Preta, a female small crossbred dog of 4 years old and 4 kg, received, for the first time, one vial of FRONTLINE SPOT-ON DOG S (FL) (020/16, Oct 2018, topical, btw the shoulder blades), applied by the reporter on 23 Jan 2018, for flea control. Lack of efficacy is suspected because the pet has fleas . The surrounding environment has not been treated. Similar cases were reported on 18BR001082, 18BR001083, 18BR001085, 18BR001086 and 18BR001087. No further information is expected.
29-Jan-2018	UAE; 18BR001085; RS; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Jan-2018	29-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bolinha, a female small crossbred dog of 8 years old and 7 kg, received, for the first time, one vial of FRONTLINE SPOT-ON DOG S (FL) (020/16, Oct 2018, topical, btw the shoulder blades), applied by the reporter on 23 Jan 2018, for flea control. Lack of efficacy is suspected because the pet has fleas . The pet has flea allergic dermatitis. The surrounding environment has not been treated. Similar cases were reported on 18BR001082, 18BR001083, 18BR001084, 18BR001086 and 18BR001087. No further information is expected.
29-Jan-2018	UAE; 18BR001086; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 13 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Jan-2018	29-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sushi, a male mixed breed cat of 9 years old and 13 kg, received, for the first time, one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Jan 2018, for flea control. Lack of efficacy is suspected because the pet has fleas . The surrounding environment has not been treated. Similar cases were reported on 18BR001082, 18BR001083, 18BR001084, 18BR001085 and 18BR001087. No further information is expected.
29-Jan-2018	UAE; 18BR001087; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Jan-2018	29-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sashimi, a male mixed breed cat of 4 years old and 4 kg, received, for the first time, one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Jan 2018, for flea control. Lack of efficacy is suspected because the pet has fleas . The surrounding environment has not been treated. Similar cases were reported on 18BR001082, 18BR001083, 18BR001084, 18BR001085 and 18BR001086. No further information is expected.
30-Jan-2018	UAE; 18BR001088; MG; Brazil	**Species:** Canine **Breed:** Poodle (Miniature)	1	1	0	**Product used:** FIPRONIL SPOT ON DOG	01-Dec-2017	30-Jan-2018*	8 Week(s) 4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nick, a male Poodle of 2.5 years old and 4 kg, received, for the first time, one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: M **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 4 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Dec 2017, for flea treatment. Flea infestation around 1 month prior to FL. Lack of efficacy is suspected becaucse the pet remains with fleas. The surrounding environment has been treated with deltamethrin. No further information is expected.
29-Jan-2018	UAE; 18BR001089; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	29-Jan-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one dog of unknown signalment received FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). The pet has flea/tick allergic dermatitis. Lack of efficacy is suspected because the pet remains with fleas and ticks. FL was applied in the past with no issue (1 Jan 2017 - chosen at random). It is unknown if the surrounding environment has been treated. This is the extent of the information available.
30-Jan-2018	UAE; 18BR001092; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Chiquinha, 04 years old, 04 Kilogram, feline, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 14 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 01 month prior (14 Dec 2017 – estimated date) to treatment. The environment has not been treated with products but the owner vacuums the place. There is also another cat in the same household with similar problem (see case 18BR001093). No further information is available.
30-Jan-2018	UAE; 18BR001093; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	30-Jan-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Belinha, 02 years old, 4.5 Kilogram, feline, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 14 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 01 month prior (14 Dec 2017 – estimated date) to treatment. The environment has not been treated with products but the owner vacuums the place. There is also another cat in the same household with similar problem (see case 18BR001092). No further information is available.
31-Jan-2018	UAE; 18BR001094; RJ; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	31-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Yuri, 08 years old, 05 kilogram, canine, male, Poodle, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 011/16 and exp date unknown, topically, in the hole body), applied by the reporter 01 week ago (24 Jan 2018 – estimated date), for tick treatment. The owner complained about the lack of efficacy of FL because she continues to see alive ticks in her animal. According to the owner, animal already had fleas 01 months prior to treatment (24 Dec 2017 - estimated date). The environment has not been treated with SANOL®. There is also another dog in the same household with

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						ok?: Yes					similar problem (see case 18BR001095). Yuri fled from his house and returned home with ticks. There is no further information available.
31-Jan-2018	UAE; 18BR001095; RJ; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Mel, 07 years old, 10 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 011/16 and exp date unknown, topically, in the hole body), applied by the reporter 01 week ago (24 Jan 2018 – estimated date), for tick treatment. The owner complained about the lack of efficacy of FL because she continues to see alive ticks in her animal. According to the owner, animal already had fleas 01 months prior to treatment (24 Dec 2017 - estimated date). The environment has not been treated with SANOL®. There is also another dog in the same household with similar problem (see case 18BR001094). Yuri fled from his house and returned home with ticks. There is no further information available.
31-Jan-2018	UAE; 18BR001103; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Jan-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maia, a female Maltese of 8 years old and 4.5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 22 days ago (9 Jan 2018 - estimated date), for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
31-Jan-2018	UAE; 18BR001104; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 3.50 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Nov-2017	31-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lucky, a male Shih-Tzu of 3.5 years old and 8 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 28 Jan 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL was also applied on 28 Nov 2017 and 28 Dec 2017. There is another dog in this household with the same issue (see case 18BR001105). No further information is expected.
31-Jan-2018	UAE; 18BR001105; SP; Brazil	**Species:** Canine **Breed:** Schnauzer **Sex:** M **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 8.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Nov-2017	31-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Niko, a male Schnauzer of 2.5 years old and 8.5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 28 Jan 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL was also applied on 28 Nov 2017 and 28 Dec 2017. There is another dog in this household with the same issue (see case 18BR001104). No further information is expected.
31-Jan-2018	UAE; 18BR001114; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other	N/A	31-Jan-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Hanna, 03 years old, 04, canine, female, Pinscher, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown, topically, between the shoulder blades), for flea treatment, 10 days ago (21 Jan 2018 – estimated date). The owner

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		Unknown **Age:** 3.00 Year(s) **Weight:** 04 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					complained about the lack of efficacy of FL because she fleasare not getting killed. According to the owner, animal already had fleas 15 days prior (06 Jan 2018 – estimated date) to treatment. The environment has been treated with BUTOX®. No further information is available.
31-Jan-2018	UAE; 18BR001119; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Nov-2017*	01-Nov-2017*	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, Sky, a female mixed breed cat of 4 years old and unknown weight, was treated, for the first time, with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, parts of the body), applied by the reporter on 1 Nov 2017 (estimated date). The pet was in good health prior to FL and has no history of adverse reactions. Following product application, the pet presented with hypersalivation and she recovered by her own. Similar cases were reported on 18BR001015, 18BR001016 and 18BR001017. Three other animals were treated with FL and they have no issue. No further information is available.
26-Jan-2018	UAE; 18BR001120; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 4.65 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	25-Jan-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Duquesa, a female small crossbred dog of 6 months old and 5.1 kg, received one vial of FRONTLINE (FL) (lot, exp date, route and location are unknown), applied by the reporter around 2 weeks ago (17 Jan 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. Other details were not provided. Another dog was reported on 18BR000981. No further information is available.
31-Jan-2018	UAE; 18BR001121; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Jan-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, 3 female dogs of unknown signalment received FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter on 1 Jan 2018 (chosen at random). The owner believes that FL is not working. No ectoparasites were reported. This is the extent of the information available.
31-Jan-2018	UAE; 18BR001124; SP; Brazil	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	31-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 3 male mixed breed dogs between 5 to 14 years old and unknown weight, were treated with an unknown dose of FRONTLINE PLUS DOG XL (lot and exp date are unknown, topical, btw the shoulder blades, off label - the product was fractionated), applied by the reporter on 26 Jan 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There are other animals in this household with the same

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						Was the product used ok?: No (Treatment / vaccination program not respected)					issue (see cases 18BR001125 and 18BR001126). No further information is expected.
31-Jan-2018	UAE; 18BR001125; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	31-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 female Poodle around 7 years old and unknown weight, were treated with an unknown dose of FRONTLINE PLUS DOG XL (lot and exp date are unknown, topical, btw the shoulder blades, off label - the product was fractionated), applied by the reporter on 26 Jan 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied . There are other animals in this household with the same issue (see cases 18BR001124 and 18BR001126). No further information is expected.
31-Jan-2018	UAE; 18BR001126; SP; Brazil	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	31-Jan-2018*	5 Day(s)	N/A	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 female mixed breed around 7 years old and unknown weight, was treated with an unknown dose of FRONTLINE PLUS DOG XL (lot and exp date are unknown, topical, btw the shoulder blades, off label - the product was fractionated), applied by the reporter on 26 Jan 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied . There are other animals in this household with the same issue (see cases 18BR001124 and 18BR001125). No further information is expected.
31-Jan-2018	UAE; 18BR001127; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 6.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Jan-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Arcelito, a male mixed breed cat of 2 years old and 6.5 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 10 Jan 2018, for flea treatment. Flea infestation 4 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied . There is another cat in this household with the same issue (see case 18BR001128). No further information is expected.

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31-Jan-2018	UAE; 18BR001128; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Jan-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luna, a female mixed breed cat of 1 year old and 2.5 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 10 Jan 2018, for flea treatment. Flea infestation 4 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another cat in this household with the same issue (see case 18BR001127). No further information is expected.
31-Jan-2018	UAE; 18BR001129; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 2.4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Jan-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Neko, a female mixed breed cat of 5 months old and 2.4 kg, received one vial of FRONTLINE SPOT-ON CATS (FL) (011/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 10 Jan 2018, for flea treatment. Flea infestation 3 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another cat in this household with the same issue (see case 18BR001130). No further information is expected.
31-Jan-2018	UAE; 18BR001130; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 2.1 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Jan-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tercila, a female mixed breed cat of 5 months old and 2.1 kg, received one vial of FRONTLINE SPOT-ON CATS (FL) (011/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 10 Jan 2018, for flea treatment. Flea infestation 3 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another cat in this household with the same issue (see case 18BR001129). No further information is expected.
31-Jan-2018	UAE; 18BR001131; -; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	31-Jan-2018*	30 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, one unknown dog, received FRONTLINE®, for unknown reason, on unknown date (01 Jan 2018 – date chosen at random). The owner complained about the lack of efficacy of FL. No further information is available. UPDATE 2 FEB 2018 - The pet owner was contacted and reported that Max, a male Lhasa Apso of 1 year old and unknown weight, was treated, for the first time, with FL 'pipette' (unsubstantiated) (lot and exp date are unknown, topical, back - incorrect application), by the reporter around 1 Jun 2017 (estimated date), for tick treatment. The owner continued to see ticks on her pet. The surrounding environment has not been treated. No further information is expected.
31-Jan-2018	UAE; 18BR001132; SP; Brazil	**Species:** Canine **Breed:** Pit Bull	1	1	0	**Product used:** FIPRONIL SPRAY	N/A	31-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Troia, 10 years old, 40 kilogram, canine, female, Pit Bull, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 010/16 and exp date

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		Sex: F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 40 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					unknown, topically, in the whole body), applied by the reporter on 28 Jan 2018, for flea control. The owner complained about the lack of efficacy of FL because she applied FL in 07 animals but 03 of them, got fleas. The environment has been treated with BUTOX®. There are also another 02 dogs in the same household with similar problem (see cases 18BR001133 to 18BR001134).There is no further information available.
31-Jan-2018	UAE; 18BR001133; SP; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, João, 05 years old, 15 kilogram, canine, male, Basset Hound, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 010/16 and exp date unknown, topically, in the whole body), applied by the reporter on 28 Jan 2018, for flea control. The owner complained about the lack of efficacy of FL because she applied FL in 07 animals but 03 of them, got fleas. The environment has been treated with BUTOX®. There are also another 02 dogs in the same household with similar problem (see cases 18BR001132 to 18BR001134).There is no further information available.
31-Jan-2018	UAE; 18BR001134; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 07 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Jhow, 06 months old, 07 kilogram, canine, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 010/16 and exp date unknown, topically, in the whole body), applied by the reporter on 28 Jan 2018, for flea control. The owner complained about the lack of efficacy of FL because she applied FL in 07 animals but 03 of them, got fleas. The environment has been treated with BUTOX®. There are also another 02 dogs in the same household with similar problem (see cases 18BR001132 to 18BR001133).There is no further information available.
30-Jan-2018	UAE; 18BR001139; SC; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 3.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	18-Jan-2018*	1 Week(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Mima, a 13-year-old, 3.8 kg, female Persian cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 11 Jan 2018. She was in good health prior to FL. One week post product application, the cat experienced itching, reddening of the skin and hair loss, all at the application site. It is unknown if Mima was taken to the vet clinic, but she was being treated with ketoconazole. FRONTLINE was applied in the past to Mima (more than one year ago – 1 Jan 2016 chosen at random). This is the extent of the information available.
31-Jan-2018	UAE; 18BR001140; SP; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** Unknown **Age:** 2.30 Year(s) **Weight:** 42 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	11-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Serena, a 2.3-year-old, 42 kg, female Rottweiler, was treated wih one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 10 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation 2 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied in the past to Serena. 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR001141 and 18BR001142. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
31-Jan-2018	UAE; 18BR001141; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 22 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	11-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Loira, a 5-year-old, 22 kg, female crossbred dog, was treated with unknown dose of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), one vial for 2 dogs (see 18BR001142), topic, base of skull and btw the shoulder blades, by the reporter, on 10 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation 2 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied in the past to Loira. 1 other dog of the same household that is also on FRONTLINE was reported on 18BR001140. No further information is available.
31-Jan-2018	UAE; 18BR001142; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.30 Year(s) **Weight:** 23 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	11-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Rote, a 2.3-year-old, 23 kg, male crossbred dog, was treated with unknown dose of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), one vial for 2 dogs (see 18BR001141), topic, base of skull and btw the shoulder blades, by the reporter, on 10 Jan 2018, for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation 2 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied in the past to Rote. 1 other dog of the same household that is also on FRONTLINE was reported on 18BR001140. No further information is available.
31-Jan-2018	UAE; 18BR001143; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	31-Jan-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female crossbred dog, 1.5 kg (age unknown), was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (010/16, Sep 2018), topic, base of skull and btw the shoulder blades, by the retail store staff, 5 days ago (date presumed 26 Jan 2018, when the dog was adopted), for flea treatment. Lack of efficacy suspected because the owner discovered one tick on Mel on date not specified. No fleas have been seen anymore. Environment not treated. No further information is available.
01-Feb-2018	UAE; 18BR001149; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s)	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	04-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Mia, 03 months old, 01 Kilogram, feline, female, Mixed Breed, received, 01 pipette of FRONTLINE SPOT-ON CATS (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner on 03 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because shecontinues to see fleas in her animal. According to the owner animal already had fleas 01 day prior to treatment. The environment has not been treated. There is also another cat in the same household with similar

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		Weight: 01 kg				**product used ok?:** Yes					problem (see case 18BR001150). The owner believes they may be getting fleas from the elevator in the building. No further information is available.
01-Feb-2018	UAE; 18BR001150; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 01 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Filó, 03 months old, 01 Kilogram, feline, female, Mixed Breed, received, 01 pipette of FRONTLINE SPOT-ON CATS (FL) (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner on 03 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because shecontinues to see fleas in her animal. According to the owner animal already had fleas 01 day prior to treatment. The environment has not been treated. There is also another cat in the same household with similar problem (see case 18BR001149). The owner believes they may be getting fleas from the elevator in the building. No further information is available. No further information is available.
01-Feb-2018	UAE; 18BR001157; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	20-Jan-2017*	01-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bob, a male mixed breed cat of 10 years old and 6 kg, was treated with FRONTLINE SPRAY (FL) (002/17, Dec 2018, topical, neck - incorrect application), applied by the reporter on 20 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL has been applied monthly since 1 Jan 2017 (chosen at random). Similar cases were reported on 18BR001158 to 18BR001165. No further information is expected.
01-Feb-2018	UAE; 18BR001158; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	20-Jan-2017*	01-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dengoso, a male mixed breed cat of 3 years old and 6 kg, was treated with FRONTLINE SPRAY (FL) (002/17, Dec 2018, topical, neck - incorrect application), applied by the reporter on 20 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL has been applied monthly since 1 Jan 2017 (chosen at random). Similar cases were reported on 18BR001157, 18BR001159 to 18BR001165. No further information is expected.
01-Feb-2018	UAE; 18BR001159; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	20-Jan-2017*	01-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Otavio, a male mixed breed cat of 6 years old and 6 kg, was treated with FRONTLINE SPRAY (FL) (002/17, Dec 2018, topical, neck - incorrect application), applied by the reporter on 20 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL has been applied monthly since 1 Jan 2017 (chosen at random). Similar cases were reported on 18BR001157, 18BR001158, 18BR001160 to 18BR001165. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: No (Treatment / vaccination program not respected)					
01-Feb-2018	UAE; 18BR001160; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	20-Jan-2017*	01-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Vick, a female mixed breed cat of 3 years old and 4 kg, was treated with FRONTLINE SPRAY (FL) (002/17, Dec 2018, topical, neck - incorrect application), applied by the reporter on 20 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL has been applied monthly since 1 Jan 2017 (chosen at random). Similar cases were reported on 18BR001157 to 18BR001159, 18BR001161 to 18BR001165. No further information is expected.
01-Feb-2018	UAE; 18BR001161; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	20-Jan-2017*	01-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ketti, a female mixed breed cat of 3 years old and 3 kg, was treated with FRONTLINE SPRAY (FL) (002/17, Dec 2018, topical, neck - incorrect application), applied by the reporter on 20 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL has been applied monthly since 1 Jan 2017 (chosen at random). Similar cases were reported on 18BR001157 to 18BR001160, 18BR001162 to 18BR001165. No further information is expected.
01-Feb-2018	UAE; 18BR001162; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	20-Jan-2017*	01-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pretinha, a female mixed breed cat of 4 years old and 3.5 kg, was treated with FRONTLINE SPRAY (FL) (002/17, Dec 2018, topical, neck - incorrect application), applied by the reporter on 20 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL has been applied monthly since 1 Jan 2017 (chosen at random). Similar cases were reported on 18BR001157 to 18BR001161, 18BR001163 to 18BR001165. No further information is expected.
01-Feb-2018	UAE; 18BR001163; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other	20-Jan-2017*	01-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, a female mixed breed cat of 15 months old and 5 kg, was treated with FRONTLINE SPRAY (FL) (002/17, Dec 2018, topical, neck - incorrect application), applied by the reporter on 20 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack

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		Sex qualifier: Unknown **Age:** 15.00 Month(s) **Weight:** 5 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL has been applied monthly since 1 Jan 2017 (chosen at random). Similar cases were reported on 18BR001157 to 18BR001162, 18BR001164 e 18BR001865. No further information is expected.
01-Feb-2018	UAE; 18BR001164; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	20-Jan-2017*	01-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Laila, a female mixed breed cat of 12 years old and 5 kg, was treated with FRONTLINE SPRAY (FL) (002/17, Dec 2018, topical, neck - incorrect application), applied by the reporter on 20 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL has been applied monthly since 1 Jan 2017 (chosen at random). Similar cases were reported on 18BR001157 to 18BR001163 and 18BR001165. No further information is expected.
01-Feb-2018	UAE; 18BR001165; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	20-Jan-2017*	01-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Moli, a female mixed breed cat of 10 years old and 3 kg, was treated with FRONTLINE SPRAY (FL) (002/17, Dec 2018, topical, neck - incorrect application), applied by the reporter on 20 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL has been applied monthly since 1 Jan 2017 (chosen at random). Similar cases were reported on 18BR001157 to 18BR001164. No further information is expected.
01-Feb-2018	UAE; 18BR001169; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 09 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	16-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Mel, 05 years old, 09 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 017/16 and exp date unknown, topically, in the head and ears), applied by the reporter on 15 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. According to the owner , animal already had fleas 02 months prior (15 Nov 2017 – estimated date) to treatment. The environment has not been treated. There is no further information available.

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31-Jan-2018	UAE; 18BR001170; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 16 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	27-Nov-2017*	31-Jan-2018	4 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Gisele, a 13-year-old, 16 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS L (FL) (019/16, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 27 Jan 2018, for flea and tick control. Gisele was in apparently good health prior to FL (but mange was mentioned) and has no history of adverse reactions. 4 days following product application (31 Jan 2018), the dog started experiencing vomiting. Appetite loss and polydipsia also reported. Gisele was not taken to the vet clinic and the signs are still ongoing. FRONTLINE was applied on Nov 2017 (27 Nov 2017 chosen at random) with no issues. There is no further information expected.
01-Feb-2018	UAE; 18BR001178; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 13 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	01-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Malhado, a male medium crossbred dog of 5 years old and 13 kg, was treated with FRONTLINE SPOT-ON DOG M (FL) (001/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 29 Jan 2018, for flea/tick treatment. Flea/tick infestation 20 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
01-Feb-2018	UAE; 18BR001181; MG; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	22-Jan-2018	01-Feb-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Danca, a female medium crossbred dog of 13 years old and 12 kg, was treated, for the first time, with FRONTLINE SPRAY (FL) (002/17 and unknown exp date, topical, btw the shoulder blades - incorrect application), applied by the reporter on 22 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environmnet has not been treated. Similar cases were reported on 18BR001182 and 18BR001183. No further information is expected.
01-Feb-2018	UAE; 18BR001182; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	21-Jan-2018	01-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Laica, a female small crossbred dog of 10 years old and 5 kg, was treated with FRONTLINE SPRAY (FL) (002/17 and unknown exp date, topical, btw the shoulder blades - incorrect application), applied by the reporter on 31 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environmnet has not been treated and FL has previously been applied on 21 Jan 2018 and 26 Jan 2018. Similar cases were reported on 18BR001181 and 18BR0083. No further information is expected.
01-Feb-2018	UAE; 18BR001183;	**Species:** Feline	1	1	0	**Product used:** FIPRONIL	21-Jan-2018	01-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Megui, a female mixed breed cat of 4 months old and 1 kg, was

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	MG; Brazil	**Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 1 kg				SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					treated with FRONTLINE SPRAY (FL) (002/17 and unknown exp date, topical, btw the shoulder blades - incorrect application), applied by the reporter on 31 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environmnet has not been treated and FL has previously been applied on 21 Jan 2018 and 26 Jan 2018. Similar cases were reported on 18BR001181 and 18BR0082. No further information is expected.
01-Feb-2018	UAE; 18BR001184; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	01-Feb-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female small crossbred dog of 3 years old and 5 kg, was treated with FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 10 Jan 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environmnet has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
01-Feb-2018	UAE; 18BR001185; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Oct-2016*	21-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Branquinho, a 7-year-old, 6 kg, male Shih Tzu, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw tthe shoulder blades, by the reporter, on 20 Dec 2017, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 10 days prior to FL, environment not treated. FRONTLINE was applied more than one year ago with no issues reported (date not specified – 1 Oct 2016 chosen at random). No further information is available.
01-Feb-2018	UAE; 18BR001186; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Jan-2017*	08-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one male Labrador Retriever dog (other signalment unknown) was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random). The owner believes that FRONTLINE did not work as it used to, however she did not mention what happened. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR001187 and 18BR001188. This is the extent of the information available for now. UPDATE 22 FEB 2018 – The owner contacted via direct phone call and provided more information. Marley, 07 years old,30 kilograms, canine, male, Labrador, received 01 pipette of FRONTLINE PLUS DOG L (lot and exp date unknown, topically, between the shoulder blades), for flea/tick control on 08 Jan 2018. The owner complained about the lack of efficacy of FL because her dog got fleas. The environment has not been treated. FL was already used in the past with no issues (08

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											Jan 2017 – date chosen at random). No further information is available.
01-Feb-2018	UAE; 18BR001187; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 32 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Jan-2017*	08-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one female Labrador Retriever dog (other signalment unknown) was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random). The owner believes that FRONTLINE did not work as it used to, however she did not mention what happened. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR001186 and 18BR001188. This is the extent of the information available for now. UPDATE 22 FEB 2018 – The owner contacted via direct phone call and provided more information. Rita, 05 years old, 32 kilograms,canine, female, Labrador, received 01 pipette of FRONTLINE PLUS DOG L (lot and exp date unknown, topically, between the shoulder blades), for flea/tick control on 08 Jan 2018. The owner complained about the lack of efficacy of FL because her dog got fleas. The environment has not been treated. FL was already used in the past with no issues (08 Jan 2017 – date chosen at random). No further information is available.
01-Feb-2018	UAE; 18BR001188; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 07 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Jan-2017*	08-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one Maltese dog (other signalment unknown) was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random). The owner believes that FRONTLINE did not work as it used to, however she did not mention what happened. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR001186 and 18BR001187. This is the extent of the information available for now. UPDATE 22 FEB 2018 – The owner contacted via direct phone call and provided more information. Ziggy, 02 years old, 07 kilograms, canine, male, Maltese, received 01 pipette of FRONTLINE PLUS DOG S (lot and exp date unknown, topically, between the shoulder blades), for flea/tick control on 08 Jan 2018. The owner complained about the lack of efficacy of FL because her dog got fleas. The environment has not been treated. FL was already used in the past with no issues (08 Jan 2017 – date chosen at random). No further information is available.
02-Feb-2018	UAE; 18BR001192; RS; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Feb-2018*	25 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Vick, a female Yorkshire of 3 years old and 2 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 25 days ago (8 Jan 2018 - estimated date), for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (See case 18BR001194). No further information is expected.

N/A signifies the information for this field is either not available or not applicable

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
02-Feb-2018	UAE; 18BR001193; MG; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Caleb, a 6-month-old, 4 kg, male Shih Tzu, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 2 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment not treated, outdoor acess denied. No further information is available.
02-Feb-2018	UAE; 18BR001194; RS; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Feb-2018*	25 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cacau, a female Yorkshire of 1 year old and 2.5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 25 days ago (8 Jan 2018 - estimated date), for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (See case 18BR001192). No further information is expected.
02-Feb-2018	UAE; 18BR001197; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Nov-2017*	02-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Pituca, 03 years old, 20 Kilogram, canine, female, Mixed Breed, received, a portion of the FRONTLINE SPOT-ON DOGS XL (FL) pipette (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 03 days ago (30 Jan 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because she used FL and continues to see fleas in her animal. According to the owner animal already had fleas a few days prior to treatment. The environment has not been treated. There is also another dog in the same household with similar problem (see case 18BR001198). The owner already used FL in the past with no issues (01 Nov 2017 – date chosen at random). No further information is available.
02-Feb-2018	UAE; 18BR001198; PR; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Nov-2017*	02-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Juca, 03 years old, 02 Kilogram, canine, female, Pinscher, received, a portion of the FRONTLINE SPOT-ON DOGS XL (FL) pipette (lot and date of exp unknown, topically,between the shoulder blades) applied by the owner 03 days ago (30 Jan 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because she used FL and continues to see fleas in her animal. According to the owner animal already had fleas a few days prior to treatment. The environment has not been treated. There is also another dog in the same household with similar problem (see case 18BR001197). The owner already used FL in the past with no issues (01 Nov 2017 – date chosen at random). No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
02-Feb-2018	UAE; 18BR001199; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** -	01-Jan-2017*	02-Feb-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bob, a male large crossbred dog of 11 years old and 25 kg, received one vial of FRONTLINE PLUS DOG L (FL) (015/17, Mar 2019, topical, btw the shoulder blades), applied by the reporter on 16 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with deltamethrin. FL has been applied every 3 months. No further information is expected.
02-Feb-2018	UAE; 18BR001200; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	25-Jan-2015*	02-Feb-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Marii, 09 years old, 10 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 001/17 and exp date unknown, topically, from head to tail), applied by the reporter twice on 27 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she applied FL and it didn ´t have anyeffect. The environment has been treated with BUTOX®. There are also another cat and a dog in the same household with similar problem (see cases 18BR001201 and 18BR001202).According to the owner he remebers that 10 year ago FL was applied in 20 cats and it worked. The owner used REVOLUTION® in his anumal and according to him, it worked. There is no further information available.
02-Feb-2018	UAE; 18BR001201; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	25-Jan-2015*	02-Feb-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Hanna, 07 years old, 2.5 kilogram, feline, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 001/17 and exp date unknown, topically, from head to tail), applied by the reporter twice on 27 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she applied FL and it didn´t have anyeffect. The environment has been treated with BUTOX®. There are also another cat and a dog in the same household with similar problem (see cases 18BR001200 and 18BR001202).According to the owner he remebers that 10 year ago FL was applied in 20 cats and it worked. The owner used REVOLUTION® in his anumal and according to him, it worked. There is no further information available.
02-Feb-2018	UAE; 18BR001202; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 22 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment /	25-Jan-2015*	02-Feb-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Neguinha, 08 years old, 22 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 001/17 and exp date unknown, topically, from head to tail), applied by the reporter twice on 27 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she applied FL and it didn´t have anyeffect. The environment has been treated with BUTOX®. There are also another cat and a dog in the same household with similar problem (see cases 18BR001200 and 18BR001201). According to the owner he remebers that 10 year ago FL was applied in 20 cats and it worked. The owner used REVOLUTION® in his animal and according to him, it worked.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						vaccination program not respected)					There is no further information available.
02-Feb-2018	UAE; 18BR001203; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	02-Feb-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jullye, a female Mini Poodle of 12 years old and 4 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, tail and btw the shoulder blades - incorrect application), applied by the reporter on 12 Jan 2018, for flea control. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
02-Feb-2018	UAE; 18BR001205; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Milu, a 3-month-old, 1.5 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (004/17, exp unknown), topic, between the shoulder blades, by the reporter, on 25 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 2 weeks prior to FL, environment treated with K-Othrine. It is unknown if FRONTLINE was applied to Milu in the past. No further information is available.
02-Feb-2018	UAE; 18BR001208; -; Brazil	**Species:** Canine **Breed:** English Bulldog **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	02-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one English Bulldog of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random). The owner believes that FL is not working. No ectoparasites were reported. This is the extent of the information available.
31-Jan-2018	UAE; 18BR001209; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used**	N/A	02-Feb-2018*	4 Week(s) 4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. The owner believes that FL is not working because he continues to see fleas on her dog. This is the extent of the information available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Unknown to Company					
30-Jan-2018	UAE; 18BR001211; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	02-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, more than one dog of unknown signalment were treated with FRONTLINE SPRAY (FL) (lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random), for tick treatment. Lack of efficacy suspected because the owner has discovered ticks on his dogs post product application. This is the extent of the information available.
31-Jan-2018	UAE; 18BR001212; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	01-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random). The owner believes that FRONTLINE did not work as it used to, however she did not mention what happened. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). This is the extent of the information available.
31-Jan-2018	UAE; 18BR001213; -; Brazil	**Species:** Canine **Breed:** Chihuahua **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 2.340 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes	06-Jan-2018*	12-Jan-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one Chihuahua of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jan 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the owner discovered fleas on her dog less than one week post product application. This is the extent of the information available. UPDATE 6 FEB 2018 - The pet owner was contacted and reported that Speedy, a male Chihuahua of 6 months old and 2.340 kg, received, for the first time, one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter one month ago (6 Jan 2018 - estimated date), for flea/tick control. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has not been treated. In addition, the pet has some small lumps and hair loss (due to fleas). No further information is expected.
02-Feb-2018	UAE; 18BR001216; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	02-Feb-2018*	7 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Belinha, a female Maltese of 2 years old and 3.2 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 15 Dec 2017, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another animal in this household that was also treated with FL and it has no issue. No further information is expected.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
02-Feb-2018	UAE; 18BR001220; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Nov-2017*	02-Feb-2018	5 Week(s) 4 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, a dog,male unknown breed, age and weight, received FRONTLINE® (FL) (lot and expdate unknown, topically, between the shouler blades) for flea and tick treatment on an unknown date in December (25 Dec 2017 – date chosen at random). The owner complained about the lack of efficacy because her pet remains with parasites . According to the owner, she already used FL before with no issues (25 Nov 2017 - date chosen at random). Her animal don´t have contact with outside environments. No further information is available.
02-Feb-2018	UAE; 18BR001221; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 16 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mini Maria, a female medium crossbred dog of 6 years old and 16 kg, received one vial of FRONTLINE PLUS DOG M (FL) (013/14 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 31 Jan 2018, for flea treatment. Flea infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with MyPet® and it is unknown if FL has previously been applied . No further information is expected.
03-Feb-2018	UAE; 18BR001226; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	03-Feb-2018*	8 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one female dog of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and expiration unknown), by the reporter, 2 months ago approximately (date presumed 3 Dec 2017), for flea treatment. Lack of efficacy suspected because the owner discovered fleas on her dog on date unknown. Other details were not provided. This is the extent of the information available.
03-Feb-2018	UAE; 18BR001227; PR; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 2 'small dogs' of unknown signalment were treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, twice, on dates not specified (1 Jan 2018 and 1 Feb 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dogs continued to have fleas. FRONTLINE used to be applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). One other dog of the same household that is also on FRONTLINE was reported on 18BR001228. This is the extent of the information available.
03-Feb-2018	UAE;	**Species:** Canine	1	1	0	**Product used:**	01-Jan-2017*	01-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner

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	18BR001228; PR; Brazil	**Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					via e-mail, one 'medium dog' of unknown signalment were treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, twice, on dates not specified (1 Jan 2018 and 1 Feb 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dogs continued to have fleas. FRONTLINE used to be applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR001227. This is the extent of the information available.
05-Feb-2018	UAE; 18BR001229; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	31-Oct-2016*	31-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kita, 08 years old, 30 Kg, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp unknown, topically, between the shoulder blades), for flea and tick treatment, on 31 Jan 2018. The owner complained about the lack of efficacy of FL because she apply the productevery 05 months but this time theparasitesremains in her animal. According to the owner, animal already had parasites 01 month prior (31 Dec 2017 – estimated date) to treatment. The environment has not been treated . No further information is available.
05-Feb-2018	UAE; 18BR001233; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 7.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sofia, a female Poodle of 6 years old and 7.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 2 Feb 2018, for flea treatment. Flea infestation 10 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
05-Feb-2018	UAE; 18BR001237; RS; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Igor, 02 years old, 05 Kilogram, feline, male, Persian, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot 002/17 and date of exp JAN 2019, topically,between the shoulder blades) applied by the owner on 03 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 01 week prior (27 Dec 2017 – estimated date) to treatment. The environment has been treated with K-OTHRINE® and BUTOX®. There are also another cat and a dog in the same household with similar problem (see cases 18BR001238 and 18BR001239). No further information is available.
05-Feb-2018	UAE; 18BR001238; RS; Brazil	**Species:** Feline **Breed:** Persian (No Further Description)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	05-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Felícia, 01 year old, 03 Kilogram, feline, female, Persian, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot 002/17 and date of exp JAN 2019, topically,between the shoulder blades) applied by the owner

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 05 kg				12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					on 03 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 01 week prior (27 Dec 2017 – estimated date) to treatment. The environment has been treated with K-OTHRINE® and BUTOX®. There are also another cat and a dog in the same household with similar problem (see cases 18BR001237 and 18BR001239). No further information is available.
05-Feb-2018	UAE; 18BR001239; RS; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 50 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Pandora, 02 year old, 50 Kilogram, canine, female, Rottweiler, received, 01 pipette of FRONTLINE PLUS DOG XL (FL) (lot and exp date unknown, topically,between the shoulder blades) applied by the owner on 03 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal continues to have fleas. According to the owner animal already had fleas 01 week prior (27 Dec 2017 – estimated date) to treatment. The environment has been treated with K-OTHRINE® and BUTOX®. There are also 02 cats in the same household with similar problem (see cases 18BR001237 and 18BR001238). No further information is available.
05-Feb-2018	UAE; 18BR001241; MG; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 14 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	05-Feb-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Rocco, a male Poodle of 10 years old and 14 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (011/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 16 Jan 2018, for tick treatment. Tick infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and FL was applied in the past with no issue (1 Jul 2017 - chosen at random). There is another dog in this household with the same problem (See case 18BR001242). No further information is expected.
05-Feb-2018	UAE; 18BR001242; MG; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	05-Feb-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Juca, a male Poodle of 6 years old and 8 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (006/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 16 Jan 2018, for tick treatment. Tick infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and FL was applied in the past with no issue (1 Jul 2017 - chosen at random). There is another dog in this household with the same problem (See case 18BR001241). No further information is expected.
05-Feb-2018	UAE; 18BR001243; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Billy, a 7-year-old, 20 kg, male crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 4 Jan 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 3 days prior to FL, environment treated with K-Othrine. It is unknown if FRONTLINE was applied to Billy in the past. One other dog of the same household that is also on FL was reported on 18BR001244. No further information is available.

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05-Feb-2018	UAE; 18BR001244; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nicole, a 9-year-old, 20 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 4 Jan 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 3 days prior to FL, environment treated with K-Othrine. It is unknown if FRONTLINE was applied to Nicole in the past. One other dog of the same household that is also on FL was reported on 18BR001243. No further information is available.
03-Feb-2018	UAE; 18BR001246; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 3.50 Year(s) **Weight:** 6.3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** Capstar (Novartis Lab.); **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	28-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one Lhasa Apso of unknown signalment, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot, exp date, route and location are unknown), applied by the reporter on 27 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. The pet also reacted after FL application (see case 18BR001247). No further information is available. UPDATE 6 FEB 2018 – The pet owner was contacted and he reported that FL was applied topic, base of skull and btw the shoulder blades, to Bolota, male, 3.5 years old, 6.3 kg. Several products were applied to the dog for flea treatment in the past 2 months. Capstar was given to Bolota 3 days prior to FL. Environment treated with some inseticide, only where the dog usually stays. Outdoor access denied. The dog continued to have live fleas. FRONTLINE was applied once in the past (date not specified – 1 Jan 2017 chosen at random), for tick treatment, with no issues. There is no further information expected.
03-Feb-2018	UAE; 18BR001247; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 3.50 Year(s) **Weight:** 6.3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** Capstar (Novartis Lab.); **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	29-Jan-2018	2 Day(s)	D-C	Suspected Adverse Event: As reported by the pet owner via social media, one Lhasa Apso of unknown signalment, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot, exp date, route and location are unknown), applied by the reporter on 27 Jan 2018, for flea treatment. Two days post product application, the pet presented with 'urinary problem'. No other details were provided. The owner also complained about the lack of efficacy of FL (see case 18BR001246). No further information is available. UPDATE 6 FEB 2018 – The pet owner was contacted and he reported that FL was applied topic, base of skull and btw the shoulder blades, to Bolota, male, 3.5 years old, 6.3 kg. Several products were applied to the dog for flea treatment in the past 2 months. Capstar was given to Bolota 3 days prior to FL. He was in good health prior to FL, and has no history of adverse reactions. Starting on 2 days following FL application (29 Jan 2018), the dog presented with blood in urine. The was taken to the clinic on date unknown, and the attending vet suspected on cystitis or calculi. Ultrasound was scheduled for diagnostics. FRONTLINE was applied once in the past (date not specified – 1 Jan 2017 chosen at random), for tick treatment, with no issues. No further information is available.
04-Feb-2018	UAE; 18BR001248; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	07-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 2 dogs were treated with FRONTLINE PLUS. Lack of efficacy suspected because the owner discovered fleas on her dogs 1 week post product application. The owner was contacted and she reported that Pandora, a 14-year-old, 5 kg, female

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		Sex qualifier: Unknown **Age:** 14.00 Year(s) **Weight:** 5 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (091/20, Feb 2019) (PQC case reported on 18BR001252), topic, base of skull and btw the shoulder blades, by the reporter, on 6 Jan 2018, for flea treatment. Flea infestation prior to FL, environment not treated. It is unknown if FRONTLINE was applied to Pandora in the past. One other dog of the same household that is also on FL was reported on 18BR001249. There is also one cat in the same household, that is on FRONTLINE but not infested by fleas anymore. No further information is available.
04-Feb-2018	UAE; 18BR001249; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 2 dogs were treated with FRONTLINE PLUS. Lack of efficacy suspected because the owner discovered fleas on her dogs 1 week post product application. The owner was contacted and she reported that Nika, a 9-year-old, 4 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (091/20, Feb 2019) (PQC case reported on 18BR001252), topic, base of skull and btw the shoulder blades, by the reporter, on 6 Jan 2018, for flea treatment. Flea infestation prior to FL, environment not treated. It is unknown if FRONTLINE was applied to Nika in the past. One other dog of the same household that is also on FL was reported on 18BR001248. There is also one cat in the same household, that is on FRONTLINE but not infested by fleas anymore. No further information is available.
05-Feb-2018	UAE; 18BR001250; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	30 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, July, 05 years old, 05 Kilogram, canine, female, Shih Tzu, received, 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot 008/16 and exp date unknown, topically, between the shoulder blades) applied by the owner on 06 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she used FL and continues to see fleas in her animal. According to the owner animal already had fleas 02 weeks prior (23 Dec 2017 – estimated date) to treatment. The environment has not been treated. There is also another dog in the same household with similar problem (see case 18BR001251). No further information is available.
05-Feb-2018	UAE; 18BR001251; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	30 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Nani, 15 years old, 08 Kilogram, canine, female, Mixed Breed, received, 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot 008/16 and exp date unknown, topically, between the shoulder blades) applied by the owner on 06 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she used FL and continues to see fleas in her animal. According to the owner animal already had fleas 02 weeks prior (23 Dec 2017 – estimated date) to treatment. The environment has not been treated. There is also another dog in the same household with similar problem (see case 18BR001250). No further information is available.
05-Feb-2018	UAE; 18BR001253; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the**	N/A	03-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of dogs received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random), for flea treatment. Lack of efficacy is suspected because the dogs remains with fleas . One similar case was reported on 18BR001254. No further information is available.

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						product used ok?: Unknown to Company					
03-Feb-2018	UAE; 18BR001254; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	03-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of cats received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified, for flea treatment. Lack of efficacy is suspected because the dogs remains with fleas. One similar case was reported on 18BR001253. No further information is available.
05-Feb-2018	UAE; 18BR001256; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	03-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, an unknown dog received on an unknown date (03 Feb 2018 – estimated date) a pipette of FRONTLINE® (FL) (lot, exp date, route and site of administration unknown), for flea/tick treatment. The owner complained about the lack of efficacy of FL because she used FL and it didn´t had any effect. The environment conditions are unknown. No further information is available.
05-Feb-2018	UAE; 18BR001258; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 3.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Princesa, 12 years old, 3.8 Kilogram, canine, female, Mixed Breed, received, 01 pipette of FRONTLINE® (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on saturday (03 Feb 2018 - estimated date), for tick treatment. The owner complained about the lack of efficacy of FL because he used FL and continues to see ticks in his animal. According to the owner animal already had fleas 15 days prior (19 Dec 2017 – estimated date) to treatment. The environment has not been treated. No further information is available.
04-Feb-2018	UAE; 18BR001259; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 3.50 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Jan-2018	03-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a female Labrador x Basset Hound of 3.5 years old and 30 kg, received one vial of FRONTLINE PLUS DOG L (FL) (015/17, Mar 2019, topical, btw the shoulder blades), applied by the reporter on 1 Feb 2018, for flea treatment. The pet has flea allergic dermatitis. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL was also applied on 25 Jan 2018. There is another dog in this household with the same issue (See case 18BR00). No further information is expected.
04-Feb-2018	UAE;	**Species:** Canine	1	1	0	**Product used:**	25-Jan-2018	04-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner,

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	18BR001260; SP; Brazil	**Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 10.5 kg				FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					Xereta, a female medium crossbred dog of 4 years old and 10.5 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Feb 2018, for flea treatment. The pet has flea allergic dermatitis. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and FL was also applied on 25 Jan 2018. There is another dog in this household with the same issue (See case 18BR001259). No further information is expected.
05-Feb-2018	UAE; 18BR001262; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	10-Jan-2018	05-Feb-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bidu, a male Lhasa Apso of 7 months old and 8 kg, received, for the second time one vial of FRONTLINE PLUS DOG S (FL) (014/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 27 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with an unknown product. FL was applied for the first time on 10 Jan 2018. Similar cases were reported on 18BR001263 and 18BR001264. The owner also applied IVOMEC in one dog and it has no issue (see case 18BR001265). No further information is expected.
05-Feb-2018	UAE; 18BR001263; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jan-2018	05-Feb-2018*	26 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Gabi, a female mixed breed cat of 10 years old and 3 kg, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (002/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 10 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with an unknown product. FL was applied for the first time on 10 Jan 2018. Similar cases were reported on 18BR001262 and 18BR001264. The owner also applied IVOMEC in one dog and it has no issue (see case 18BR001265). No further information is expected.
05-Feb-2018	UAE; 18BR001264; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jan-2018	05-Feb-2018*	26 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bibi, a female mixed breed cat of 8 months old and 2 kg, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (002/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 10 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with an unknown product. FL was applied for the first time on 10 Jan 2018. Similar cases were reported on 18BR001262 and 18BR001263. The owner also applied IVOMEC in one dog and it has no issue (see case 18BR001265). No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
06-Feb-2018	UAE; 18BR001269; PR; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	06-Feb-2018*	7 Week(s) 1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the retail store staff member, one dog of approximately 9 kg (other signalment is unknown), was treated with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, btw the shoulder blades and tail - incorrect application), applied by the reporter on 18 Dec 2017, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL was applied in the past with no issue (1 Jul 2017 - chosen at random). No further information is expected.
06-Feb-2018	UAE; 18BR001270; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	06-Jan-2018*	06-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Baby, a 6-year-old, 20 kg, female crossbred dog, was treated with FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, after bath (dog still wet), by the reporter, 1 month ago and 15 days ago approximately (date presumed 6 Jan 2018 and 22 Jan 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one week prior to FL, environment not treated, outdoor access denied. It is unknown if FRONTLINE was applied in the past to the dog. 2 other dogs of the same household that are also on FL were reported on 18BR001271 and 18BR001272. No further information is available.
06-Feb-2018	UAE; 18BR001271; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	06-Jan-2018*	06-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Piter, a 5-year-old, 4 kg, male Shih Tzu, was treated with FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, after bath (dog still wet), by the reporter, 1 month ago and 15 days ago approximately (date presumed 6 Jan 2018 and 22 Jan 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one week prior to FL, environment not treated, outdoor access denied. It is unknown if FRONTLINE was applied in the past to the dog. 2 other dogs of the same household that are also on FL were reported on 18BR001270 and 18BR001272. No further information is available.
06-Feb-2018	UAE; 18BR001272; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	06-Jan-2018*	06-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dolce, a 5-year-old, 4 kg, female Shih Tzu, was treated with FRONTLINE SPRAY (FL) (005/16, exp unknown), topic, whole body, after bath (dog still wet), by the reporter, 1 month ago and 15 days ago approximately (date presumed 6 Jan 2018 and 22 Jan 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one week prior to FL, environment not treated, outdoor access denied. It is unknown if FRONTLINE was applied in the past to the dog. 2 other dogs of the same household that are also on FL were reported on

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						ok?: No (Treatment / vaccination program not respected)					18BR001270 and 18BR001271. No further information is available.
04-Feb-2018	UAE; 18BR001274; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	04-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment, received one vial of FRONTLINE PLUS (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random). Lack of efficacy is suspected because the pet remains with fleas. This is the extent of the information available.
06-Feb-2018	UAE; 18BR001277; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	06-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Rainha, 06 months old, 1.5 kilogram, feline, female, Siamese, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 002/16 and exp date JAN 2018, topically, applied only on the neck), applied by the reporter on 23 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her pet. The environmental conditions are unknown. There is no further information available.
05-Feb-2018	UAE; 18BR001283; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 13.00 Month(s) **Weight:** 4.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Feb-2018*	03-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Simon, a 13-month-old, 4.2 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for the first time, 'last Friday' (date presumed 2 Feb 2018), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation one week prior to FL, environment not treated. SAE case reported on 18BR001284. No further information is available.
05-Feb-2018	UAE; 18BR001284; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 13.00 Month(s)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical /	02-Feb-2018*	04-Feb-2018*	2 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Simon, a 13-month-old, 4.2 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for the first time, 'last Friday' (date presumed 2 Feb 2018), for flea treatment. Starting on 2 days following product application (4 Feb 2018), the cat experienced hair loss near the tail, reddening of the skin and fever. The cat was taken to the vet clinic, however details regarding diagnostics and treatment were not provided. SLOE

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		Weight: 4.2 kg				Cutaneous **Was the product used ok?:** Yes					case reported on 18BR001283. There is no further information available.
06-Feb-2018	UAE; 18BR001289; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	06-Feb-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Bob, 10 years old, 05 Kilogram, canine, male, Mixed Breed, received, 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on 28 Jan 2018, for flea/tick control. The owner complained about the lack of efficacy of FL because she saw ticks in her animal. The environment has been treated with BUTOX®. No further information is available.
05-Feb-2018	UAE; 18BR001291; -; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 1.6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	06-Jan-2017*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female Poodle of 10 years old and 1.6 kg, received FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2017 - chosen at random). The owner believes that FL is not working. No ectoparasites were reported. Similar cases were reported on 18BR001290 and 18BR001292. This is the extent of the information available.
05-Feb-2018	UAE; 18BR001292; -; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 1.6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	06-Feb-2017*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female Poodle of 10 years old and 1.6 kg, received FRONTLINE 'pipette' (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2017 - chosen at random). The owner believes that FL is not working. No ectoparasites were reported. Similar cases were reported on 18BR001290 and 18BR001291. This is the extent of the information available.
06-Feb-2018	UAE; 18BR001296; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	06-Feb-2018*	6 Month(s) 1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Marry, a female mixed breed cat of 1 year old and 4 kg, was treated with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, btw the shoulder blades, back and tail), applied by the reporter on 1 Aug 2017 (estimated date), for flea treatment. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environmnet has been treated with an unknown product and it is unknown if FL has previously been applied. 11 animals were treated with FL and they have no issue. No further information is expected.
05-Feb-2018	UAE; 18BR001297;	**Species:** Canine **Breed:** Retriever	1	1	0	**Product used:** FIPRONIL	N/A	06-Feb-2018*	5 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one Golden Retriever of 3 years old (other

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	-; Brazil	(Golden) **Sex:** U **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** Unknown				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					signalment is unknown), received one vial FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on 30 Dec 2017. Lack of efficacy is suspected because the pet has fleas. In addition, the dog is presenting wounds around the body (due to fleas). This is the extent of the information available.
05-Feb-2018	UAE; 18BR001298; SP; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	12 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Chico, 04 years old, unknown weight, canine, male, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG ® (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on november (10 Nov 2017 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his animal. The environment has not been treated. Animal does not have contact with the street, stays in the yard. There are another 02 dogs in the same household with similar problem (see cases 18BR001299 and 18BR001300). The 03 dogs also received FRONTLINE SPOT-ON DOGS® (see cases 18BR001301 to 18BR001303). One of the dogs also had a suspected adverse reaction (see case 18BR001304). No further information is available.
05-Feb-2018	UAE; 18BR001299; SP; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	12 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Coca, 09 years old, unknown weight, canine, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG ® (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on november (10 Nov 2017 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his animal. The environment has not been treated. Animal does not have contact with the street, stays in the yard. There are another 02 dogs in the same household with similar problem (see cases 18BR001298 and 18BR001300). The 03 dogs also received FRONTLINE SPOT-ON DOGS® (see cases 18BR001301 to 18BR001303). One of the dogs also had a suspected adverse reaction (see case 18BR001304). No further information is available.
05-Feb-2018	UAE; 18BR001300; SP; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	12 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Dolly, 09 years old, unknown weight, canine, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG ® (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on november (10 Nov 2017 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his animal. The environment has not been treated. Animal does not have contact with the street, stays in the yard. There are another 02 dogs in the same household with similar problem (see cases 18BR001298 and 18BR001299). The 03 dogs also received FRONTLINE SPOT-ON DOGS® (see cases 18BR001301 to 18BR001303). One of the dogs also had a suspected adverse reaction (see case 18BR001304). No further information is available.
05-Feb-2018	UAE; 18BR001301;	**Species:** Canine **Breed:** Canine	1	1	0	**Product used:** FIPRONIL SPOT	N/A	05-Feb-2018*	12 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Chico, 04 years old, unknown weight, canine, male, Mixed Breed, received,

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	SP; Brazil	Other **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** Unknown				ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					01 pipette of FRONTLINE SPOT-ON DOGS ® (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on january (10 Jan 2018 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his animal . The environment has not been treated. Animal does not have contact with the street, stays in the yard. There are another 02 dogs in the same household with similar problem (see cases 18BR001302 and 18BR001303). The 03 dogs also received FRONTLINE PLUS DOG ® (see cases 18BR001298 to 18BR001300). One of the dogs also had a suspected adverse reaction (see case 18BR001304). No further information is available.
05-Feb-2018	UAE; 18BR001302; SP; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	12 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Coca, 09 years old, unknown weight, canine, male, Mixed Breed, received, 01 pipette of FRONTLINE SPOT-ON DOGS ® (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on january (10 Jan 2018 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his animal . The environment has not been treated. Animal does not have contact with the street, stays in the yard. There are another 02 dogs in the same household with similar problem (see cases 18BR001301 and 18BR001303). The 03 dogs also received FRONTLINE PLUS DOG ® (see cases 18BR001298 to 18BR001300). One of the dogs also had a suspected adverse reaction (see case 18BR001304). No further information is available.
05-Feb-2018	UAE; 18BR001303; SP; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	12 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Dolly, 09 years old, unknown weight, canine, male, Mixed Breed, received, 01 pipette of FRONTLINE SPOT-ON DOGS ® (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on january (10 Jan 2018 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL because he continues to see fleas in his animal . The environment has not been treated. Animal does not have contact with the street, stays in the yard. There are another 02 dogs in the same household with similar problem (see cases 18BR001301 and 18BR001302). The 03 dogs also received FRONTLINE PLUS DOG ® (see cases 18BR001298 to 18BR001300). One of the dogs also had a suspected adverse reaction (see case 18BR001304). No further information is available.
05-Feb-2018	UAE; 18BR001304; SP; Brazil	**Species:** Canine **Breed:** Canine Other **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Jan-2018*	8 Week(s) 6 Day(s)	D-D	Suspected Adverse Event : As reported by the owner, Coca, 09 years old, unknown weight, canine, male, Mixed Breed, received, 01 pipette of FRONTLINE SPOT-ON DOGS ® (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on january (10 Jan 2018 – date chosen at random), for flea treatment. According to the owner after application (11 Jan 2018 – date chosen at random) his animal continued to scratch and the animal presented erythema. It is unknown if the animal was taken to the veterinary or is under any treatment. The current health state is unknown. There are also another 02 dogs in the same household. All 03 dogs had 02 suspected lack of efficacys with frontline® (see cases 18BR001298 to 18BR001303. No further information is available.
07-Feb-2018	UAE; 18BR001305;	**Species:** Canine **Breed:** Lhasa	1	1	0	**Product used:** FIPRONIL	N/A	30-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Snoop, a 7-year-old, 8 kg, male Lhasa Apso, was treated with one

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	SP; Brazil	Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 8 kg				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 29 Jan 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 2 days prior to FL, environment treated with Triatox. It is unknown if FRONTLINE was applied to Snoop in the past. No further information is available.
07-Feb-2018	UAE; 18BR001308; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Neguinha, a 4-year-old, 8 kg, female Pinscher, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by DVM, on 20 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 4 months prior to FL, environment not treated. It is unknown if FRONTLINE was applied to Neguinha in the past. No further information is available.
06-Feb-2018	UAE; 18BR001310; SC; Brazil	**Species:** Canine **Breed:** Chihuahua **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 2.9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	06-Feb-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Melissa, 05 years old, 2.9 kilograms, canine, female, Chihuahua, received, 01 pipette of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on 01 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. The environment has not been treated. There are other 04 dogs and one cat in the same household but only 01 of these dogs continues to have fleas too (see case 18BR001311). All animals were treated with FRONTLINE®. No further information is available.
06-Feb-2018	UAE; 18BR001311; SC; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	06-Feb-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Queen, 05 years old, 35 kilograms, canine, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp date unknown, topically, between the shoulder blades) applied by the owner on 01 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. The environment has not been treated. There are other 04 dogs and one cat in the same household but only 01 of these dogs continues to have fleas too (see case 18BR001310). All animals were treated with FRONTLINE®. No further information is available.
05-Feb-2018	UAE; 18BR001312; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	07-Feb-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter around 1 month ago (5 Jan 2018 - estimated date), for flea treatment. Lack of efficacy is

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** - **Weight:** Unknown				**Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					suspected because the pet remains with fleas. In addition, he is scratching himself (due to fleas). There is another animal in this household with the same issue (see case 18BR001313). This is the extent of the information available.
05-Feb-2018	UAE; 18BR001313; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	05-Feb-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one cat of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter around 1 month ago (5 Jan 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. In addition, he is scratching himself (due to fleas). There is another animal in this household with the same issue (see case 18BR001312). This is the extent of the information available.
07-Feb-2018	UAE; 18BR001314; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Jan-2018*	07-Feb-2018	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bindo, a male mixed breed cat of 10 years old and 6 kg, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 15 days ago (23 Jan 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. There is another cat in this household with the same issue (See case 18BR001315). The owner also complained about the lack of efficacy of FL SPOT-ON CATS (see cases 18BR001316 and 18BR001317). No further information is expected.
07-Feb-2018	UAE; 18BR001315; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Jan-2018*	07-Feb-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Iris, a female mixed breed cat of 4 years old and 6 kg, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 15 days ago (23 Jan 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. There is another cat in this household with the same issue (See case 18BR001314). The owner also complained about the lack of efficacy of FL SPOT-ON CATS (see cases 18BR001315 and 18BR001316). No further information is expected.
07-Feb-2018	UAE; 18BR001316; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous	07-Dec-2017*	10-Dec-2017*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bindo, a male mixed breed cat of 10 years old and 6 kg, received, for the first time, one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 2 months ago (7 Dec 2017 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. There is another cat in this household with the same issue

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Year(s) **Weight:** 6 kg				**Was the product used ok?:** Yes					(See case 18BR001316). The owner also complained about the lack of efficacy of FL PLUS CATS (see cases 18BR001314 and 18BR001315). No further information is expected.
07-Feb-2018	UAE; 18BR001317; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Dec-2017*	10-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Iris, a female mixed breed cat of 4 years old and 6 kg, received, for the first time, one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 2 months ago (7 Dec 2017 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. There is another cat in this household with the same issue (See case 18BR001316). The owner also complained about the lack of efficacy of FL PLUS CATS (see cases 18BR001314 and 18BR001315). No further information is expected.
07-Feb-2018	UAE; 18BR001318; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 8 kg	2	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cookie, a 9-year-old, 8 kg, male Shih Tzu, was treated with FRONTLINE SPRAY (FL) (014/16, exp unknown), topic, whole body, by the reporter, 10 days ago (date presumed 28 Jan 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated. It is unknown if FRONTLINE was applied to Cookie in the past. One cat of the same household that is also on FL is not infested by fleas. There is no further information available.
06-Feb-2018	UAE; 18BR001323; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jul-2017*	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment, was treated with FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . This is the extent of the information available.
07-Feb-2018	UAE; 18BR001327; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Feb-2018	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Fumaça, a male mixed breed cat of 2 years old and unknown weight, received one vial of FRONTLINE SPOT-ON CATS (FL) (021/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 7 Feb 2018, for flea treatment. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another cat in this household with the same issue (See case 18BR001328). No further information is expected. UPDATE 09 Feb 2018 – The owner called again to complaint that her animals remains with fleas. The owner does not know if animals had fleas previous to FL application, according to her they were scratching. They stay in the yard where they have contact with other cats. No further information is

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											available.
07-Feb-2018	UAE; 18BR001328; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Feb-2018	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kiara, a female mixed breed cat of 2 years old and unknown weight, received one vial of FRONTLINE SPOT-ON CATS (FL) (021/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 7 Feb 2018, for flea treatment. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another cat in this household with the same issue (See case 18BR001327). No further information is expected. UPDATE 09 Feb 2018 – The owner called again to complaint that her animals remains with fleas. The owner does not know if animals had fleas previous to FL application, according to her they were scratching. They stay in the yard where they have contact with other cats. No further information is available.
07-Feb-2018	UAE; 18BR001332; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Feb-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ozzy, a male Yorkshire of 3 years old and 6 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 10 days ago (28 Jan 2018 - estimated date), for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
06-Feb-2018	UAE; 18BR001337; MG; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Nov-2017*	06-Feb-2018*	1 Day(s)	D-D	Suspected Adverse Event : As reported by the owner, an unknown dog, 10 kilogram received 01 pipette of FRONTLINE DOG M® , on an unknown date (05 Feb 2018 – estimated date),for tick treatment. The owner complained about the lack of efficay of FL because she continues to see live ticks on her dog. The animal already received FL in the past with no issues (06 Nov 2017 - date chosen at random). No further information is available. UPDATE 9 FEB 2018 - The pet owner was contacted and reported that Nick, a male Poodle of 8 years old and 10 kg, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Feb 2018. The surrounding environment has not been treated. No further information is expected.
08-Feb-2018	UAE; 18BR001347; SP; Brazil	**Species:** Canine **Breed:** Beagle **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	08-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Nini, 09 years old, 10 kilograms, canine, female, Beagle, received, 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 014/17 and exp date FEB 2019, topically, between the shoulder blades) applied by the owner 01 week ago (01 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. The environment has been treated but the owner couldn´t inform the products name. There are another 02 dogs in the same household with similar problem (see cases 18BR001348 and 18BR001349). No further information is available.

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						ok?: Yes					
08-Feb-2018	UAE; 18BR001348; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 07 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Megan, 07 years old, 07 kilograms, canine, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 014/17 and exp date FEB 2019, topically, between the shoulder blades) applied by the owner 01 week ago (01 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. The environment has been treated but the owner couldn´t inform the products name. There are another 02 dogs in the same household with similar problem (see cases 18BR001347 and 18BR001349). No further information is available.
08-Feb-2018	UAE; 18BR001349; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Mel, 12 years old, 10 kilograms, canine, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS DOG S (FL) (lot 014/17 and exp date FEB 2019, topically, between the shoulder blades) applied by the owner 01 week ago (01 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. The environment has been treated but the owner couldn´t inform the products name. There are another 02 dogs in the same household with similar problem (see cases 18BR001347 and 18BR001348). No further information is available.
07-Feb-2018	UAE; 18BR001355; -; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jul-2017*	01-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Bela, a female small crossbred dog of 4 years old and 5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (017/16, Nov 2018, topical, btw the shoulder blades), applied by the reporter in the end of 2017 (20 Dec 2017 - chosen at random). Lack of efficacy is suspected because the pet had ticks . Currently, the pet has no ticks. The surrounding environment has not been treated. FL was applied in the past with no issue (1 Jul 2017 - chosen at random). There is another dog in this household that was treated with FL and it has no ectoparasite . This is the extent of the information available.
07-Feb-2018	UAE; 18BR001361; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4.6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chanel, a 4-year-old, 4.6 kg, female mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 27 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation prior to FL, environment treated with Termidil . It is unknown if FRONTLINE was applied to the pet in the past. 5 other pets of the same household that are also on FRONTLINE were reported on 18BR001358, 18BR001359, 18BR001360, 18BR001362 and 18BR001363. There is no further information available.
07-Feb-2018	UAE; 18BR001362; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products**	N/A	28-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Borys, a 3-year-old, 3 kg, male mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the

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		Sex: M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					reporter, on 27 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation prior to FL, environment treated with Termidil. It is unknown if FRONTLINE was applied to the pet in the past. 5 other pets of the same household that are also on FRONTLINE were reported on 18BR001358, 18BR001359, 18BR001360, 18BR001361 and 18BR001363. There is no further information available.
07-Feb-2018	UAE; 18BR001363; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tiga, a 2-year-old, 3.5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 27 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation prior to FL, environment treated with Termidil. It is unknown if FRONTLINE was applied to the pet in the past. 5 other pets of the same household that are also on FRONTLINE were reported on 18BR001358, 18BR001359, 18BR001360, 18BR001361 and 18BR001362. There is no further information available.
08-Feb-2018	UAE; 18BR001365; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	09-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nick, a 4-year-old, 7 kg, male Shih Tzu, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, one month ago (date presumed 8 Jan 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment not treated. It is unknown if FRONTLINE was applied to Nick in the past. As FL did not work, NEXGARD was given to the dog, but the product was not working also (see 18BR001367). No further information is available.
08-Feb-2018	UAE; 18BR001366; SP; Brazil	**Species:** Canine **Breed:** Setter (Irish) **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 38 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	08-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kienon, a male Irish Setter of 6 years old and 38 kg, was treated with FRONTLINE SPRAY (FL) (011/16, unknown exp date, topical, back - incorrect application), applied by the reporter on 5 Feb 2018, for tick treatment. Tick infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin and FL was applied in the past with no issue (1 Jul 2017 - chosen at random). Another case was reported on 18BR001368. No further information is expected.
21-Feb-2018	UAE; 18BR001368; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical /	01-Jul-2017*	08-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bruce, a male large crossbred dog of 3 years old and 30 kg, was treated with FRONTLINE SPRAY (FL) (011/16, unknown exp date, topical, back - incorrect application), applied by the reporter on 5 Feb 2018, for tick treatment. Tick infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin

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		Age: 3.00 Year(s) **Weight:** 30 kg				Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					and it is unknown if FL has previously been applied. Another case was reported on 18BR001366. No further information is expected.
07-Feb-2018	UAE; 18BR001373; RS; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 2.65 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	07-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: As initially reported by the pet owner, Duda, a 6-year-old, 2.65 kg, female Yorkshire Terrier, was treated with FRONTLINE PLUS DOG S (FL) (001/17, Nov 2018), by the reporter, today (7 Feb 2018). Since product application (time to onset not specified), the dog was experiencing apathy and appetite loss. Other details were not provided. This is the extent of the information available for now.
07-Feb-2018	UAE; 18BR001376; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one dog was treated with FRONTLINE, however lack of efficacy was mentioned by her because the pet continued to have fleas. The owner was contacted and she reported that Bhraminha, a 4-year-old, 10 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (025/17, Apr 2019), topic, base of skull and btw the shoulder blades, by the retail store staff, on 2 Feb 2018, for flea treatment. Flea infestation 3 days prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. Flea allergy dermatitis also suspected by the owner, because Bhraminha was presenting with 'skin irritation on her belly'. No further information is available.
08-Feb-2018	UAE; 18BR001378; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jan-2017*	04-Jan-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 01 to 02 dogs (the others have already been quoted in cases 18BR000147 and 18BR000150) , Mixed Breed, received a pipette of FRONTLINE® (FL) (lot, exp date, route and site of administration unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL . According to her the product used to work (01 Jan 2017 – date chosen at random) but now it doesn´t anymore and her animals remains with fleas. The environment has been treated with an unknown product. The owner used a different product to treat her dogs and according to her she had success. There are another dogs with the same problem reported in the past (see cases 18BR000142 to 18BR000147, 18BR000149 and 18BR000150). The owner also reported a French Bulldog (see case 18BR001377) with similar problem. No further information is available.
09-Feb-2018	UAE; 18BR001387; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other	19-Jan-2018	09-Feb-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maria Eduarda, a female Siamese of 3 months old and 1.3 kg, received FRONTLINE SPRAY (FL) (001/17, Dec 2018, topical, whole body), applied by the reporter on 3 Feb 2018, for flea treatment. Flea infestation 1 day prior to FL. Lack of efficacy is

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 3.00 Month(s) **Weight:** 1.3 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					suspected because the pet remains with fleas. The surrounding environment has not been treated and FL was applied for the first time on 19 Jan 2018. No further information is expected.
09-Feb-2018	UAE; 18BR001390; MG; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Nov-2017*	09-Feb-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Chico, 03 months old, 02 kilogram, canine, male, Poodle, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot and exp date unknown, topically, in the whole body), applied by the reporter 15 days ago (25 Jan 2018 – estimated date), for flea and tick control. The owner complained about the lack of efficacy of FL because ticks appeared in her animal. The environment has not been treated. According to the owner that was the third time she applied the product and the other times it worked (first application 25 Nov 2017 – date chosen at random). There is no further information available.
09-Feb-2018	UAE; 18BR001391; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	09-Feb-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim : as reported by the owner, an unknown dog received FRONTLINE® for flea and tick treatment, on an unknown date (01 Feb 2018 – date chosen at random). The owner complained that FL protects againt fleasfor only 20days and a little more for ticks but after this period they appear again. It is unknown the environmental conditions and treatment frequency. No further information is available.
09-Feb-2018	UAE; 18BR001392; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Mingau, 02 years old, 03 kilograms, feline, male, Mixed Breed, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot and exp date, topically, between the shoulder blades) applied by the owner on 15 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she applied the product again in 22 Jan 2018 and it worked. The environment has been treated with k-OTHRINE. There is another cat in the same household with similar problem (see case 18BR001393). No further information is available.
09-Feb-2018	UAE; 18BR001393; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	16-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy : As reported by the owner, Anegla, 01 year old, 02 kilograms, feline, female, Mixed Breed, received, 01 pipette of FRONTLINE PLUS CAT (FL) (lot and exp date, topically, between the shoulder blades) applied by the owner on 15 Jan 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she applied the product again in 22 Jan 2018 and it worked. The environment has been treated with k-OTHRINE. There is another cat in the same household with similar problem (see case 18BR001392). No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
08-Feb-2018	UAE; 18BR001394; RJ; Brazil	**Species:** Canine **Breed:** Spaniel (Cocker) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Feb-2018	08-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment received FRONTLINE SPOT-ON (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on 7 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. This is the extent of the information available. UPDATE 12 FEB 2018 – The pet owner was contacted and she reported that Jack, a 2-year-old, 7 kg, male Cocker Spaniel, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL), topic, base of skull and btw the shoulder blades, by the reporter, for the first time. Flea infestation 3 days prior to FL, environment not treated, outdoor access denied, stray cats in the neighborhood. There is no further information expected.
08-Feb-2018	UAE; 18BR001401; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	08-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female dog of unknown signalment received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random). The owner believes that FL is not working. No ectoparasites were reported. Details were not provided. No further information is available.
09-Feb-2018	UAE; 18BR001402; -; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 11 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Feb-2018	06-Feb-2018	4 Day(s)	D-D	Suspected Adverse Event : As reported by the owner, Dany, 02 years old, 11 kilograms, canine, female, Mixed Breed, received for the first time, 01 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp date, topically, between the shoulder blades) applied by the owner on 02 Feb 2018, for unknown reason. According to the owner on 08 Feb 2018 the animal start to present hair loss and wounds in the application site and loss of appetite. The animal was not taken to the veterinary and isnt under any treatment. The animal didn´t recover. No further information is available. UPDATE 14 Feb 2018 – The owner was contacted and inform that 04 days after application noticed the animal had reddening of the skin and wounds. The owner bathed the animal and the animal presented hair loss. The animal returned to eat normally, the reddening of the skin disappeared (14 Feb 2018 - date chosen at random), but still has some wounds. The animal was not taken to the veterinary . No further information is available.
09-Feb-2018	UAE; 18BR001406; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown	N/A	09-Feb-2018*	5 Week(s) 4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, 3 dogs of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018 - chosen at random), for flea/tick treatment. The owner believes that FL is not working because she continues to see fleas and ticks on her dogs. This is the extent of the information available. UPDATE 9 MAR 2018 - The pet owner reported again via social media that she administered NEXGARD on date not specified (1 Mar 2018 - chosen at random) and her dogs have no ectoparasites. No further information is known.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						to Company					
09-Feb-2018	UAE; 18BR001408; MG; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** U **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 7 kg	2	2	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	09-Feb-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 Poodle around 2 years old and approximately 7 kg, received FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 7 Jan 2018, for tick treatment. Tick infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001409, 18BR001410, 18BR001411 and 18BR001412. No further information is expected.
09-Feb-2018	UAE; 18BR001409; MG; Brazil	**Species:** Canine **Breed:** Collie **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Month(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	09-Feb-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Toby, a male Collie of 10 months old and 9 kg, received FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 7 Jan 2018, for tick treatment. Tick infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001408, 18BR001410, 18BR001411 and 18BR001412. No further information is expected.
09-Feb-2018	UAE; 18BR001410; MG; Brazil	**Species:** Canine **Breed:** Collie **Sex:** U **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 11 - 17 kg	10	10	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	09-Feb-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 10 Collie of 2 - 5 years old and 11 - 17 kg, received FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 7 Jan 2018, for tick treatment. Tick infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001408, 18BR001409, 18BR001411 and 18BR001412. No further information is expected.
09-Feb-2018	UAE; 18BR001411; MG; Brazil	**Species:** Canine **Breed:** Collie **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 20 - 23 kg	4	4	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	09-Feb-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 4 female Collie of 4 - 10 years old and 20 - 23 kg, received FRONTLINE SPOT-ON DOG L (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 7 Jan 2018, for tick treatment. Tick infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001408, 18BR001409, 18BR001410 and

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: No (Treatment / vaccination program not respected)					18BR001412. No further information is expected.
09-Feb-2018	UAE; 18BR001412; MG; Brazil	**Species:** Canine **Breed:** Collie **Sex:** U **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 23 kg	2	2	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	09-Feb-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 Collie of approximately 2 years old and around 23 kg, received FRONTLINE SPOT-ON DOG L (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 7 Jan 2018, for tick treatment. Tick infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001408, 18BR001409, 18BR001410 and 18BR001411. No further information is expected.
12-Feb-2018	UAE; 18BR001413; SC; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Species not indicated / recommended)	N/A	12-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Dorinha, a 4-year-old, 3 kg approximately, female crossbred Siamese cat, was treated with one vial of FRONTLINE for dogs (presentation, size, lot and exp unknown), by the reporter's sister, on 11 Feb 2018, near 7:00 pm. Dorinha was in good health prior to FRONTLINE, and has no history of adverse reactions. 9 hours later (4:00 am), the owner noticed his cat shaking and presenting with dilated pupils. Activated charcoal was administered for treatment, but the signs are still ongoing. No vet care was provided. There is no information regarding use of FRONTLINE in the past. There is no further information expected.
12-Feb-2018	UAE; 18BR001414; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 60 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	29-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Rufy, an 8-year-old, 60 kg, male Labrador Retriever, was treated with FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, back, by the reporter, on 21 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 2 days prior to FL, environment treated with Butox. Other dog of the same household that is also on FL was reported on 18BR001415. No further information is available.
12-Feb-2018	UAE; 18BR001415; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F	1	1	0	**Product used:** FIPRONIL SPRAY **Other products**	N/A	29-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Hanna, a 2-month-old, 5 kg, female Labrador Retriever, was treated with FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, back, by the reporter, on 21 Jan 2018, for flea treatment.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Unknown **Age:** 2.00 Month(s) **Weight:** 5 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 2 days prior to FL, environment treated with Butox. Other dog of the same household that is also on FL was reported on 18BR001414. No further information is available.
12-Feb-2018	UAE; 18BR001424; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	12-Feb-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one male cat of unknown signalment was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), by the reporter, on date not specified (1 Feb 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Other details were not provided. Other cat of the same household that is also on FL was reported on 18BR001425. This is the extent of the information available for now. UPDATE 16 FEB 2018 - The pet owner was contacted and reported that Tom, a male mixed breed cat of 3 years old and 3 kg, received one vial of FL (005/17, unknown exp date, topical btw the shoulder blades) on 8 Feb 2018. The surrounding environment has not been treated. FL was applied in the past with no issue (1 Jul 2017 - chosen at random). No further information is expected.
12-Feb-2018	UAE; 18BR001425; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jul-2017*	10-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one female cat of unknown signalment was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), by the reporter, on date not specified (1 Feb 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Other details were not provided. Other cat of the same household that is also on FL was reported on 18BR001424. This is the extent of the information available for now. UPDATE 16 FEB 2018 - The pet owner was contacted and reported that Belinha, a female mixed breed cat of 3 years old and 1.5 kg, received one vial of FL (topical btw the shoulder blades) on 8 Feb 2018. The surrounding environment has not been treated. FL was applied in the past with no issue (1 Jul 2017 - chosen at random). No further information is expected.
14-Feb-2018	UAE; 18BR001428; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 17.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	22-Nov-2017	14-Feb-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bella, a female mixed breed cat of 17 years old and 3 kg, received, for the second time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 25 Jan 2018, for flea treatment. Flea infestation around 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. There is another cat in this household and it was not treated with any product against fleas. It is unknown if the surrounding environment has been treated. FL was applied for the first time on 22 Nov 2017. No further information is expected.
14-Feb-2018	UAE; 18BR001430;	**Species:** Canine **Breed:** Pinscher	1	1	0	**Product used:** FIPRONIL	02-Feb-2018	02-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Johnny, a male Pinscher of 6 months old and 800 g, received, for

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	RS; Brazil	(Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 800 gms				SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					the second time, 1 mL of FRONTLINE SPRAY (FL) (009/16, Jun 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 9 Feb 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was applied for the first time on 2 Feb 2018. Similar cases were reported on 18BR001431, 18BR001432, 18BR001433, 18BR001434 and 18BR001435. No further information is expected. UPDATE 22 FEB 2018 – The pet owner mentioned he has applied FL according to the instructions on date not specified (19 Feb 2018 chosen at random), however the dog continued to have fleas. Because of that, he still believes that FL is not working as well as it used to. No further information is known.
14-Feb-2018	UAE; 18BR001431; RS; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 1.4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Feb-2018	02-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chiquinho, a male Pinscher of 3 years old and 1.4 kg, received, for the second time, 1 mL of FRONTLINE SPRAY (FL) (009/16, Jun 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 9 Feb 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was applied for the first time on 2 Feb 2018. Similar cases were reported on 18BR001430, 18BR001432, 18BR001433, 18BR001434 and 18BR001435. No further information is expected. UPDATE 22 FEB 2018 – The pet owner mentioned he has applied FL according to the instructions on date not specified (19 Feb 2018 chosen at random), however the dog continued to have fleas. Because of that, he still believes that FL is not working as well as it used to. No further information is known.
14-Feb-2018	UAE; 18BR001432; RS; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 0.8 - 2.5 kg	7	7	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Feb-2018	02-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 7 female Pinscher of 6 months old to 14 years old and 800 g to 2.5 kg, received, for the second time, 1 mL of FRONTLINE SPRAY (FL) (009/16, Jun 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 9 Feb 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was applied for the first time on 2 Feb 2018. Similar cases were reported on 18BR001430, 18BR001431, 18BR001433, 18BR001434 and 18BR001435. No further information is expected. UPDATE 22 FEB 2018 – The pet owner mentioned he has applied FL according to the instructions on date not specified (19 Feb 2018 chosen at random), however the dogs continued to have fleas. Because of that, he still believes that FL is not working as well as it used to. No further information is known.
14-Feb-2018	UAE; 18BR001433; RS; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	02-Feb-2018	02-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female Yorkshire Pinscher of 14 years old and 2.5 kg, received, for the second time, 1 mL of FRONTLINE SPRAY (FL) (009/16, Jun 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 9 Feb 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was applied for the first time on 2 Feb 2018. Similar cases were reported on 18BR001430, 18BR001431, 18BR001432, 18BR001434 and

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					18BR001435. No further information is expected. UPDATE 22 FEB 2018 – The pet owner mentioned he has applied FL according to the instructions on date not specified (19 Feb 2018 chosen at random), however the dog continued to have fleas. Because of that, he still believes that FL is not working as well as it used to . No further information is known.
14-Feb-2018	UAE; 18BR001434; RS; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 21.00 Day(s) **Weight:** 300 gms	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Feb-2018	02-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 male Pinscher of approximately 21 days old and around 300g, received, for the second time, 1 mL of FRONTLINE SPRAY (FL) (009/16, Jun 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 9 Feb 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was applied for the first time on 2 Feb 2018. Similar cases were reported on 18BR001430, 18BR001431, 18BR001432, 18BR001433 and 18BR001435. No further information is expected. UPDATE 22 FEB 2018 – The pet owner mentioned he has applied FL according to the instructions on date not specified (19 Feb 2018 chosen at random), however the puppies continued to have fleas. Because of that, he still believes that FL is not working as well as it used to . No further information is known.
14-Feb-2018	UAE; 18BR001435; RS; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 21.00 Day(s) **Weight:** 300 gms	4	4	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Feb-2018	02-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 4 female Pinscher of approximately 21 days old and around 300g, received, for the second time, 1 mL of FRONTLINE SPRAY (FL) (009/16, Jun 2018, topical, btw the shoulder blades - incorrect application), applied by the reporter on 9 Feb 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was applied for the first time on 2 Feb 2018. Similar cases were reported on 18BR001430, 18BR001431, 18BR001432, 18BR001433 and 18BR001434. No further information is expected. UPDATE 22 FEB 2018 – The pet owner mentioned he has applied FL according to the instructions on date not specified (19 Feb 2018 chosen at random), however the puppies continued to have fleas. Because of that, he still believes that FL is not working as well as it used to. No further information is known.
14-Feb-2018	UAE; 18BR001436; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Feb-2018*	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Alan, a male Maltese of 4 years old and 6.8 kg, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Feb 2018 - chosen at random). Three hours after product application, the pet presented with vomiting, diarrhea and anorexia. The pet was taken to the vet, but the details were not provided. The current status is unknown. No further information is available.
14-Feb-2018	UAE; 18BR001437; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	14-Feb-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female Yorkshire of 6 months old and 1.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, neck - incorrect application), applied by the

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Unknown **Age:** 6.00 Month(s) **Weight:** 1.5 kg				9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					reporter on 30 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. No further information is expected.
14-Feb-2018	UAE; 18BR001439; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jan-2018	14-Feb-2018*	5 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Milk, a male mixed breed cat of 3 years old and 3.5 kg, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 10 Jan 2018, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treatd with deltamethrin. No further information is expected.
14-Feb-2018	UAE; 18BR001440; SC; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Dec-2017*	08-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Lili, 03 months old, 0,3 kilogram, feline, female, Siamese, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 001/17 and exp date DEC 2018, topically, in the whole body), applied by the reporter 01 week ago (07 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because she applied 03 times in a range of 2 months (07 Dec 2017 and 07 Jan 2018 - dates chosen at random) and her animal continues with fleas. The environment has not been treated. According to the owner she adopted the cat 02 months ago and she already came with fleas. There is also another cat in thesame household, treated with FL without any issue. There is no further information available.
14-Feb-2018	UAE; 18BR001441; DF; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	09-Feb-2018*	10-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Diana, 07 months old, 20 kilogram, canine, female, Rottweiler, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 014/16 and exp date NOV 2018, topically, almost in the whole body, except knees), applied by the reporter on 09 Feb 2018, for flea and tick treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. The environment has been treated with an unknown insecticide. According to the owner animal already had parasites 02 days prior to treatment. The owner also applied the portion of FL that left in the flask, over the fleas in her animal belly, yesterday (13 Feb 2018). There is also another dog in the same household with similar problem see case (18BR001442). There is no further information available.
14-Feb-2018	UAE; 18BR001442;	**Species:** Canine **Breed:** Rottweiler	1	1	0	**Product used:** FIPRONIL	09-Feb-2018*	10-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Logan, 08 months old, 20 kilogram, canine, male, Rottweiler,

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	DF; Brazil	**Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 20 kg				SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 014/16 and exp date NOV 2018, topically, almost in the whole body, except knees), applied by the reporter on 09 Feb 2018, for flea and tick treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal . The environment has been treated with an unknown insecticide. According to the owner animal already had parasites 02 days prior to treatment. The owner also applied the portion of FL that left in the flask, over the fleas in her animal belly, yesterday (13 Feb 2018). There is also another dog in the same household with similar problem see case (18BR001441). There is no further information available.
14-Feb-2018	UAE; 18BR001443; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	12-Jan-2018*	14-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pituquinha, a female Pinscher of 14 years old and 2 kg, was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, whole body), applied by the reporter on 12 Feb 2018 (estimated date), for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with deltamethrin. FL has been applied weekly since 1 month ago (14 Feb 2018 - estimated date). Similar cases were reported on 18BR001444 and 18BR001445. No further information is expected.
14-Feb-2018	UAE; 18BR001444; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	12-Jan-2018*	14-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Melissa, a female Pinscher of 4 years old and 2 kg, was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, whole body), applied by the reporter on 12 Feb 2018 (estimated date), for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with deltamethrin. FL has been applied weekly since 1 month ago (14 Feb 2018). Similar cases were reported on 18BR001443 and 18BR001445. No further information is expected.
14-Feb-2018	UAE; 18BR001445; SP; Brazil	**Species:** Canine **Breed:** Shepherd Dog (Others) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination	12-Jan-2018*	14-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Preta, a female Belgian Shepherd of 5 years old and 12 kg, was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, whole body), applied by the reporter on 12 Feb 2018 (estimated date), for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with deltamethrin. FL has been applied weekly since 1 month ago (14 Feb 2018). Similar cases were reported on 18BR001443 and 18BR001444. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						program not respected)					
14-Feb-2018	UAE; 18BR001447; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Windy, a female, Shih Tzu, 08 years old and 06 kg, received one vial of FRONTLINE PLUS S (FL)(lot 014/17 and exp date FEB 2019, topical, btw the shoulder blades), applied by the reporter on 03 Jan 2018 and 20 days after (23 Jan 2018), for flea treatment. According to the owner, she noticed fleas in her animal 01 day prior to treatment. Lack of efficacy suspected because the pet remains with fleas. The surrounding environment has not been treated, only the dog´s house with an unknown powder. The owner already used FL last year without issues (10 Dec 2017 - date chosen at random). No further information is expected.
14-Feb-2018	UAE; 18BR001448; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 6.7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Timóteo, a male mixed breed cat of 6 years old and 6.7 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 2 Feb 2018, for flea treatment. Flea infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
14-Feb-2018	UAE; 18BR001449; -; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes	20-Dec-2010*	14-Feb-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, an unknown number of dogs of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Feb 2018 - chosen at random). The owner believes that FL is not working (details were not provided). FL was applied in the past with no issue (1 Jul 2017 - chosen at random). This is the extent of the information available. UPDATE 16 Feb 2018 – client was contacted and differentiated the animals. Cicy, age unknown, 05 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE DOG S® (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on December (20 Dec 2017 – date chosen at random), for flea treatment. The owner complaines about the lack of efficacy of FL because nothing happened with the fleas in her animals.According to the owner , she noticed fleas in her pet 07 days prior to treatment. The environment has not been treated with specific product. There are also another 03 dogs in the same household with similar problem (See cases 18BR001557 to 18BR001559). Animals are treated with FL every 03 months for approximately 07 years (20 Dec 2010 – estimated date). No further information is available.
14-Feb-2018	UAE; 18BR001450; MG; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	14-Feb-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Rubi, a female, Shih Tzu of 06 years old and 6.8 kg, received one vial of FRONTLINE PLUS DOG S (FL)(lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 28 Jan 2018, for flea and tick control. Lack of efficacy

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 6.00 Year(s) **Weight:** 6.8 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					suspected because the pet was taken to a bath and 03 ticks were found on 14 Feb 2018, in her pet. The surrounding environment has not been treated. According to the owner, FL is applied monthly. No further information is expected.
14-Feb-2018	UAE; 18BR001454; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Feb-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one female dog of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on 26 Jan 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. In addition, she is scratching herself due to fleas and she is presenting skin lesion (secondary to scratching). Three other dogs were treated with another product and they have no issue. This is the extent of the information available. UPDATE 19 FEB 2018 – The pet owner was contacted and she reported that Fantine, a 4-year-old, 3 kg, female Yorkshire Terrier, was treated with one vial of FRONTLINE PLUS DOG S (FL), topic, base of skull and btw the shoulder blades. Flea infestation prior to FL, environment treated with K-Othrine. Fantine was usually treated with Revolution, but it is unknown if FRONTLINE was applied to her in the past. There is no further information expected.
14-Feb-2018	UAE; 18BR001457; SP; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, female, Daschshund, 04 years old, 04 kilogram, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL)(lot and exp date unknown, topical, btw the shoulder blades), applied by the reporter on 31 Jan 2018, for flea treatment. According to the owner , animal already had fleas 2 to 3 days prior to treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. No further information is expected.
14-Feb-2018	UAE; 18BR001459; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	14-Feb-2018	14-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Maria, a female mixed breed cat of 5 months old and 2 kg, received, for the first time, one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 14 Feb 2018. The pet was in good health prior to FL. Following product application, the pet presented with vomiting (2 episodes) and hypersalivation. The owner believes that the pet licked the product. The pet was bathed and she is recovering. No further information is available.
13-Feb-2018	UAE; 18BR001460; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown	01-Jan-2018*	13-Feb-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 2 cats of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on 2 Feb 2018, for flea treatment. Lack of efficacy is suspected because the cats remains with fleas. In addition, the cats are scratching themselves due fleas. The surrounding environment has been treated with an unknown product. FL was also applied at the beggining of January (1 Jan 2018 - estimated date) and the owner continued to see fleas

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Was the product used ok?: Unknown to Company					on her cats. No further information is available.
14-Feb-2018	UAE; 18BR001461; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	14-Jul-2017*	14-Feb-2018*	6 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, an unknown number of dogs (04 – number choosen at random) used to receive FRONTLINE PLUS DOG® (FL), for flea/tick control, apllied on an unknown date (14 Jan 2018 - date chosen at random). According to the reporter her dogs and her mother dogs are getting fleas before the 30 days after FL application. The reporter said that she had use FL for years and never had any issue before. The reporter´s mother lives in a country house. No further information is expected. UPDATE 16 FEB 2018 - The pet owner was contacted and reported that Thor, a male Shih Tzu of 8 years old and 6 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2017 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. Similar cases were reported on 18BR001548 to 18BR001555. No further information is expected.
14-Feb-2018	UAE; 18BR001462; PR; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Feb-2008*	02-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 2 dogs of unknown signalment were treated each one with one vial of FRONTLINE (presentation and size unknown) (016/17, Mar 2019), by the reporter, on dates not specified (1 Jan 2018 and 1 Feb 2018 chosen at random), for flea and tick control. Lack of efficacy suspected because the dogs had been infested by fleas and ticks post product application. Current status is unknown. FRONTLINE have been applied for the past 10 years with no issues (dose frequency unknown and 1st application on date not specified – 1 Feb 2008 chosen at random). This is the extent of the information available for now.
14-Feb-2018	UAE; 18BR001463; MG; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, more than one cat of unknown signalment were treated with FRONTLINE PLUS CATS (FL) (dose, lot and exp unknown), by the reporter, 2 months ago approximately (date presumed 14 Dec 2017), for flea treatment. Lack of efficacy suspected, however there is no information regarding what happened. Current status unknown. SAE reported on 18BR001464. This is the extent of the information available for now.
14-Feb-2018	UAE; 18BR001464; MG; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products	N/A	15-Dec-2017*	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via e-mail, more than one cat of unknown signalment were treated with FRONTLINE PLUS CATS (FL) (lot and exp unknown), by the reporter, 2 months ago approximately (date presumed 14 Dec 2017), for flea treatment. Following product application, the cats experienced 'skin burn'. Other details were not provided. Current status unknown. SLOE case reported on 18BR001463. This is the extent of the information available for now.

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						Route: unknown **Was the product used ok?:** Unknown to Company					
11-Feb-2018	UAE; 18BR001476; -; Brazil	**Species:** Canine **Breed:** Siberian Husky **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one Siberian Husky of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Feb 2018 chosen at random). Lack of efficacy mentioned, however there was no information what was happening. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). This is the extent of the information available. UPDATE 9 MAR 2018 - According to the owner via social media, she applied twice FRONTLINE (details were not provided) and the product did not work. No further information is available.
09-Feb-2018	UAE; 18BR001477; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, more than one dog of unknown signalment were treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Feb 2018 chosen at random). Lack of efficacy suspected, however there is no information regarding what happened. Current status unknown. Similar case reported on 18BR001478. This is the extent of the information available.
09-Feb-2018	UAE; 18BR001478; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, more than one cat of unknown signalment were treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Feb 2018 chosen at random). Lack of efficacy suspected, however there is no information regarding what happened. Current status unknown. Similar case reported on 18BR001477. This is the extent of the information available.
13-Feb-2018	UAE; 18BR001479; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment was treated with FRONTLINE SPRAY (size, dose, lot and exp unknown), by the reporter, on date not specified (1 Feb 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. This is the extent of the information available.

N/A signifies the information for this field is either not available or not applicable

Sex Codes: M = Male, F = Female, U = Unknown, Mixed = Mixed population – male(s) and female(s)
* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
15-Feb-2018	UAE; 18BR001481; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 1.60 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Feb-2018*	5 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Badi, a male Shih Tzu of 1.6 years old and 6 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (020/16 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 6 Jan 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not beent treated and it is unknown if FL has previously been applied. No further information is expected.
14-Feb-2018	UAE; 18BR001483; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	4	4	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the retailer, an unknown number of dogs (04 – number choosen at random) received FRONTLINE ® (FL), on an unknown date (01 Feb 2018 - date chosen at random) and returned with fleas. She complaint about the lack of efficacy of FL because gosremainswith fleas . No further information is expected.
14-Feb-2018	UAE; 18BR001484; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	14-Feb-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Feb 2018 - chosen at random). The owner believes that FL is not working. Details were not provided. This is the extent of the information available.
14-Feb-2018	UAE; 18BR001485; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	14-Feb-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random), for tick treatment. The owner believes that FL is not working because she continues to see ticks on her pet. Other details were not provided. This is the extent of the information available.
15-Feb-2018	UAE; 18BR001494; SP; Brazil	**Species:** Canine **Breed:** Spaniel (Cocker) **Sex:** M	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	15-Feb-2018*	27 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Fred, a male Cocker Spaniel of 7 years old and 16 kg, received one vial of FRONTLINE PLUS DOG M (FL) (013/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Unknown **Age:** 7.00 Year(s) **Weight:** 16 kg				9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					19 Jan 2018, for tick treatment. Tick infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks . The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied . No further information is expected.
14-Feb-2018	UAE; 18BR001495; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	N/A	04-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 3 dogs of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), administered by the reporter on date not specified (1 Feb 2018 - chosen at random). The owner believes that FL is not working. The surrounding environment was treated, but the details were not provided. The current status is unknown. This is the extent of the information available. UPDATE 19 FEB 2018 – The pet owner was contacted and he reported that Concha, a 9-year-old, 20 kg, female Yorkshire Terrier, was treated with one vial of FRONTLINE PLUS DOG XL (FL), topic, base of skull and btw the shoulder blades, by the reporter, on 3 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. 2 other dogs of the same household that are also on FL were reported on 18BR001581 and 18BR001582. There is no further information expected.
15-Feb-2018	UAE; 18BR001508; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jul-2017*	02-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unknown dog received FRONTLINE M® (FL), on an unknown date (01 Feb 2018 - date chosen at random) for flea treatment. The owner complained that FL didn´t kill the fleas. The owner already used FL in the past with no issues and efficacy. No further information is expected. UPDATE 19 FEB 2018 - The pet owner was contacted and reported that Luna, a female Shih Tzu of 8 years old and around 9 kg, received one vial of FRONTLINE PLUS (unsubstantiated) (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the family member around 1 Feb 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with an unknown product and FL has previously been applied in the past with no issue (1 Jul 2017 - chosen at random). There are 2 more dogs in this household with the same issue (see cases 18BR001600 and 18BR001601). No further information is expected.
15-Feb-2018	UAE; 18BR001509; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown	N/A	06-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, 03 unknown cats received FRONTLINE PLUS CAT® (FL), on an unknown date (05 Jan 2018 – estimated date) for flea treatment. The owner complained that FL didn´t work because her animals are still scratching. The owner already used FL in the past with no issues and efficacy. There is also another dog in the same household with similar problem (see case 18BR001510). The animals does not have contact with other animals outside the home environment and don´t walk on the street.. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						to Company					
15-Feb-2018	UAE; 18BR001510; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	06-Jan-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unknown dog received FRONTLINE PLUS DOG M ® (FL), on an unknown date (05 Jan 2018 – estimated date) for flea treatment. The owner complained that FL didn´t work because her animal still scratching. According to the owner her dog has flea allergy dermatitis and is already 'full' of wounds and his legs are red. The owner already used FL in the past with no issues and efficacy . There are also another 03 cats in the same household with similar problem (see case 18BR001509). The animal does not have contact with other animals outside the home environment and don´t walk on the street.. No further information is expected.
15-Feb-2018	UAE; 18BR001511; RJ; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	06-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unknown numberof cats (02 – number chosen at random) received FRONTLINE PLUS ® (FL), on an unknown date (05 Feb 2018 – date chosen at random) for flea treatment. The owner complained that FL didn´t work because her animals still with fleas. According to the owner, she already used 03 pipettes and her animals still scratching. No further information is expected.
16-Feb-2018	UAE; 18BR001513; SP; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 01 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jul-2017*	10-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Toy, 01 year old, 01 kilogram, male, Poodle Toy, received FRONTLINE SPOT-ON DOGS S ® (FL)(lot and exp date unknown, topically, between the shoulder blades), 01 week ago (09 Feb 2018 – estimated date) for flea treatment. The owner complained that FL didn´t work because her animal still scratching and with fleas. According to the owner her dog already had fleas 02 weeks priopr to treatment. The environment has been treated with BUTOX®. The owner already used FL in the past with no issues (06 Jul 2017 – date chosen at random). No further information is expected.
16-Feb-2018	UAE; 18BR001520; PR; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 50 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	16-Oct-2017*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, a female Rottweiler of 8 years old and 50 kg, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Oct 2017 - chosen at random), for flea treatment. The owner believes that FL did not work because she continued to see fleas on her pet. The surrounding environment has not been treated and it is unknown if FL has previously been applied . There are two more dogs in this household with the same issue (see case 18BR001521). The owner administered NEXGARD to Meg and she has no ectoparasites, but she presented with reactions after product administration (see cases 18BR001518 and 18BR001519). No further information is expected.
16-Feb-2018	UAE; 18BR001521; PR; Brazil	**Species:** Canine **Breed:** Canine (unknown)	2	2	0	**Product used:** FIPRONIL SPOT ON DOG	N/A	16-Oct-2017*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, two dogs of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown),

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				**Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					applied by the reporter on date not specified (1 Jan 2017 - chosen at random), for flea treatment. The owner believes that FL did not work because she continued to see fleas on her dogs. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR001520). The owner administered NEXGARD to her dogs and they have no ectoparasites, but another dog presented with reactions after product administration (see cases 18BR001518 and 18BR001519). No further information is expected.
16-Feb-2018	UAE; 18BR001522; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	06-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Popó, 08 years old, 06 kilogram, male, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT ® (FL)(lot and exp date unknown, topically ,between the shoulder blades), applied by the owner 11 days ago (05 Feb 2018 – estimated date) for flea treatment. The owner complained that FL didn´t work because her animals remains with fleas. According to the owner her animals already had fleas 15 days prior to treatment. The environment has not been treated. There are also another 02 cats in this household with similar problem (see cases 18BR001523 and 18BR001524). No further information is expected.
16-Feb-2018	UAE; 18BR001523; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	06-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Fifi, 05 years old, 4.5 kilogram, female, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT ® (FL)(lot and exp date unknown, topically ,between the shoulder blades), applied by the owner 11 days ago (05 Feb 2018 – estimated date) for flea treatment. The owner complained that FL didn´t work because her animals remains with fleas. According to the owner her animals already had fleas 15 days prior to treatment. The environment has not been treated. There are also another 02 cats in this household with similar problem (see cases 18BR001522 and 18BR001524). No further information is expected.
16-Feb-2018	UAE; 18BR001524; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	06-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Tiquinha, 02 years old, 03 kilogram, female, feline, Mixed Breed, received 01 pipette of FRONTLINE PLUS CAT ® (FL)(lot and exp date unknown, topically ,between the shoulder blades), applied by the owner 11 days ago (05 Feb 2018 – estimated date) for flea treatment. The owner complained that FL didn´t work because her animals remains with fleas. According to the owner her animals already had fleas 15 days prior to treatment. The environment has not been treated. There are also another 02 cats in this household with similar problem (see cases 18BR001522 and 18BR001523). No further information is expected.
16-Feb-2018	UAE; 18BR001528; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products	01-Dec-2017*	16-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Billy, a male Yorkshire of 15 years old and 6 kg, received, for the second time, one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp date are unknown, topical, unknown location), applied by the reporter around 1 Jan 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding

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		Age: 15.00 Year(s) **Weight:** 6 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					environment has been treated with an unknown product. FL was applied for the first time around 1 Dec 2017. The owner also complained about the lack of efficacy of FL SPRAY (see case 18BR001529). No further information is expected.
16-Feb-2018	UAE; 18BR001529; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Feb-2018	16-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Billy, a male Yorkshire of 15 years old and 6 kg, received, for the first time, FRONTLINE SPRAY (001/17, unknown exp date, topical, whole body), applied by the reporter on 15 Feb 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with an unknown product. The owner also complained about the lack of efficacy of FL SPOT-ON DOGS S (see case 18BR001528). No further information is expected.
16-Feb-2018	UAE; 18BR001538; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Dec-2017*	16-Feb-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, an unknown number of dogs received FRONTLINE (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random), for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. FL was applied in the past and it did not work too. This is the extent of the information available.
16-Feb-2018	UAE; 18BR001540; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 11 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Garoto, 07 years old, 11 kilogram, canine, male, Mixed Breed, received FRONTLINE SPOT-ON DOGS M ® (FL)(lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 25 Jan 2018, for flea treatment. The owner complained that FL didn´t work because fleas returned to the animal before the 03 months protection stated. According to the owner her dog already had fleas 15 days priopr to treatment. The environment has been treated with FLEEGARD®. No further information is expected.
15-Feb-2018	UAE; 18BR001541; RJ; Brazil	**Species:** Canine **Breed:** Great Dane **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	05-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unknown dog received a vial of FRONTLINE® , on an unespecified date (01 Feb 2018 – date chosen at random), for tick treatment. The owner complained about the lack of efficacy of FL, because her pet, remains with ticks. No further information is expected. UPDATE 20 FEB 2018 - The pet owner was contacted and reported that Zeus, a male Great Dane of 2 months old and 10 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 3 Feb 2018. The surrounding environment has not been treated and FL has been applied every 4 months (since 1 Jan 2017 - chosen at random). Today, on 20 Feb 2018, the owner also reported another dog in this household with the same issue (see case 18BR001641). No further information is expected.

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16-Feb-2018	UAE; 18BR001544; PR; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2016*	23-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the family member, Yoki, a 14-year-old, 10 kg, male Lhasa Apso, was treated with FRONTLINE SPRAY (FL) (017/16, exp unknown), topic, back, by the reporter, on 23 Jan 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 2 days prior to FL, environment treated (details unknown). FRONTLINE was applied to Yoki in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jan 2016 chosen at random). Similar case reported on 18BR001545. No further information is available.
16-Feb-2018	UAE; 18BR001545; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	23-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mocinha, an 1-year-old, 3 kg, female mixed breeds cat, was treated with FRONTLINE SPRAY (FL) (017/16, exp unknown), topic, back, by the reporter, on 23 Jan 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 2 days prior to FL, environment treated (details unknown). It is unknown if FRONTLINE was applied to the cat in the past. Similar case reported on 18BR001544. No further information is available.
16-Feb-2018	UAE; 18BR001546; -; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	05-Feb-2018*	16-Feb-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unknown cat received a vial of FRONTLINE® , on 05 Feb 2018. for flea treatment. The owner complained about the lack of efficacy of FL,because her pet got fleas after a while, before the 30 days protection stated. No further information is expected. UPDATE 28 FEB 2018 – The owner was contacted and provided more information. Rui, 08 months old, 1.5 Kilogram, feline, male, Mixed Breed, received a FL (unsubstantiated) pipette and on 13 Feb 2018 received FRONTLINE PLUS CAT (FLC) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment. Rui got fleas when the owner travels to her mother´s house and then returned with fleas. The owner complained about the lack of efficacy of FLC because her cat remained with fleas. According to the owner her daughter adopted a cat who received another FRONTLINE® and also presented problems (see case 18BR001866). After the application of this adopted cat, a person applied FRONTLINE SPRAY in both cats and the fleas were killed (24 Feb 2018 - date chosen at random). The environment was not treated. No further information is available
14-Feb-2018	UAE; 18BR001548; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	14-Jul-2017*	14-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Hulk, a male large crossbred dog of 8 years old and 39 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2017 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 8.00 Year(s) **Weight:** 39 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					with fleas. The surrounding environment has not been treated. FL was applied in the past with no issue (14 Jul 2017 - chosen at random). Similar cases were reported on 18BR001461, 18BR001549 to 18BR001555. No further information is expected.
14-Feb-2018	UAE; 18BR001549; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 7.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	14-Jul-2017*	14-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lilica, a female small crossbred dog of 11 years old and 7.5 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2017 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL was applied in the past with no issue (14 Jul 2017 - chosen at random). Similar cases were reported on 18BR001461, 18BR001548, 18BR001550 to 18BR001555. No further information is expected.
14-Feb-2018	UAE; 18BR001550; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 11.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	14-Jul-2017*	14-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Duda, a female medium Shih Tzu of 5 years old and 11.5 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2017 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL was applied in the past with no issue (14 Jul 2017 - chosen at random). Similar cases were reported on 18BR001461, 18BR001548, 18BR001549, 18BR001551 to 18BR001555. No further information is expected.
14-Feb-2018	UAE; 18BR001551; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 40 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	14-Jul-2017*	14-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nany, a female large crossbred dog of 5 years old and 40 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2017 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. In addition, the pet has flea allergic dermatitis. The surrounding environment has not been treated and FL was applied in the past with no issue (14 Jul 2017 - chosen at random). Similar cases were reported on 18BR001461, 18BR001548, 18BR001549, 18BR001550, 18BR001552 to 18BR001555. No further information is expected.
14-Feb-2018	UAE; 18BR001552; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	14-Jul-2017*	14-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tigrão, a male large crossbred dog of 7 years old and 40 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2017 (estimated date), for flea

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Unknown **Age:** 7.00 Year(s) **Weight:** 40 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL was applied in the past with no issue (14 Jul 2017 - chosen at random). Similar cases were reported on 18BR001461, 18BR001548, 18BR001549, 18BR001550, 18BR001551, 18BR001553 to 18BR001555. No further information is expected.
14-Feb-2018	UAE; 18BR001553; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	14-Jul-2017*	14-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Hashi, a male large crossbred dog of 7 years old and 25 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2017 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL was applied in the past with no issue (14 Jul 2017 - chosen at random). Similar cases were reported on 18BR001461, 18BR001548 to 18BR001552, 18BR001554 and 18BR00155. No further information is expected.
14-Feb-2018	UAE; 18BR001554; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	14-Jul-2017*	14-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kadu, a male large crossbred dog of 3 years old and 20 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2017 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied . Similar cases were reported on 18BR001461, 18BR001548 to 18BR001553 and 18BR001555. No further information is expected.
14-Feb-2018	UAE; 18BR001555; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	14-Jul-2017*	14-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Rabito, a male small crossbred dog of 3 years old and 2 kg, received one vial of FRONTLINE PLUS (FL) (unsubstantiated) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Jan 2017 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. In addition, the pet has flea allergic dermatitis. The surrounding environment has not been treated and FL was applied in the past with no issue (14 Jul 2017 - chosen at random). Similar cases were reported on 18BR001461, 18BR001548 to 18BR001554. No further information is expected.
14-Feb-2018	UAE; 18BR001557; -; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	20-Dec-2010*	14-Feb-2018*	8 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner , Nero, age unknown, 05 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE DOG S® (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: M **Sex qualifier:** Unknown **Age:** - **Weight:** 05 kg				9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes					owner on December (20 Dec 2017 – date chosen at random), for flea treatment. The owner complaines about thelack of efficacy of FL because nothing happened with the fleas in her animals.According to the owner , she noticed fleas in her pet 07 days prior to treatment. The environment has not been treated with specific product. There are also another 03 dogs in the same household with similar problem (See cases 18BR001449, 18BR001558 and 18BR001559). Animals are treated with FL every 03 months for approximately 07 years (20 Dec 2010 – estimated date). No further information is available.
14-Feb-2018	UAE; 18BR001558; -; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes	20-Dec-2010*	14-Feb-2018*	8 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner , Fredy, age unknown, 15 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE DOG M® (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on December (20 Dec 2017 – date chosen at random), for flea treatment. The owner complaines about thelack of efficacy of FL because nothing happened with the fleas in her animals.According to the owner , she noticed fleas in her pet 07 days prior to treatment. The environment has not been treated with specific product. There are also another 03 dogs in the same household with similar problem (See cases 18BR001449, 18BR001557 and 18BR001559). Animals are treated with FL every 03 months for approximately 07 years (20 Dec 2010 – estimated date). No further information is available.
14-Feb-2018	UAE; 18BR001559; -; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes	20-Dec-2010*	14-Feb-2018*	8 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner , Totó, age unknown, 15 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE DOG M® (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on December (20 Dec 2017 – date chosen at random), for flea treatment. The owner complaines about thelack of efficacy of FL because nothing happened with the fleas in her animals.According to the owner , she noticed fleas in her pet 07 days prior to treatment. The environment has not been treated with specific product. There are also another 03 dogs in the same household with similar problem (See cases 18BR001449, 18BR001557 and 18BR001558). Animals are treated with FL every 03 months for approximately 07 years (20 Dec 2010 – estimated date). No further information is available.
16-Feb-2018	UAE; 18BR001562; SP; Brazil	**Species:** Canine **Breed:** Pug **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 8.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	16-Jan-2018*	16-Feb-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female Pug of 8 months old and 8.5 kg, received FRONTLINE SPRAY (FL) (010/16 and unknown exp date, topical, whole body), applied by the reporter on 12 Feb 2018 (estimated date). Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product. FL has been applied weekly since 16 Jan 2018 (estimated date). There are 2 more animals in this household that were treated with FL and they have no issue . No further information is expected.
19-Feb-2018	UAE; 18BR001569; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products	N/A	17-Jan-2018	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Bela, 04 years old, 12 kilogram, canine, female, Mixed Breed, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 016/16 and exp date NOV 2018, topically, in the whole body), applied by the reporter on 16 Jan 2018 and 02 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she

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		Unknown **Age:** 4.00 Year(s) **Weight:** 12 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					continues to see fleas in her animal. The environment has not been treated. According to the owner animal already had parasites 01 week prior to treatment. There are also another 02 dogs in the same household with similar problem see cases (18BR001570 and 18BR001571). There is no further information available.
19-Feb-2018	UAE; 18BR001570; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 12.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Shaike, 12 years old, 12.5 kilogram, canine, male, Mixed Breed, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 016/16 and exp date NOV 2018, topically, in the whole body), applied by the reporter on 16 Jan 2018 and 02 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. The environment has not been treated. According to the owner animal already had parasites 01 week prior to treatment. There are also another 02 dogs in the same household with similar problem see cases (18BR001569 and 18BR001571). There is no further information available.
19-Feb-2018	UAE; 18BR001571; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Neguinho, 13 years old, 12 kilogram, canine, male, Poodle, received 01 dose of FRONTLINE SPRAY 250 mL (FL) (lot 016/16 and exp date NOV 2018, topically, in the whole body), applied by the reporter on 16 Jan 2018 and 02 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to see fleas in her animal. The environment has not been treated. According to the owner animal already had parasites 01 week prior to treatment. There are also another 02 dogs in the same household with similar problem see cases (18BR001569 and 18BR001570). There is no further information available.
19-Feb-2018	UAE; 18BR001572; RJ; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 33 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luka, a 10-year-old, 33 kg, female Rottweiler, was treated with FRONTLINE SPRAY (FL) (lot and expiration unknown), topic, whole body, by the reporter, on 15 Feb 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. The owner also mentioned tick-borne disease, however she refused to provide additional information. Tick infestation prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to Luka in the past. No further information is available. UPDATE 20 FEB 2018 - Product lot 010/16, exp Jun 2018. There is no further information available.
19-Feb-2018	UAE; 18BR001579; RJ; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Feb-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luck, a male Yorkshire of 10 years old and 4 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (004/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 27 Jan 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR001580). No further information is expected.
19-Feb-2018	UAE; 18BR001580; RJ; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other	N/A	19-Feb-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maggie, a female Yorkshire of 3 years old and 4 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (004/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 27 Jan 2018, for tick treatment. Lack of efficacy is suspected

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR001579). No further information is expected.
14-Feb-2018	UAE; 18BR001581; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	N/A	04-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 3 dogs of unknown signalment received FRONTLINE PLUS, administered by the reporter on date not specified. The owner believes that FL is not working. The pet owner was contacted and he reported that Tufes, a 7-year-old, 5 kg, female Yorkshire Terrier, was treated with one vial of FRONTLINE PLUS DOG XL (FL), topic, base of skull and btw the shoulder blades, by the reporter, on 3 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. 2 other dogs of the same household that are also on FL were reported on 18BR001495 and 18BR001582. There is no further information expected.
14-Feb-2018	UAE; 18BR001582; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	N/A	04-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 3 dogs of unknown signalment received FRONTLINE PLUS, administered by the reporter on date not specified. The owner believes that FL is not working. The pet owner was contacted and he reported that Kika, a 3-year-old, 5 kg, female Yorkshire Terrier, was treated with one vial of FRONTLINE PLUS DOG XL (FL), topic, base of skull and btw the shoulder blades, by the reporter, on 3 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. 2 other dogs of the same household that are also on FL were reported on 18BR001495 and 18BR001581. There is no further information expected.
17-Feb-2018	UAE; 18BR001590; MG; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	4	4	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 4 dogs of unknown signalment, received FRONTLINE SPOT-ON (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2018- chosen at random), for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The owner also complained about the lack of efficacy of FL TRI-ACT (see case 18BR001591). This is the extent of the information available.
19-Feb-2018	UAE; 18BR001592; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	19-Feb-2018	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner , Tom, 10 years old, 06 kilogram, canine, male, Yorkshire, received 01 pipette of FRONTLINE DOG PLUS S ® (FL)(lot 001/17 and exp date unknown, topically , between the shoulder blades), applied by the owner on 14 Feb 2018, for flea and tick treatment. The owner complaines about the lack of efficacy of FL because she continues to see fleas and ticks in her animal. According to the owner, animal already had fleas 15 days prior to treatment and the owner already used a different product to treat but also without results . The environment has been treated with unknown products. There are

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						Was the product used ok?: Yes					also another 06 cats in the same household with fleas but only 01 of them was treated with another FL (See case 18BR001593). No further information is available.
19-Feb-2018	UAE; 18BR001593; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Feb-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner , Suzi, 02 years old, 04 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on 17 Feb 2018, for flea treatment. The owner complaines about the lack of efficacy of FL because she continues to see fleas in her animal. According to the owner, animal already had fleas 15 days prior to treatment and the owner already used a different product to treat but also without results . The environment has been treated with unknown products. There are also another 05 cats in the same household with fleas and one dog, treated with another FL with tick problems (See case 18BR001592). No further information is available.
19-Feb-2018	UAE; 18BR001597; MG; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 7.2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Feb-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner,Airon, 03 months old, 7.2 kilogram, canine, male, German Shepherd, received 01 dose of FRONTLINE SPRAY 100 mL (FL) (lot 007/16 and exp date unknown, topically, in the whole body), applied by the reporter on 10 Feb 2018, for tick treatment. The owner complained about the lack of efficacy of FL because he continues to see ticks in his animal. According to the owner, animal already had ticks 01 week prior to treatment. The environment has been treated with K-OTHRINE®. No further information is available.
19-Feb-2018	UAE; 18BR001600; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jul-2017*	15-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bela, a female Shih Tzu of 4 years old and around 9 kg, received one vial of FRONTLINE PLUS (unsubstantiated) (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the family member around 1 Feb 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites . The surrounding environment has been treated with an unknown product and FL has previously been applied in the past with no issue (1 Jul 2017 - chosen at random). There are 2 more dogs in this household with the same issue (see cases 18BR001508 and 18BR001601). No further information is expected.
19-Feb-2018	UAE; 18BR001601; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jul-2017*	15-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tina, a female Shih Tzu of 4 years old and around 9 kg, received one vial of FRONTLINE PLUS (unsubstantiated) (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the family member around 1 Feb 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites . The surrounding environment has been treated with an unknown product and FL has previously been applied in the past with no issue (1 Jul 2017 - chosen at random). There are 2 more dogs in this household with the same issue (see cases 18BR001508 and 18BR001600). No further information is expected.

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19-Feb-2018	UAE; 18BR001602; PR; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	19-Feb-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Snoop, a male Lhasa Apso of 12 years old and 6 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 14 Feb 2018, for flea treatment. Flea infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with Fleegard® and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001603, 18BR001604 and 18BR001605. No further information is expected.
19-Feb-2018	UAE; 18BR001603; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	19-Feb-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ceu, a female mixed breed cat of 5 years old and 5 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, back), applied by the reporter on 14 Feb 2018, for flea treatment. Flea infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with Fleegard® and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001602, 18BR001604 and 18BR001605. No further information is expected.
19-Feb-2018	UAE; 18BR001604; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 17.00 Month(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	19-Feb-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Zeus, a male mixed breed cat of 17 months old and 6 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, back), applied by the reporter on 14 Feb 2018, for flea treatment. Flea infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with Fleegard® and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001602, 18BR001603 and 18BR001605. No further information is expected.
19-Feb-2018	UAE; 18BR001605; PR; Brazil	**Species:** Feline **Breed:** British Shorthair **Sex:** M	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	19-Feb-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Omega, a female British Shorthair of 9 months old and 4 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, back), applied by the reporter on 14 Feb

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Unknown **Age:** 9.00 Month(s) **Weight:** 4 kg				12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					2018, for flea treatment. Flea infestation 1 day prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with Fleegard® and it is unknown if FL has previously been applied . Similar cases were reported on 18BR001602, 18BR001603 and 18BR001604. No further information is expected.
18-Feb-2018	UAE; 18BR001607; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Jan-2018*	20-Jan-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner , Cristal, 05 months old, 04 kilogram,canine, female, Shih Tzu, received for the first time 01 pipette of FRONTLINE PLUS DOG S (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on the begining of January (05 Jan 2018 – date chosen atrandom), for flea treatment . The owner complaint about the lack of efficacy of FL because 15 days after FL (20 Jan2018 - estimated date) she continues to see fleas and now ticks appear in her animal . According to the owner, Cristal already had fleas. The environment has been treated with BUTOX®. There is also another dog in the same household who was treated with BRAVECTO® and its conditions are unknown. The animal don´t go out for walks. No further information is available.
19-Feb-2018	UAE; 18BR001612; PR; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	16-Feb-2018	16-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Bolt, a male Yorkshire of 2 years old and 5.5 kg, received FRONTLINE PLUS DOG S (FL) (lot, exp date, route and location are unknown), applied by the reporter on 16 Feb 2018. Following product application, the pet presented with vomiting. Apparently, he recovered on 19 Feb 2018. No further information is available. UPDATE 22 FEB 2018 – The owner was contacted and provided more information. Bolt received FL for the first time on 16 Feb 2018. The animal vomited for 03 days (19 Feb 2018), was not taken to a veterinary and it is unknown if it was treated. The animal recovered . No further information is available.
20-Feb-2018	UAE; 18BR001614; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 07 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jul-2017*	20-Feb-2018	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Juju, 09 years old, 07 kilogram, canine, female, Mixed Breed, received for the first time 01 pipette of FRONTLINE SPOT-ON DOG S (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on 10 Feb 2018, for flea treatment. The owner complaint about the lack of efficacy of FL because on 20 Feb 2018, she found fleas in her pet. According to the owner, her animal already had fleas 01 month prior to treatment. The environment has not been treated. There are also 02 other cats in the same household with similar problem (see cases 18BR001615 and 18BR001616). According to the owner FL was applied in the past (10 Jul 2017 – date chosen at random) and her animals remains without fleas for 06 months. No further information is available.
20-Feb-2018	UAE; 18BR001615;	**Species:** Feline **Breed:** Feline	1	1	0	**Product used:** FIPRONIL SPOT	10-Jul-2017*	20-Feb-2018	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pedro, 06 years old, 05 kilogram, feline, male, Mixed Breed,

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	SP; Brazil	mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 05 kg				ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					received for the first time 01 pipette of FRONTLINE SPOT-ON CAT (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on 10 Feb 2018, for flea treatment. The owner complaint about the lack of efficacy of FL because on 20 Feb 2018, she found fleas in her pet. According to the owner, her animal already had fleas 01 month prior to treatment. The environment has not been treated. There are also a dog and another cat in the same household with similar problem (see cases 18BR001614 and 18BR001616). According to the owner FL was applied in the past (10 Jul 2017 – date chosen at random) and her animals remains without fleas for 06 months. No further information is available.
20-Feb-2018	UAE; 18BR001616; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jul-2017*	20-Feb-2018	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bob, 06 years old, 08 kilogram, feline, male, Mixed Breed, received for the first time 01 pipette of FRONTLINE SPOT-ON CAT (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on 10 Feb 2018, for flea treatment. The owner complaint about the lack of efficacy of FL because on 20 Feb 2018, she found fleas in her pet. According to the owner, her animal already had fleas 01 month prior to treatment. The environment has not been treated. There are also a dog and another cat in the same household with similar problem (see cases 18BR001614 and 18BR001615). According to the owner FL was applied in the past (10 Jul 2017 – date chosen at random) and her animals remains without fleas for 06 months. No further information is available.
19-Feb-2018	UAE; 18BR001618; PE; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 2.8 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	18-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Luna, a female small crossbred dog of 2 years old and 2.8 kg, received FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, whole body), applied by the reporter on 15 Feb 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
19-Feb-2018	UAE; 18BR001619; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jul-2017*	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one female dog of unknown signalment, received FRONTLINE PLUS (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by the reporter on 1 Feb 2018 (Chosen at random). Lack of efficacy is suspected because the pet remains with fleas. FL was applied in the past with no issue (1 Jul 2017 - chosen at random). This is the extent of the information available.
20-Feb-2018	UAE; 18BR001622; SP; Brazil	**Species:** Canine **Breed:** Bull Terrier **Sex:** M **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	14-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mustache, 16 months old, 21 kilogram, canine, male, Bull Terrier, received 01 pipette of FRONTLINE PLUS DOG L (FL)(lot 015/17 and exp date unknown, topically , between the shoulder blades), applied by the owner 18 days ago (02 Feb 2018 – estimated date),

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		Age: 16.00 Month(s) **Weight:** 21 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					for flea/tick control. The owner complained about the lack of efficacy of FL because 12 days after application Mustache had fleas. According to the owner, his animal did not had fleas but another canine, female, already had and wasalso treated with FL (see case 18BR001623). The environment has been treated with BUTOX®. No further information is available.
20-Feb-2018	UAE; 18BR001623; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 19 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Feb-2018	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kika, 07 years old, 19 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG M (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner 18 days ago (02 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because 12 days after application Kika had fleas again. According to the owner animal already had fleas 15 days prior to treatment. There is also another dog in the household with similar problem (see case 18BR001622). No further information is available.
19-Feb-2018	UAE; 18BR001624; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017*	20-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Sofia, a female small crossbred dog of 8 years old and 10 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 13 Feb 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with cypermethrin. FL was applied in the past (1 Dec 2017 - chosen at random) and lack of efficacy was also suspected. No further information is expected.
20-Feb-2018	UAE; 18BR001626; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Feb-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pingo, 07 years old, 30 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG L (FL)(lot 015/17 and exp date MAR 2019, topically , between the shoulder blades), applied by the owner 02 weeks ago (05 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because the owner continued to see fleas in her pet. According to the owner, her animal already had fleas 01 week prior to treatment. There is also another dog in the same household with similar problem (see case 18BR001627). The environment has been treated with an unknown product No further information is available.
20-Feb-2018	UAE; 18BR001627; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	N/A	20-Feb-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jorge, 10 years old, 30 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG L (FL)(lot 015/17 and exp date MAR 2019, topically , between the shoulder blades), applied by the owner 02 weeks ago (05 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because the owner continued to see fleas in her pet. According to the owner, her animal already had fleas 01 week prior

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		Year(s) **Weight:** 30 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					to treatment. There is also another dog in the same household with similar problem (see case 18BR001626). The environment has been treated with an unknown product No further information is available.
19-Feb-2018	UAE; 18BR001628; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 3 dogs were treated with FRONTLINE SPOT-ON, for flea treatment, but the product worked for only one week. UPDATE 20 FEB 2018 – The pet owner was contacted and she reported that Nikita, a 15-year-old, 6 kg, female Poodle, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 26 Jan 2018. Nikita is currently infested by fleas and, because of that lack of efficacy is suspected. Flea infestation prior to FL, environment not treated. 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR001629 and 18BR001630. No further information is available.
19-Feb-2018	UAE; 18BR001629; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 3 dogs were treated with FRONTLINE SPOT-ON, for flea treatment, but the product worked for only one week. UPDATE 20 FEB 2018 – The pet owner was contacted and she reported that Brad, a 10-year-old, 18 kg, male crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 26 Jan 2018. Brad is currently infested by fleas and, because of that lack of efficacy is suspected. Flea infestation prior to FL, environment not treated. 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR001628 and 18BR001630. No further information is available.
19-Feb-2018	UAE; 18BR001630; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 3 dogs were treated with FRONTLINE SPOT-ON, for flea treatment, but the product worked for only one week. UPDATE 20 FEB 2018 – The pet owner was contacted and she reported that Simba, a 6-year-old, 15 kg, male crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 26 Jan 2018. Simba is currently infested by fleas and, because of that lack of efficacy is suspected. Flea infestation prior to FL, environment not treated. 2 other dogs of the same household that are also on FRONTLINE were reported on 18BR001628 and 18BR001629. No further information is available.
20-Feb-2018	UAE; 18BR001632; SP; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Dec-2017*	21-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Billy, a 14-year-old, 5 kg, male Poodle, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (006/16, exp unknown), topic, between the shoulder blades, by the reporter, 2 months ago, 6 weeks ago and one week ago approximately (dates presumed on 20 Dec 2017, 4 Jan 2018 and 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation few weeks prior to FL, daily outdoor access and environment not treated. No further information is available.
20-Feb-2018	UAE; 18BR001634;	**Species:** Canine **Breed:** Canine	1	1	0	**Product used:** FIPRONIL	N/A	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one dog of unknown signalment was treated with FRONTLINE

N/A signifies the information for this field is either not available or not applicable

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
	-; Brazil	(unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					(presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Feb 2018 chosen at random). Lack of efficacy mentioned by the owner, however details about what happened were not provided. There is no further information available.
20-Feb-2018	UAE; 18BR001635; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 1.3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	07-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Theo, a 2-month-old, 1.3 kg, male Shih Tzu, was treated with FRONTLINE SPRAY (FL) (007/16, exp unknown), topic, back, by the reporter, on 7 Feb 2018, for tick treatment. Lack of efficacy suspected because the puppy continued to have ticks. Tick infestation one day prior to FL, environmental condition unknown. It is unknown if FRONTLINE was applied to Theo in the past. There is no further information available.
20-Feb-2018	UAE; 18BR001641; RJ; Brazil	**Species:** Canine **Breed:** Great Dane **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Toreto, a male Rottweiler of 15 months old and 33 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 3 Feb 2018. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and FL has been applied every 4 months. There is another dog in this household with the same issue (18BR001541). No further information is expected.
21-Feb-2018	UAE; 18BR001650; MG; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 25.00 Month(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Feb-2018	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lili, 25 months old, 03 kilogram, canine, female, Lhasa Apso, received 01 pipette of FRONTLINE PLUS DOG S (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on 10 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because in her opinion, FL didn´t work and her animal remains with fleas. According to the owner, her animal already had fleas 04 days prior to treatment. The environment has been treated with K-OTHRINE®. The animal goes for walks near her house. No further information is available.
21-Feb-2018	UAE; 18BR001657; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F	1	1	0	**Product used:** FIPRONIL 10%/S	N/A	21-Feb-2018*	25 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maya, a female Shih Tzu of 11 months old and 9 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Unknown **Age:** 11.00 Month(s) **Weight:** 9 kg				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					unknown, topical, btw the shoulder blades), applied by the reporter on 27 Jan 2018, for flea control. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
20-Feb-2018	UAE; 18BR001662; MT; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Week(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	20-Feb-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one male dog of 2 weeks old and 2 kg, was treated with FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random), for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The dog also reacted after product application (see case 18BR001663). This is the extent of the information available.
20-Feb-2018	UAE; 18BR001663; MT; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Week(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	03-Feb-2018*	2 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, one dog of 2 weeks old and 2 kg, was treated with FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random), for tick treatment. After product application on unknown date, the hair of the dog changed to black. The owner also complained about the lack of efficacy of FL (see case 18BR001662). The outcome is unknown. This is the extent of the information available.
21-Feb-2018	UAE; 18BR001664; BA; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** M **Sex qualifier:** Unknown **Age:** 23.00 Month(s) **Weight:** 32 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018*	21-Feb-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Hercules, a male German Shepherd Dog of 23 months old and 32 kg, received, for the second time, one vial of FRONTLINE SPOT-ON DOG L (FL) (lot and exp date are unknown, topical, neck - incorrect application), applied by the reporter on 1 Feb 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with cypermethrin. FL was applied for the first time on date not specified (1 Jan 2018 - chosen at random). No further information is expected.
21-Feb-2018	UAE; 18BR001668; PR; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	21-Feb-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tapioca, a male mixed breed cat of 3 years old and 4 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 31 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with Bolfo® and it is unknown if FL has previously been applied. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
21-Feb-2018	UAE; 18BR001670; SÃO PAULO; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Puddy, a male Poodle of 2 years old and 8 kg, received one vial of FRONTLINE PLUS DOG S (FL) (014/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 14 Feb 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
21-Feb-2018	UAE; 18BR001672; TO; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 1.4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	21-Feb-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pepe, 03 years old, 1.4 kilogram, feline, unknown sex, unknown breed, received 01 pipette of FRONTLINE PLUS CATS (FL)(lot, exp date, route and site of application unknown), applied by the owner 01 month ago (21 Jan 2018 – estimated date) for flea treatment. The owner complained about the lack of efficacy of FL because his animal remains with flleas. There is also another cat in the same household with similar problem (see case 18BR001673). The owner did not finish his report and did not return the call. No further information is available.
21-Feb-2018	UAE; 18BR001673; TO; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	21-Feb-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lili, feline, unknown sex, unknown breed, received 01 pipette of FRONTLINE PLUS CATS (FL)(lot, exp date, route and site of application unknown), applied by the owner 01 month ago (21 Jan 2018 – estimated date) for flea treatment. The owner complained about the lack of efficacy of FL because his animal remains with flleas. There is also another cat in the same household with similar problem (see case 18BR001672). The owner did not finish his report and did not return the call. No further information is available.
22-Feb-2018	UAE; 18BR001674; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	15-Feb-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner´s daughter, an unknown Poddle, received 01 ' blue ' pipette of FRONTLINE® (FRONTLINE SPOT-ON DOGS) (FL)(lot and Exp date unknown, topically, between the shoulder blades), applied by the owner on January (02 Jan 2018 – date chosen at random) and a second time 30 days later (02 Feb 2018 – date chosen at random). For flea treatment. The reporter complained about the lack of efficacy of FL because the animal remained with fleas. The reporter already used FL in the past with no issues (01 Jul 2017 – date chosen at random). No further information is available. UPDATE 23 FEB 2018 - The pet owner was contacted and reported that Julie, a female Poodle of 8 years old and 3 kg, received one vial of FRONTLINE SPOT-ON DOG S, applied by the reporter on 5 Feb 2018. The surrounding environment has not been treated. FL was also applied on 15 Jan 2018. Another

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											product was administered on 18 Feb 2018 and the pet has no fleas. No further information is expected. UPDATE 27 FEB 2018 – The reporter was contacted and mentioned that the other product given was COMFORTIS®. No further information is available.
22-Feb-2018	UAE; 18BR001676; SP; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	16-Feb-2018	20-Feb-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Thor, a male Rottweiler of 4 years old and approximately 35 kg, received, for the first time, one vial of FRONTLINE SPOT-ON DOG L (FL) (012/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 16 Feb 2018, for tick treatment. Tick treatment 2 days prior to FL. Lack of efficacy is suspected because the pet remains with tick. The surrounding environment has not been treated. No further information is expected.
22-Feb-2018	UAE; 18BR001685; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nani, 04 years old, 05 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CATS (FL)(lot, exp date, route and site of application unknown), applied by the owner on 09 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal remains with flea. There are also another 02 cats and a dog in the same household with similar problem (see cases 18BR001686 to 18BR001688). The environment has not been treated with specific product. No further information is available.
22-Feb-2018	UAE; 18BR001686; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 01 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chantilii, 02 months old, 01 kilogram, feline, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS CATS (FL)(lot, exp date, route and site of application unknown), applied by the owner on 09 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal remained with fleas. There are also another 02 cats and a dog in the same household with similar problem (see cases 18BR001685, 18BR001687 and 18BR001688). The environment has not been treated with specific product. No further information is available.
22-Feb-2018	UAE; 18BR001687; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 0.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Charlote, 02 months old, 0.8 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CATS (FL)(lot, exp date, route and site of application unknown), applied by the owner on 09 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal remains with flea. There are also another 02 cats and a dog in the same household with similar problem (see cases 18BR001685, 18BR001686 and 18BR001688). The environment has not been treated with specific product. No further information is available.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
22-Feb-2018	UAE; 18BR001688; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 3.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, 09 years old, 3.8 kilogram, canine, female, Yorkshire, received 01 pipette of FRONTLINE PLUS DOG S (FL)(lot, exp date, route and site of application unknown), applied by the owner on 09 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal remains with flea . There are also another 02 cats and a dog in the same household with similar problem (see cases 18BR001685 to 18BR001687). The environment has not been treated with specific product. The animal take daily walks. No further information is available.
22-Feb-2018	UAE; 18BR001689; MG; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 2.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Alok, a 3-month-old, 2.2 kg, male Yorkshire Terrier, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, between the shoulder blades, by the reporter, on 9 Feb 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Environment treated with K-Othrine. It is unknown if FRONTLINE was applied to the pup in the past. No further information is available.
22-Feb-2018	UAE; 18BR001690; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Dec-2017*	22-Jan-2018*	7 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 3 cats of unknown signalment, received, for the first time, FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on Dec 2017 (1 Dec 2017 - estimated date), for flea treatment. Lack of efficacy is suspected because the cats remain with fleas. There are an unknown number of dogs in this household that were treated with FL and they have no issue. This is the extent of the information available.
22-Feb-2018	UAE; 18BR001691; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	5	5	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	22-Feb-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy CLaim: As reported by the pet owner via social media, 5 cats of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random). Lack of efficacy is suspected because the cats remain with fleas. This is the extent of the information available.
22-Feb-2018	UAE; 18BR001695; SP; Brazil	**Species:** Canine **Breed:** Yorkshire	1	1	0	**Product used:** FIPRONIL SPRAY	01-Feb-2018	19-Feb-2018*	2 Day(s)	D-D	Suspected Lack of efficacy Claim: As reported by the pet owner, Tony, a male Yorkshire of 3 months old and 2 kg, was treated, for the second time, with FRONTLINE SPRAY (FL) (lot and exp date

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 2 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					are unknown, topical, whole body), applied by the reporter on 17 Feb 2018, for tick treatment. Tick infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks . The surrounding environmnet has been treated with an unknown product and FL was applied for the first time on 1 Feb 2018. No further information is expected.
20-Feb-2018	UAE; 18BR001696; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2016*	10-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 4 dogs and 1 cat of unknown signalment were treated with FRONTLINE SPRAY (FL), by the reporter, however the product did not work as well as it used to. UPDATE 22 FEB 2018 – The owner was contacted and she reported that Tob, a 9-year-old, 12 kg, male Lhasa Apso, was treated with FL (012/16, Aug 2018), topic, back, on 10 Feb 2018, for flea treatment. Lack of efficacy suspected because the pet continued to have fleas . Flea infestation 1 day prior to FL, dose frequency unknown and first application on date not specified (1 Jan 2016 chosen at random), environment treated with K-Othrine. 4 other pets of the same household that are also on FL were reported on 18BR001697, 18BR001698, 18BR001699 and 18BR001700. There is no further information expected.
20-Feb-2018	UAE; 18BR001697; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2016*	10-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 4 dogs and 1 cat of unknown signalment were treated with FRONTLINE SPRAY (FL), by the reporter, however the product did not work as well as it used to. UPDATE 22 FEB 2018 – The owner was contacted and she reported that Tob Junior, a 7-year-old, 12 kg, male Lhasa Apso, was treated with FL (012/16, Aug 2018), topic, back, on 10 Feb 2018, for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation 1 day prior to FL, dose frequency unknown and first application on date not specified (1 Jan 2016 chosen at random), environment treated with K-Othrine. 4 other pets of the same household that are also on FL were reported on 18BR001696, 18BR001698, 18BR001699 and 18BR001700. There is no further information expected.
20-Feb-2018	UAE; 18BR001698; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2016*	10-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 4 dogs and 1 cat of unknown signalment were treated with FRONTLINE SPRAY (FL), by the reporter, however the product did not work as well as it used to. UPDATE 22 FEB 2018 – The owner was contacted and she reported that Hanna, a 9-year-old, 10 kg, female Lhasa Apso, was treated with FL (012/16, Aug 2018), topic, back, on 10 Feb 2018, for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation 1 day prior to FL, dose frequency unknown and first application on date not specified (1 Jan 2016 chosen at random), environment treated with K-Othrine. 4 other pets of the same household that are also on FL were reported on 18BR001696, 18BR001697, 18BR001699 and 18BR001700. There is no further information expected.
20-Feb-2018	UAE; 18BR001699;	**Species:** Canine **Breed:** Chowchow	1	1	0	**Product used:** FIPRONIL	01-Jan-2016*	10-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 4 dogs and 1 cat of unknown signalment were

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	SP; Brazil	**Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 27 kg				SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					treated with FRONTLINE SPRAY (FL), by the reporter, however the product did not work as well as it used to. UPDATE 22 FEB 2018 – The owner was contacted and she reported that Boris, a 27 kg, male Chow Chow (age unknown), was treated with FL (012/16, Aug 2018), topic, back, on 10 Feb 2018, for flea treatment. Lack of efficacy suspected because the pet continued to have fleas . Flea infestation 1 day prior to FL, dose frequency unknown and first application on date not specified (1 Jan 2016 chosen at random), environment treated with K-Othrine. 4 other pets of the same household that are also on FL were reported on 18BR001696, 18BR001697, 18BR001698 and 18BR001700. There is no further information expected.
20-Feb-2018	UAE; 18BR001700; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 750 gms	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2018*	10-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 4 dogs and 1 cat of unknown signalment were treated with FRONTLINE SPRAY (FL), by the reporter, however the product did not work as well as it used to. UPDATE 22 FEB 2018 – The owner was contacted and she reported that ? Gertrudes, a 3-month-old, 750 G, female mixed breeds cat, was treated with FL (012/16, Aug 2018), topic, back, on 10 Feb 2018, for flea treatment. Lack of efficacy suspected because the pet continued to have fleas. Flea infestation 1 day prior to FL, dose frequency unknown and first application on date not specified (1 Jan 2018 chosen at random), environment treated with K-Othrine. 4 other pets of the same household that are also on FL were reported on 18BR001696, 18BR001697, 18BR001698 and 18BR001699. There is no further information expected.
22-Feb-2018	UAE; 18BR001704; SP; Brazil	**Species:** Canine **Breed:** Retriever (Golden) **Sex:** F **Sex qualifier:** Unknown **Age:** 20.00 Day(s) **Weight:** 1.7 kg	3	3	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 3 female Golden Retriever of 20 days old and 1.7 kg, received FRONTLINE SPRAY (FL) (002/17, unknown exp date, topical, whole body), applied by the reporter on 12 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There are 5 male puppies in this household with the same issue (see case 18BR001705). No further information is expected.
22-Feb-2018	UAE; 18BR001705; SP; Brazil	**Species:** Canine **Breed:** Retriever (Golden) **Sex:** M **Sex qualifier:** Unknown **Age:** 20.00 Day(s) **Weight:** 1.7 kg	5	5	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 5 male Golden Retriever of 20 days old and 1.7 kg, received FRONTLINE SPRAY (FL) (002/17, unknown exp date, topical, whole body), applied by the reporter on 12 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. There are 3 female puppies in this household with the same issue (see case 18BR001704). No further information is expected.
21-Feb-2018	UAE; 18BR001706; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	01-Jul-2017*	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, one female dog of unknown signalment was treated with FRONTLINE (presentation, size, dose, lot and exp unknown), by the reporter, on date not specified (1 Jul 2017 chosen at random). Following product application, the dog experienced an 'unknown

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		Unknown **Age:** - **Weight:** Unknown				**Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					reaction'. Since then, the dog wears flea/tick collars only, not FRONTLINE anymore. The owner mentioned that her dog is epileptic. No further information is known.
22-Feb-2018	UAE; 18BR001707; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	08-Feb-2018	08-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Shakira, a 4-year-old, 30 kg, female crossbred dog, was treated with FRONTLINE SPRAY (FL) (009/16, exp unknown), topic, whole body, by the reporter, on 8 Feb 2018 and 16 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one day prior to FL, environment treated with Butox. One other dog of the same household that is also on FL was reported on 18BR001708. No further information is available.
22-Feb-2018	UAE; 18BR001708; SP; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	08-Feb-2018	08-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Honda, a 2.5-year-old, 30 kg, female Pit Bull, was treated with FRONTLINE SPRAY (FL) (009/16, exp unknown), topic, whole body, by the reporter, on 8 Feb 2018 and 16 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one day prior to FL, environment treated with Butox. One other dog of the same household that is also on FL was reported on 18BR001707. No further information is available.
22-Feb-2018	UAE; 18BR001709; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Month(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Feb-2018	03-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mali, a 12-month-old, 2 kg, female mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for the first time, on 2 Feb 2018, for flea and tick treatment. Lack of efficacy suspected because the pet continued to have fleas and ticks. Environment treated (details not provided), flea and tick infestation 10 days prior to FL. 2 other pets of the same household that are also on FRONTLINE were reported on 18BR001710 and 18BR001711. There is no further information available.
21-Feb-2018	UAE; 18BR001714; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown	N/A	08-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 02 unknown and undifferentiated cats, received each, 01 pipette of FRONTLINE PLUS CATS (FL)(lot, exp date, route and site of application unknown), applied by the owner on a not specified date (01 Feb 2018 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued with fleas. The environmental conditions are unknown. Her pets dont have contact with the streets or another animals The owner also used FRONTLINE SPRAY® one week later and complained about the lack of efficacy (see case 18BR001715). No further information is available.

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						to Company					
21-Feb-2018	UAE; 18BR001715; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	21-Feb-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 02 unknown and undifferentiated cats, received each, several doses of FRONTLINE SPRAY 100 mL (FL)(lot, exp date, route and site of application unknown), applied by the owner one week after FRONTLINE PLUS CATS on a not specified date (08 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued with fleas after several applications. The environmental conditions are unknown. Her pets dont have contact with the streets or another animals The owner also used FRONTLINE PLUS CATS one week before and complained about the lack of efficacy (see case 18BR001714). No further information is available.
22-Feb-2018	UAE; 18BR001716; PR; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 22 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	21-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Thor, an 18-month-old, 22 kg, male Chow Chow, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), by the reporter, on 21 Feb 2018. 2 hours post product application, the dog experienced agitation, head shake and fever. Thor was taken to a vet clinic (details not provided) and the dog 'got better'. FRONTLINE was applied to Thor in the past with no issues (dose frequency unknown and first application on date not specified - 1 Jan 2017 chosen at random). This is the extent of the information available for now.
23-Feb-2018	UAE; 18BR001720; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	23-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bartolomeu, a male Pinscher of 1 year old and 2.5 kg, received FRONTLINE (FL) (unsubstantiated) (017/16, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 20 Feb 2018, for flea treatment. Flea infestation some weeks prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
23-Feb-2018	UAE; 18BR001723; SC; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	09-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Boki, a 4-year-old, 8 kg, male Lhasa Apso, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 2 Feb 2018, for tick prevention. Lack of efficacy suspected because she discovered ticks on her dog 3 times since product application, always after outdoor access. FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jan 2017 chosen at random). Environment not treated. No further information is known.
23-Feb-2018	UAE; 18BR001725; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier	1	1	0	**Product used:** FIPRONIL 10%/S	N/A	23-Feb-2018*	27 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mathias, a male Yorkshire od 4 years old and 2.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are

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		Sex: M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 2.5 kg				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					unknown, topical, btw the shoulder blades), applied by the reporter on 27 Jan 2018, for flea treatment. Flea infestation 1 week prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
22-Feb-2018	UAE; 18BR001726; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jun-2017*	22-Feb-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 03 unknown and undifferentiated cats, received each, 01 pipette of FRONTLINE PLUS CATS (FL)(lot 005/17 and exp date JUN 2019, route and site of application unknown), applied by the owner on a not specified date (15 Feb 2018 – date chosen at random), for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued with fleas. The environmental conditions are unknown. The owner already used FL in the past with no issues (06 Jun 2017 – date chosen at random) No further information is available. UPDATE 26 FEB 2018 - The pet owner was contacted and reported that Dori, a female mixed breed cat of 1 year old and 3 kg, received one vial of FRONTLINE PLUS CATS (FL) (topical, btw the shoulder blades), applied by the reporter on 17 Feb 2018, for flea treatment. Flea infestation 1 week prior to FL. The surrounding environment has not been treated. Similar cases were reported on 18BR001799 and 18BR001800. No further information is expected.
23-Feb-2018	UAE; 18BR001727; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Feb-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Francisca, 03 years old, 03 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS CATS (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 07 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animal remains with flea. According to the owner , the animal already had fleas 01 week prior to treatment. The environment has not been treated. No further information is available.
23-Feb-2018	UAE; 18BR001729; RS; Brazil	**Species:** Canine **Breed:** Schnauzer **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Feb-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Lack, 08 years old, 06 kilogram ,canine, male , Schnauzer, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL)(lot and Exp date unknown, topically, between the shoulder blades), applied by the owner on 14 Feb 2018 for flea/tick control. The owner complained about the lack of efficacy because 02 days after FL, his animal presented fleas. The owner applies FL every 02 months. The environment has not been treated. There is also another dog in this household with similar problem (see case 18BR001730). No further information is available.
23-Feb-2018	UAE; 18BR001730; RS; Brazil	**Species:** Canine **Breed:** Schnauzer **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products**	N/A	23-Feb-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Cookie, 09 months old, 07 kilogram ,canine, male , Schnauzer, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL)(lot and Exp date unknown, topically, between the shoulder blades),

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		Unknown **Age:** 9.00 Month(s) **Weight:** 07 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					applied by the owner on 14 Feb 2018 for flea/tick control. The owner complained about the lack of efficacy because 02 days after FL, his animal presented fleas. The owner applies FL every 02 months. The environment has not been treated. There is also another dog in this household with similar problem (see case 18BR001729). No further information is available.
23-Feb-2018	UAE; 18BR001734; MG; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	16-Jan-2018	23-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one female dog of unknown signalment was treated with FRONTLINE SPRAY (size unknown) (001/17, Dec 2018), by the reporter, on date not specified (20 Feb 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dog is still infested by fleas. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jul 2017 chosen at random). This is the extent of the information available for now. UPDATE 5 MAR 2018 - The pet owner was contacted and reported that Fiona, a female Poodle of 9 years old and 4.5 kg, was treated, for the first time, with FL 100 mL(topical, whole body), applied by the reporter on 24 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. FL was applied for the first time on 16 Jan 2018. No further information is expected.
22-Feb-2018	UAE; 18BR001738; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	22-Feb-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of cats of unknown signalment, received FRONTLINE (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random). The owner believes that FL is not working (other details were not provided). This is the extent of the information available.
23-Feb-2018	UAE; 18BR001741; SP; Brazil	**Species:** Canine **Breed:** Beagle **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 16 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Brufi, a female Beagle of 8 years old and 16 kg, received one vial of FRONTLINE PLUS DOG M (FL) (009/16 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 9 Feb 2018, for flea treatment. Flea infestation 15 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
23-Feb-2018	UAE; 18BR001742; MG; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products	08-Feb-2018	23-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Laila, a female medium crossbred dog of 10 years old and 20 kg, was treated with FRONTLINE SPRAY (FL) (010/16, unknown exp date, topical, whole body), applied by the reporter on 21 Feb 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 10.00 Year(s) **Weight:** 20 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					been treated with amitraz. FL was also applied 15 days ago (8 Feb 2018 - estimated date). Similar cases were reported on 18BR001743, 18BR001744, 18BR001745 and 18BR001746. No further information is expected.
23-Feb-2018	UAE; 18BR001743; MG; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Feb-2018	23-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bela, a female medium crossbred dog of 10 years old and 12 kg, was treated with FRONTLINE SPRAY (FL) (010/16, unknown exp date, topical, whole body), applied by the reporter on 21 Feb 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with amitraz. FL was also applied 15 days ago (8 Feb 2018 - estimated date). Similar cases were reported on 18BR001742, 18BR001744, 18BR001745 and 18BR001746. No further information is expected.
23-Feb-2018	UAE; 18BR001744; MG; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 0.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Feb-2018	23-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Juju, a female Pinscher of 4 months old and 0.5 kg, was treated with FRONTLINE SPRAY (FL) (010/16, unknown exp date, topical, whole body), applied by the reporter on 21 Feb 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with amitraz. FL was also applied 15 days ago (8 Feb 2018 - estimated date). Similar cases were reported on 18BR001742, 18BR001743, 18BR001745 and 18BR001746. No further information is expected.
23-Feb-2018	UAE; 18BR001745; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Feb-2018	23-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Boris, a male mixed breed cat of 2.5 years old and 8 kg, was treated with FRONTLINE SPRAY (FL) (010/16, unknown exp date, topical, whole body), applied by the reporter on 21 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz. FL was also applied 15 days ago (8 Feb 2018 - estimated date). Similar cases were reported on 18BR001742, 18BR001743, 18BR001744 and 18BR001746. No further information is expected.
23-Feb-2018	UAE; 18BR001746; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Feb-2018	23-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Filomena, a female mixed breed cat of 1 year old and 4 kg, was treated with FRONTLINE SPRAY (FL) (010/16, unknown exp date, topical, whole body), applied by the reporter on 21 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz. FL was also applied 15 days ago (8 Feb 2018 - estimated date). Similar cases were reported on 18BR001742, 18BR001743, 18BR001744 and 18BR001745. No further information is expected.
26-Feb-2018	UAE; 18BR001751; MG; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON	01-Mar-2014*	26-Feb-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, one neutered male cat of unknown signalment was treated with one vial of FRONTLINE PLUS CATS (FL) (005/17, Jun 2019), 'according to the product label' (topic, between the shoulder blades), by the reporter, on 29 Jan 2018, for flea

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Neutered **Age:** - **Weight:** Unknown				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					control. Lack of efficacy suspected because the cat is currently infested by fleas. FRONTLINE has been applied to the cat every 3 months since Mar 2014 (1 Mar 2014 chosen at random), with no issues. Outdoor access denied, environment treated with Butox, K-Othrine and Amipur. As FL was not working, another vial of FL was applied to the cat today (26 Feb 2018). One dog of the same household that is also on FRONTLINE was reported on 18BR001752. This is the extent of the information available for now.
26-Feb-2018	UAE; 18BR001752; MG; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Feb-2008*	26-Feb-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, one intact female dog of unknown signalment was treated with one vial of FRONTLINE PLUS FOR DOGS (size, lot and exp unknown), 'according to the product label' (topic, between the shoulder blades), by the reporter, on 29 Jan 2018, for flea control. Lack of efficacy suspected because the cat is currently infested by fleas. FRONTLINE has been applied to the dog every 3 months for the past 10 years (1 Feb 2008 chosen at random), with no issues. Outdoor access denied, environment treated with Butox, K-Othrine and Amipur. As FRONTLINE was not working, another vial of FRONTLINE PLUS FOR DOGS was applied to the dog today (26 Feb 2018). One dog of the same household that is also on FRONTLINE was reported on 18BR001751. This is the extent of the information available for now.
24-Feb-2018	UAE; 18BR001755; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Feb-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Iva, a female Lhasa Apso of 10 years old and 7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter one week ago (20 Feb 2018 - estimated date). Flea infestation 1 month prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
24-Feb-2018	UAE; 18BR001758; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	24-Feb-2018*	7 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, more than one female dog of unknown signalment were treated with FRONTLINE (unsubstantiated) (lot and exp unknown), by the reporter, on Dec 2017 (25 Dec 2017 chosen at random), for flea treatment. Lack of efficacy suspected because the dogs continued to have fleas one week after FRONTLINE application. Then, they were bathed and 'all fleas were gone'. She also mentioned that her dogs are currently infested by ticks 'less than 2 months post product application'. That never happened before: her dogs usually stay free of fleas and ticks for months after FRONTLINE (1st application on date not specified - 1 Jan 2017 chosen at random). This is the extent of the information available for now. UPDATE 27 FEB 2018 - The pet owner was contacted and reported that Branca, a female medium crossbred dog of 9 years old and 18 kg, received one vial of FRONTLINE PLUS DOG M (FL) (topical, btw the shoulder blades), applied by the reporter on 3 Jan 2018 (estimated date), for tick control. Lack of efficacy is suspected because the pet had ticks . The owner is no longer viewing ticks on the dog. The surrounding environment has been treated with deltamethrin and FL has been

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											applied every 4 months. There is another dog in this household with the same issue (see case 18BR001834). No further information is expected.
26-Feb-2018	UAE; 18BR001765; SC; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4.650 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	26-Feb-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jhane, a female Persian of 5 years old and 4.650 kg, received one vial of FROTNLINE SPOT-ON CAT (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 10 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product. FL has been applied every 3 months (since 1 Jan 2017 - chosen at random). There is another cat in this household with the same issue (See case 18BR001766). No further information is expected.
26-Feb-2018	UAE; 18BR001766; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 5.2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	26-Feb-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sofia, a female mixed breed cat of 6 years old and 5.2 kg, received one vial of FROTNLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 10 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product. FL has been applied every 3 months (since 1 Jan 2017 - chosen at random). There is another cat in this household with the same issue (See case 18BR001765). No further information is expected.
26-Feb-2018	UAE; 18BR001769; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Feb-2018	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Nina, 14 years old, 06 kilogram ,canine, female, Lhasa Apso, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and Exp date unknown, topically, between the shoulder blades), applied by the owner 22 Feb 2018 for flea treatment. The owner complained about the lack of efficacy because, her animal remained with fleas . According to the owner, animal already had fleas 01 week prior to treatment. The environment has not been treated. No further information is available.
26-Feb-2018	UAE; 18BR001770; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Spaik, a male large crossbred dog of 2 years old and 25 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (019/16 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 14 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
23-Feb-2018	UAE; 18BR001775; RJ; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other	N/A	23-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, 02 canines, maltese, received FRONTLINE ® (FL) (lot, exp date, route and site of administration unknown), applied by the owner on an unspecified date (20 Feb 2018 – date chosen at random) for unknown reason. The owner complained about the lack of efficacy because, FL didn´t work. According to the owner he used a tablet from another product on a third dog and it worked. The

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					environmental conditions are unknown. No further information is available. UPDATE 27 FEB 2018 - The pet owner was contacted and reported that Angel, a female Maltese of 2 kg and unknown age, was treated with one vial of FRONTLINE PLUS DOG S (FL) (topical, btw the shoulder blades), applied by the reporter around 7 days ago, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz. A similar case was reported on 18BR001836. There are 3 cats and 2 more dogs in this household that were treated with another product against ectoparasites and they have no issue. No further information is expected.
24-Feb-2018	UAE; 18BR001776; MG; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 11 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	30-Jan-2018	20-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Fred, a male medium crossbred dog of 6 years old and 11 kg, received, for the first time, one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 30 Jan 2018. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated. There is another dog in this household that was not treated with any product against ticks and it has no issue. The owner also complained about the product quality (see case 18BR001801). No further information is expected.
24-Feb-2018	UAE; 18BR001777; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	02-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, 2 dogs of unknown signalment were applied FRONTLINE (unsubstantiated) (lot and exp unknown), by the reporter, on date not specified (1 Feb 2018 chosen at random). Lack of efficacy mentioned, however there is no information regarding what happened. FRONTLINE did not work in the past also (dose frequency unknown and first application on date not specified- 1 Jan 2017 chosen at random). This is the extent of the information available.
25-Feb-2018	UAE; 18BR001778; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	24-Feb-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reportd by the pet owner via social media, one dog of unknown signalment, received FRONTLINE (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random). The owner believes that FL is not working (details were not provided). The outcome is unknown. This is the extent of the information available.
25-Feb-2018	UAE; 18BR001779; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	16-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one dog of unknown signalment received FRONTLINE (unsubstantiated) (lot and exp unknown), by the reporter, 10 days ago (presumed 15 Feb 2018), for flea and tick treatment. Lack of efficacy suspected because the dog continued

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** - **Weight:** Unknown				**Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					to have fleas and ticks. There is no further information available.
24-Feb-2018	UAE; 18BR001780; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	24-Feb-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reportd by the pet owner via social media, one dog of unknown signalment, received FRONTLINE (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random). The owner believes that FL is not working (details were not provided). The outcome is unknown. This is the extent of the information available.
26-Feb-2018	UAE; 18BR001781; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jul-2017*	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, more than one dog of unknown signalment were treated with FRONTLINE (unsubstantiated) (lot and exp unknown), by the reporter, on date not specified (1 Feb 2018 chosen at random). Lack of efficacy suspected, however there is no information regarding what happened. Current status unknown. FRONTLINE did not work in the past also (1 Jul 2017 chosen at random for first application). This is the extent of the information available.
26-Feb-2018	UAE; 18BR001782; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	05-Feb-2018*	4 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, one cat of unknown signalment, received FRONTLINE (FL) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Feb 2018 - chosen at random). On date not specified, FL has increased the allergy of his pet (details were not provided). The outcome is unknown. FL was applied in the past with no issue (1 Jan 2017 - chosen at random). This is the extent of the information available.
26-Feb-2018	UAE; 18BR001783; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 04 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous	01-Jan-2017*	26-Feb-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Cacau, 07 years old, 04 kilogram ,canine, female, Pinscher, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot 004/17 and exp date DEC 2018, topically, between the shoulder blades), applied by the owner 15 days ago (11 Feb 2018 – estimated date) for flea/tick control. The owner complained about the lack of efficacy because, her animal remained got fleas . The environment has been treated with ECTONIL®.The owner applied

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						Was the product used ok?: Yes					FL every 03 months for flea/tick control. There is also another dog in the same household with similar problem (see case 18BR001784). No further information is available. UPDATE 28 FEB 2018 – The pet owner was contacted and she reported that FL was applied on 11 Feb 2018. FRONTLINE has been applied every 3 months since date not specified (1 Jan 2017 chosen at random). FRONTLINE is not working as well as it used to because the owner has removed fleas from her dog every day. There is no further information available.
26-Feb-2018	UAE; 18BR001784; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 07 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	26-Feb-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Ani, 09 years old, 07 kilogram ,canine, female, Lhasa Apso, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot 004/17 and exp date DEC 2018, topically, between the shoulder blades), applied by the owner 15 days ago (11 Feb 2018 – estimated date) for flea/tick control. The owner complained about the lack of efficacy because, her animal remained got fleas. The environment has been treated with ECTONIL®. The owner applied FL every 03 months for flea/tick control. There is also another dog in the same household with similar problem (see case 18BR001783). No further information is available. UPDATE 28 FEB 2018 – The pet owner was contacted and she reported that FL was applied on 11 Feb 2018. FRONTLINE has been applied every 3 months since date not specified (1 Jan 2017 chosen at random). FRONTLINE is not working as well as it used to because the owner has removed fleas from her dog every day. There is no further information available.
26-Feb-2018	UAE; 18BR001785; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	26-Feb-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nicki, a male small crossbred dog of 2 years old and 4 kg, was treated with FRONTLINE SPRAY (FL) (009/16 and unknown exp date, topical, back - incorrect application), applied by the reporter on 5 Feb 2018, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR001786). No further information is expected.
26-Feb-2018	UAE; 18BR001786; MG; Brazil	**Species:** Canine **Breed:** Akita **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Month(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	26-Feb-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Loba, a female Akita of 14 months old and 12 kg, was treated with FRONTLINE SPRAY (FL) (009/16 and unknown exp date, topical, back - incorrect application), applied by the reporter on 5 Feb 2018, for flea treatment. Flea infestation 3 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR001785). No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
25-Feb-2018	UAE; 18BR001788; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 09 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	10-Nov-2017*	25-Feb-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, a feline, female , 09 kilograms received a dose of FRONTLINE SPRAY 100 mL (FL) (lot, exp date, route and site of application unknown), applied by the owner on 15 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued with fleas. . The environment was treated with FL too. There are another 02 cats in the same household with similar problem (see cases 18BR001789 and 18BR001790). The owner already used FL in the past without issues (10 Nov 2017 – date chosen at random). No further information is available.
25-Feb-2018	UAE; 18BR001789; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	10-Nov-2017*	25-Feb-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, a feline, female , 03 kilograms received a dose of FRONTLINE SPRAY 100 mL (FL) (lot, exp date, route and site of application unknown), applied by the owner on 15 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued with fleas. The environmental conditions are unknown. The environment and cat´s clothe were treated with FL too. There are another 02 cats in the same household with similar problem (see cases 18BR001788 and 18BR001790). The owner already used FL in the past without issues (10 Nov 2017 – date chosen at random). No further information is available.
25-Feb-2018	UAE; 18BR001790; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 06 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	10-Nov-2017*	25-Feb-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, a feline, female , 06 kilograms received a dose of FRONTLINE SPRAY 100 mL (FL) (lot, exp date, route and site of application unknown), applied by the owner on 15 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued with fleas. The environmental conditions are unknown. The environment and cat´s clothe were treated with FL too. There are another 02 cats in the same household with similar problem (see cases 18BR001788 and 18BR001789). The owner already used FL in the past without issues (10 Nov 2017 – date chosen at random). No further information is available.
22-Feb-2018	UAE; 18BR001799; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	22-Feb-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pity, a female mixed breed cat of 2 years old and 3 kg, received one vial of FRONTLINE PLUS CATS (FL) (005/17, Jun 2019, topical, btw the shoulder blades), applied by the reporter on 17 Feb 2018, for flea treatment. Flea infestation 1 week prior to FL. The surrounding environment has not been treated. FL was applied in the past with no issue (1 Jul 2017 - chosen at random). Similar cases were reported on 18BR001726 and 18BR001800. No further information is expected.
22-Feb-2018	UAE; 18BR001800; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products**	01-Jul-2017*	22-Feb-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Raji, a male mixed breed cat of 3 years old and 8 kg, received one vial of FRONTLINE PLUS CATS (FL) (005/17, Jun 2019, topical, btw the shoulder blades), applied by the reporter on 17 Feb 2018, for flea treatment. Flea infestation 1 week prior to FL. The surrounding environment has not been treated. FL was applied in

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		Unknown **Age:** 3.00 Year(s) **Weight:** 8 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					the past with no issue (1 Jul 2017 - chosen at random). Similar cases were reported on 18BR001726 and 18BR001799. No further information is expected.
27-Feb-2018	UAE; 18BR001804; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Nov-2017*	27-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet onwer, Gordo, a male Shih Tzu of 3 months old and 3 kg, was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, whole body), applied by the reporter on 25 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated and FL was applied monthly since 25 Nov 2017 (estimated date). Similar cases were reported on 18BR001805, 18BR001806 and 18BR001808. No further information is expected.
27-Feb-2018	UAE; 18BR001805; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Nov-2017*	27-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet onwer, Mel, a female Shih Tzu of 3 months old and 2 kg, was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, whole body), applied by the reporter on 25 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated and FL was applied monthly since 25 Nov 2017 (estimated date). Similar cases were reported on 18BR001804, 18BR001806 and 18BR001808. No further information is expected.
27-Feb-2018	UAE; 18BR001806; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Nov-2017*	27-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet onwer, Lili, a female Shih Tzu of 3 months old and 2.5 kg, was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, whole body), applied by the reporter on 25 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated and FL was applied monthly since 25 Nov 2017 (estimated date). Similar cases were reported on 18BR001804, 18BR001805 and 18BR001808. No further information is expected.
27-Feb-2018	UAE; 18BR001808; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Nov-2017*	27-Feb-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet onwer, Mila, a female Shih Tzu of 4 years old and 6 kg, was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018, topical, whole body), applied by the reporter on 25 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The surrounding environment has not been treated and FL was applied monthly since 25 Nov 2017 (estimated date). Similar cases were reported on 18BR001804, 18BR001805 and 18BR001806. No further information is expected.
27-Feb-2018	UAE; 18BR001812; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20	1	1	0	**Product used:** FIPRONIL 10%/S	25-Dec-2017*	27-Feb-2018*	15 Day(s)	Not Reportable	Suspected Lack of Efficacy Claim: As reported by the pet owner, Leo, 03 years old, 38 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp

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		Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 38 kg				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					date unknown, topically, between the shoulder blades), applied by the owner on the end of december (25 Dec 2017 – estimated date) and 15 days ago (12 Feb 2018 – estimated date), for flea treatment. The animal already had fleas 02 months prior to treatment. The environment has been treated with TRIATOX®. No further information is available.
27-Feb-2018	UAE; 18BR001814; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	27-Feb-2017	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet onwer, Pingo, a male mixed breed cat of 18 months old and 3 kg, was treated with FRONTLINE SPRAY (FL) (017/16, unknown exp date, topical, whole body), applied by the reporter on 12 Dec 2017, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
27-Feb-2018	UAE; 18BR001815; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pedro, a 7-year-old, 5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001816 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001816; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Vladi, a 4-year-old, 5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported on 18BR001815, and from 18BR001817 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001817; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bruce, a 3-year-old, 4 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the

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		Weight: 4 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					cat in the past. 14 other cats of the same household that are also on FL were reported on 18BR001815, 18BR001816, and from 18BR001818 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001818; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tiger, a 2-year-old, 4 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001817, and from 18BR001819 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001819; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Harry, a 3-year-old, 4 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001818, and from 18BR001820 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001820; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chuck, a 5-month-old, 1.5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001819, and from 18BR001821 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001821; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, an 8-year-old, 4 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001820, and from 18BR001822 to 18BR001829. No further

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						product used ok?: Yes					information is available.
27-Feb-2018	UAE; 18BR001822; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Deise, a 3-year-old, 3 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001821, and from 18BR001823 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001823; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Marrie, a 2-year-old, 4 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001822, and from 18BR001824 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001824; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Emili, a 2-year-old, 3 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001823, and from 18BR001825 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001825; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pandora, a 4-year-old, 4 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001824, and from 18BR001826 to 18BR001829. No further information is available.

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27-Feb-2018	UAE; 18BR001826; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Arlequina, a 2-year-old, 4.5 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001825, and from 18BR001827 to 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001827; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Diana, a 3-year-old, 3.5 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001826, 18BR001828 and 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001828; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Havanna, a 3.5 kg, female mixed breeds cat (age unknown), was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001827, and 18BR001829. No further information is available.
27-Feb-2018	UAE; 18BR001829; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	25-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Laveta, an 1-year-old, 3 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 24 Feb 2018, for flea treatment. No fleas have been seen since then, however lack of efficacy is suspected because the cat is still scratching. Flea infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. 14 other cats of the same household that are also on FL were reported from 18BR001815 to 18BR001828. No further information is available.
24-Feb-2018	UAE; 18BR001834; SP; Brazil	**Species:** Canine **Breed:** Medium	1	1	0	**Product used:** FIPRONIL 10%/S	01-Jan-2017*	24-Feb-2018*	7 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Neguinha, a female medium crossbred dog of 9 years old and 18 kg, received one vial of FRONTLINE PLUS DOG M

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 18 kg				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					(FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 3 Jan 2018, for flea/tick control. Lack of efficacy is suspected because the pet has ticks. The surrounding environment has been treated with deltamethrin and FL has been applied every 4 months (1st application on date not specified - 1 Jan 2017 chosen at random). There is another dog in this household with the same issue (see case 18BR001758). No further information is expected.
23-Feb-2018	UAE; 18BR001836; RJ; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Snoop, a male Maltese of 2.5 kg and unknown age, was treated with FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 20 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz. A similar case was reported on 18BR001775. There are 3 cats and 2 more dogs in this household that were treated with another product against ectoparasites and they have no issue. No further information is expected.
27-Feb-2018	UAE; 18BR001837; -; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	02-Feb-2018*	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via social media, one Shih Tzu of unkown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random). On unknown date, the pet 'almost died' because it was intoxicated by FL. Bath was recommended by the vet. The outcome is unknown. This is the extent of the information available.
28-Feb-2018	UAE; 18BR001841; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Feb-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lola, a female mixed breed cat of 3 years old and 7 kg, received one vial of FRONTLINE PLUS CATS (FL) (005/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 8 Feb 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001842 and 18BR001843. No further information is expected.
28-Feb-2018	UAE; 18BR001842; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products**	N/A	28-Feb-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Leia, a female mixed breed cat of 2 years old and 8 kg, received one vial of FRONTLINE PLUS CATS (FL) (005/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 8 Feb 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas.

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		Unknown **Age:** 2.00 Year(s) **Weight:** 8 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001841 and 18BR001843. No further information is expected.
28-Feb-2018	UAE; 18BR001843; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Feb-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Timão, a male Siamese of 4 years old and 8 kg, received one vial of FRONTLINE PLUS CATS (FL) (005/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 8 Feb 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001841 and 18BR001842. No further information is expected.
27-Feb-2018	UAE; 18BR001844; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 4 cats were treated with FRONTLINE SPRAY and the product was not working because the cats were infested by fleas again. The owner was contacted and she reported that Abel, a 3-year-old, 5 kg, male mixed breeds cat, was treated with FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, 'whole body', by the reporter, on 10 Feb 2018, for flea treatment. Lack of efficacy suspected because the cat was infested by fleas again, less than 15 days post product application. Flea infestation prior to FL, environment treated with amitraz. It is unknown if FRONTLINE was applied to the cat in the past. The other cats of the same household were reported on 18BR001845, 18BR001846 and 18BR001847. No further information is known.
27-Feb-2018	UAE; 18BR001845; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 2.8 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 4 cats were treated with FRONTLINE SPRAY and the product was not working because the cats were infested by fleas again. The owner was contacted and she reported that Pel, a 7-month-old, 2.8 kg, male mixed breeds cat, was treated with FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, 'whole body', by the reporter, on 10 Feb 2018, for flea treatment. Lack of efficacy suspected because the cat was infested by fleas again, less than 15 days post product application. Flea infestation prior to FL, environment treated with amitraz. It is unknown if FRONTLINE was applied to the cat in the past. The other cats of the same household were reported on 18BR001844, 18BR001846 and 18BR001847. No further information is known.
27-Feb-2018	UAE; 18BR001846; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	24-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 4 cats were treated with FRONTLINE SPRAY and the product was not working because the cats were infested by fleas again. The owner was contacted and she reported that Cooke, a 3-year-old, 5 kg, female mixed breeds cat, was treated with FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, 'whole body', by the reporter, on 10 Feb 2018, for flea treatment. Lack of efficacy suspected because the cat was infested by fleas again, less than 15 days post product application. Flea infestation

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						product used ok?: Yes					prior to FL, environment treated with amitraz. It is unknown if FRONTLINE was applied to the cat in the past. The other cats of the same household were reported on 18BR001844, 18BR001845 and 18BR001847. No further information is known.
27-Feb-2018	UAE; 18BR001847; MG; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	24-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 4 cats were treated with FRONTLINE SPRAY and the product was not working because the cats were infested by fleas again. The owner was contacted and she reported that Brisa, a 2-year-old, 4 kg, female mixed breeds cat, was treated with FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, 'whole body', by the reporter, on 10 Feb 2018, for flea treatment. Lack of efficacy suspected because the cat was infested by fleas again, less than 15 days post product application. Flea infestation prior to FL, environment treated with amitraz. It is unknown if FRONTLINE was applied to the cat in the past. The other cats of the same household were reported on 18BR001844, 18BR001845 and 18BR001846. No further information is known.
28-Feb-2018	UAE; 18BR001848; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Filó, a female Siamese of 2 years old and 2 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 16 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001849 and 18BR001850. No further information is expected.
28-Feb-2018	UAE; 18BR001849; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Teka, a female mixed breed cat of 11 years old and 2 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 16 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001848 and 18BR001850. No further information is expected.
28-Feb-2018	UAE; 18BR001850; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	28-Feb-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ferdinando, a male small crossbred dog of 7 years old and 9 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 16 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001848 and 18BR001849. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
28-Feb-2018	UAE; 18BR001851; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 17 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	10-Dec-2017*	28-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dalila, 01 year old, 17 kilogram, canine, female, Mixed breed received a dose of FRONTLINE SPRAY 100 mL (FL) on 10 Dec 2017 (lot and exp date unknown) and on 15 Jan 2018 (lot 004/16 and exp date APR 2018), both topically, from head to tail. for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued to have fleas. According to the owner, animal already had fleas 01 day prior to treatment. The environment has been treated with SANOL®. There are another 02 dogs and 03 cats in the same household with similar problem (see cases 18BR001852 to 18BR001856). No further information is available.
28-Feb-2018	UAE; 18BR001852; SP; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	10-Dec-2017*	28-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pepe, 04 years old, 35 kilogram, canine, male, Rottweiler, received a dose of FRONTLINE SPRAY 100 mL (FL) on 10 Dec 2017 (lot and exp date unknown) and on 15 Jan 2018 (lot 004/16 and exp date APR 2018), both topically, from head to tail. for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued to have fleas. According to the owner, animal already had fleas 01 day prior to treatment. The environment has been treated with SANOL®. There are another 02 dogs and 03 cats in the same household with similar problem (see cases 18BR001851 and 18BR001853 to 18BR001856). No further information is available.
28-Feb-2018	UAE; 18BR001853; SP; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 45 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	10-Dec-2017*	28-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lessi, 03 years old, 45 kilogram, canine, female, German Shepherd, received a dose of FRONTLINE SPRAY 100 mL (FL) on 10 Dec 2017 (lot and exp date unknown) and on 15 Jan 2018 (lot 004/16 and exp date APR 2018), both topically, from head to tail. for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued to have fleas . According to the owner, animal already had fleas 01 day prior to treatment. The environment has been treated with SANOL®. There are another 02 dogs and 03 cats in the same household with similar problem (see cases 18BR001851, 18BR001852 and 18BR001854 to 18BR001856). No further information is available.
28-Feb-2018	UAE; 18BR001854; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 02 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	10-Dec-2017*	28-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mivica, 07 years old, 02 kilogram, feline, female, Mixed Breed, received a dose of FRONTLINE SPRAY 100 mL (FL) on 10 Dec 2017 (lot and exp date unknown) and on 15 Jan 2018 (lot 004/16 and exp date APR 2018), both topically, from head to tail. for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued to have fleas. According to the owner, animal already had fleas 01 day prior to treatment. The environment has been treated with SANOL®. There are another 03

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						product used ok?: No (Treatment / vaccination program not respected)					dogs and 02 cats in the same household with similar problem (see cases 18BR001851 to 18BR001853, 18BR001855 and 18BR001856). No further information is available.
28-Feb-2018	UAE; 18BR001855; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	10-Dec-2017*	28-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Zoiuda, 06 years old, 1.5 kilogram, feline, female, Mixed Breed, received a dose of FRONTLINE SPRAY 100 mL (FL) on 10 Dec 2017 (lot and exp date unknown) and on 15 Jan 2018 (lot 004/16 and exp date APR 2018), both topically, from head to tail. for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued to have fleas. According to the owner, animal already had fleas 01 day prior to treatment. The environment has been treated with SANOL®. There are another 03 dogs and 02 cats in the same household with similar problem (see cases 18BR001851 to 18BR001854 and 18BR001856). No further information is available.
28-Feb-2018	UAE; 18BR001856; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 01 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	10-Dec-2017*	28-Feb-2018*	6 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pretinha, 01 year old, 01 kilogram, feline, female, Mixed Breed, received a dose of FRONTLINE SPRAY 100 mL (FL) on 10 Dec 2017 (lot and exp date unknown) and on 15 Jan 2018 (lot 004/16 and exp date APR 2018), both topically, from head to tail. for flea treatment. The owner complained about the lack of efficacy of FL because her animals continued to have fleas. According to the owner, animal already had fleas 01 day prior to treatment. The environment has been treated with SANOL®. There are another 03 dogs and 02 cats in the same household with similar problem (see cases 18BR001851 to 18BR001855). No further information is available.
28-Feb-2018	UAE; 18BR001859; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Feb-2018	28-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luck, a male Shih Tzu of 1 year old and 6 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (004/17, Dec 2018, topical, btw the shoulder blades), applied by the reporter on 25 Feb 2018, for flea treatment. Flea infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected. UPDATE 6 MAR 2018 - The pet owner reported that the amount of fleas 'has decreased only 30%', Luck is still infested by live fleas. This is the extent of the information available. UPDATE 8 MAR 2018 - The owner was contacted and reported that FL was applied again on 4 Mar 2018. The environment has been treated with cypermethrin weekly. No further information is known.
28-Feb-2018	UAE; 18BR001860; AM; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	07-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sasha, an 11-year-old, 7 kg, female Lhasa Apso, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 6 Feb 2018, for tick treatment. Lack of efficacy suspected because

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 11.00 Year(s) **Weight:** 7 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					the dog continued to have ticks. Tick infestation one week prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. No further information is known.
28-Feb-2018	UAE; 18BR001864; SC; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Feb-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tigrão, a neutered male Persian of 4 years old and 7 kg, received one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 20 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. In addition, he scratching himself (due to fleas). The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another cat in this household with the same issue (See case 18BR001865). No further information is expected.
28-Feb-2018	UAE; 18BR001865; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Feb-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sury, a female mixed breed cat of 4 years old and 4.5 kg, received one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 20 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another cat in this household with the same issue (see case 18BR001864). No further information is expected.
28-Feb-2018	UAE; 18BR001866; -; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	19-Feb-2018	19-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Tibio, 02 months old, unknown weight, feline, male, Mixed Breed, received 01 pipette of FRONTLINE SPOT ON CAT (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment on 19 Feb 2018. Tibio was adopted (18 Feb 2018 -date chosen at random) and already presented fleas. The owner complained about the lack of efficacy of FL because her pet remained with fleas. According to the owner Tibio already had fleas 01 day prior to treatment. On an unspecified date a third person applied FRONTLINE SPRAY in both of her cats and the fleas were killed. The owner already had a cat with similar problem in the same household (see case 18BR001546). The owner does not know if the fleas in Tibio were completely extinguished because he is not in her house anymore. No further information is available
01-Mar-2018	UAE; 18BR001871; SP; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Month(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Jan-2017*	01-Mar-2018*	4 Week(s) 4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Max, 16 months old, 30 kilogram, canine, female, Pitt Bull, received 01 pipette of FRONTLINE SPOT-ON DOGS L (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment on 28 Jan 2018. The owner complained about the lack of efficacy because his pet still with fleas. According to the owner his pet already had fleas01 day prior to treatment. The environment has been treated with BUTOX®. The owner applies FL every 06 months (28 Jan 2017- estimated firstdate) and never had any issue before. No further information is available

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
01-Mar-2018	UAE; 18BR001876; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	01-Mar-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Dolly, 04 years old, 08 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment on 20 Feb 2018. The owner complained about the lack of efficacy because her pet still with fleas. According to the owner her pet already had fleas 03 weeks prior to treatment. The environment has not been treated. The owner already used FL in the past with no issues. No further information is available
28-Feb-2018	UAE; 18BR001877; SP; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** F **Sex qualifier:** Unknown **Age:** 3.80 Year(s) **Weight:** 42 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	15-Feb-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, one female dog was treated with FRONTLINE SPOT-ON DOGS, but the product did not work because the owner discovered fleas on her dog after product application. The owner was contacted and she reported that Ruby, an approximately 3.8-year-old, 42 kg, German Shepherd dog, was treated with one vial of FRONTLINE SPOT-ON DOGS XL (FL) (008/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 29 Jan 2018, for flea prevention. One week post product application, Ruby was scratching. Because of that, the dog presented with wounds on her skin. Then, the owner discovered 3 fleas on her dog on 15 Feb 2018. Ruby was bathed and she is wearing a collar against fleas. The dog is currently free of fleas. FL has been applied every 30-40 days since date not specified (1 Jan 2017 chosen at random) with no issues. Environment not treated, outdoor access 3 times per week. There is no further information expected.
01-Mar-2018	UAE; 18BR001881; RS; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	01-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Barão, a male small crossbred dog of 3 years old and 9 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 22 Feb 2018, for flea control. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has not been treated and FL was applied in the past with no issue (1 Jul 2017 - chosen at random). No further information is expected.
28-Feb-2018	UAE; 18BR001882; PB; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 850 gms	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	28-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Ralf, a male Persian of 2 months old and 850 g, was treated with FRONTLINE SPRAY (FL) (017/16, exp date, route and location are unknown), applied by the reporter on 27 Feb 2018. One day after product application, the pet started to salivate a lot. In addition, he is mewing and lethargic. No further information is available.
28-Feb-2018	UAE; 18BR001884;	**Species:** Feline **Breed:** Feline	1	1	0	**Product used:** FIPRONIL SPOT	24-Feb-2018	28-Feb-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet onwer via e-mail, Mel, a female mixed breed cat of 3 kg and unknown

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	BA; Brazil	mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 3 kg				ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					age, was treated, for the first time, with FRONTLINE SPOT-ON CATS (FL) (lot, exp date, route and location are unknown), applied by the family member on 24 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated. No further information is expected.
01-Mar-2018	UAE; 18BR001886; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018	01-Mar-2018*	5 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luna, a female Labrador of 10 years old and 30 kg, was treated, for the second time, with FRONTLINE SPOT-ON DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 22 Jan 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin and fipronil. FL was applied for the first time on 1 Jan 2018. Similar cases were reported on 18BR001887, 18BR001888, 18BR001889, 18BR001890, 18BR001891 and 18BR001892. No further information is expected.
01-Mar-2018	UAE; 18BR001887; SP; Brazil	**Species:** Canine **Breed:** Border Collie **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018	01-Mar-2018*	5 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Raposa, a female Border Collie of 7 years old and 15 kg, was treated, for the second time, with FRONTLINE SPOT-ON DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 22 Jan 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin and fipronil. FL was applied for the first time one 1 Jan 2018. Similar cases were reported on 18BR001886, 18BR001888, 18BR001889, 18BR001890, 18BR001891 and 18BR001892. No further information is expected.
01-Mar-2018	UAE; 18BR001888; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018	01-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Honny, a male Shih Tzu of 14 years old and 8 kg, was treated, for the third time, with FRONTLINE SPOT-ON DOG S (FL) (004/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 18 Feb 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin and fipronil. FL was applied for the first time on 1 Jan 2018 and for the second time on 22 Jan 2018. Similar cases were reported on 18BR001886, 18BR001887, 18BR001889, 18BR001890, 18BR001891 and 18BR001892. No further information is expected.
01-Mar-2018	UAE; 18BR001889; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	01-Jan-2018	01-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kiara, a female Shih Tzu of 4 years old and 4.5 kg, was treated, for the third time, with FRONTLINE SPOT-ON DOG S (FL) (004/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 18 Feb 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin and fipronil. FL was applied for the first time on 1 Jan 2018 and for the second time on 22 Jan 2018. Similar cases were reported on 18BR001886, 18BR001887, 18BR001888,

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						ok?: Yes					18BR001890, 18BR001891 and 18BR001892. No further information is expected.
01-Mar-2018	UAE; 18BR001890; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018	01-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Capitu, a female small crossbred dog of 4 years old and 8 kg, was treated, for the third time, with FRONTLINE SPOT-ON DOG S (FL) (004/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 18 Feb 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin and fipronil. FL was applied for the first time on 1 Jan 2018 and for the second time on 22 Jan 2018. Similar cases were reported on 18BR001886, 18BR001887, 18BR001888, 18BR001889, 18BR001891 and 18BR001892. No further information is expected.
01-Mar-2018	UAE; 18BR001891; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018	01-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bento, a male Shih Tzu of 1 year old and 6 kg, was treated, for the third time, with FRONTLINE SPOT-ON DOG S (FL) (004/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 18 Feb 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin and fipronil. FL was applied for the first time on 1 Jan 2018 and for the second time on 22 Jan 2018. Similar cases were reported on 18BR001886, 18BR001887, 18BR001888, 18BR001889, 18BR001890 and 18BR001892. No further information is expected.
01-Mar-2018	UAE; 18BR001892; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018	01-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Zezinho, a male Shih Tzu of 1 year old and 3.5 kg, was treated, for the third time, with FRONTLINE SPOT-ON DOG S (FL) (004/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 18 Feb 2018, for tick treatment. Tick infestation 2 days prior to FL. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with deltamethrin and fipronil. FL was applied for the first time on 1 Jan 2018 and for the second time on 22 Jan 2018. Similar cases were reported on 18BR001886, 18BR001887, 18BR001888, 18BR001889, 18BR001890 and 18BR001891. No further information is expected.
01-Mar-2018	UAE; 18BR001893; SP; Brazil	**Species:** Canine **Breed:** Retriever (Golden) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.30 Year(s) **Weight:** 38 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	N/A	01-Mar-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Famuca, a male Golden of 2.3 years old and 38 kg, received one vial of FRONTLINE PLUS DOG XL (016/17, unknown exp date, topical, btw the shoulde blades, overdose), applied by the reporter on 27 Feb 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
28-Feb-2018	UAE; 18BR001894;	**Species:** Canine **Breed:** Large	1	1	0	**Product used:** FIPRONIL	15-Jan-2018*	01-Mar-2018*	6 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Pirata, a male large crossbred dog of 8 years old and

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	SP; Brazil	crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 25 kg				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					25 kg, received, for the first time, one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter 45 days ago (15 Jan 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz. A similar case was reported on 18BR001895. There are 21 dogs in this household that were not treated with FL and they have no issue. No further information is expected.
28-Feb-2018	UAE; 18BR001895; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	15-Feb-2018*	01-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Fofão, a male large crossbred dog of 1 year old and 25 kg, received, for the first time, one vial of FRONTLINE PLUS DOG L (FL) (011/17, Feb 2019, topical, back - incorrect application), applied by the reporter 2 weeks ago (15 Feb 2018 - estimated date), for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has been treated with amitraz. A similar case was reported on 18BR001894. There are 21 dogs in this household that were not treated with FL and they have no issue. No further information is expected.
01-Mar-2018	UAE; 18BR001896; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tobi, a 10-year-old, 7 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 22 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. 2 other dogs of the same household that are also on FL were reported on 18BR001897 and 18BR001898. No further information is available.
01-Mar-2018	UAE; 18BR001897; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	23-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Junior, a 10-year-old, 8 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 22 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. 2 other dogs of the same household that are also on FL were reported on 18BR001896 and 18BR001898. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: Yes					
01-Mar-2018	UAE; 18BR001898; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Dec-2017*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, an 11-year-old, 8 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 22 Dec 2017, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. 2 other dogs of the same household that are also on FL were reported on 18BR001896 and 18BR001897. No further information is available.
28-Feb-2018	UAE; 18BR001899; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	03-Feb-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one dog pup, 2 kg (other signalment unknown), was treated with FRONTLINE PLUS (size, lot and exp unknown), by the reporter, on date not specified (31 Jan 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the owner noticed her pup scratching 3 days post product application, and she discovered one flea. Current status unknown. This is the extent of the information available for now.
01-Mar-2018	UAE; 18BR001900; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Feb-2018	21-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, one dog was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), by the reporter, on 20 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. The owner was contacted and she reported that Boby, a 4-year-old, 20 kg, male crossbred dog, recently rescued, was treated with FRONTLINE for the first time. Flea infestation prior to FL, environment treated with Butox and Triatox, outdoor access. No further information is available.
01-Mar-2018	UAE; 18BR001903; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Mar-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 03 unidentified cats received a dose of FRONTLINE SPRAY® (FL) (lot, exp date, route and site of application unknown) . According to the owner, she applied FL more than 02 times in her cats. The owner applied (FL) on an unspecified date (20 Feb 2018 – date chosen at random) for unknown reason. The owner complained that FL didn´t work and she didn´t have results. No further information is available.
01-Mar-2018	UAE; 18BR001904; SP; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	06-Jun-2017*	01-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unknown dog, received 01 pipette of FRONTLINE® (FL) (lot, exp date, route and site of administration unknown) for flea treatment, 15 days ago (14 Feb 2018 – estimated date). The owner

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 11.00 Year(s) **Weight:** 35 kg				9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					complained about the lack of efficacy because her pet remains with fleas. The owner already used FL in the past with no issues (06 Jun 2017 – date chosen at random). No further information is available. UPDATE 5 MAR 2018 - The pet owner was contacted and reported that Cindy, a female Pit Bull of 11 years and 35 kg, received FRONTLINE DOGS L (FL) (it is unknown if the vial was SPOT-ON or PLUS) (topical, neck and back - incorrect application), applied by the reporter 15 days ago (18 Feb 2018 - estimated date), for flea control. Lack of efficacy is suspected because the pet has fleas. The surrounding environment has not been treated and FL has been applied every 3 months. No further information is expected.
01-Mar-2018	UAE; 18BR001906; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, an unidentified cat received a dose of FRONTLINE SPRAY® (FL) (lot 001/17, exp date DEC 2018, route and site of application unknown), applied by the owner on sunday (25 Feb 2018- estimated date) for flea treatment. The owner complained about the lack of efficacy of FL because her pet remained with live fleas . No further information is available.
02-Mar-2018	UAE; 18BR001908; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 45 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jun-2017*	02-Mar-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Agnaldo, 10 years old, 45 kilogram, canine, male, Labrador, received 01 pipette of FRONTLINE SPOT-ON DOGS XL (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment, 15 days ago (14 Feb 2018 – estimated date). The owner complained about the lack of efficacy because his pet still with fleas. According to the owner his pet already had fleas 15 days prior to treatment. The environment has been treated with K-OTHRINE®.. The owner already used FL in the past with no issues (06 Jun 2017 – date chosen at random). There are also another 03 dogs in the same household with similar problem (see cases 18BR001909 to 18BR001911). No further information is available.
02-Mar-2018	UAE; 18BR001909; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 42 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jun-2017*	02-Mar-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Mel, 06 years old, 42 kilogram, canine, female, Labrador, received 01 pipette of FRONTLINE SPOT-ON DOGS XL (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment, 15 days ago (14 Feb 2018 – estimated date). The owner complained about the lack of efficacy because his pet still with fleas. According to the owner his pet already had fleas 15 days prior to treatment. The environment has been treated with K-OTHRINE®. The owner already used FL in the past with no issues (06 Jun 2017 – date chosen at random). There are also another 03 dogs in the same household with similar problem (see cases 18BR001908, 18BR001910 and 18BR001911). No further information is available.
02-Mar-2018	UAE; 18BR001910; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other	06-Jun-2017*	02-Mar-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Puffl, 13 years old, 16 kilogram, canine, male, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS XL (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment, 15 days ago (14 Feb 2018 – estimated date). The owner

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		Sex qualifier: Unknown **Age:** 13.00 Year(s) **Weight:** 16 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)					complained about the lack of efficacy because his pet still with fleas. According to the owner his pet already had fleas 15 days prior to treatment. The environment has been treated with K-OTHRINE®.. The owner already used FL in the past with no issues (06 Jun 2017 – date chosen at random). There are also another 03 dogs in the same household with similar problem (see cases 18BR001908, 18BR001909 and 18BR001911). No further information is available.
02-Mar-2018	UAE; 18BR001911; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	06-Jun-2017*	02-Mar-2018*	16 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Bili, 12 years old, 03 kilogram, canine, male, Pinscher, received 01 pipette of FRONTLINE SPOT-ON DOGS XL (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment, 15 days ago (14 Feb 2018 – estimated date). The owner complained about the lack of efficacy because his pet still with fleas. According to the owner his pet already had fleas 15 days prior to treatment. The environment has been treated with K-OTHRINE®.. The owner already used FL in the past with no issues (06 Jun 2017 – date chosen at random). There are also another 03 dogs in the same household with similar problem (see cases 18BR001908 to 18BR001910). No further information is available.
01-Mar-2018	UAE; 18BR001914; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jun-2017*	09-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unknown female, canine, received a pipette of FRONTLINE PLUS DOG® (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment, on 08 Feb 2018. The owner complained about the lack of efficacy because her pet still with fleas. The environmental conditions are unknown. The owner already used FL in the past with no issues (06 Jun 2017 – date chosen at random). There is also another dog in the same household with similar problem (see case 18BR001915). No further information is available. UDPATE 2 MAR 2018 - The pet owner was contacted and reported that Luna, a female mixed breed dog of 8 months and 10 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 8 Feb 2018, for flea treatment. The surrounding environment has been treated with deltamethrin. Similar cases were reported on 18BR001928 and 18BR001929. No further information is expected.
01-Mar-2018	UAE; 18BR001915; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jun-2017*	08-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unknown female, canine, received a pipette of FRONTLINE PLUS DOG® (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment, on 08 Feb 2018. The owner complained about the lack of efficacy because her pet still with fleas and also got a tick. The environmental conditions are unknown. The owner already used FL in the past with no issues (06 Jun 2017 – date chosen at random). There is also another dogs in the same household with similar problem (see cases 18BR001914). No further information is available. UDPATE 2 MAR 2018 - The pet owner was contacted and reported that Clara, a female medium mixed breed dog of 3 years old and 12 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 8 Feb 2018, for flea/tick treatment. The surrounding environment has been treated with deltamethrin. Similar cases were reported on 18BR001928 and 18BR001929. No further

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											information is expected.
02-Mar-2018	UAE; 18BR001920; RS; Brazil	**Species:** Canine **Breed:** Terrier Breeds (500 Series) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Mar-2018*	3 Month(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Bolinha, 12 years old, 10 kilogram, canine, female, Brazilian Terrier, received a pipette of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment, on 27 Nov 2017. The owner complained about the lack of efficacy because she continues to see fleas in her pet . The environment has not been treated. According to the owner, animal already had fleas 01 month prior to treatment. There is also another dogs in the same household with similar problem (see case 18BR001921). No further information is available.
02-Mar-2018	UAE; 18BR001921; RS; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Mar-2018*	3 Month(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Bob, 11 years old, 15 kilogram, canine, male, Mixed Breed, received a pipette of FRONTLINE PLUS DOG M (FL) (lot and exp date unknown, topically, between the shoulder blades) for flea treatment, on 27 Nov 2017. The owner complained about the lack of efficacy because she continues to see fleas in her pet . The environment has not been treated. According to the owner, animal already had fleas 01 month prior to treatment. There is also another dogs in the same household with similar problem (see case 18BR001920). No further information is available.
02-Mar-2018	UAE; 18BR001922; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jan-2017*	08-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lolita, a 10-year-old, 5 kg, female Pinscher, was treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, location unknown, by the reporter, on Feb 2018 (1 Feb 2018 chosen at random), for tick treatment. One week later, FL was applied again to the dog, since she continued to have ticks. However, Lolita was still infested. 2 days ago (28 Feb 2018), the dog started experiencing apathy and appetite loss. She was taken to the clinic, and tick-borne disease was suspected. Unknown blood test was performed but results are pending. As the dog continued to have ticks and tick disease has been suspected, lack of efficacy was mentioned. FL has been applied to Lolita every month since date not specified (1 Jan 2017 chosen at random), with no issues. Environment not treated. There are other dogs in the same household that are also on FL but also continued to have ticks (see 18BR001923). There is no further information expected. UPDATE 2 MAR 2018 - The vet was contacted and reported that the pet was also presenting anuria and fever. In addition, she was not drinking enough water. CBC and biochemical tests were performed, showing anemia, low platelet, unknown hepatic alteration and low immunity. So, the pet was diagnosed with tick-borne disease. Symptomatic treatment was provided, but the details are unknown. No further information is available.
02-Mar-2018	UAE; 18BR001923; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:**	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other	01-Jan-2017*	08-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, more than one dog of unknown signalment were treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, location unknown, by the reporter, on Feb 2018 (1 Feb 2018 chosen at random), for tick treatment. One week later, FL was applied again

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		Unknown **Age:** - **Weight:** Unknown				products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					to the dogs, since they continued to have ticks. Lack of efficacy suspected because the dogs are still infested by ticks. FL has been applied to the dogs every month since date not specified (1 Jan 2017 chosen at random), with no issues. Environment not treated. One other dog of the same household that is also on FL was reported on 18BR001922. There is no further information expected.
01-Mar-2018	UAE; 18BR001928; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jun-2017*	01-Mar-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Clara, a female medium mixed breed dog of 2 years old and 10 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 8 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. FL was applied in the past with no issue (6 Jun 2017 - chosen at random). Similar cases were reported on 18BR001914, 18BR001915 and 18BR001929. No further information is expected.
01-Mar-2018	UAE; 18BR001929; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 14 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jun-2017*	01-Mar-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Maia, a female medium mixed breed dog of 2 years old and 14 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 8 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin. Similar cases were reported on 18BR001914, 18BR001915 and 18BR001928. No further information is expected.
02-Mar-2018	UAE; 18BR001930; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jan-2017*	02-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Scooby, a male Yorkshire of 15 years old and 5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 20 days ago (13 Feb 2018 - estimated date), for flea and tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with Butox® and Triatox®. In addition, the pet has flea allergic dermatitis. FL has been applied monthly. There is another dog in this household with the same issue (see case 18BR001931). No further information is expected.
02-Mar-2018	UAE; 18BR001931; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	01-Jan-2017*	02-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Willy, a male medium crossbred dog of 2 years old and 13 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 20 days ago (13 Feb 2018 - estimated date), for flea and tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with Butox® and Triatox®. In

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		Weight: 13 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					addition, the pet has flea allergic dermatitis. FL has been applied monthly. There is another dog in this household with the same issue (see case 18BR001930). No further information is expected.
05-Mar-2018	UAE; 18BR001933; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	04-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bob Marley, an 11-year-old, 3.5 kg, male Yorkshire Terrier, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (004/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 3 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have live fleas . Flea infestation 4 days prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. No further information is available. UPDATE 7 MAR 2018 - The pet owner reported that the environment was treated again with Butox, but her dog is still infested by live fleas. No further information is known.
05-Mar-2018	UAE; 18BR001935; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 3.78 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a 10-year-old, 3.8 kg, female mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 1 Mar 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 2 weeks prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the cat in the past. One other cat of the same household that is also on FL was reported on 18BR001936. No further information is available.
05-Mar-2018	UAE; 18BR001936; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	02-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Alfredo, an 18-month-old, 7 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 1 Mar 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 2 weeks prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the cat in the past. One other cat of the same household that is also on FL was reported on 18BR001935. No further information is available.
05-Mar-2018	UAE; 18BR001938; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** U **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	01-Feb-2014*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sarna, a 6-year-old, 15 kg, crossbred dog (sex unknown), was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 20 days ago (presumed 13 Feb 2018), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 1 day prior to FL, environment treated with Butox. FRONTLINE has been applied to the dog in the past 4 years with no issues (and 1st application on date not specified – 1 Feb 2014 chosen at random), however the product was not working as well as it used to in the last 3 applications (dose frequency unknown). No further information is available.

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						ok?: Yes					
05-Mar-2018	UAE; 18BR001941; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Feb-2018*	05-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Marshimellow, a male mixed breed cat of 9 months old and 4 kg, was treated with FRONTLINE SPRAY (FL) (001/17, Dec 2018, topical, whole body), applied by the reporter on 1 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL was also applied 2 weeks ago (15 Feb 2017 - estimated date). The pet also reacted after FL application (see case 18BR001942). No further information is expected.
05-Mar-2018	UAE; 18BR001942; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Feb-2018*	01-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Marshmellow, a male mixed breed cat of 9 months old and 4 kg, was treated with FRONTLINE SPRAY (FL) (001/17, Dec 2018, topical , whole body), applied by the reporter on 1 Mar 2018, for flea treatment. The pet was in good health prior to FL. Some minutes after product application, the pet presented with hypersalivation. Milk was administered by the owner and the pet recovered. SLOE case was reported on 18BR001941. No further information is available.
05-Mar-2018	UAE; 18BR001943; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 08 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Esponja, 09 years old, 08 kilogram, canine, male, Poodle, received a pipette of FRONTLINE PLUS DOG S (FL) (lot 014/17 and exp date unknown, topically, between the shoulder blades) for flea control 01 week ago (26 Feb 2018 – estimated date). The owner complained about the lack of efficacy because she saw fleas in her pet. The environment has been treated with BUTOX®. The dog does daily walks. According to the owner Esponja usually uses a collar (unidentified) but he underwent surgery and is not using for now. No further information is available.
05-Mar-2018	UAE; 18BR001944; -; Brazil	**Species:** Canine **Breed:** Fila Brasiliera **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 57 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Negão, a male Fila Brasileiro of 3 years old and 57 kg, received one vial of FRONTLINE PLUS DOG XL (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 2 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001945 and 18BR001946. No further information is expected.
05-Mar-2018	UAE; 18BR001945; -; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	05-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Danion, a male Pinscher of 13 months old and 8 kg, received one vial of FRONTLINE PLUS DOG S (FL) (001/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 2 Mar 2018, for flea treatment. Lack of efficacy is suspected because

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		Unknown **Age:** 13.00 Month(s) **Weight:** 8 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001944 and 18BR001946. No further information is expected.
05-Mar-2018	UAE; 18BR001946; -; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lilica, a female Pinscher of 4 years old and 6 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 2 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR001944 and 18BR001945. No further information is expected.
03-Mar-2018	UAE; 18BR001948; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 17.00 Month(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Mar-2017*	18-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, one 25 kg dog (other signalment unknown) was treated with FRONTLINE (unsubstantiated) (lot and exp unknown), by the reporter, on 17 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog was scratching. FRONTLINE was applied 3 times, but only this time the product did not work (dose frequency unknown and 1st application on date not specified – 1 Mar 2017 chosen at random). Environment treated (details not provided). This is the extent of the information available. UPDATE 7 MAR 2018 - The pet owner was contacted and reported that Zayan, a male large crossbred dog of 17 months old and 25 kg, was treated with one vial of FRONTLINE PLUS DOG L (FL) (topical, btw the shoulder blades), applied on 17 Feb 2018, for flea treatment. The reporter continues to see fleas on her pet. The environment has been treated with Butox® every 5 days. No further information is expected.
05-Mar-2018	UAE; 18BR001955; SP; Brazil	**Species:** Canine **Breed:** Terrier Breeds (500 Series) **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	05-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Melody, a female Brazilian Terrier of 16 years old and 7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 22 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with fipronil and it is unknown if FL has previously been applied. Another case was reported on 18BR001956. No further information is expected.

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05-Mar-2018	UAE; 18BR001956; SP; Brazil	**Species:** Canine **Breed:** Terrier Breeds (500 Series) **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	05-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Melody, a female Brazilian Terrier of 16 years old and 7 kg, received one vial of FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter on 27 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with fipronil and it is unknown if FL was applied in the past. Another case was reported on 18BR001955. No further information is expected.
03-Mar-2018	UAE; 18BR001957; MG; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 12.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, a female, canine received a dose FRONTLINE® (FL) and FRONTLINE PLUS DOG® (FLP) (lot, exp date, route and site of application unknown) for flea treatment, both on unspecified dates (20 Jan 2018 and 20 Feb 2018 – dates chosen at random). The owner complained about the lack of efficacy from both, since she only bought FLP because FL didn´t work and her dog continues to have fleas. No further information is available. UPDATE 06 MAR 2018 – The owner was contacted. Aurora, 3 to 4 years old, 12.5 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE PLUS DOG® (FL) (lot, exp date, route and site of administration unknown), on 22 Feb 2018, for flea treatment. According to the owner she already used FRONTLINE SPOT-ON DOGS® before with no results (see case 18BR002003) and applied the product as the label recommended. The owner already had a problem with fleas approximately 04 months prior to FL use, The owner said that she already used FL in the past with positive results. No further information is available.
05-Mar-2018	UAE; 18BR001958; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 23.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Zorck, a male Maltese of 23 months old and 4 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, unknown location), applied by the reporter on 2 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
05-Mar-2018	UAE; 18BR001959; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 30.00 Month(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Feb-2018	05-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Bibo, 30 months old, 20 kilogram, male, canine, Mixed Breed, received a dose FRONTLINE SPOT-ON DOGS M(FL) (lot 019/16, exp date, topically, between the shoulder blades), applied by the owner on 05 Feb 2018 for flea treatment. The owner complained about the lack of efficacy because he continues to see fleas in his pet. No further information is available. UPDATE 6 MAR 2018 - The surrounding environment has not been treated. FL SPOT-ON was applied, for the second time, on 5 Mar 2018. In addition, FL PLUS was applied in the past (1 Dec 2017 - chosen at random) with no issue. No further information is known.

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05-Mar-2018	UAE; 18BR001961; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Month(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Thor, a male Labrador of 14 months old and 35 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 26 Feb 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with an unknown product. There is another dog in this household with the same issue (see case 18BR001962). No further information is expected.
05-Mar-2018	UAE; 18BR001962; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sadan, a male large crossbred dog of 14 years old and 25 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 26 Feb 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites . The surrounding environment has been treated with an unknown product. There is another dog in this household with the same issue (see case 18BR001961). No further information is expected.
21-Feb-2018	UAE; 18BR001967; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	21-Feb-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female dog of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by an unknown person on date not specified (1 Feb 2018 - chosen at random). The owner believes that FL did not help her pet. The outcome is unknown. This is the extent of the information available.
05-Mar-2018	UAE; 18BR001973; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 2.3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Jade, 02 years old, 2.3 kilogram, female, canine, Pinscher, received a dose FRONTLINE SPOT-ON DOGS S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner 01 month ago (05 Feb 2018 – estimated date) for flea treatment. The owner complained about the lack of efficacy of FL, because she continues to see fleas in her pet. According to the owner, animal already had fleas 02 months prior to treatment and the client was treating the animal with a soap (product not specified) to kill fleas. The environment has been treated with K-OTHRINE. There is also a cat in the same household with similar problem (see case 18BR001974). The owner already used FL in the past with no issues. No further information is available.
05-Mar-2018	UAE; 18BR001974; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical /	N/A	05-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Sophia, 06 years old, 3.8 kilogram, female, feline, Mixed Breed, received a dose FRONTLINE SPOT-ON CAT (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner 01 month ago (05 Feb 2018 – estimated date) for flea treatment. The owner complained about the lack of efficacy of FL, because she continues to see fleas in her pet. According to the

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		Age: 6.00 Year(s) **Weight:** 3.8 kg				Cutaneous **Was the product used ok?:** Yes					owner, animal already had fleas 02 months prior to treatment and the client was treating the animal with a insecticide soap (product not specified) to kill fleas. The environment has been treated with K-OTHRINE. There is also a dog in the same household with similar problem (see case 18BR001973). The owner already used FL in the past with no issues. No further information is available.
05-Mar-2018	UAE; 18BR001975; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Seu Jorge, a male medium crossbred dog of 10 years old and 12 kg, received one vial of FRONTLINE PLUS DOG M (FL) (019/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter 15 days ago (19 Feb 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. In addition, the pet is scratching himself (due to fleas). The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
05-Mar-2018	UAE; 18BR001980; PE; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	05-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Thor, a male Basset of 5 years old and 10 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with cypermethrin. FL has been applied twice a year. There is another dog in this household with the same issue (see case 18BR001981). No further information is expected.
05-Mar-2018	UAE; 18BR001981; PE; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	06-Mar-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Max, a male Yorkshire of 5 years old and 6 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with cypermethrin. FL has been applied twice a year. There is another dog in this household with the same issue (see case 18BR001980). No further information is expected.
06-Mar-2018	UAE; 18BR001993; PR; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	04-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bob, a 2-year-old, 5 kg, male Maltese, was treated with one vial of FRONTLINE PLUS DOG S (FL) (014/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 12 Feb 2018, for flea and tick prevention. Lack of efficacy suspected because the owner discovered fleas on his dog on 4 Mar 2018. Pet not infested prior to FL, daily outdoor access, environment not treated. No further information is available.

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						Was the product used ok?: Yes					
06-Mar-2018	UAE; 18BR001994; SP; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Samanta, a 9-year-old, 10 kg, female Dachshund, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Daily outdoor access, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. One other dog of the same household that is also on FRONTLINE was reported on 18BR001995. No further information is available.
06-Mar-2018	UAE; 18BR001995; SP; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 12.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Guilhermina, a 9-year-old, 12.5 kg, female Dachshund, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Daily outdoor access, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. One other dog of the same household that is also on FRONTLINE was reported on 18BR001994. No further information is available.
06-Mar-2018	UAE; 18BR001998; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	04-Mar-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unidentified female cat, received a dose of FRONTLINE® on an unspecified date (01 Feb 2018 – date chosen at random), for flea treatment. The owner complained that her cat remained with fleas and scratching. According to the owner, she applied FL to the cat and the environment. There is also another cat in the same household with similar problem (see case 18BR001999). The owner already used FL in the past with no issues No further information is available.
06-Mar-2018	UAE; 18BR001999; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	04-Mar-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unidentified male cat, received a dose of FRONTLINE® on an unspecified date (15 Feb 2018 – date chosen at random), days after applying the product in another cat (case 18BR001998) for flea treatment. The owner complained that her both cats remained with fleas and scratching. According to the owner, she applied FL only to this cat. There is also another cat in the same household with similar problem (see case 18BR001998). The owner already used FL in the past with no issues No further information is available.
03-Mar-2018	UAE; 18BR002003; MG; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20	1	1	0	**Product used:** FIPRONIL SPOT ON DOG	N/A	22-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Aurora, 3 to 4 years old, 12.5 kilogram, canine, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS® (FL)

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		Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 12.5 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					(lot, exp date, route and site of administration unknown), approximately 02 months ago (22 Dec 2017 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because her animal remained with fleas. Approximately 02 month after, she applied FRONTLINE PLUS DOG® (see case 18BR001957). The owner said that she already used FL in the past with positive results. No further information is available.
06-Mar-2018	UAE; 18BR002007; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Menina, a 4-year-old, 20 kg, female crossbred dog, was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002008, 18BR002009, 18BR002010, 18BR002011, 18BR002012, 18BR002013, 18BR002014, 18BR002015 and 18BR002016. No further information is available.
06-Mar-2018	UAE; 18BR002008; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Menina, a 10 kg, female crossbred dog (age unknown), was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002007, 18BR002009, 18BR002010, 18BR002011, 18BR002012, 18BR002013, 18BR002014, 18BR002015 and 18BR002016. No further information is available.
06-Mar-2018	UAE; 18BR002009; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment /	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pretinha, a 10 kg, female crossbred dog (age unknown), was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002007, 18BR002008, 18BR002010, 18BR002011, 18BR002012, 18BR002013, 18BR002014, 18BR002015 and 18BR002016. No further information is available.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						vaccination program not respected)					
06-Mar-2018	UAE; 18BR002010; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pimentel, a 10-year-old, 10 kg, male crossbred dog, was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002007, 18BR002008, 18BR002009, 18BR002011, 18BR002012, 18BR002013, 18BR002014, 18BR002015 and 18BR002016. No further information is available.
06-Mar-2018	UAE; 18BR002011; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Choco, a 10 kg, male crossbred dog (age unknown), was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002007, 18BR002008, 18BR002009, 18BR002010, 18BR002012, 18BR002013, 18BR002014, 18BR002015 and 18BR002016. No further information is available.
06-Mar-2018	UAE; 18BR002012; PR; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Miucha, a 5-year-old, 2 kg, female Pinscher, was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002007, 18BR002008, 18BR002009, 18BR002010, 18BR002011, 18BR002013, 18BR002014, 18BR002015 and 18BR002016. No further information is available.

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06-Mar-2018	UAE; 18BR002013; PR; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cacau, a 5-year-old, 8 kg, female Basset Hound, was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002007, 18BR002008, 18BR002009, 18BR002010, 18BR002011, 18BR002012, 18BR002014, 18BR002015 and 18BR002016. No further information is available.
06-Mar-2018	UAE; 18BR002014; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dorinha, a 5-year-old, 10 kg, female crossbred dog, was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002007, 18BR002008, 18BR002009, 18BR002010, 18BR002011, 18BR002012, 18BR002013, 18BR002015 and 18BR002016. No further information is available.
06-Mar-2018	UAE; 18BR002015; PR; Brazil	**Species:** Canine **Breed:** Chihuahua **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Imezita, a 13-year-old, 1.5 kg, female Chihuahua, was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002007, 18BR002008, 18BR002009, 18BR002010, 18BR002011, 18BR002012, 18BR002013, 18BR002014 and 18BR002016. No further information is available.
06-Mar-2018	UAE; 18BR002016; PR; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	01-Jul-2017*	14-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dorinha, a 12-month-old, 10 kg, female crossbred dog, was treated with unknown dose of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), 1 vial for 10 dogs, topic, base of skull and btw the

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: F **Sex qualifier:** Unknown **Age:** 12.00 Month(s) **Weight:** 10 kg				9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					shoulder blades, by the reporter, 3 weeks ago (presumed 13 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FL has been applied monthly for the past 3 months, but the dog remains infested. Environment treated (details unknown). FRONTLINE was applied in the past with no issues (dose frequency unknown and 1st application on date not specified – 1 Jul 2017 chosen at random). 9 other dogs were reported on 18BR002007, 18BR002008, 18BR002009, 18BR002010, 18BR002011, 18BR002012, 18BR002013, 18BR002014 and 18BR002015. No further information is available.
05-Mar-2018	UAE; 18BR002017; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	02-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one dog of unknown signalment was treated with one vial of FRONTLINE (unsubstantiated) (lot and exp unknown), by the reporter, on date not specified (1 Mar 2018 chosen at random). The owner believes that FRONTLINE did not work as well as it used to, however there is no information regarding what happened. FRONTLINE was applied in the past with no issues (1st application on date not specified - 1 Jan 2017 chosen at random). This is the extent of the information available.
06-Mar-2018	UAE; 18BR002018; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	23-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 2 cats of unknown signalment were treated with FRONTLINE (unsubstantiated) (lot and exp unknown), by the reporter, 12 days ago (presumed 22 Feb 2018), for flea treatment. Lack of efficacy suspected because the cats continued to have fleas. Other details were not provided. One dog of the same household that is also on FRONTLINE was reported on 18BR002019. No further information is available. UPDATE 13 MAR 2018 – The pet owner was contacted and she reported that Maria, a 3-year-old, 5 kg, female mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, neck, on 22 Feb 2018. Flea infestation 10 days prior to FL, environment treated with K-Othrine. FRONTLINE has been applied every 30-45 days to the cat with no issues (first application on date not specified – 1 Jan 2017 chosen at random). The 2nd cat was reported on 18BR002213. There is no further information expected. UPDATE 20 MAR 2018 - Another company's product (details not provided) was applied to the cat, and no more fleas have been seen since then. Because of that, the owner still believes that FRONTLINE does not work as well as it used to. No further information is available.
06-Mar-2018	UAE; 18BR002019; SP; Brazil	**Species:** Canine **Breed:** Retriever Labrador **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 45 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	01-Jan-2017*	23-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 1 dog of unknown signalment was treated with one vial of FRONTLINE PLUS FOR DOGS (size, lot and exp unknown), by the reporter, 12 days ago (presumed 22 Feb 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Other details were not provided. 2 cats of the same household that are also on FRONTLINE were reported on 18BR002018. No further information is available. UPDATE 13 MAR 2018 – The pet owner was contacted and she reported that

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						Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					Scooby, a 10-year-old, 45 kg, male Labrador Retriever, was treated with one vial of FRONTLINE PLUS DOG XL (FL) (lot and exp unknown), topic, neck, on 22 Feb 2018. Flea infestation 10 days prior to FL, environment treated with K-Othrine. FRONTLINE has been applied every 30-45 days to the dog with no issues (first application on date not specified – 1 Jan 2017 chosen at random). The 2 cats were reported on 18BR002018 and 18BR002213. There is no further information expected. UPDATE 20 MAR 2018 - Another company's product (details not provided) was applied to the dog, and no more fleas have been seen since then. Because of that, the owner still believes that FRONTLINE does not work as well as it used to. No further information is available.
07-Mar-2018	UAE; 18BR002020; MG; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 2.3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	06-Mar-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pipoca, a 3-month-old, 2.3 kg, male Shih Tzu, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 15 Feb 2018, for tick control. Lack of efficacy suspected because the dog is infested by ticks again since yesterday (6 Mar 2018). Outdoor access denied, environment treated with Butox. It is unknown if FRONTLINE was applied to the pup in the past. No further information is available.
07-Mar-2018	UAE; 18BR002022; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	21-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Poly, a 14-year-old, 6 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 20 days prior to FL, environment treated with Butox. FRONTLINE was applied in the past to the pet with no issues (dose frequency unknown and 1st application on date not specified – 1 Jan 2017 chosen at random). 2 other pets of the same household that are also on FRONTLINE were reported on 18BR002023 and 18BR002024. No further information is available.
07-Mar-2018	UAE; 18BR002023; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	21-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sol, a 14-year-old, 5 kg, female crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 20 days prior to FL, environment treated with Butox. FRONTLINE was applied in the past to the pet with no issues (dose frequency unknown and 1st application on date not specified – 1 Jan 2017 chosen at random). 2 other pets of the same household that are also on FRONTLINE were reported on 18BR002022 and 18BR002024. No further information is available.
07-Mar-2018	UAE; 18BR002024; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous	01-Jan-2017*	21-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Atena, a 3-year-old, 3 kg, female mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Feb 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 20 days prior to FL, environment treated with Butox. FRONTLINE was applied in the past to the pet with no issues

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		Weight: 3 kg				**Was the product used ok?:** Yes					(dose frequency unknown and 1st application on date not specified – 1 Jan 2017 chosen at random). 2 other pets of the same household that are also on FRONTLINE were reported on 18BR002022 and 18BR002023. No further information is available.
07-Mar-2018	UAE; 18BR002027; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	20-Jan-2018*	07-Mar-2018*	4 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet onwer via social media, an unknown number of dogs of unknown signalmente, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random), for flea treament. Lack of efficacy is suspected because the pet remains with fleas. FL was applied in the past with no issue (20 Jan 2018 - chosen at random). This is the extent of the information available.
06-Mar-2018	UAE; 18BR002028; ES; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 05 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	02-Mar-2018	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the DVM, Luli, 4 years old, 05 kilogram, feline, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON CAT® (FL) (lot, exp date, route and site of administration unknown), on 02 Mar 2018, for unknown reason. Administered byt the DVM. According to her the product 'burn' the animal in the site of application. No further information is available.
07-Mar-2018	UAE; 18BR002029; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	4 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Otto, a male Poodle of 10 years old and 5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002030 to 18BR002035. No further information is expected.
07-Mar-2018	UAE; 18BR002030; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	4 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mariana, a female Poodle of 12 years old and 9 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002029, 18BR002031 to 18BR002035. No further information is expected.
07-Mar-2018	UAE; 18BR002031; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products**	N/A	07-Mar-2018*	4 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Gustavo, a male Maltese of 6 years old and 5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter

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		Unknown **Age:** 6.00 Year(s) **Weight:** 5 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					on 1 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002029, 18BR002030, 18BR002032 to 18BR002035. No further information is expected.
07-Mar-2018	UAE; 18BR002032; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	4 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pretinha, a female large crossbred dog of 14 years old and 35 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (007/17, Dec 2018, topical, btw the shoulder blades), applied by the reporter on 1 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002029, 18BR002030, 18BR002031, 18BR002033 to 18BR002035. No further information is expected.
07-Mar-2018	UAE; 18BR002033; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	4 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Amigão, a male large crossbred dog of 16 years old and 20 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (007/17, Dec 2018, topical, btw the shoulder blades), applied by the reporter on 1 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002029 to 18BR002032, 18BR002034 and 18BR002035. No further information is expected.
07-Mar-2018	UAE; 18BR002034; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	4 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nala, a male mixed breed cat of 6 years old and 3 kg, received one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002029 to 18BR002033 and 18BR002035. No further information is expected.
07-Mar-2018	UAE; 18BR002035; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	4 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Fefê, a male mixed breed cat of 7 years old and 7 kg, received one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002029 to 18BR002034. No further information is expected.
07-Mar-2018	UAE; 18BR002037; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20	1	1	0	**Product used:** FIPRONIL SPOT ON DOG	20-Feb-2015*	20-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Lilika, 4 years old, 14 kilogram, canine, female, neutered, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot

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		Kg) **Sex:** F **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 14 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					005/16, exp date JUN 2018, topically, between the shoulder blades), applied by the owner, 15 days ago (20 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because her animal remained with fleas . The owner had already used, in the near past, a pipette without results (20 Jan 2018 – date chosen at random). According to the owner she applies FL every 2 months in her dogs. There is also another dog in the same household with similar problem (see case 18BR002038) as 03 other cats, also treated with FRONTLINE® who have no issues. The owner said that she had used FL in the past with another dog, without issues. The environment outside the house has been treated but inside the house no. No further information is available.
07-Mar-2018	UAE; 18BR002038; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Feb-2015*	20-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Leleka, 4 years old, 10 kilogram, canine, female, neutered, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot 005/16, exp date JUN 2018, topically, between the shoulder blades), applied by the owner, 15 days ago (20 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because her animal remained with fleas . The owner had already used, in the near past, a pipette without results (20 Jan 2018 – date chosen at random). According to the owner she applies FL every 2 months in her dogs. There is also another dog in the same household with similar problem (see case 18BR002037) as 03 other cats, also treated with FRONTLINE® who have no issues. The owner said that she had used FL in the past with another dog, without issues. The environment outside the house has been treated but inside the house no. No further information is available.
07-Mar-2018	UAE; 18BR002042; -; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Risco, a male medium crossbred dog of 9 months old and 12 kg, received one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
07-Mar-2018	UAE; 18BR002043; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 15.00 Month(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Puc, a male Shih Tzu of 15 months old and 5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 15 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. No further information is expected.
06-Mar-2018	UAE; 18BR002045;	**Species:** Canine **Breed:** Papillon	1	1	0	**Product used:** FIPRONIL SPOT	01-Dec-2017*	07-Mar-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Niko, a male Papillon of 1 year old and 1.9 kg, was

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	SP; Brazil	**Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 1.9 kg				ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					treated with FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 25 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and FL was applied in the past (1 Dec 2017 - chosen at random), but the dose frequency is unknown. No further information is expected.
07-Mar-2018	UAE; 18BR002046; PR; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Kika, a female Shih Tzu of 8 months old and 5.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 2 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
07-Mar-2018	UAE; 18BR002047; MS; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Feb-2018	07-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lilica, a female Shih Tzu of 3 years old and 7 kg, received one vial, for the second time, of FRONTLINE PLUS DOG S (FL) (014/17, Feb 2019, topical, btw the shoulder blades), applied by the reporter around 20 Feb 2018 (estimated date), for tick control. Lack of efficacy is suspected because the pet remains with ticks . The environment has not been treated and FL was applied, for the first time, on 5 Feb 2018. No further information is expected.
07-Mar-2018	UAE; 18BR002048; SP; Brazil	**Species:** Feline **Breed:** British Shorthair **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 4.3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** CAPSTAR; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Mar-2018	07-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Fufy, 08 years old, 4.3 kilogram, feline, female, British Shorthair, received for the first time, 01 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 015/17, exp date JAN 2019, topically, between the shoulder blades), administered by the owner on 01 Mar 2018, for flea treatment. The owner complained that she continues to find feces of fleas in her animal and that Fufy remains scratching herself. According to the owner, she also found spots of blood in her pet due to the scratch. The animal was previous infested with fleas and the owner gave to her CAPSTAR® on 27 Feb 2018. The environment has been treated with AGE®, an unidentified powder and was also vacuumed with the vacuum cleaner. No further information is available.
08-Mar-2018	UAE; 18BR002051; PR; Brazil	**Species:** Canine **Breed:** Border Collie **Sex:** M **Sex qualifier:** Unknown **Age:** 70.00 Day(s)	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical /	23-Feb-2018	23-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Marley, a 70-day-old, 2 kg, male Border Collie, was treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, whole body, by the reporter, for the first time, on 23 Feb 2018, for tick treatment. The amount of ticks has decreased, however lack of efficacy is suspected because the pup continued to have live ticks . Tick infestation 2 days prior to FL, environment treated (details

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		Weight: 2 kg				Cutaneous **Was the product used ok?:** Yes					unknown). Similar case reported on 18BR002052. PQC reported on 18BR002050. No further information is available.
08-Mar-2018	UAE; 18BR002052; PR; Brazil	**Species:** Canine **Breed:** Border Collie **Sex:** F **Sex qualifier:** Unknown **Age:** 70.00 Day(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Feb-2018	23-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luna, a 70-day-old, 2 kg, female Border Collie, was treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, whole body, by the reporter, for the first time, on 23 Feb 2018, for tick treatment. The amount of ticks has decreased, however lack of efficacy is suspected because the pup continued to have live ticks . Tick infestation 2 days prior to FL, environment treated (details unknown). Similar case reported on 18BR002051. PQC reported on 18BR002050. No further information is available.
08-Mar-2018	UAE; 18BR002053; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Filomena, a female small crossbred dog of 2 years old and 4 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet is scratching herself, but no fleas were reported. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied . There are two cats in this household that were treated with FL and they have no issue. No further information is expected.
07-Mar-2018	UAE; 18BR002054; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Month(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	N/A	04-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Biela, a 12-month-old, 8 kg, female Shih Tzu, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 4 days ago (3 Mar 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas and scratching. Flea infestation one week prior to FL, environment not treated, outdoor access denied. It is unknown if FRONTLINE was applied to the dog in the past. SAE reported on 18BR002055. No further information is available.
07-Mar-2018	UAE; 18BR002055; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Month(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No	N/A	03-Mar-2018*	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Biela, a 12-month-old, 8 kg, female Shih Tzu, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 4 days ago (3 Mar 2018), for flea treatment. 'Right after' product application, the dog started scratching more than prior to FL and also experiencing hair loss. Biela was not taken to the vet clinic and the signs are still ongoing. It is unknown if FRONTLINE was applied to the dog in the past. SLOE case reported on 18BR002054. No further information is available.

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						(Overdose)					
07-Mar-2018	UAE; 18BR002058; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Dec-2017*	07-Mar-2018*	4 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, an unknown number of dogs of unknown signalment were treated with FROTNLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018 - chosen at random), for tick treatment. Lack of efficacy is suspected because the dogs remain with ticks. FL was applied in the past with no issue (1 Dec 2017 - chosen at random). This is the extent of the information available.
07-Mar-2018	UAE; 18BR002060; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	07-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, an unidentified dog , 03 kilogram, received FRONTLINE ®(FL) (lot, exp date, route and site of administration unknown), applied by the owner on an unspecified date (20 Feb 2018 – date chosen at random) between the shoulder blades), for flea treatment. The owner complained that before 01 month the animal got fleas again. According to the owner she already used FL in the past with no issues. The environmental conditions are unknown. No further information is available.
08-Mar-2018	UAE; 18BR002064; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Feb-2018	07-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bartolomeu, a male Persian of 9 years old and 5.5 kg, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 15 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin every 30 days. The pet also reacted after FL application (see case 18BR002065). No further information is expected.
08-Mar-2018	UAE; 18BR002065; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Feb-2018	01-Mar-2018*	2 Week(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Bartolomeu, a male Persian of 9 years old and 5.5 kg, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 15 Feb 2018, for flea treatment. On date not specified (1 Mar 2018 - chosen at random), the pet presented with application site hair loss, scratching (due to fleas) and wounds (this could be secondary to the itching). The dog was taken to the vet, but the treatment was not provided. The owner also complained about the lack of efficacy of FL (see case 18BR002065). No further information is expected.
08-Mar-2018	UAE;	**Species:** Canine	1	1	0	**Product used:**	N/A	08-Mar-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Keni,

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	18BR002066; SP; Brazil	**Breed:** Siberian Husky **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 20 kg				FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					15 years old, 20 kilogram, canine, female, Siberian Husky, received ½ pipette of FRONTLINE PLUS DOG XL (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner 02 days ago (06 Mar 2018 - estimated date) for tick treatment. The owner complained about the lack of efficacy because her animal has many ticks. The environment has been treated with K-OTHRINE® AND BUTOX®. According to the owner she bought 02 pipettes and split them among her 04 dogs, applying FL with a syringe. There are another 03 dogs in the same household with similar problem (see cases 18BR002067 to 18BR002069). The owner said that her neighbor´s house is under construction and believes ticks must come from there. No further information is available.
08-Mar-2018	UAE; 18BR002067; SP; Brazil	**Species:** Canine **Breed:** Siberian Husky **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 19 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	08-Mar-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Sami, 10 years old, 19 kilogram, canine, female, Siberian Husky, received ½ pipette of FRONTLINE PLUS DOG XL (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner 02 days ago (06 Mar 2018 - estimated date) for tick treatment. The owner complained about the lack of efficacy because her animal has many ticks. The environment has been treated with K-OTHRINE® AND BUTOX®. According to the owner she bought 02 pipettes and split them among her 04 dogs, applying FL with a syringe. There are another 03 dogs in the same household with similar problem (see cases 18BR002066, 18BR002068 and 18BR002069). The owner said that her neighbor´s house is under construction and believes ticks must come from there. No further information is available.
08-Mar-2018	UAE; 18BR002068; SP; Brazil	**Species:** Canine **Breed:** Siberian Husky **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	08-Mar-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Jade, 10 years old, 18 kilogram, canine, female, Siberian Husky, received ½ pipette ofFRONTLINE PLUS DOG XL (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner 02 days ago (06 Mar 2018 - estimated date) for tick treatment. The owner complained about the lack of efficacy because her animal has many ticks. The environment has been treated with K-OTHRINE® AND BUTOX®. According to the owner she bought 02 pipettes and split them among her 04 dogs, applying FL with a syringe. There are another 03 dogs in the same household with similar problem (see cases 18BR002066, 18BR002067 and 18BR002069). The owner said that her neighbor´s house is under construction and believes ticks must come from there. No further information is available.
08-Mar-2018	UAE; 18BR002069; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** U **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	N/A	08-Mar-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Luna, 01 years old, 10 kilogram, canine, unknown sex, Mixed Breed, received ½ pipette of FRONTLINE PLUS DOG XL (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner 02 days ago (06 Mar 2018 - estimated date) for tick treatment. The owner complained about the lack of efficacy

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		Unknown **Age:** 1.00 Year(s) **Weight:** 10 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					because her animal has many ticks. The environment has been treated with K-OTHRINE® AND BUTOX®. According to the owner she bought 02 pipettes and split them among her 04 dogs, applying FL with a syringe. There are another 03 dogs in the same household with similar problem (see cases 18BR002066 to 18BR002068). The owner said that her neighbor´s house is under construction and believes ticks must come from there. No further information is available.
08-Mar-2018	UAE; 18BR002090; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** Unknown	5	5	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Mar-2018	08-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 5 kittens born on 15 Dec 2017 (other signalment is unknown) ewere treated with FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, whole body), applied, for the first time, by the reporter today (8 Mar 2018), around 5 pm. Lack of efficacy is suspected because the cats remain with fleas. This is the extent of the information available.
08-Mar-2018	UAE; 18BR002091; RJ; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Month(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	08-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Theo, a male small crossbred dog of 10 months old and 5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 22 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with amitraz. FL was applied in the past with no issue (1 Jul 2017 - chosen at random). No further information is expected.
08-Mar-2018	UAE; 18BR002092; SC; Brazil	**Species:** Canine **Breed:** Shar Pei **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 24 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Mar-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Keiko Xan, a female Shar Pet of 4 years old and 24 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 3 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
08-Mar-2018	UAE; 18BR002094; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical /	10-Feb-2018*	10-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Malu, a 6-year-old, 9 kg, male crossbred dog, has been treated with unknown dose of FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, neck, by the reporter, every week, for almost one month (10 Feb 2018 chosen at random for first application and 3 Mar 2018 chosen at random for last application), for flea treatment. Lack of efficacy suspected because the dog continued to have

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		Age: 6.00 Year(s) **Weight:** 9 kg				Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					fleas. Environment treated (details not provided). One other dog of the same household that is also on FL was reported on 18BR002095. No further information is available.
08-Mar-2018	UAE; 18BR002095; SP; Brazil	**Species:** Canine **Breed:** Pomeranian **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	10-Feb-2018*	10-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Scoob, a 7-year-old, 7 kg, male Pomeranian, has been treated with unknown dose of FRONTLINE SPRAY (FL) (002/17, exp unknown), topic, neck, by the reporter, every week, for almost one month (10 Feb 2018 chosen at random for first application and 3 Mar 2018 chosen at random for last application), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Environment treated (details not provided). One other dog of the same household that is also on FL was reported on 18BR002094. No further information is available.
08-Mar-2018	UAE; 18BR002100; RJ; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 2.30 Year(s) **Weight:** 3 kg	4	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	21-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tufão, a 2.3-year-old, 3 kg, male Maltese, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation prior to FL, environment treated. There are 3 cats in the same household that are also on FRONTLINE, with no issues reported. FRONTLINE was applied to Tufão in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). SAE case reported on 18BR002101. No further information is available. UPDATE 9 MAR 2018 – The dog is still infested by fleas. There is no further information expected.
08-Mar-2018	UAE; 18BR002101; RJ; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 2.30 Year(s) **Weight:** 3 kg	4	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	08-Mar-2018*	16 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Tufão, a 2.3-year-old, 3 kg, male Maltese, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 20 Feb 2018, for flea treatment. More than 2 weeks post product application (today – 8 Mar 2018), the owner noticed reddening of the skin at the application site of FL. No other signs reported. The sign is still ongoing. FRONTLINE was applied to Tufão in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). SLOE case reported on 18BR002100. This is the extent of the information available. UPDATE 9 MAR 2018 – The pet owner also noticed some application site wounds, and Tufão is also scratching the application site. The signs are still ongoing, and not treatment was provided. There is no further information expected.
08-Mar-2018	UAE; 18BR002104; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	08-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 1 cat of unknown signalment was treated with FRONTLINE DOGS (FL) (unsubstantiated) (lot, exp date, route, location and dose are unknown, off-label - species not indicated and the vial was

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		Sex qualifier: Unknown **Age:** - **Weight:** Unknown				9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Species not indicated / recommended)					fractionated), applied by the reporter on date not specified (1 Mar 2018), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. 7 other cats were also treated with FL DOGS and they have no issue (see case 18BR002105). This is the extent of the information available.
09-Mar-2018	UAE; 18BR002106; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	09-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Boreal, 3 months old, 2.5 kilogram, feline, male, Siamese, received 01 pipette of FRONTLINE PLUS CATS (FL) (lot 005/17 and exp date unknown, topically, between the shoulder blades), 15 days ago (23 Feb 2018 – estimated date), for flea treatment, administered by the owner. According to the owner, her animal already had fleas 01 month prior to treatment. The environment has not been treated. No further information is available.
09-Mar-2018	UAE; 18BR002107; PR; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	09-Mar-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nity, a male Yorkshire of 4 years old and 2.5 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 28 Feb 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied . Similar cases were reported on 18BR002108, 18BR002109 and 18BR002110. No further information is expected.
09-Mar-2018	UAE; 18BR002108; PR; Brazil	**Species:** Canine **Breed:** Fila Brasiliera **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	09-Mar-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chorão, a male Brazilian Mastiff of 4 years old and 40 kg, received one vial of FRONTLINE SPOT-ON DOG XL (FL) (006/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 28 Feb 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002107, 18BR002109 and 18BR002110. No further information is expected.
09-Mar-2018	UAE; 18BR002109; PR; Brazil	**Species:** Canine **Breed:** Fila Brasiliera **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 50 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	09-Mar-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jheby, a male Fila Brasileira of 4 years old and 50 kg, received one vial of FRONTLINE SPOT-ON DOG XL (FL) (006/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 28 Feb 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002107,

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						product used ok?: Yes					18BR002108 and 18BR002110. No further information is expected.
09-Mar-2018	UAE; 18BR002110; PR; Brazil	**Species:** Canine **Breed:** Fila Brasiliera **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 50 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	09-Mar-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dora, a female Fila Brasileira of 5 year old and 50 kg, received one vial of FRONTLINE SPOT-ON DOG XL (FL) (006/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 28 Feb 2018, for flea treatment. Flea infestation 2 months prior to FL. Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with deltamethrin and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002107, 18BR002108 and 18BR002109. No further information is expected.
08-Mar-2018	UAE; 18BR002115; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.30 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes	01-Jan-2016*	25-Feb-2018*	8 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one 3-year-old male dog (other signalment unknown) was treated with one vial of FRONTLINE SPOT-ON DOGS (FRONTLINE) (size, lot and exp unknown), by the reporter, on 26 Dec 2017. Lack of efficacy suspected because the owner discovered fleas on her dog one week ago (1 Mar 2018), less than 3 months of product application. FRONTLINE has been applied to the dog with no issues since date not specified (1 Jan 2016 chosen at random). As FRONTLINE did not work as well as it used to, FRONTLINE PLUS DOGS was applied. This is the extent of the information available. UPDATE 12 MAR 2018 - The pet owner was contacted and she reported that Marley, a 3.3-year-old, 25 kg, male crossbred dog, was treated with FRONTLINE SPOT-ON DOGS L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, for flea and tick prevention. Dog not infested prior to FL, environment not treated, daily outdoor access. FRONTLINE PLUS DOGS was applied to Marley on 26 Feb 2018 and he is not infested by fleas anymore. There is no further information expected.
09-Mar-2018	UAE; 18BR002117; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 7.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	20-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg, a 2.5-year-old, 7.5 kg, female Shih Tzu, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, from the base of skull to near the tail, by the reporter, more than 2 weeks ago (19 Feb 2018 chosen at random), for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation 2 months prior to FL, environment treated (details unknown). 7 other dogs of the same household that are also on FRONTLINE were reported on 18BR002118, 18BR002119, 18BR002120, 18BR002121, 18BR002122, 18BR002123 and 18BR002124. No further information is available.
09-Mar-2018	UAE; 18BR002118; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Month(s) **Weight:** 2.8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	20-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Princesa, a 12-month-old, 2.8 kg, female Shih Tzu, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, from the base of skull to near the tail, by the reporter, more than 2 weeks ago (19 Feb 2018 chosen at random), for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation 2 months prior to FL, environment treated (details unknown). 7 other

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						Was the product used ok?: No (Treatment / vaccination program not respected)					dogs of the same household that are also on FRONTLINE were reported on 18BR002117, 18BR002119, 18BR002120, 18BR002121, 18BR002122, 18BR002123 and 18BR002124. No further information is available.
09-Mar-2018	UAE; 18BR002119; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	19-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Billy, an 1-month-old, 1.5 kg, male Shih Tzu, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, from the base of skull to near the tail, by the reporter, more than 2 weeks ago (19 Feb 2018 chosen at random), for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation prior to FL, environment treated (details unknown). 7 other dogs of the same household that are also on FRONTLINE were reported on 18BR002117, 18BR002118, 18BR002120, 18BR002121, 18BR002122, 18BR002123 and 18BR002124. No further information is available.
09-Mar-2018	UAE; 18BR002120; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	19-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Floquinho, an 1-month-old, 1.5 kg, male Shih Tzu, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, from the base of skull to near the tail, by the reporter, more than 2 weeks ago (19 Feb 2018 chosen at random), for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation prior to FL, environment treated (details unknown). 7 other dogs of the same household that are also on FRONTLINE were reported on 18BR002117, 18BR002118, 18BR002119, 18BR002121, 18BR002122, 18BR002123 and 18BR002124. No further information is available.
09-Mar-2018	UAE; 18BR002121; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	19-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Joy, an 1-month-old, 1.5 kg, male Shih Tzu, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, from the base of skull to near the tail, by the reporter, more than 2 weeks ago (19 Feb 2018 chosen at random), for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation prior to FL, environment treated (details unknown). 7 other dogs of the same household that are also on FRONTLINE were reported on 18BR002117, 18BR002118, 18BR002119, 18BR002120, 18BR002122, 18BR002123 and 18BR002124. No further information is available.
09-Mar-2018	UAE; 18BR002122; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F	1	1	0	**Product used:** FIPRONIL SPRAY	N/A	19-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meg Maria, an 1-month-old, 1.5 kg, female Shih Tzu, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, from

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		Sex qualifier: Unknown **Age:** 1.00 Month(s) **Weight:** 1.5 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					the base of skull to near the tail, by the reporter, more than 2 weeks ago (19 Feb 2018 chosen at random), for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation prior to FL, environment treated (details unknown). 7 other dogs of the same household that are also on FRONTLINE were reported on 18BR002117, 18BR002118, 18BR002119, 18BR002120, 18BR002121, 18BR002123 and 18BR002124. No further information is available.
09-Mar-2018	UAE; 18BR002123; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	19-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Joyce, an 1-month-old, 1.5 kg, female Shih Tzu, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, from the base of skull to near the tail, by the reporter, more than 2 weeks ago (19 Feb 2018 chosen at random), for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation prior to FL, environment treated (details unknown). 7 other dogs of the same household that are also on FRONTLINE were reported on 18BR002117, 18BR002118, 18BR002119, 18BR002120, 18BR002121, 18BR002122 and 18BR002124. No further information is available.
09-Mar-2018	UAE; 18BR002124; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Month(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	19-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pamela, an 1-month-old, 1.5 kg, female Shih Tzu, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, from the base of skull to near the tail, by the reporter, more than 2 weeks ago (19 Feb 2018 chosen at random), for flea and tick treatment. Lack of efficacy suspected because the dog continued to have fleas and ticks. Flea and tick infestation prior to FL, environment treated (details unknown). 7 other dogs of the same household that are also on FRONTLINE were reported on 18BR002117, 18BR002118, 18BR002119, 18BR002120, 18BR002121, 18BR002122 and 18BR002123. No further information is available.
09-Mar-2018	UAE; 18BR002125; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not	N/A	18-Feb-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Julia, 1 year old, 2 kilograms, canine, female, Pinscher, received a dose of FRONTLINE SPRAY 100 mL (FL) (lot and exp date unknown, topically, on the back), administered by the owner, approximately 20 days ago (17 Feb 2018 – estimated date), for flea treatment and the animal continued to have fleas. After that the pet also received NEXGARD (see case 18BR002061). The owner complained that her pet remained with fleas. The owner also have 4 cats who live in the same household that received FRONTLINE SPRAY 100 mL on the same day as Julia and continues to have fleas (see cases 18BR002126 to 18BR002128). The environment has not been treated. According to the owner, her dog got fleas when she adopted the cats 04 months ago. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						respected)					
09-Mar-2018	UAE; 18BR002126; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	18-Feb-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chalote, 1 year old, 1.5 kilograms, feline, female, Mixed Breed, received a dose of FRONTLINE SPRAY 100 mL (FL) (lot and exp date unknown, topically, on the back), administered by the owner, approximately 20 days ago (17 Feb 2018 – estimated date), for flea treatment and the animal continued to have fleas. The owner also have a dog who received FRONTLINE SPRAY (see case 18BR002125) and NEXGARD see case (18BR002061) and remains with fleas. The owner also have another 3 cats who live in the same household that received FRONTLINE SPRAY 100 mL on the same day and continues to have fleas (see cases 18BR002127 and 18BR002128). The environment has not been treated. No further information is available.
09-Mar-2018	UAE; 18BR002127; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 0.2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	18-Feb-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, an unidentified, 4 months old, 0.2 kilograms, feline, male, Mixed Breed, received a dose of FRONTLINE SPRAY 100 mL (FL) (lot and exp date unknown, topically, on the back), administered by the owner, approximately 20 days ago (17 Feb 2018 – estimated date), for flea treatment and the animal continued to have fleas. The owner also have a dog who received FRONTLINE SPRAY (see case 18BR002125) and NEXGARD see case (18BR002061) and remains with fleas. The owner also have another 3 cats who live in the same household that received FRONTLINE SPRAY 100 mL on the same day and continues to have fleas (see cases 18BR002126 and 18BR002128). The environment has not been treated. No further information is available.
09-Mar-2018	UAE; 18BR002128; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 0.2 kg	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	18-Feb-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 2 unidentified, 4 months old, 0.2 kilograms, feline, female, Mixed Breed, received a dose of FRONTLINE SPRAY 100 mL (FL) (lot and expdate unknown, topically, on the back), administered by the owner, approximately 20 days ago (17 Feb 2018 – estimated date), for flea treatment and the animal continued to have fleas. The owner also have a dog who received FRONTLINE SPRAY (see case 18BR002125) and NEXGARD see case (18BR002061) and remains with fleas. The owner also have another 3 cats who live in the same household that received FRONTLINE SPRAY 100 mL on the same day and continues to have fleas (see cases 18BR002126 and 18BR002127). The environment has not been treated. No further information is available.
09-Mar-2018	UAE; 18BR002135; RJ; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used**	N/A	09-Dec-2017*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, an unknown number of cats of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on 1 Dec 2017, for flea treatment. Lack of efficacy is suspected because the animals remain with fleas. The owner also complained about the lack of efficacy of FRONTLINE PLUS (see case 18BR002136). This is the extent of the information available.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Unknown to Company					
09-Mar-2018	UAE; 18BR002136; RJ; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2018*	09-Mar-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, an unknown number of cats of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on 1 Mar 2018, for flea treatment. Lack of efficacy is suspected because the animals remain with fleas. FL PLUS has been applied monthly since 1 Jan 2018 (chosen at random). The owner also complained about the lack of efficacy of an unknown FRONTLINE (see case 18BR002135). This is the extent of the information available.
09-Mar-2018	UAE; 18BR002138; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Nov-2017*	10-Dec-2017*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of cats of unknown signalment, received FRONTLINE SPRAY x 250 mL (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Dec 2017 - chosen at random), for flea treatment. Lack of efficacy is suspected because the animals had fleas. The environment has been treated with an unknown product. FL was applied on 1 Nov 2017 (chosen at random) and the owner continued to see fleas on her animal. An unknown tablet of another company was administered and the animals has no ectoparasites. This is the extent of the information available. UPDATE 13 MAR 2018 - The pet owner was contacted and reported that Ágata, a female mixed breed cat of 3 months old and unknown weight, was treated with FL (topical, whole body), applied by the reporter on 1 Jan 2018 (estimated date). The environment has been treated with Butox® every 15 days. FL was applied weekly since 1 Nov 2017 (estimated date). The other cat was reported on 18BR002220. No further information is expected.
12-Mar-2018	UAE; 18BR002144; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 7.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Penelope, 15 years old, 7.5 kilogram, canine, female, Poodle, received 1 pipette of FRONTLINE SPOT-ON DOGS® (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 12 Jan 2018 for flea treatment. The owner complained about the lack of efficacy because her animal remains with fleas. The environment has been treated with BUTOX®. According to the owner she believes her animal may be getting fleas from outside sources. There is also another dog in the same household with similar problem (see case 18BR002145). The owner also used FRONTLINE SPRAY 100 mL with no results (see cases18BR002146 and 18BR002147). No further information is available.
12-Mar-2018	UAE; 18BR002145; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 03 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	12-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Pandora, 6 months old, 3 kilogram, canine, female, Maltese, received 1 pipette of FRONTLINE SPOT-ON DOGS® (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 12 Jan 2018 for flea treatment. The owner complained about the lack of efficacy because her animal remains with fleas. The environment has been treated with BUTOX®. According to the owner she believes her animal may be getting fleas from outside sources. There is also another dog in the same

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: Yes					household with similar problem (see case 18BR002144). The owner also used FRONTLINE SPRAY 100 mL with no results (see cases 18BR002146 and 18BR002147). No further information is available.
12-Mar-2018	UAE; 18BR002146; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 7.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Mar-2018*	8 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Penelope, 15 years old, 7.5 kilogram, canine, female, Poodle, received 1 dose of FRONTLINE SRAY 100 mL (FL) (lot and exp date unknown, topically, in the whole body), applied by the owner on 09 Mar 2018 for flea treatment. The owner complained about the lack of efficacy because her animal remains with fleas. The environment has been treated with BUTOX®. According to the owner she believes her animal may be getting fleas from outside sources. There is also another dog in the same household with similar problem (see case 18BR002147). The owner also used FRONTLINE SPOT-ON DOGS® with no results (see cases 18BR002144 and 18BR002145). No further information is available.
12-Mar-2018	UAE; 18BR002147; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Mar-2018	8 Week(s) 3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Pandora, 6 months old, 3 kilogram, canine, female, Maltese, received 1 dose of FRONTLINE SRAY 100 mL (FL) (lot and exp date unknown, topically, in the whole body), applied by the owner on 09 Mar 2018 for flea treatment. The owner complained about the lack of efficacy because her animal remains with fleas. The environment has been treated with BUTOX®. According to the owner she believes her animal may be getting fleas from outside sources. There is also another dog in the same household with similar problem (see case 18BR002146). The owner also used FRONTLINE SPOT-ON DOGS® with no results (see cases 18BR002144 and 18BR002145). No further information is available.
12-Mar-2018	UAE; 18BR002148; BA; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	12-Mar-2018	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Sasha, 13 years old, 5.5 kilogram, canine, female, Shih Tzu, received 1 pipette of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner today (12 Mar 2018) for tick treatment. The owner complained about the lack of efficacy because her animal remained with ticks. The environment has not been treated. According to the owner she visualizes ticks on the walls. There is also another dog in the same household with similar problem (see case 18BR002149). No further information is available.
12-Mar-2018	UAE; 18BR002149; BA; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	12-Mar-2018	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Yohan, 8 years old, 6 kilogram, canine, male, Shih Tzu, received 1 pipette of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner today (12 Mar 2018) for tick treatment. The owner complained about the lack of efficacy because her animal remained with ticks. The environment has not been treated. According to the owner she visualizes ticks on the walls. There is also another dog in the same household with similar problem (see case 18BR002148). No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
12-Mar-2018	UAE; 18BR002150; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 33 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	06-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Zeus, a 7-year-old, 33 kg, male crossbred dog, was treated with one vial of FRONTLINE SPOT-ON DOGS L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, one week ago (presumed 5 Mar 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one week prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. No further information is avaialble.
10-Mar-2018	UAE; 18BR002154; PR; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** F **Sex qualifier:** Unknown **Age:** 3.80 Year(s) **Weight:** 35.3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	08-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 5 German Shephers dogs of unknown signalment were treated with FRONTLINE PLUS DOGS (size, lot and exp unknown), 'according to the product label' (1 vial per dog, topic, between the shoulder blades) by the reporter, on date not specified (7 Mar 2018 chosen at random), for flea and tick treatment. Lack of efficacy suspected because the dogs continued to have fleas and ticks. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jul 2017 chosen at random). This is the extent of the information availalbe. UPDATE 12 MAR 2018 - The pet owner was contacted and reported that Vougan, a female German Shepherd Dog of 3.8 years old and 35.3 kg, received one vial of FRONTLINE PLUS DOG L (FL), applied by the reporter on 6 Mar 2018 for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with deltamethrin and FL is applied when the owner sees ectoparasites. Similar cases were reported on 18BR002178 to 18BR002181. No further information is expected.
12-Mar-2018	UAE; 18BR002155; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 16.00 Month(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	09-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Aisha, a 16-month-old, 3.5 kg, female Persian cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 22 Feb 2018, for flea treatment. All fleas died, however lack of efficacy is suspected because the cat is infested by fleas again 15 days post product application. It is unknown if FRONTLINE was applied to the cat in the past. This is the extent of the information available.
12-Mar-2018	UAE; 18BR002157; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	10-Mar-2018	12-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Kyara, unknown age, 10 kilogram, canine, female, Poodle, received 1/2 (half) pipette of FRONTLINE PLUS DOG M (FL) (lot and exp date unknown, topically, unknown site of application), applied by the owner on 11 Mar 2018, for flea treatment. The owner complained about the lack of efficacy because the product did not have effect. The owner fractionate the pipette. She applied half pipette on 10 Mar 2018 and the other half on 11 Mar. The environment has been treated with BUTOX®. According to the owner, her animal already had fleas for a long time . No further information is available.

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						product used ok?: No (Treatment / vaccination program not respected)					
12-Mar-2018	UAE; 18BR002159; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** U **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	13-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Nina, 10 years old, 3 kilogram, canine, Pinscher, received 1 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner 1 month ago (12 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because the product did not have effect and her animal remained with fleas. The environment has not been treated. According to the owner, her animal already had fleas since 1 month ago. The animal also received FRONTLINE TRI-ACT with no efficacy (see case 18BR002160). No further information is available.
10-Mar-2018	UAE; 18BR002178; PR; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Month(s) **Weight:** 33 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Athena, a female German Shepherd Dog of 14 months old and 33 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 6 Mar 2018 for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with deltamethrin and FL is applied when the owner sees ectoparasites (dose frequency is unknown; first application - 1 Jan 2017 - chosen at random). Similar cases were reported on 18BR002154, 18BR002179 to 18BR002181. No further information is expected.
10-Mar-2018	UAE; 18BR002179; PR; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** M **Sex qualifier:** Unknown **Age:** 3.60 Year(s) **Weight:** 33.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	10-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dom, a male German Shepherd Dog of 3.6 years old and 33.5 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 6 Mar 2018 for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with deltamethrin and FL is applied when the owner sees ectoparasites (dose frequency is unknown; first application - 1 Jan 2017 - chosen at random). Similar cases were reported on 18BR002154, 18BR002178, 18BR002180 and 18BR00281. No further information is expected.
10-Mar-2018	UAE; 18BR002180; PR; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** M **Sex qualifier:** Unknown **Age:** 3.40 Year(s) **Weight:** 35.3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	01-Jan-2017*	10-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Branco, a male German Shepherd Dog of 3.4 years old and 35.3 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 6 Mar 2018 for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with deltamethrin and FL is applied when the owner sees ectoparasites (dose frequency is unknown; first application - 1 Jan 2017 - chosen at random). Similar cases were reported on 18BR002154, 18BR002178, 18BR002179 and 18BR00281. No further information is expected.

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						ok?: Yes					
10-Mar-2018	UAE; 18BR002181; PR; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 37.9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	10-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Jati, a male German Shepherd Dog of 6 years old and 37.9 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 6 Mar 2018 for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The surrounding environment has been treated with deltamethrin and FL is applied when the owner sees ectoparasites (dose frequency is unknown; first application - 1 Jan 2017 - chosen at random). Similar cases were reported on 18BR002154, 18BR002178, 18BR002179 and 18BR002180. No further information is expected.
13-Mar-2018	UAE; 18BR002185; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Jan-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Kiko, 9 months old, 12 kilogram, canine, male, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on december (10 Dec 2017 – estimated date), for flea treatment. The owner complained about the lack of efficacy because the product only had effect for 1 month. The environment has not been treated. The animal goes for walks on the street 3 times a day. The owner also used FRONTLINE PLUS and complained about the lack of efficacy (see case 18BR002186). No further information is available.
13-Mar-2018	UAE; 18BR002186; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	N/A	13-Mar-2018*	3 Month(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Kiko, 9 months old, 12 kilogram, canine, male, Mixed Breed, received 1 pipette of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner last sunday (11 Mar 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. The environment has not been treated. The animal goes for walks on the street 3 times a day. The owner also used FRONTLINE SPOT-ON and complained about the lack of efficacy (see case 18BR002185). No further information is available.
13-Mar-2018	UAE; 18BR002193; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 980 gms	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	23-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Neguinho, at 13-year-old, 980 G, male Pinscher, was treated with one vial of FRONTLINE PLUS DOG S (FL) (014/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 22 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 8 days prior to FL, environment treated with Butox. FRONTLINE was applied in the past with no issues (dose unknown and first application on date not specified - 1 Jan 2015 chosen at random). Neguinho has no outdoor access, however he has contact with other dog of the same household that 'escapes to the streets sometimes'. It is unknown if that dog is treated. There is no further information available. UPDATE 23 MAR 2018 - The pet owner reported that another vial of FL (014/17, exp unknown) was applied to Neguinho on 22 Mar 2018, however the dog is still infested by fleas. The other dog of the same household received NEXGARD, and is not infested by fleas. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
13-Mar-2018	UAE; 18BR002194; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	13-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Vick, 4 years old, 2.5 kilogram, canine, female, Pinscher, received 1 pipette of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by other person on 21 Feb 2018, for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 3 months prior to treatment. The environment has been treated but the owner couldn´t identify the product. There are also 2 other dogs in the same household with similar problem (see cases 18BR002195 and 18BR002196). No further information is available.
13-Mar-2018	UAE; 18BR002195; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	13-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Lola, 9 years old, 3 kilogram, canine, female, Pinscher, received 1 pipette of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by other person on 21 Feb 2018, for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 3 months prior to treatment. The environment has been treated but the owner couldn´t identify the product. There are also 2 other dogs in the same household with similar problem (see cases 18BR002194 and 18BR002196). No further information is available.
13-Mar-2018	UAE; 18BR002196; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	13-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Pretinha, 4 years old, 2.5 kilogram, canine, female, Pinscher, received 1 pipette of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by other person on 21 Feb 2018, for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 3 months prior to treatment. The environment has been treated but the owner couldn´t identify the product. There are also 2 other dogs in the same household with similar problem (see cases 18BR002194 and 18BR002195). No further information is available.
13-Mar-2018	UAE; 18BR002197; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 1 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	12-Mar-2018	13-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Vida, a 3-month-old, 1 kg, female Maltese, was treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, whole body, for the first time, yesterday (12 Mar 2018), 9 pm, for tick treatment. Vida was in good health prior to FL. Today, the dog is scratching. No other issues noticed. There is no further information available.
13-Mar-2018	UAE; 18BR002201; SP; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** F	1	1	0	**Product used:** FIPRONIL SPRAY **Other products**	N/A	13-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Biceira, a female Basset of 5 years old and 10 kg, was treated with FRONTLINE SPRAY (FL) (014/16, Nov 2018, topical, whole body), applied by the reporter one month ago (around 13 Feb 2018). Lack

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		Sex qualifier: Unknown **Age:** 5.00 Year(s) **Weight:** 10 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					of efficacy is suspected because the pet remains with fleas . The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied . Similar cases were reported on 18BR002102, 18BR002103 and 18BR002104. No further information is expected.
13-Mar-2018	UAE; 18BR002202; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	13-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mutlei, a male small crossbred dog of 1 year old and 5 kg, was treated with FRONTLINE SPRAY (FL) (014/16, Nov 2018, topical, whole body), applied by the reporter one month ago (around 13 Feb 2018). Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002201, 18BR002203 and 18BR002204. No further information is expected.
13-Mar-2018	UAE; 18BR002203; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 1 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	13-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Fufuquinha, a female mixed breed cat of 3 months old and 1 kg, was treated with FRONTLINE SPRAY (FL) (014/16, Nov 2018, topical, whole body), applied by the reporter one month ago (around 13 Feb 2018). Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002201, 18BR002202 and 18BR002204. No further information is expected.
13-Mar-2018	UAE; 18BR002204; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	13-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mingau, a male mixed breed cat of 3 years old and 5 kg, was treated with FRONTLINE SPRAY (FL) (014/16, Nov 2018, topical, whole body), applied by the reporter one month ago (around 13 Feb 2018). Lack of efficacy is suspected because the pet remains with fleas. The surrounding environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002201, 18BR002202 and 18BR002203. No further information is expected.
13-Mar-2018	UAE; 18BR002207; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	08-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bidu, a 3-year-old, 9 kg approximately, male crossbred dog, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, location unknown, by the reporter, on 8 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 24 hours prior to FL, environment treated with Butox, outdoor access. It is unknown if FRONTLINE was applied to the pet in the past. 4 other dogs of the same household that are also on FL were reported on 18BR002208, 18BR002209, 18BR002210 and 18BR002211. No further information is availalbe. UPDATE 14 MAR 2018 - The owner reported that Bravecto was given to her dog and she discovered dead fleas after that. She still believes that FL did not work. No further information is available.

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13-Mar-2018	UAE; 18BR002208; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	08-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chandely, a 3-year-old, 9 kg approximately, female crossbred dog, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, location unknown, by the reporter, on 8 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 24 hours prior to FL, environment treated with Butox, outdoor access. It is unknown if FRONTLINE was applied to the pet in the past. 4 other dogs of the same household that are also on FL were reported on 18BR002207, 18BR002209, 18BR002210 and 18BR002211. No further information is availalbe. UPDATE 14 MAR 2018 - The owner reported that Bravecto was given to her dog and she discovered dead fleas after that. She still believes that FL did not work. No further information is available.
13-Mar-2018	UAE; 18BR002209; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 7 kg*	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	08-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tereza, a 3-year-old (approximately), 7 kg, female crossbred dog, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, location unknown, by the reporter, on 8 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 24 hours prior to FL, environment treated with Butox, outdoor access. It is unknown if FRONTLINE was applied to the pet in the past. 4 other dogs of the same household that are also on FL were reported on 18BR002207, 18BR002208, 18BR002210 and 18BR002211. No further information is availalbe. UPDATE 14 MAR 2018 - The owner reported that Bravecto was given to her dog and she discovered dead fleas after that. She still believes that FL did not work. No further information is available.
13-Mar-2018	UAE; 18BR002210; MG; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	08-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a 6-year-old (approximately), near 9 kg, female Poodle, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, location unknown, by the reporter, on 8 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 24 hours prior to FL, environment treated with Butox, outdoor access. It is unknown if FRONTLINE was applied to the pet in the past. 4 other dogs of the same household that are also on FL were reported on 18BR002207, 18BR002208, 18BR002209 and 18BR002211. No further information is availalbe. UPDATE 14 MAR 2018 - The owner reported that Bravecto was given to her dog and she discovered dead fleas after that. She still believes that FL did not work. No further information is available.
13-Mar-2018	UAE; 18BR002211; MG; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 6 kg*	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	08-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Romel, a 5-year-old, 6 kg approximately, male Dachshund, was treated with FRONTLINE SPRAY (FL) (001/17, exp unknown), topic, location unknown, by the reporter, on 8 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 24 hours prior to FL, environment treated with Butox, outdoor access. It is unknown if FRONTLINE was applied to the pet in the past. 4 other dogs of the same household that are also on FL were reported on 18BR002207, 18BR002208, 18BR002209 and 18BR002210. No further information is availalbe. UPDATE 14 MAR 2018 - The owner reported that Bravecto was given to her dog and she discovered dead fleas after that. She still believes that FL did not work. No further information is available.

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06-Mar-2018	UAE; 18BR002213; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	23-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 2 cats of unknown signalment were treated with FRONTLINE, by the reporter, for flea treatment. Lack of efficacy suspected because the cats continued to have fleas. The pet owner was contacted and she reported that Thomas, a 6-year-old, 6 kg, male mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, neck, on 22 Feb 2018. Flea infestation 10 days prior to FL, environment treated with K-Othrine. FRONTLINE has been applied every 30-45 days to the cat with no issues (first application on date not specified – 1 Jan 2017 chosen at random). The other cat was reported on 18BR002018. One dog of the same household that is also on FRONTLINE was reported on 18BR002019. There is no further information expected. UPDATE 20 MAR 2018 - Another company's product (details not provided) was applied to the cat, and no more fleas have been seen since then. Because of that, the owner still believes that FRONTLINE does not work as well as it used to. No further information is available.
09-Mar-2018	UAE; 18BR002220; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Nov-2017*	10-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Petra, a female mixed breed cat of 5 years old and unknown weight, was treated with FRONTLINE SPRAY x 250 mL (FL) (lot and exp date are unknown, topical, whole body), applied by the reporter on 1 Jan 2018 (estimated date). Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with Butox® every 15 days. FL is applied weekly since 1 Nov 2017 (estimated date). An unknown tablet of another company was administered and the animals has no ectoparasites. The other cat was reported on 18BR002138. No further information is expected.
13-Mar-2018	UAE; 18BR002221; RS; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 38 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Sultão, 03 years old, 38 kilogram, canine, male, Mixed Breed, received 1 pipette of FRONTLINE PLUS DOG L (FL)(lot and exp date unknown, topically , between the shoulder blades), applied by the owner on 27 Dec 2017, for flea treatment. The owner complained about the lack of efficacy, because his pet remained with fleas. According to the owner, his pet already had fleas 15 days prior to treatment. The environment has not been treated. There is no further information available.
14-Mar-2018	UAE; 18BR002222; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018	13 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Meg, 03 years old, 15 kilogram, canine, female, Mixed Breed, received 1 pipette of FRONTLINE PLUS DOG M (FL)(lot 019/17 and exp date unknown, topically , between the shoulder blades), applied by the owner on 01 Mar 2018, for flea treatment. The owner complained about the lack of efficacy, because his pet remained with fleas . According to the owner, his pet already had fleas 15 days prior to treatment. The environment has not been treated. There is no further information available.

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12-Mar-2018	UAE; 18BR002224; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	02-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, more than one cat of unknown signalment were treated with FRONTLINE PLUS CATS (FL) (lot and exp unknown), one vial per cat, by the reporter, on 1 Mar 2018, for flea treatment. Lack of efficacy suspected because the cats continued to have fleas . Environment treated. This is the extent of the information available for now.
14-Mar-2018	UAE; 18BR002225; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	05-Mar-2018*	14-Mar-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Lili, 2 months old, 2 kilogram, canine, female, Shih Tzu, received 1 dose of FRONTLINE SPRAY100 mL (FL)(lot 001/17 and exp date DEC 2018, topically , between the shoulder blades), applied by the owner on 05 Mar 2018, for flea treatment. The owner complained about the lack of efficacy, because his pet remained with fleas . According to the owner, her pet already had fleas 1 day prior to treatment. The environment has not been treated. There is no further information available.
12-Mar-2018	UAE; 18BR002229; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 3.4 kg	3	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	11-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, one female Persian cat was treated with FRONTLINE, however the owner discovered 2 fleas on her cat 48 hours post product application. UPDATE 13 MAR 2018 – The pet owner was contacted and she reported that Sophie, 13 years old, 3.4 kg, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 10 Mar 2018, for flea treatment. Flea infestation one day prior to FL, environment treated, outdoor access denied. It is unknown if FRONTLINE was applied to the cat in the past. 2 other pets of the same household that are also on FRONTLINE are not infested by fleas and/or ticks. There is no further information expected.
13-Mar-2018	UAE; 18BR002231; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bia, a 14-year-old, 2 kg, female mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (011/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 9 Mar 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 20 days prior to FL, environment treated with K-Othrine. It is unknown if FRONTLINE was applied to the cat in the past. One other cat of the same household that is also on FL was reported on 18BR002232. No further information is available.
13-Mar-2018	UAE; 18BR002232; SP; Brazil	**Species:** Feline **Breed:** Feline	1	1	0	**Product used:** FIPRONIL SPOT ON CAT	N/A	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Babe, a 10-year-old, 2 kg, female mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (011/17, exp

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		mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 2 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 9 Mar 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 20 days prior to FL, environment treated with K-Othrine. It is unknown if FRONTLINE was applied to the cat in the past. One other cat of the same household that is also on FL was reported on 18BR002231. No further information is available.
13-Mar-2018	UAE; 18BR002238; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Expired)	N/A	13-Mar-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one female dog of unknown signalment, received FRONTLINE PLUS DOG XL (FL) (route and location are unknown, off label - product - expired), applied by the reporter on date not specified (1 Mar 2018 - chosen at random). The owner mentioned that the vial contained FA-'something'/15 printed. So, the expiry date is 2017. Lack of efficacy is suspected because the pet remains with fleas. In addition, the pet is scratching itself (due to fleas). PQC reported on 18BR002111. This is the extent of the information available.
14-Mar-2018	UAE; 18BR002239; PE; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lua, a female Maltese of 7 months old and around 4 kg, received one vial of FRONTLINE PLUS DOG S (FL) (014/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 11 Mar 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrounding environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
13-Mar-2018	UAE; 18BR002248; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	13-Mar-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, an unknown number of cats received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Mar 2018 – chosen at random). The owner believes that FL does not work (details are unknown). This is the extent of the information available.
14-Mar-2018	UAE; 18BR002250; RJ; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	22-Feb-2018	14-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Beck, a female large crossbred dog of 3 years old and 20 kg, received, for the first time, one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 20 days ago (22 Feb 2018 – estimated date), for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The environment has not been treated. No further information is expected.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
14-Mar-2018	UAE; 18BR002252; RJ; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 25.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Pipoca, a male large crossbred dog of 12 years old and 25.8 kg, received one vial of FRONTLINE PLUS DOG L (006/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 9 Mar 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrouding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002253 and 18BR002254. No further information is expected.
14-Mar-2018	UAE; 18BR002253; RJ; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bob, a male small crossbred dog of 14 years old and 5 kg, received one vial of FRONTLINE PLUS DOG S (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 9 Mar 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrouding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002252 and 18BR002254. No further information is expected.
14-Mar-2018	UAE; 18BR002254; RJ; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 16.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female meidum crossbred dog of 7 years old and 16.2 kg, received one vial of FRONTLINE PLUS DOG M (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 9 Mar 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. The surrouding environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002252 and 18BR002253. No further information is expected.
13-Mar-2018	UAE; 18BR002256; PR; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	13-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the owner, Woody, 5 years old, 3.5 kilogram, canine, male, Yorkshire, received 1 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot 016/16 and exp date NOV 2018, topically, between the shoulder blades), applied by owner on 13 Mar 2018, for unknown reason. According to the owner, between 5 to 10 minutes after, the animal start to run like the application site was scratching. The animal recovered after 10 minutes. There is another dog in the same household who had a similar problem (see case 18BR002257). There is also a cat that receives FRONTLINE but does not present any symptom. No further information is available.
13-Mar-2018	UAE; 18BR002257; PR; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier	1	1	0	**Product used:** FIPRONIL SPOT ON DOG	N/A	13-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the owner, Babaloo, 2 years old, 1.7 kilogram, canine, female, Yorkshire, received 1 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot 016/16 and

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		Sex: M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 1.7 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					exp date NOV 2018, topically, between the shoulder blades), applied by owner on 13 Mar 2018, for unknown reason. According to the owner, between 5 to 10 minutes after, the animal start to run like the application site was scratching. The animal recovered after 10 minutes. There is another dog in the same household who had a similar problem (see case 18BR002256). There is also a cat that receives FRONTLINE but does not present any symptom. No further information is available.
14-Mar-2018	UAE; 18BR002258; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Megui, 15 years old, 5 kilogram, feline, female, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 015/17 and exp date unknown, topically, between the shoulder blades), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. There are another 07 cats in the same household with similar problem (see cases 18BR002259 to 18BR002265). The environment has been treated with an unknown powder. No further information is available.
14-Mar-2018	UAE; 18BR002259; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Leide, 5 years old, 5 kilogram, feline, female, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 015/17 and exp date unknown, topically, between the shoulder blades), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. There are another 07 cats in the same household with similar problem (see cases 18BR002258 and 18BR002260 to 18BR002265). The environment has been treated with an unknown powder. No further information is available.
14-Mar-2018	UAE; 18BR002260; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Pandi, 15 years old, 4 kilogram, feline, female, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 015/17 and exp date unknown, topically, between the shoulder blades), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. There are another 07 cats in the same household with similar problem (see cases 18BR002258, 18BR002259 and 18BR002261 to 18BR002265). The environment has been treated with an unknown powder. No further information is available.
14-Mar-2018	UAE; 18BR002261; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Wendi, 2 years old, 3 kilogram, feline, female, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 015/17 and exp date unknown, topically, between the shoulder blades), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. There are another 07 cats in the same household with similar problem (see cases 18BR002258 to 18BR002260 and 18BR002262 to 18BR002265). The environment has been treated

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											with an unknown powder. No further information is available.
14-Mar-2018	UAE; 18BR002262; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Feni, 4 years old, 3 kilogram, feline, female, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 015/17 and exp date unknown, topically, between the shoulder blades), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. There are another 07 cats in the same household with similar problem (see cases 18BR002258 to 18BR002261 and 18BR002263 to 18BR002265). The environment has been treated with an unknown powder. No further information is available.
14-Mar-2018	UAE; 18BR002263; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 0.6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Feb-2018*	14-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Vivi, 2 months old, 0.6 kilogram, feline, female, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 015/17 and exp date unknown, topically, between the shoulder blades), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. There are another 07 cats in the same household with similar problem (see cases 18BR002258 to 18BR002262, 18BR002264 and 18BR002265). The environment has been treated with an unknown powder. No further information is available.
14-Mar-2018	UAE; 18BR002264; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Toi, 9 years old, 7 kilogram, feline, male, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 015/17 and exp date unknown, topically, between the shoulder blades), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. There are another 07 cats in the same household with similar problem (see cases 18BR002258 to 18BR002263 and 18BR002265). The environment has been treated with an unknown powder. No further information is available.
14-Mar-2018	UAE; 18BR002265; RS; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Vigui, 9 years old, 7 kilogram, feline, female, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot 015/17 and exp date unknown, topically, between the shoulder blades), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. There are another 07 cats in the same household with similar problem (see cases 18BR002258 to 18BR002264). The environment has been treated with an unknown powder. No further information is available.
14-Mar-2018	UAE; 18BR002267; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON	N/A	14-Mar-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Brenda, 8 years old, 2 kilogram, canine, female, Yorkshire, received 1 pipette of FRONTLINE PLUS DOG® (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 04 Mar 2018, for flea treatment. The owner

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		Unknown **Age:** 8.00 Year(s) **Weight:** 2 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. The environmental conditions are unknown. No further information is available. UPDATE 15 MAR 2018 - The pet was treated with one vial of FL PLUS DOG S and it is unknown if the product has previously been applied. The environment has not been treated. No further information is expected.
14-Mar-2018	UAE; 18BR002269; RS; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 45 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	N/A	14-Mar-2018*	5 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Luky, 9 years old, 45 kilogram, canine, male, Rottweiler, received 1 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 01 Feb 2018, for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas since the year began. There are another 02 dogs in the same household with similar problem (see cases 18BR002270 to 18BR002271). The environment has been treated but the owner could not remember the products name. The dog does not go out for walks. No further information is available.
14-Mar-2018	UAE; 18BR002270; RS; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 28 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	5 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Greta, 7 years old, 28 kilogram, canine, female, Rottweiler, received 1 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 01 Feb 2018, for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas since the year began. There are another 02 dogs in the same household with similar problem (see cases 18BR002269 to 18BR002271). The environment has been treated but the owner could not remember the products name. The dog does not go out for walks. No further information is available.
14-Mar-2018	UAE; 18BR002271; RS; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 40 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	5 Week(s) 6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Rany, 2 years old, 40 kilogram, canine, female, Rottweiler, received 1 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 01 Feb 2018, for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas since January. There are another 02 dogs in the same household with similar problem (see cases 18BR002269 to 18BR002270). The environment has been treated but the owner could not remember the products name. The dog does not go out for walks. No further information is available.
15-Mar-2018	UAE; 18BR002274; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical /	N/A	15-Mar-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Pretinho, 6 years old, 10 kilogram, canine, male, Mixed Breed, received 1 dose of FRONTLINE SPRAY 100 mL (FL) (lot and exp date unknown, topically, in the whole body), applied by the owner on 24 Feb 2018, for tick treatment. The owner complained about the lack of efficacy because her pet remained with ticks. According to the owner, the animal already had ticks 1 day prior to

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		Age: 6.00 Year(s) **Weight:** 10 kg				Cutaneous **Was the product used ok?:** Yes					treatment. The environment has been treated with K-OTHRINE® and BUTOX®. No further information is available.
14-Mar-2018	UAE; 18BR002275; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	14-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, one female Shih Tzu of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on 10 Mar 2018, for tick treatment. Lack of efficacy is suspected because the pet remains with ticks. This is the extent of the information available.
15-Mar-2018	UAE; 18BR002277; PR; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Ted, a male Shih Tzu of 7 months old and 4.5 kg, was treated with one vial of FRONTLINE PLUS DOG S (FL) (018/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 8 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
15-Mar-2018	UAE; 18BR002282; MG; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 5 - 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Amora, 6 months old, 5 to 6 kilogram, canine, female, Basset, received 1 pipette of FRONTLINE PLUS DOG S (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 28 Feb 2018, for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. According to the owner, the animal already had fleas 1 week prior to treatment. The environment has not been treated. No further information is available.
13-Mar-2018	UAE; 18BR002287; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	29-Jan-2018*	08-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, her cat was treated with one vial of FRONTLINE PLUS CATS (FL), according to the product label, by the reporter, for flea prevention. Lack of efficacy suspected because the cat is currently infested by fleas. One dog of the same household that is on FRONTLINE was reported on 18BR002286. UPDATE 15 MAR 2018 – The pet owner was contacted and she reported that Lua, a 3-year-old, 4.5 kg, female mixed breeds cat, was treated with FL topic, base of skull and btw the shoulder blades, by the reporter, 45 days and 15 days ago (29 Jan 2018 and 28 Feb 2018 presumed), for flea prevention. Outdoor access, environment not treated (last treatment on Dec 2017, with Butox).

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						ok?: Yes					No further information is available.
15-Mar-2018	UAE; 18BR002288; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018*	15-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Sofia, 10 years old, 7 kilogram, canine, female, Mixed Breed, received 1 dose of FRONTLINE SPRAY 250 mL (FL) (lot 009/16 and exp date unknown, topically, spray over the animal), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. The environment has been treated with K-OTHRINE®. There is also another dog in the same household with similar problem (see case 18BR002289). No further information is available. UPDATE 19 MAR 2018 - According to the owner, FL was applied again last week (12 Mar 2018 - estimated date). The product was applied on the whole animal's body. FL has been applied weekly for 2 months. In addition, the owner also complained that her dog is scratching herself due to fleas. No further information is expected.
15-Mar-2018	UAE; 18BR002289; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018*	15-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner, Goran, 5 months old, 2.5 kilogram, canine, male, Mixed Breed, received 1 dose of FRONTLINE SPRAY 250 mL (FL) (lot 009/16 and exp date unknown, topically, spray over the animal), applied by the owner 15 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because her pet remained with fleas. The environment has been treated with K-OTHRINE®. There is also another dog in the same household with similar problem (see case 18BR002288). No further information is available. UPDATE 19 MAR 2018 - According to the owner, FL was applied again last week (12 Mar 2018 - estimated date). The product was applied on the whole animal's body. FL has been applied weekly for 2 months. In addition, the owner also complained that her dog is scratching herself due to fleas. No further information is expected.
14-Mar-2018	UAE; 18BR002295; SP; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 16 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	08-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one female dog of 16 kg of unknown signalment, received one vial of FRONTLINE PLUS DOG M (FL) (lot, exp date, route and location are unknown), applied by the reporter on 7 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Another case was reported on 18BR002296. This is the extent of the information available. UPDATE 20 MAR 2018 – The pet owner was contacted and she reported that Bianca, a 9-year-old, crossbred Pitbull, was treated with FL topic, base of skull and btw the shoulder blades. Flea infestation prior to FL because the owner rescued a kitty infested by fleas. Bianca is still infested by fleas. Advocate was applied to the dog recently (date not specified) and, according to the owner, the product is working. Environment treated with Pulgoff and My Pet. FRONTLINE has been applied every 40-60 days with no issues (first application on date not specified - 1 Jan 2017 chosen at random). 3 cats of the same household that are also on FRONTLINE were reported on 18BR002296, 18BR002410 and 18BR002411. No further information is available.
14-Mar-2018	UAE; 18BR002296; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various	1	1	0	**Product used:** FIPRONIL 10%/S	01-Jan-2017*	08-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 3 cats of unknown signalment, received one vial of FRONTLINE PLUS CATS (FL) (lot, exp date, route and location

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 6 kg				METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					are unknown), applied by the reporter on date not specified (8 Feb 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Another case was reported on 18BR002295. This is the extent of the information available. UPDATE 20 MAR 2018 – The pet owner was contacted and she reported that Duti, an 18-month-old, 6 kg, male mixed breeds cat, was treated with FL topic, base of skull and btw the shoulder blades, on 7 Feb 2018. Flea infestation prior to FL because the owner rescued a kitty infested by fleas. Duti is still infested by fleas. Advocate was applied to the cat recently (date not specified) and, according to the owner, the product is working. Environment treated with Pulgoff and My Pet. FRONTLINE has been applied every 40-60 days with no issues (first application on date not specified - 1 Jan 2017 chosen at random). 3 other pets of the same household that are also on FRONTLINE were reported on 18BR002295, 18BR002410 and 18BR002411. No further information is available.
14-Mar-2018	UAE; 18BR002298; SP; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 11 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	15-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Said, a male Dachshund of 5 years old and 11 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (012/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 11 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002299 and 18BR002300. No further information is expected. UPDATE 23 MAR 2018 – The owner reported that her dog continued to have fleas and scratching. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). There is no further information available.
14-Mar-2018	UAE; 18BR002299; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 14 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	15-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Wolverine, a male medium crossbred dog of 7 years old and 14 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (012/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 11 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002298 and 18BR002300. No further information is expected. UPDATE 23 MAR 2018 – The owner reported that her dog continued to have fleas and scratching. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). There is no further information available.
14-Mar-2018	UAE; 18BR002300; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	01-Jan-2017*	14-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Logan, a male medium crossbred dog of 10 years old and 14 kg, received one vial of FRONTLINE SPOT-ON DOG M (FL) (012/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter on 11 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002298 and 18BR002299. No further information is

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Weight: 14 kg				**product used ok?:** Yes					expected. UPDATE 23 MAR 2018 – The owner reported that her dog continued to have fleas and scratching. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). There is no further information available.
15-Mar-2018	UAE; 18BR002301; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 4.2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** -	01-Jan-2017*	15-Mar-2018	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Wit, a male Pinscher of 13 years old and 4.2 kg, was treated with FRONTLINE SPRAY (FL) (003/17, unknown exp date, topical, parts of the body - incorrect application), applied by the reporter today (15 Mar 2018), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated. FL was also applied 15 days ago (28 Feb 2018 - estimated date), but the first application is unknown (1 Jan 2017 - chosen at random). There is another dog in this household with the same issue (See case 18BR002302). No further information is expected.
15-Mar-2018	UAE; 18BR002302; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 2.8 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** -	01-Jan-2017*	15-Mar-2018	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a female Pinscher of 9 years old and 2.8 kg, was treated with FRONTLINE SPRAY (FL) (003/17, unknown exp date, topical, parts of the body - incorrect application), applied by the reporter today (15 Mar 2018), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated. FL was also applied 15 days ago (28 Feb 2018 - estimated date), but the first application is unknown (1 Jan 2017 - chosen at random). There is another dog in this household with the same issue (See case 18BR002301). No further information is expected.
15-Mar-2018	UAE; 18BR002306; SP; Brazil	**Species:** Feline **Breed:** Birman **Sex:** F **Sex qualifier:** Unknown **Age:** 20.00 Month(s) **Weight:** 2.8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Mar-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Laura, 20 months old, 2.8 kilogram, feline, female, Birman, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and exp date, topically, between the shoulder blades), applied by owner 10 days ago (5 Mar 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because his pet remained with many fleas. According to the owner, animal already had fleas 1 day prior to treatment. The environment has been treated with BUTOX®. The owner applied FL in his 9 cats but 2 of them remained with fleas. There is another cat in the same household with similar problem (see case 18BR002307). No further information is available. UPDATE 19 Mar 2018 – the client made a new complaint through social media. He add that he also have 2 canine, Pug, who were treated with a different product and don´t have any issues regarding lack of efficacy. The client also said that he applied FL in his 9 cats with no results at all (see case 18BR002341). No further information is available.
15-Mar-2018	UAE; 18BR002307; SP; Brazil	**Species:** Feline **Breed:** Birman **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 2.8 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Mar-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Lutero, unknown age, 2.8 kilogram, feline, male, Birman, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and exp date, topically, between the shoulder blades), applied by owner 10 days ago (5 Mar 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because his pet remained with many fleas. According to the owner, animal already had fleas 1 day prior to treatment. The environment has been treated with BUTOX®. The owner applied FL in his 9 cats but 2 of them remained with fleas. There is another cat in the same household with similar problem (see case 18BR002306). No

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											further information is available. UPDATE 19 Mar 2018 – the client made a new complaint through social media. He add that he also have 2 canine, Pug, who were treated with a different product and don´t have any issues regarding lack of efficacy. The client also said that he applied FL in his 9 cats with no results at all (see case 18BR002341). No further information is available.
16-Mar-2018	UAE; 18BR002316; PR; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	15-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Mili, a 5.5 kg (approximately), female dog (other signalment unknown), was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018), 'according to the product instructions ' (topic, whole body), by the reporter, for the first time, on date not specified (1 Mar 2018 chosen at random), for flea prevention. Lack of efficacy suspected because fleas were discovered on the pet yesterday (15 Mar 2018). FRONTLINE PLUS DOGS was applied to the pet in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jul 2017 chosen at random). 2 cats of the same household that are also on FL were reported on 18BR002317 and 18BR002318. This is the extent of the information available for now. UPDATE 16 MAR 2018 – The pet owner was contacted and she reported that Mili, a 3-year-old Shih Tzu, was treated with FL 15 days ago approximately (presumed 1 Mar 2018). Environment not treated, FRONTLINE application every 2 months. No further information is available.
16-Mar-2018	UAE; 18BR002317; PR; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 3 kg*	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	15-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Gorduchinho, a 3 kg (approximately), male cat (other signalment unknown), was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018), 'according to the product instructions ' (topic, whole body), by the reporter, for the first time, on date not specified (1 Mar 2018 chosen at random), for flea prevention. Lack of efficacy suspected, however it is unknown what happened. FRONTLINE PLUS CATS was applied to the pet in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jul 2017 chosen at random). 2 other pets of the same household that are also on FL were reported on 18BR002316 and 18BR002318. This is the extent of the information available for now. UPDATE 16 MAR 2018 – The pet owner was contacted and she reported that Gorduchinho, an 18-month-old Persian, was treated with FL 15 days ago approximately (presumed 1 Mar 2018). Environment not treated, FRONTLINE application every 2 months. No further information is available.
16-Mar-2018	UAE; 18BR002318; PR; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg*	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	15-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Magoo, a 4 kg (approximately), male cat (other signalment unknown), was treated with FRONTLINE SPRAY (FL) (017/16, Nov 2018), 'according to the product instructions ' (topic, whole body), by the reporter, for the first time, on date not specified (1 Mar 2018 chosen at random), for flea prevention. Lack of efficacy suspected, however it is unknown what happened. FRONTLINE PLUS CATS was applied to the pet in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jul 2017 chosen at random). 2 other pets of the same household that are also on FL were reported on 18BR002316 and 18BR002317. This is the extent of the information available for now. UPDATE 16 MAR 2018 – The pet owner was contacted and she reported that Magoo, a 3-year-old Persian, was treated with FL 15 days ago approximately

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											(presumed 1 Mar 2018). Environment not treated, FRONTLINE application every 2 months. No further information is available.
15-Mar-2018	UAE; 18BR002323; SP; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** F **Sex qualifier:** Pregnant **Age:** 4.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, 4 dogs of unknown signalment were treated with one vial (each one) of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), by the reporter, on date not specified (1 Mar 2018 chosen at random), for tick treatment. The owner believes that FL is not working as well as it used to because the dogs continued to have ticks. FRONTLINE was used in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). This is the extent of the information available for now. UPDATE 20 MAR 2018 - The pet owner was contacted and reported that Leona, an intact pregnant female Chow Chow of 4 years old and 25 kg received one vial of FL, topical, btw the shoulder blades, around 25 Feb 2018 (estimated date), for tick control. The pet had no ticks prior to FL. FL has been applied every 3 months. The environment has been treated with Butox® every week. Similar cases were reported on 18BR002415, 18BR002416 and 18BR002417. Human exposure was also reported on 18BR002418. No further information is expected. UPDATE 12 APR 2018 - The pet owner was contacted and reported that applied IVOMEC and now the pet is free of ticks. No further information is known.
16-Mar-2018	UAE; 18BR002325; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	23-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female dog of unknown signalment was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), by the reporter, on 9 Mar 2018. The owner believes that FRONTLINE is not working as well as it used to because she discovered fleas on her dog 3 days post product application. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). Similar case reported on 18BR002326. This is the extent of the information available for now. UPDATE 20 MAR 2018 – The pet owner was contacted and reported that Princesa is a 4-year-old, 6 kg, Shih Tzu. FL was applied near 22 Feb 2018 (by the reporter's mother, details unknown), for flea treatment (flea infestation 2 days prior to FL). As the product did not work, another vial of FL was applied to Princesa on 9 Mar 2018, topic, base of skull and btw the shoulder blades, by the reporter. Princesa is still infested by fleas and scratching. Outdoor acces denied, environment not treated. No further information is available.
16-Mar-2018	UAE; 18BR002326; SP; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, more than one dog of unknown signalment were treated with FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), by the reporter, on 9 Mar 2018. The owner believes that FRONTLINE is not working as well as it used to, however it is unknown what happened. Similar case reported on 18BR002325. This is the extent of the information available for now.
16-Mar-2018	UAE; 18BR002329;	**Species:** Canine **Breed:** Lhasa	1	1	0	**Product used:** FIPRONIL	05-Feb-2011*	16-Mar-2018*	5 Week(s) 4 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Tico, 8 years old, 6 kilogram, canine, male, Lhasa Apso, received 1

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	MG; Brazil	Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 6 kg				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)					pipette of FRONTLINE PLUS DOG L (FL) (lot and exp date, topically, between the shoulder blades), applied by owner on february (5 Feb 2018 – estimated date), for tick treatment. The owner complained about the lack of efficacy of FL because his pet remained with ticks. According to the owner, FL has been applied in december without effect. The owner said that he had used FL for 10 years in his pets and applied every 3 months without issues until now. The environment has not been treated. There are another 2 dogs in the same household with similar problem (see cases 18BR002330 and 18BR002331). No further information is available.
16-Mar-2018	UAE; 18BR002330; MG; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	05-Feb-2011*	16-Mar-2018*	5 Week(s) 4 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Binho, 8 years old, 6 kilogram, canine, male, Lhasa Apso, received 1 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp date, topically, between the shoulder blades), applied by owner on february (5 Feb 2018 – estimated date), for tick treatment. The owner complained about the lack of efficacy of FL because his pet remained with ticks. According to the owner, FL has been applied in december without effect. The owner said that he had used FL for 10 years in his pets and applied every 3 months without issues until now. The environment has not been treated. There are another 2 dogs in the same household with similar problem (see cases 18BR002329 and 18BR002331). No further information is available.
16-Mar-2018	UAE; 18BR002331; MG; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	05-Feb-2008*	16-Mar-2018*	5 Week(s) 4 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Sandy, 11 years old, 6 kilogram, canine, female, Lhasa Apso, received 1 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp date, topically, between the shoulder blades), applied by owner on february (5 Feb 2018 – estimated date), for tick treatment. The owner complained about the lack of efficacy of FL because his pet remained with ticks. According to the owner, FL has been applied in december without effect. The owner said that he had used FL for 10 years in his pets and applied every 3 months without issues until now. The environment has not been treated. There are another 2 dogs in the same household with similar problem (see cases 18BR002329 and 18BR002330). No further information is available.
16-Mar-2018	UAE; 18BR002336; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes	N/A	15-Jan-2015*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Teddy, a male large crossbred dog of 8 years old and 20 kg, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2015), for flea/tick control. Lack of efficacy is suspected because the pet is scratching itself . In addition, the pet has flea allergic dermatitis. No fleas were reported. Similar cases were reported on 18BR002337 and 18BR002338. The owner also complained about the lack of efficacy of NEXGARD (see cases 18BR002333, 18BR002334 and 18BR002335). This is the extent of the information available.
16-Mar-2018	UAE; 18BR002337; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20	1	1	0	**Product used:** FIPRONIL 10%/S	N/A	15-Jan-2018*	3 Year(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Thor, a male large crossbred dog of 3 years old and 20 kg, received FRONTLINE (FL) (unsubstantiated) (lot, exp

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 20 kg				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2015), for flea/tick control. Lack of efficacy is suspected because the pet is scratching itself . No fleas were reported. Similar cases were reported on 18BR002336 and 18BR002338. The owner also complained about the lack of efficacy of NEXGARD (see cases 18BR002333, 18BR002334 and 18BR002335). This is the extent of the information available.
16-Mar-2018	UAE; 18BR002338; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Jul-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Will, a male small crossbred dog of approximately 1 year old and 10 kg, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Jan 2015), for flea/tick control. Lack of efficacy is suspected because the pet is scratching itself. No fleas were reported. Similar cases were reported on 18BR002336 and 18BR002337. The owner also complained about the lack of efficacy of NEXGARD (see cases 18BR002333, 18BR002334 and 18BR002335). This is the extent of the information available.
15-Mar-2018	UAE; 18BR002341; SP; Brazil	**Species:** Feline **Breed:** Birman **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	7	7	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Mar-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, 9 cats, 7 of them unidentified, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and exp date, topically, between the shoulder blades), applied by owner on an estimated date (5 Mar 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because his pets remained with many fleas. Initially the owner reported lack of efficacy in only 2 of his 9 cats but on a recent report, he claimed that FL didn´t work at all. For the 2 identified and differentiated cats, see cases 18BR002306 and 18BR002307. The owner also have 2 dogs, Pug, that were treated with a different product and does not present issues. No further information is available.
19-Mar-2018	UAE; 18BR002343; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 14.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lorena, a 10-year-old, 14.5 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 4 Mar 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 2 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. 3 other dogs of the same household that are also on FL were reported on 18BR002344, 18BR002345 and 18BR002346. No further information is available.
19-Mar-2018	UAE; 18BR002344; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other	N/A	05-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Xuxa, a 10-year-old, 14 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 4 Mar 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 2 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 10.00 Year(s) **Weight:** 14 kg				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					to the dog in the past. 3 other dogs of the same household that are also on FL were reported on 18BR002343, 18BR002345 and 18BR002346. No further information is available.
19-Mar-2018	UAE; 18BR002345; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 19 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bily a 10-year-old, 19 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 4 Mar 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 2 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. 3 other dogs of the same household that are also on FL were reported on 18BR002343, 18BR002344 and 18BR002346. No further information is available.
19-Mar-2018	UAE; 18BR002346; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 19.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nero, a 10-year-old, 19.5 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 4 Mar 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation 2 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. 3 other dogs of the same household that are also on FL were reported on 18BR002343, 18BR002344 and 18BR002345. No further information is available.
19-Mar-2018	UAE; 18BR002347; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	16-Feb-2013*	19-Mar-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Mel, 5 years old, unknown weight, feline, female, Mixed Breed, received 1 dose of FRONTLINE PLUS CATS (FL)(lot 001/17 and exp date DEC 2018, topically , between the shoulder blades), applied by the owner on 16 Feb 2018, for flea treatment. The owner complained about the lack of efficacy, because her pet continued with fleas . According to the owner, her pet already had fleas 1 week prior to treatment. The environment has not been treated. There is also another cat in the same household with similar problem (see case 18BR002348). The owner said that she has used FL for 5 years and that was the first time she had a problem. There is no further information available.
19-Mar-2018	UAE; 18BR002348; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	16-Feb-2013*	19-Mar-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Marry, 5 years old, 2.5 kilogram, feline, female, Mixed Breed, received 1 dose of FRONTLINE PLUS CATS (FL)(lot 001/17 and exp date DEC 2018, topically , between the shoulder blades), applied by the owner on 16 Feb 2018, for flea treatment. The owner complained about the lack of efficacy, because her pet continued with fleas. According to the owner, her pet already had fleas 1 week prior to treatment. The environment has not been treated. There is also another cat in the same household with similar problem (see case 18BR002347). The owner said that she

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						Was the product used ok?: Yes					has used FL for 5 years and that was the first time she had a problem. There is no further information available.
17-Mar-2018	UAE; 18BR002350; PR; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2016*	01-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, more than one dog of unknown signalment were treated with FRONTLINE (unsubstantiated) (lot and exp unknown), by the reporter, on date not specified (1 Mar 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dogs continued to have fleas. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2016 chsoen at random). This is the extent of the information available for now.
18-Mar-2018	UAE; 18BR002351; SP; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	18-Mar-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Tomilho, a male Siamese of 2 years old and 7 kg, received one vial of FRONTLINE SPOT-ON CATS (FL) (015/17, Jan 2019, topical, btw the shoulde blades), applied by the reporter three weeks ago (25 Feb 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the cat remains with fleas. FL has been applied every 6 months (first application was not specified - 1 Jan 2017 - chosen at random). The environment has been treated with Kit Lar®. There is another cat in this household with the same issue (see case 18BR002371). This is the extent of the information available.
19-Mar-2018	UAE; 18BR002354; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.50 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	19-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tedy, a male Poodle of 2.5 years old and 6 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 13 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product. FL was applied in the past with no issue (dose frequency is unknown and first application was not specified - 1 Jan 2017 - chosen at random). No further information is expected.
17-Mar-2018	UAE; 18BR002355; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 17.00 Month(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	17-Mar-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Filó, a female mixed breed cat of 17 months old and approximately 4.5 kg, received one vial of FRONTLINE PLUS CATS (FL) (007/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 2 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and FL was applied in the past with no issue (dose frequency is unknown and the first application was not specified – 1 Jan 2017 – chosen at random). There is another cat in this household with the same issue (See case 18BR002399). No further information is expected.
16-Mar-2018	UAE;	**Species:** Canine	1	1	0	**Product used:**	N/A	16-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner

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	18BR002363; -; Brazil	**Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					via social media, one dog of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Mar 2018 - chosen at random). The owner believes that FL is not working. No ectoparasites were reported. This is the extent of the information available.
16-Mar-2018	UAE; 18BR002364; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	16-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female cat of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Mar 2018 - chosen at random). The owner believes that FL did not work. No ectoparasites were reported. This is the extent of the information available.
16-Mar-2018	UAE; 18BR002365; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	16-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female cat of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Mar 2018 - chosen at random). Lack of efficacy is suspected because the pet remains with fleas. This is the extent of the information available.
19-Mar-2018	UAE; 18BR002368; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	19-Mar-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Poli, 13 years old, 4 kilogram, canine, female, Poodle, received 1 pipette of FRONTLINE SPOT-ON DOGS S (FL)(lot, exp date, route and site of application, unknown), applied by the owner 20 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy, because his animal continues to have fleas. According to the owner, his pet already had fleas 1 month prior to treatment. The environment has been treated with BUTOX®. There is also another dog and another cat in the same household with similar problem (see cases 18BR002369 and 18BR002370). There is no further information available.
19-Mar-2018	UAE; 18BR002369; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other	N/A	19-Mar-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Sol, 13 years old, 4 kilogram, canine, female, Poodle, received 1 pipette of FRONTLINE SPOT-ON DOGS S (FL)(lot, exp date, route and site of application, unknown), applied by the owner 20 days ago (28 Feb 2018 – estimated date), for flea treatment. The

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		Unknown **Age:** 13.00 Year(s) **Weight:** 4 kg				products **Route:** unknown **Was the product used ok?:** Unknown to Company					owner complained about the lack of efficacy, because his animal continues to have fleas. According to the owner, his pet already had fleas 1 month prior to treatment. The environment has been treated with BUTOX®. There is also another dog and another cat in the same household with similar problem (see cases 18BR002368 and 18BR002370). There is no further information available.
19-Mar-2018	UAE; 18BR002370; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	19-Mar-2018*	19 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Atena, 2 years old,1.5 kilogram, feline, female, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL)(lot, exp date, route and site of application, unknown), applied by the owner 20 days ago (28 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy, because his animal continues to have fleas. According to the owner, his pet already had fleas 1 month prior to treatment. The environment has been treated with BUTOX®. There are also another 2 dogs in the same household with similar problem (see cases 18BR002368 and 18BR002369). There is no further information available.
18-Mar-2018	UAE; 18BR002371; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	18-Mar-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Amora, a female mixed breed cat of 1 year old and 4 kg, received one vial of FRONTLINE SPOT-ON CATS (FL) (015/17, Jan 2019, topical, btw the shoulder blades), applied by the reporter three weeks ago (25 Feb 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the cat remains with fleas. FL has been applied every 6 months (1 Jul 2017 - chosen at random). The environment has been treated with Kit Lar®. There is another cat in this household with the same issue (see case 18BR002351). No further information is expected.
19-Mar-2018	UAE; 18BR002372; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Layon, a male Poodle of 4 years old and 6 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter 20 days ago (27 Feb 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The environment has been treated with deltamethrin every two days. It is unknown if FL has previously been applied . No further information is expected.
19-Mar-2018	UAE; 18BR002373; PR; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	19-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bobi, a male large crossbred dog of 9 years old and 30 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (019/16 and unknown exp date, topical, btw the shoulder blades), applied by the reporter 20 days ago (27 Feb 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin. FL has been applied every 3 to 4 months (first application is unknown - 1 Jan 2017 - chosen at random). Similar cases were reported on 18BR002374 and 18BR002375. No further information is expected.

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19-Mar-2018	UAE; 18BR002374; PR; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	19-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Janis, a female large crossbred dog of 8 years old and 25 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (019/16 and unknown exp date, topical, btw the shoulder blades), applied by the reporter 20 days ago (27 Feb 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. In addition, the pet has flea allergic dermatitis. The environment has been treated with deltamethrin. FL has been applied every 3 to 4 months (first application is unknown - 1 Jan 2017 - chosen at random). Similar cases were reported on 18BR002373 and 18BR002375. No further information is expected.
19-Mar-2018	UAE; 18BR002375; PR; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	19-Mar-2018*	20 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dylan, a male Poodle of 9 years old and 20 kg, received one vial of FRONTLINE SPOT-ON DOG L (FL) (019/16 and unknown exp date, topical, btw the shoulder blades), applied by the reporter 20 days ago (27 Feb 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The environment has been treated with deltamethrin. FL has been applied every 3 to 4 months (first application is unknown - 1 Jan 2017 - chosen at random). Similar cases were reported on 18BR002373 and 18BR002374. No further information is expected.
18-Mar-2018	UAE; 18BR002382; RS; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	18-Mar-2018*	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one female dog, 30 kg (other signalment unknown), was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), by the reporter, on final Feb 2018 (28 Feb 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the amount of fleas increased and she also discovered one tick one her dog. This is the extent of the information available for now.
19-Mar-2018	UAE; 18BR002383; PR; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	07-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Melzinha, a 12-month-old, 3 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), route and location unknown, by unknown, on 6 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL, environment treated. It is unknown if FRONTLINE was applied to the dog in the past. One other dog of the same household that is also on FL was reported on 18BR002384. There is no further information available.
19-Mar-2018	UAE; 18BR002384; PR; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	N/A	07-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bichinha, a 2-year-old, 4.5 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), route and location unknown, by unknown, on 6 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 15 days prior to FL,

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 2.00 Year(s) **Weight:** 4.5 kg				**used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					environment treated. It is unknown if FRONTLINE was applied to the dog in the past. One other dog of the same household that is also on FL was reported on 18BR002383. There is no further information available.
19-Mar-2018	UAE; 18BR002386; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 3 cats of unknown signalment received FRONTLINE PLUS CATS (FL), however the product was not working because the cats continued to have fleas. UPDATE 20 MAR 2018 – The pet owner was contacted and he reported that Batman, a 5-year-old, 6 kg, male mixed breeds cat, was treated with one vial of FL (006/16, Oct 2018), topic, base of skull and btw the shoulder blades, by the reporter, on 13 Mar 2018, for flea treatment. Flea infestation prior to FL, environment treated with Butox, outdoor access denied. It is unknown if FRONTLINE was applied to the cat in the past. 2 other cats of the same household that are also on FL were reported on 18BR002387 and 18BR002388. No further information is available.
19-Mar-2018	UAE; 18BR002387; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 3 cats of unknown signalment received FRONTLINE PLUS CATS (FL), however the product was not working because the cats continued to have fleas. UPDATE 20 MAR 2018 – The pet owner was contacted and he reported that Salomé, a 15-year-old, 2 kg, female mixed breeds cat, was treated with one vial of FL (006/16, Oct 2018), topic, base of skull and btw the shoulder blades, by the reporter, on 13 Mar 2018, for flea treatment. Flea infestation prior to FL, environment treated with Butox, outdoor access denied. It is unknown if FRONTLINE was applied to the cat in the past. 2 other cats of the same household that are also on FL were reported on 18BR002386 and 18BR002388. No further information is available.
19-Mar-2018	UAE; 18BR002388; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 3 cats of unknown signalment received FRONTLINE PLUS CATS (FL), however the product was not working because the cats continued to have fleas. UPDATE 20 MAR 2018 – The pet owner was contacted and he reported that Lindinha, a 7-month-old, 2 kg, female mixed breeds cat, was treated with one vial of FL (006/16, Oct 2018), topic, base of skull and btw the shoulder blades, by the reporter, on 13 Mar 2018, for flea treatment. Flea infestation prior to FL, environment treated with Butox, outdoor access denied. It is unknown if FRONTLINE was applied to the cat in the past. 2 other cats of the same household that are also on FL were reported on 18BR002386 and 18BR002387. No further information is available.
19-Mar-2018	UAE; 18BR002395; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	N/A	19-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Mel, a female Lhasa Apso of 11 years old and 5.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 13 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (See case 18BR002396). No further

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						Cutaneous **Was the product used ok?:** Yes					information is expected.
19-Mar-2018	UAE; 18BR002396; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	19-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Chanel, a female Lhasa Apso of 12 years old and 7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 13 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (See case 18BR002395). No further information is expected.
17-Mar-2018	UAE; 18BR002399; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 17.00 Month(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	17-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Figaro, a male mixed breed cat of 17 months old and approximately 4.5 kg, received one vial of FRONTLINE PLUS CATS (FL) (007/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 2 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and FL was applied in the past with no issue (dose frequency is unknown and the first application was not specified – 1 Jan 2017 – chosen at random). There is another cat in this household with the same issue (See case 18BR002355). No further information is expected.
20-Mar-2018	UAE; 18BR002400; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 8.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Mar-2018*	24 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nininha, a female Poodle of 11 years old and 8.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (001/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 24 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
20-Mar-2018	UAE; 18BR002403; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Mar-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Roana, a female small crossbred dog of 3 months old and 6 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, parts of the body and btw the shoulder blades), applied by the reporter on 18 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
14-Mar-2018	UAE; 18BR002410; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	08-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 3 cats of unknown signalment, received one vial each of FRONTLINE PLUS CATS (FL) (lot, and exp unknown), by the reporter, for flea treatment. Lack of efficacy suspected because the cats continued to have fleas. UPDATE 20 MAR 2018 – The pet owner was contacted and she reported that Paul, a 4-year-old, 7 kg, male mixed breeds cat, was treated with FL topic, base of skull and btw the shoulder blades, by the reporter, on 7 Feb 2018. Flea infestation prior to FL because the owner rescued a kitty infested by fleas. Paul is still infested by fleas. Advocate was applied to the cat recently (date not specified) and, according to the owner, the product is working. Environment treated with Pulgoff and My Pet. FRONTLINE has been applied every 40-60 days with no issues (first application on date not specified - 1 Jan 2017 chosen at random). 3 other pets of the same household that are also on FRONTLINE were reported on 18BR002295, 18BR002296 and 18BR002411. No further information is available.
14-Mar-2018	UAE; 18BR002411; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	08-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, 3 cats of unknown signalment, received one vial each of FRONTLINE PLUS CATS (FL) (lot, and exp unknown), by the reporter, for flea treatment. Lack of efficacy suspected because the cats continued to have fleas. UPDATE 20 MAR 2018 – The pet owner was contacted and she reported that Lennon, a 4-year-old, 6 kg, male mixed breeds cat, was treated with FL topic, base of skull and btw the shoulder blades, by the reporter, on 7 Feb 2018. Flea infestation prior to FL because the owner rescued a kitty infested by fleas. Lennon is still infested by fleas. Advocate was applied to the cat recently (date not specified) and, according to the owner, the product is working. Environment treated with Pulgoff and My Pet. FRONTLINE has been applied every 40-60 days with no issues (first application on date not specified - 1 Jan 2017 chosen at random). 3 other pets of the same household that are also on FRONTLINE were reported on 18BR002295, 18BR002296 and 18BR002410. No further information is available.
15-Mar-2018	UAE; 18BR002415; SP; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 24 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	02-Mar-2018*	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Luppy, a male Chow Chow of 5 years old and 24 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 25 Feb 2018 (estimated date), for tick control. Lack of efficacy is suspected because the pet has ticks. The environment has been treated with Butox® every week. FL has been applied every 3 months with no issues (first application on date not specified – 1 Jan 2017 chosen at random). Similar cases were reported on 18BR002323, 18BR002416 and 18BR002417. Human exposure was also reported on 18BR002418. On 19 Mar 2018, the vet applied IVOMEC, for tick treatment (details were not provided and no sypmtoms were reported). No further information is expected. UPDATE 12 APR 2018 - The pet owner was contacted and reported that now the pet is free of ticks. No further information is known.
15-Mar-2018	UAE; 18BR002416; SP; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	01-Jan-2017*	02-Mar-2018	5 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Branca, a female Chow Chow of 11 months old and 20 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 25 Feb 2018 (estimated date), for tick control. The pet was in good health prior to FL. Lack of efficacy

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Month(s) **Weight:** 20 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					is suspected because the pet has ticks. On 2 Mar 2018, the pet presented nasal bleeding. On 3 Mar 2018, a CBC test showed thrombocytopenia, leucopenia and hyperproteinemia. The pet was diagnosed with Erhlichia canis (tick-borne disease) by an antigen test. The pet remains under treatment with doxycycline. The environment has been treated with Butox® every week. FL has been applied every 3 months with no issues (first application on date not specified – 1 Jan 2017 chosen at random). Similar cases were reported on 18BR002323, 18BR002415 and 18BR002417. Human exposure was also reported on 18BR002418. On 19 Mar 2018, the vet applied IVOMEC, for tick treatment (details were not provided and no sypmtoms were reported). No further information is expected. UPDATE 12 APR 2018 - The pet owner was contacted and reported that now the pet is free of ticks. No further information is known.
15-Mar-2018	UAE; 18BR002417; SP; Brazil	**Species:** Canine **Breed:** Chowchow **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	20-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, John John, a male Chow Chow of 2 years old and 25 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 20 Feb 2018 (estimated date), for tick control. The pet was in good health prior to FL. Lack of efficacy is suspected because the pet has ticks. Around 25 Feb 2018, the pet presented hair loss, weight loss and wounds. A CBC test was performed on 4 Mar 2018 and showed high hematocrit, anisocytosis and polychromasia. The pet was diagnosed with tick-borne disease by the clinical signs. John John remains under treatment with doxycycline. The environment has been treated with Butox® every week. FL has been applied every 3 months with no issues (first application on date not specified – 1 Jan 2017 chosen at random). Similar cases were reported on 18BR002323, 18BR002415 and 18BR002416. Human exposure was also reported on 18BR002418. On 19 Mar 2018, the vet applied IVOMEC, for tick treatment (details were not provided and no sypmtoms were reported). No further information is expected. UPDATE 12 APR 2018 - The pet owner was contacted and reported that now the pet is free of ticks. No further information is known.
20-Mar-2018	UAE; 18BR002420; PR; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Frida, a 4-year-old, 6 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (001/17, Dec 2018), topic, base of skull and btw the shoulder blades, by the reporter, 2 weeks ago (presumed 6 Mar 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas . Flea infestation 15 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied in the past to the dog. No further information is available.
20-Mar-2018	UAE; 18BR002424; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:**	7	7	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products	08-Mar-2018*	08-Mar-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, FRONTLINE was applied to his animals, but it does not work. UPDATE 20 MAR 2018 – The pet owner was contacted and he reported that 7 female mixed breeds cats, 1.5 to 5 kg (other signalment unknown), were treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, neck, legs and

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		Unknown **Age:** - **Weight:** 1.5 - 5 kg				**Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					hindlimbs, by the reporter, near 8 Mar 2018 and on 19 Mar 2018, for flea treatment. Lack of efficacy suspected because the cats continued to have fleas. Flea infestation 3 months prior to FL, environment treated. Other pets of the same household that are also on FL were reported on 18BR002425 and 18BR002426. There is no further information expected.
20-Mar-2018	UAE; 18BR002425; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 1.5 - 5 kg	3	3	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	08-Mar-2018*	08-Mar-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, FRONTLINE was applied to his animals, but it does not work. UPDATE 20 MAR 2018 – The pet owner was contacted and he reported that 3 male mixed breeds cats, 1.5 to 5 kg (other signalment unknown), were treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, neck, legs and hindlimbs, by the reporter, near 8 Mar 2018 and on 19 Mar 2018, for flea treatment. Lack of efficacy suspected because the cats continued to have fleas. Flea infestation 3 months prior to FL, environment treated. Other pets of the same household that are also on FL were reported on 18BR002424 and 18BR002426. There is no further information expected.
20-Mar-2018	UAE; 18BR002426; RJ; Brazil	**Species:** Canine **Breed:** Spaniel (Cocker) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	08-Mar-2018*	08-Mar-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via social media, FRONTLINE was applied to his animals, but it does not work. UPDATE 20 MAR 2018 – The pet owner was contacted and he reported that Fred, a 10-year-old, 10 kg, male Cocker Spaniel, was treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, neck, legs and hindlimbs, by the reporter, near 8 Mar 2018 and on 19 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas . Flea infestation 3 months prior to FL, environment treated. Other pets of the same household that are also on FL were reported on 18BR002424 and 18BR002426. There is no further information expected.
20-Mar-2018	UAE; 18BR002431; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** - **Was the product used ok?:** Yes	N/A	20-Mar-2018*	4 Week(s) 5 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Pitolomeu, 18 months old, 5 kilogram, feline, male, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL) (lot and exp date, topically, between the shoulder blades), applied by the owner on 15 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because her pet remained with fleas. According to the owner, animal already had fleas 2 day prior to treatment. The environment has not been treated. The animal does not leave the house for walks on the street. No further information is available.
19-Mar-2018	UAE; 18BR002433; -; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	01-Mar-2015*	16-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Kyra, 4 years old, 37 kilogram, canine, female, Pit Bull, received 1 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp date, topically, between the shoulder blades), applied by the owner on 1 Mar 2018, for flea treatment. The owner complained about the lack of efficacy of FL because he noticed fleas in his pet on 16 Mar

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		Weight: 37 kg				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					2018. According to the owner, animal already had fleas 2 weeks prior to treatment was treated but then the fleas returned. The environment has not been treated with a specific product. There are another 2 dogs in the same household with similar problem (see cases 18BR002434 and 18BR002435). The owner already used FL in the past (1 Mar 2015 – date chosen at random) with no issues. The owner only uses FL when he notices fleas in his pet . No further information is available.
19-Mar-2018	UAE; 18BR002434; -; Brazil	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 37 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Mar-2015*	16-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Thor, 4 years old, 37 kilogram, canine, male, German Shepherd, received 1 pipette of FRONTLINE PLUS DOG L (FL) (lot and exp date, topically, between the shoulder blades), applied by the owner on 1 Mar 2018, for flea treatment. The owner complained about the lack of efficacy of FL because he noticed fleas in his pet on 16 Mar 2018. According to the owner, animal already had fleas 2 weeks prior to treatment was treated but then the fleas returned. The environment has not been treated with a specific product. There are another 2 dogs in the same household with similar problem (see cases 18BR002433 and 18BR002435). The owner already used FL in the past (1 Mar 2015 – date chosen at random) with no issues. The owner only uses FL when he notices fleas in his pet . No further information is available.
19-Mar-2018	UAE; 18BR002435; -; Brazil	**Species:** Canine **Breed:** Beagle **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 18 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Mar-2015*	16-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Royce, 4 years old, 18 kilogram, canine, female, Beagle, received 1 pipette of FRONTLINE PLUS DOG M (FL) (lot and exp date, topically, between the shoulder blades), applied by the owner on 1 Mar 2018, for flea treatment. The owner complained about the lack of efficacy of FL because he noticed fleas in his pet on 16 Mar 2018. According to the owner, animal already had fleas 2 weeks prior to treatment was treated but then the fleas returned. The environment has not been treated with a specific product. There are another 2 dogs in the same household with similar problem (see cases 18BR002433 and 18BR002434). The owner already used FL in the past (1 Mar 2015 – date chosen at random) with no issues. The owner only uses FL when he notices fleas in his pet . No further information is available.
21-Mar-2018	UAE; 18BR002439; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mel, a female Poodle of 14 years old and 9 kg, received one vial of FRONTLINE SPOT-ON DOG S (FL) (004/17, unknown exp date, topical, btw the shoulder blades), applied by the reporter one week ago (14 Mar 2018 – estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas . The environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
21-Mar-2018	UAE; 18BR002440; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** U **Sex qualifier:** Unknown **Age:** 2.00	10	10	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous	07-Mar-2018*	21-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, 10 kittens of 2 months old and approximately 500 g, were treated, for the second time, with FRONTLINE SPRAY (FL) (012/16, Aug 2018, topical, whole body), applied by the reporter on 14 Mar 2018 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and FL was applied for the first time around 15 days ago (7 Mar 2018 – estimated date). There are other cats in this household

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Month(s) **Weight:** 500 gms				**Was the product used ok?:** Yes					with the same issue, but they were not treated with any product against ectoparasites. No further information is expected.
21-Mar-2018	UAE; 18BR002442; RJ; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Pregnant **Age:** 6.00 Month(s) **Weight:** 2.4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Mycca, an intact pregnant female mixed breed cat of 6 months old and 2.4 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 17 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. In addition, the pet is scratching herself due to fleas. The environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
21-Mar-2018	UAE; 18BR002445; SC; Brazil	**Species:** Canine **Breed:** Pomeranian **Sex:** M **Sex qualifier:** Unknown **Age:** 22.00 Month(s) **Weight:** 6.9 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	20-Mar-2018	1 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Toddy, 22 months old, 6.9 kilogram, canine, male, Pomeranian, received 1 pipette of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp date, topically, between the shoulder blades), applied by the owner on 19 Mar 2018, for tick control. The owner complained about the lack of efficacy of FL because yesterday (20 Mar 2018), she found ticks alive in her dog. The environment has not been treated. No further information is available. UPDATE 23 MAR 2018 – The pet owner reported that Toddy continued to have ticks and she also discovered fleas on her dog today. Daily outdoor access. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jul 2017 chosen at random). No further information is available.
20-Mar-2018	UAE; 18BR002446; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	27-Feb-2018*	26 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female dog of unknown signalment, received FRONTLINE (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Feb 2018, for tick treatment). The owner believes that FL is not working because she continues to see ticks on her pet. This is the extent of the information available.
20-Mar-2018	UAE; 18BR002449; RJ; Brazil	**Species:** Canine **Breed:** Dalmatian **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 16.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination	10-Dec-2017*	19-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner via e-mail, one Dalmatian of 5 months old (other signalment is unknown), received FRONTLINE SPRAY (FL) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Mar 2018 - chosen at random). Following product application, the pet presented with an 'allergic reaction'. This is the extent of the information available. UPDATE 23 MAR 2018 – Thor, 5 months old, 16.5 kilogram, male, canine, Dalmatian, received FRONTLINE SPRAY (lot 017/16, exp date unknown, topically, on the back), applied on 18 Mar 2018, for flea/tick control. According to the owner, she already used FL in Thor. When she received him into her house, FL was applied and Thor presented reddening skin (see case 18BR002489). This time, she gave two sprinkles

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						program not respected)					over Thor´s back and on 19 Mar 2018 he reacted with intense pruritus. The animal was bathed and taken to the veterinarian. He was treated with an antitoxic and corticoid. It is unknown if the animal recovered. No further information is available.
21-Mar-2018	UAE; 18BR002450; SP; Brazil	**Species:** Canine **Breed:** Spaniel (Cocker) **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 17 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Doke, 4 years old, 17 kilogram, canine, male, Cocker spaniel, received 1 pipette of FRONTLINE SPOT-ON DOGS M (FL) (lot 003/17 and exp date unknown, topically, between the shoulder blades), applied by the owner on 17 Mar 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. The environment has not been treated. The animal take daily walks on the street and always return with fleas. The owner already used FL in the past (date not specified). No further information is available.
20-Mar-2018	UAE; 18BR002451; -; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 5.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	27-Oct-2017	20-Mar-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Chope, a female small crossbred dog of 6 months old and 5.5 kg, received, for the second time, one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, route and location are unknown), applied by the reporter on 25 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and FL was applied for the first time on 27 Oct 2017. No further information is expected. UPDATE 5 MAR 2018 - The owner was contacted and reported that FL is applied every 3 months. No further information is known.
20-Mar-2018	UAE; 18BR002455; RS; Brazil	**Species:** Canine **Breed:** Dachshund **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	20-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Preta, a female Dachshund of 10 years old and 7 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, neck and back - incorrect application), applied by the retail store staff member on 19 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. FL was applied in the past with the same issue (dose frequency is unknown and first application was not specified 1 Jan 2017 - chosen at random). The environment has been treated with an unknown product against fleas. This is the extent of the information available.
21-Mar-2018	UAE; 18BR002462; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 3.2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment /	N/A	21-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Mary Jane, 3 months old, 3.2 kilogram, canine, female, Mixed Breed, received 1 dose of FRONTLINE SPRAY 100 mL (FL) (lot 017/16 and exp date unknown, topically, in he ears and back), applied by the owner on 21 Feb 2018, for tick treatment. The owner complained about the lack of efficacy of FL because she continued to find ticks in her pet. According to the owner, animal already had ticks 40 days prior to treatment. The environment has been treated with BUTOX®. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						vaccination program not respected)					
20-Mar-2018	UAE; 18BR002468; RJ; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Meigo, a 10-year-old, 2.5 kg, male Yorkshire Terrier, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (032/15, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 27 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one week prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. 2 other dogs of the same household that are also on FL were reported on 18BR002469 and 18BR002470. There is no further information available.
20-Mar-2018	UAE; 18BR002469; RJ; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nick, an 8-year-old, 4 kg, female Yorkshire Terrier, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (032/15, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 27 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one week prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. 2 other dogs of the same household that are also on FL were reported on 18BR002468 and 18BR002470. There is no further information available.
20-Mar-2018	UAE; 18BR002470; RJ; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 750 gms	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	28-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cristal, a 10-year-old, 750 G, female Yorkshire Terrier, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (032/15, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 27 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one week prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. 2 other dogs of the same household that are also on FL were reported on 18BR002468 and 18BR002469. There is no further information available.
20-Mar-2018	UAE; 18BR002473; SC; Brazil	**Species:** Feline **Breed:** Turkish Angora **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	24-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Sofia, a 7-year-old, 2 kg, female Turkish Angora, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 23 Feb 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 1 week prior to FL, environment not treated. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). 4 other pets of the same household that are also on FRONTLINE were reported on 18BR002474, 18BR002475, 18BR002476 and 18BR002477. No further information is available.
20-Mar-2018	UAE;	**Species:** Feline	1	1	0	**Product used:**	01-Jan-2017*	24-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner,

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	18BR002474; SC; Brazil	**Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 3 kg				FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					Frederico, a 5-year-old, 3 kg, male Siamese, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 23 Feb 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 1 week prior to FL, environment not treated. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). 4 other pets of the same household that are also on FRONTLINE were reported on 18BR002473, 18BR002475, 18BR002476 and 18BR002477. No further information is available.
20-Mar-2018	UAE; 18BR002475; SC; Brazil	**Species:** Feline **Breed:** Siamese **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018*	24-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Chiquinho, a 4-month-old, male Siamese (weight unknown), was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 23 Feb 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 1 week prior to FL, environment not treated. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2018 chosen at random). 4 other pets of the same household that are also on FRONTLINE were reported on 18BR002473, 18BR002474, 18BR002476 and 18BR002477. No further information is available.
20-Mar-2018	UAE; 18BR002476; SC; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018*	24-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Negão, a 12-year-old, 2.5 kg, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 23 Feb 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 1 week prior to FL, environment not treated. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). 4 other pets of the same household that are also on FRONTLINE were reported on 18BR002473, 18BR002474, 18BR002475 and 18BR002477. No further information is available.
20-Mar-2018	UAE; 18BR002477; SC; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	24-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Teddy, an 11-year-old, 2.5 kg, male Poodle, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 23 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 1 week prior to FL, environment not treated. FRONTLINE was applied in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). 4 cats of the same household that are also on FRONTLINE were reported on 18BR002473, 18BR002474, 18BR002475 and 18BR002476. No further information is available.
22-Mar-2018	UAE; 18BR002486; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U	2	2	0	**Product used:** FIPRONIL SPOT ON DOG **Other products**	N/A	22-Mar-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, two dogs of unknown signalment, received, for the first time, FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not

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		Sex qualifier: Unknown **Age:** - **Weight:** Unknown				**used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					specified (1 Mar 2018 - chosen at random), for flea treatment. Lack of efficacy is suspected because the dogs and the environment have fleas. This is the extent of the information available.
22-Mar-2018	UAE; 18BR002488; SP; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2013*	21-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cristal, a 7-year-old, 4 kg, female Poodle, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (020/16, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 10 days ago (presumed 10 Mar 2018), for flea treatment. All fleas died, however lack of efficacy is suspected because the owner discovered one flea on her dog yesterday. Flea infestation 5 days prior to FL, environment not treated. FRONTLINE has been applied since date not specified (1 Jan 2013 chosen at random) with no issues. There is no further information available.
22-Mar-2018	UAE; 18BR002489; RJ; Brazil	**Species:** Canine **Breed:** Dalmatian **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 16.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	10-Dec-2017*	10-Dec-2017*	0 Day(s)	D-D	Suspected Adverse Event: as reported by the owner, Thor, 5 months old, 16.5 kilogram, male, canine, Dalmatian, received FRONTLINE SPRAY ® (lot, exp date, route and site of administration unknown), applied for an unknown reason on an unspecified date when the owner received Thor into her house (10 Dec 2017 – date chosen at random). According to the owner that was the first time her pet received FL and after application, he presented reddening skin. The animal was medicated and recover (11 Dec 2017 – date chosen at random). The animal also had another adverse event afew months later, after FL use (see case 18BR002449.)No further information is available.
23-Mar-2018	UAE; 18BR002501; RJ; Brazil	**Species:** Canine **Breed:** Rottweiler **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	23-Mar-2018	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Zeus, a male Rottweiler of 3 months old and 15 kg, received FRONTLINE SPRAY (FL) (017/16 and unknown exp date, topical, whole body), applied by the reporter on 20 Mar 2018, for tick control. Lack of efficacy is suspected because ticks were found on her pet today (23 Mar 2018). The environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
23-Mar-2018	UAE; 18BR002505; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	23-Mar-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bily, a male Poodle of 12 years old and 6 kg, was treated with FRONTLINE PLUS DOG S kg (FL) (014/17, Feb 2019, topical, btw the shoulder blades), applied by the reporter on on 20 Fev 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. In addition, the dog is scratching himself due to fleas. The environment has been treated with an unknown product and FL was applied in the past with no issue (dose frequency is unknown and first application is not specified - 1 Jan 2017 chosen at random). There is another dog in this household with the same issue (See case 18BR002506). No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
23-Mar-2018	UAE; 18BR002506; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	23-Mar-2018*	31 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Neguinha, a female Poodle of 8 years old and 5 kg, was treated with FRONTLINE PLUS DOG S kg (FL) (014/17, Feb 2019, topical, btw the shoulder blades), applied by the reporter on 20 Fev 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and FL was applied in the past with no issue (dose frequency is unknown and first application is not specified - 1 Jan 2017 chosen at random). There is another dog in this household with the same issue (See case 18BR002505). No further information is expected.
22-Mar-2018	UAE; 18BR002509; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Off label use / Indication)	N/A	22-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Belinha, 5 years old, 4 kilogram, canine, female, Yorkshire, received approximately 1/4 (quart) pipette of FRONTLINE PLUS DOG XL (FL) (lot 006/17 and exp date unknown, topically, between the shoulder blades), applied by the owner on 22 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, animal already had fleas 3-4 days prior to treatment. The environment has been treated with BUTOX® and K-OTHRINE®. There are another 7 dogs in the same household and 4 of them with similar problem (see cases 18BR002510 to 18BR002513). The owner fractionated 2 FL pipettes between her 8 dogs with a syringe. No further information is available.
22-Mar-2018	UAE; 18BR002510; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Off label use / Indication)	N/A	22-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Olaf, 3 years old, 4 kilogram, canine, male, Yorkshire, received approximately 1/4 (quart) pipette of FRONTLINE PLUS DOG XL (FL) (lot 006/17 and exp date unknown, topically, between the shoulder blades), applied by the owner on 22 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, animal already had fleas 3-4 days prior to treatment. The environment has been treated with BUTOX® and K-OTHRINE®. There are another 7 dogs in the same household and 4 of them with similar problem (see cases 18BR002509, and 18BR 002511 to 18BR002513). The owner fractionated 2 FL pipettes between her 8 dogs with a syringe. No further information is available.
22-Mar-2018	UAE; 18BR002511; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	22-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Neném, 9 months old, 2.5 kilogram, canine, male, Yorkshire, received approximately 1/4 (quart) pipette of FRONTLINE PLUS DOG XL (FL) (lot 006/17 and exp date unknown, topically, between the shoulder blades), applied by the owner on 22 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, animal already had fleas 3-4 days prior to treatment. The environment has been treated with BUTOX® and K-OTHRINE®. There are another 7 dogs in the same household and 4 of them with similar problem (see cases 18BR002509, 18BR002510, 18BR002512 and 18BR002513). The owner fractionated 2 FL

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						ok?: No (Off label use / Indication)					pipettes between her 8 dogs with a syringe. No further information is available.
22-Mar-2018	UAE; 18BR002512; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Off label use / Indication)	N/A	22-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Amora, 3 years old, 2.5 kilogram, canine, female, Yorkshire, received approximately 1/4 (quart) pipette of FRONTLINE PLUS DOG XL (FL) (lot 006/17 and exp date unknown, topically, between the shoulder blades), applied by the owner on 22 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, animal already had fleas 3-4 days prior to treatment. The environment has been treated with BUTOX® and K-OTHRINE®. There are another 7 dogs in the same household and 4 of them with similar problem (see cases 18BR002509 to 18BR002511 and 18BR002513). The owner fractionated 2 FL pipettes between her 8 dogs with a syringe. No further information is available.
22-Mar-2018	UAE; 18BR002513; SP; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 2 kg	4	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Off label use / Indication)	N/A	22-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Minei, 3 years old, 2 kilogram, canine, female, Yorkshire, received approximately 1/4 (quart) pipette of FRONTLINE PLUS DOG XL (FL) (lot 006/17 and exp date unknown, topically, between the shoulder blades), applied by the owner on 22 Feb 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, animal already had fleas 3-4 days prior to treatment. The environment has been treated with BUTOX® and K-OTHRINE®. There are another 7 dogs in the same household and 4 of them with similar problem (see cases 18BR002509 to 18BR002512). The owner fractionated 2 FL pipettes between her 8 dogs with a syringe. No further information is available.
23-Mar-2018	UAE; 18BR002515; RJ; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Preta, a 2-year-old, 9 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (001/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 2 weeks ago (9 Mar 2018), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks . Tick infestation 2 weeks prior to FL, environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. No further information is available.
23-Mar-2018	UAE; 18BR002516; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 7.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	04-Dec-2017*	05-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bambam, a 5-year-old, 7.8 kg, male Lhasa Apso, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, back, by the reporter, on 4 Mar 2018, for flea prevention. Lack of efficacy suspected because the owner has discovered fleas on her dog following product application. FRONTLINE has been applied every month for the past 3 months, outdoor access, environment not treated. No further information is available.

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						Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					
22-Mar-2018	UAE; 18BR002525; SP; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Nov-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Ruy, a male mixed breed cat of 5 years old and 1.5 kg, received FRONTLINE 'pipette' (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the owner on date not specified (1 Nov 2017 - chosen at random), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002526, 18BR002527 and 18BR002528. This is the extent of the information available.
22-Mar-2018	UAE; 18BR002526; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Nov-2017*	N/A	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Gregório, a male Maltese of 8 years old and 1.5 kg, received FRONTLINE 'pipette' (unsubstantiated) (FL) (lot, exp date, route and location are unknown), applied by the owner on date not specified (1 Nov 2017 - chosen at random), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002525, 18BR002527 and 18BR002528. This is the extent of the information available.
22-Mar-2018	UAE; 18BR002527; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017*	01-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Ruy, a male mixed breed cat of 5 years old and 1.5 kg, received, for the third time, FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, whole body), applied by the owner around 1 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and FL was applied on Dec 2017 (first application) and Jan 2018 (second application). Similar cases were reported on 18BR002525, 18BR002526 and 18BR002528. This is the extent of the information available. UPDATE 4 APR 2018 - 1st application was on Dec 2017 (1 Dec 2017 chosen at random). There is no further information expected.
22-Mar-2018	UAE; 18BR002528; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 1.5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017*	01-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Gregório, a male Maltese of 8 years old and 1.5 kg, received, for the third time, FRONTLINE SPRAY (FL) (lot and exp date are unknown, topical, whole body), applied by the owner around 1 Feb 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and FL was applied on Dec 2017 (first application) and Jan 2018 (second application). Similar cases were reported on 18BR002525, 18BR002526 and 18BR002528. This is the extent of the information available. UPDATE 4 APR 2018 - 1st application was on Dec 2017 (1 Dec 2017 chosen at random). There is no further information expected.

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22-Mar-2018	UAE; 18BR002532; BA; Brazil	**Species:** Canine **Breed:** Poodle (Standard) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 13 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	20-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, an unknown number of dogs was treated with FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Mar 2018 - chosen at random), for flea treatment. Lack of efficacy is suspected because the dog remains with fleas . FL was applied in the past with no issue (1 Jan 2017 - chosen at random). This is the extent of the information available. UPDATE 28 MAR 2018 – The pet owner reported that Mailon, a 3-year-old, 13 kg, male Poodle, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 19 Mar 2018, for flea treatment. Flea infestation prior to FL, environment not treated. 2 other dogs of the same household that are also on FL were reported on 18BR002637 and 18BR002638. No further information is available.
23-Mar-2018	UAE; 18BR002536; SP; Brazil	**Species:** Canine **Breed:** French Bulldog **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 22 kg	8	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	23-Mar-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Madona, 3 years old, 22 kilogram, canine, female, French Bulldog, received 1/2 pipette of FRONTLINE SPOT-ON DOGS XL (FL)(lot AAA1237/17, exp date, topically, between the shoulder blades), applied by the owner on 15 Mar 2018, for flea treatment. The owner complained about the lack of efficacy, because she applied in 8 animals, but only Madona remained with fleas. According to the owner, her pet already had fleas 1 day prior to treatment. The environment has not been treated. There is no further information available.
23-Mar-2018	UAE; 18BR002539; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	17-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Thor, an 8-month-old, 4.5 kg, male Shih Tzu, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 16 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas, and the owner also discovered one tick on her dog. Flea infestation 2 months prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the dog in the past. No further information is available.
26-Mar-2018	UAE; 18BR002540; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 6.7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Feb-2018*	03-Feb-2018*	N/A	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Timóteo, 6 years old,6.7 kilogram, feline, male, Mixed Breed, received 1 pipette of FRONTLINE SPOT-ON CAT (FL)(lot and exp date unknown, topically, between the shoulder blades), applied by the owner on 2 Feb 2018 and 2 Mar 2018, for flea treatment. The owner complained about the lack of efficacy, because her animal continues to have fleas. According to the owner, her pet already had fleas 1 day prior to treatment. The environment has been treated with K-OTHRINE®. The owner solved the flea problem with another product. There is no further information available.
23-Mar-2018	UAE; 18BR002541;	**Species:** Canine **Breed:** Small	1	1	0	**Product used:** FIPRONIL SPOT	N/A	16-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Alua, a 3-month-old, 4.2 kg, female crossbred dog, was treated

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	SP; Brazil	crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** 4.2 kg				ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 15 Mar 2018, for tick treatment. Lack of efficacy suspected because the pup continued to have ticks. Tick infestation 2 days prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the pup in the past. No further information is available.
23-Mar-2018	UAE; 18BR002543; SP; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	14-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Julie, a 5-month-old, 3 kg, female Poodle, was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, 10 days ago (13 Mar 2018), for tick treatment. Lack of efficacy suspected because the pup continued to have ticks. Tick infestation 1 week prior to FL, environment not treated. It is unknown if FRONTLINE was applied to the pup in the past. No further information is available.
23-Mar-2018	UAE; 18BR002544; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Year(s) **Weight:** 12.6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bamba, an 18-year-old, 12.6 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 9 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 1 week prior to FL, environment treated with Butox. FRONTLINE was applied in the past with no issues (dose frequency unknown and first dose on date not specified – 1 Jan 2015 chosen at random). 3 other dogs of the same household that are also on FL were reported on 18BR002545, 18BR002546 and 18BR002547. There is no further information available.
23-Mar-2018	UAE; 18BR002545; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 18.00 Year(s) **Weight:** 11.3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Axze, an 18-year-old, 11.3 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 9 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 1 week prior to FL, environment treated with Butox. FRONTLINE was applied in the past with no issues (dose frequency unknown and first dose on date not specified – 1 Jan 2015 chosen at random). 3 other dogs of the same household that are also on FL were reported on 18BR002544, 18BR002546 and 18BR002547. There is no further information available.
23-Mar-2018	UAE; 18BR002546; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	01-Jan-2015*	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lequinho, a 5-year-old, 10 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 9 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 1 week prior to FL, environment treated with Butox. FRONTLINE was applied in the past with no issues (dose frequency unknown and first dose on date not specified – 1 Jan

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						Cutaneous **Was the product used ok?:** Yes					2015 chosen at random). 3 other dogs of the same household that are also on FL were reported on 18BR002544, 18BR002545 and 18BR002547. There is no further information available.
23-Mar-2018	UAE; 18BR002547; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 18.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	01-Jan-2015*	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maria Cecilia, an 18-year-old, 9 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 9 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 1 week prior to FL, environment treated with Butox. FRONTLINE was applied in the past with no issues (dose frequency unknown and first dose on date not specified – 1 Jan 2015 chosen at random). 3 other dogs of the same household that are also on FL were reported on 18BR002544, 18BR002545 and 18BR002546. There is no further information available.
23-Mar-2018	UAE; 18BR002552; -; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 6.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	15-Feb-2018*	06-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one dog of unknown signalment was treated with one vial of FRONTLINE PLUS DOGS (size, lot and exp unknown), 'according to the product instructions' (topic, between the shoulder blades), by the reporter, on 5 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas . This is the extent of the information available. UPDATE 28 MAR 2018 - The owner was contacted and reported that Snoopy, a male small crossbred dog of 11 years old and 6.5 kg, was treated, for the second time, with one vial of FRONTLINE PLUS DOG S (FL) (back, neck - incorrect application). The environment has not been treated and FL was applied for the first time around 15 Feb 2018. No further information is expected.
23-Mar-2018	UAE; 18BR002556; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	23-Mar-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one 2-month-old, 4 kg, female dog (other signalment unknown), was treated with one vial of FRONTLINE SPOT-ON DOGS S (FL) (lot and exp unknown), by unknown, on 15 Mar 2018, for tick treatment. Lack of efficacy suspected because the veterinarian discovered one tick on the pup today (23 Mar 2018). It is unknown if FRONTLINE was applied to the pup in the past. This is the extent of the information available.
24-Mar-2018	UAE; 18BR002557; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** unknown **Was the product used**	01-Dec-2017*	11-Mar-2018*	1 Day(s)	D-E	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 3 dogs of unknown signalment were treated with one vial each of FRONTLINE SPOT-ON DOGS (size, lot and exp unknown), by the reporter, 2 weeks ago (presumed 10 Mar 2018). Lack of efficacy mentioned by the owner, however there is no information regarding what happened. FRONTLINE PLUS DOGS was applied on Dec 2017, with no issues. This is the extent of the information available.

N/A signifies the information for this field is either not available or not applicable

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Unknown to Company					
23-Mar-2018	UAE; 18BR002560; MG; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Mar-2018	23-Mar-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Bob, a male Shih Tzu of 5 years old and around 8 kg, was treated, for the first time, with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 5 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with a powder against fleas. No further information is expected.
24-Mar-2018	UAE; 18BR002570; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	24-Mar-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Johnnick, a male mixed breed cat of 7 years old and 4 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 14 Mar 2018 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin and FL has been applied every 3 months (first application was not specified - 1 Jan 2016 chosen at random). Similar cases were reported on 18BR002571 and 18BR002572. No further information is expected.
24-Mar-2018	UAE; 18BR002571; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	24-Mar-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Vick, a female mixed breed cat of 6 years old and 5 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 14 Mar 2018 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin and FL has been applied every 3 months (first application was not specified - 1 Jan 2016 chosen at random). Similar cases were reported on 18BR002570 and 18BR002572. No further information is expected.
24-Mar-2018	UAE; 18BR002572; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 15.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	24-Mar-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Minie, a female mixed breed cat of 15 months old and 4 kg, received one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 14 Mar 2018 (estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin and FL has been applied every 3 months (first application was not specified - 1 Jan 2017 chosen at random). Similar cases were reported on 18BR002570 and 18BR002571. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
26-Mar-2018	UAE; 18BR002573; GO; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 24.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	26-Mar-2018*	10 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Belinha, a female large crossbred dog of 6 years old and 24.5 kg, received one vial of FRONTLINE PLUS DOG L (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 16 Mar 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The environment has been treated with cypermethrin and it is unknown if FL has previously been applied. No further information is expected.
26-Mar-2018	UAE; 18BR002574; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Mar-2018	25-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Sofi, an 8-year-old, 4 kg, female mixed breeds cat, was treated with one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for the first time, on 25 Mar 2018, 3 pm, for flea treatment. 8 hours later (11 pm), the cat started experiencing vomiting and diarrhea. Today (26 Mar 2018), the cat did not vomit. She was not taken to the vet clinic. Oral exposure denied. There is no further information available.
27-Mar-2018	UAE; 18BR002579; ES; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	21-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Princesa, a 12-year-old, 5 kg, female Yorkshire Terrier, was treated with FRONTLINE SPRAY (FL) (013/16, Nov 2018), topic, whole body, by the reporter, one week ago (20 Mar 2018), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation one week prior to FL, environment treated with Butox. FRONTLINE was applied in the past with no issues (dose frequency unknown and first dose on date not specified – 1 Jan 2015 chosen at random). One other dog of the same household that is also on FL was reported on 18BR002580. No further information is available.
27-Mar-2018	UAE; 18BR002580; ES; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	21-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Estrela, an 11-year-old, 5 kg, female Yorkshire Terrier, was treated with FRONTLINE SPRAY (FL) (013/16, Nov 2018), topic, whole body, by the reporter, one week ago (20 Mar 2018), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation one week prior to FL, environment treated with Butox. FRONTLINE was applied in the past with no issues (dose frequency unknown and first dose on date not specified – 1 Jan 2015 chosen at random). One other dog of the same household that is also on FL was reported on 18BR002579. No further information is available.
27-Mar-2018	UAE; 18BR002581; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products	N/A	25-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Lion, a 3-month-old, 600 G, male mixed breeds cat, was treated with one vial of FRONTLINE PLUS CATS (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 10 Mar 2018, for flea treatment. Lack of efficacy suspected because the owner has discovered fleas on her cat since 25 Mar 2018. Flea infestation 2 days prior to FL, environment not treated. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Month(s) **Weight:** 600 gms				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					
27-Mar-2018	UAE; 18BR002584; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	27-Mar-2018*	15 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Princesa, 2 months old, 3 kilogram, canine, female, Shih Tzu, received 1 pipette of FRONTLINE SPOT-ON DOGS S (FL)(lot, exp date, topically, between the shoulder blades), applied by the owner 15 days ago (12 Mar 2018 - estimated date), for flea treatment. The owner complained about the lack of efficacy, because her animal continues to have fleas. According to the owner, her pet already had fleas 1 month prior to treatment. The environment has not been treated. There is no further information available.
27-Mar-2018	UAE; 18BR002585; RJ; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** M **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	27-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Yuke, 1 years old, 5 kilogram, canine, male, Basset Hound, received 1 pipette of FRONTLINE PLUS DOG S (FL)(lot 001/17, exp date NOV 2018, topically, between the shoulder blades), applied by the owner 1 week ago (20 Mar 2018 – estimated date), for tick treatment. The owner complained about the lack of efficacy, because her animal continues with ticks. According to the owner, her pet already had ticks 8 days prior to treatment. The environment has been treated with DECAPLUS®. There are another 2 dogs in the same household with similar problem (see cases 18BR002586 and 18BR002587). The owner already used FL in the past without issues (date not specified). There is no further information available.
27-Mar-2018	UAE; 18BR002586; RJ; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** M **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	27-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Tuffi, 7 years old, 2 kilogram, canine, male, Basset Hound, received 1 pipette of FRONTLINE PLUS DOG S (FL)(lot 001/17, exp date NOV 2018, topically, between the shoulder blades), applied by the owner 1 week ago (20 Mar 2018 – estimated date), for tick treatment. The owner complained about the lack of efficacy, because her animal continues with ticks. According to the owner, her pet already had ticks 8 days prior to treatment. The environment has been treated with DECAPLUS®. There are another 2 dogs in the same household with similar problem (see cases 18BR002585 and 18BR002587). The owner already used FL in the past without issues (date not specified). There is no further information available.
27-Mar-2018	UAE; 18BR002587; RJ; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	27-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, Afrodite, 6 months old, 4 kilogram, canine, female, Basset Hound, received 1 pipette of FRONTLINE PLUS DOG S (FL)(lot 001/17, exp date NOV 2018, topically, between the shoulder blades), applied by the owner 1 week ago (20 Mar 2018 – estimated date), for tick treatment. The owner complained about the lack of efficacy, because her animal continues with ticks. According to the owner, her pet already had ticks 8 days prior to treatment. The environment has been treated with DECAPLUS®. There are another 2 dogs in the same household with similar problem (see cases 18BR002585 and 18BR002586). The owner already used FL in the past without issues (date not specified). There is no further information available.

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26-Mar-2018	UAE; 18BR002594; PR; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	26-Mar-2018*	25 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Precinha, a female small crossbred dog of 6 years old and 10 kg, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter around 2 weeks ago (14 Mar 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002647, 18BR002648, 18BR002649 and 18BR002650. No further information is available.
26-Mar-2018	UAE; 18BR002595; BA; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	26-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, an unidentified dog received FRONTLINE SPRAY(lot, exp date, route and site of administration unknown), on an unspecified date (20 Mar 2018 – date chosen at random) for flea and tick treatment. The owner complained that she continues to see parasites in her dog. The owner does not provide more information. There is no further information available
26-Mar-2018	UAE; 18BR002596; RS; Brazil	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	03-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Brisa, a 6-year-old, 6 kg, female Poodle, was treated with one vial of FRONTLINE PLUS DOG S (FL) (018/17, exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 2 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation few days prior to FL, environment not treated, outdoor access. It is unknown if FRONTLINE was applied to the dog in the past. Since FL did not work, NEXGARD was given to Brisa, but she reacted to the product (see 18BR002597). There is no further information available.
27-Mar-2018	UAE; 18BR002608; RJ; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not	N/A	27-Mar-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Toquinho, a male Poodle of 9 years old and 4 kg, received FRONTLINE SPRAY (FL) (007/16 and unknown exp date, topical, head and back - incorrect application), applied by the reporter on 5 Mar 2018, for tick control. Lack of efficacy is suspected because the pet has ticks. The environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002609 and 18BR002610. No further information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						respected)					
27-Mar-2018	UAE; 18BR002609; RJ; Brazil	**Species:** Canine **Breed:** Pomeranian **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	27-Mar-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bela, a female Pomeranian of 1 year old and 2 kg, received FRONTLINE SPRAY (FL) (007/16 and unknown exp date, topical, head and back), applied by the reporter on 5 Mar 2018, for tick control. Lack of efficacy is suspected because the pet remains with ticks. The environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002608 and 18BR002610. No further information is expected.
27-Mar-2018	UAE; 18BR002610; RJ; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	27-Mar-2018*	22 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luna, a female Shih Tzu of 3 years old and 5 kg, received FRONTLINE SPRAY (FL) (007/16 and unknown exp date, topical, head and back), applied by the reporter on 5 Mar 2018, for tick control. Lack of efficacy is suspected because the pet remains with ticks. The environment has not been treated and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002608 and 18BR002609. No further information is expected.
27-Mar-2018	UAE; 18BR002611; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	27-Mar-2018*	26 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Thor, a male medium crossbred dog of 3 years old and 15 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 1 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and FL was applied in the past with no issue (dose frequency is unknown and first application was not provided - 1 Jan 2017 chosen at random). No further information is expected.
27-Mar-2018	UAE; 18BR002612; RJ; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No	18-Jun-2016*	12-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Laica, a 2-year-old, 30 kg, female crossbred dog, was treated with FRONTLINE SPRAY (FL) (011/16, exp unknown), topic, back, by the reporter, 15 days ago (12 Mar 2018), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks . Tick infestation 3 weeks prior to FL, environment treated with Butox. FRONTLINE was applied in the past and Laica reacted (see 18BR002615). 2 other dogs of the same household that are also on FL were reported on 18BR002613 and 18BR002614. No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						(Treatment / vaccination program not respected)					
27-Mar-2018	UAE; 18BR002613; RJ; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 28 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	12-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tata an 18-month-old, 28 kg, female crossbred dog, was treated with FRONTLINE SPRAY (FL) (011/16, exp unknown), topic, back, by the reporter, 15 days ago (12 Mar 2018), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks . Tick infestation 3 weeks prior to FL, environment treated with Butox. FRONTLINE was applied in the past, but no issues reported (dose frequency unknown adn first application on date not specified - 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FL were reported on 18BR002612 and 18BR002614. No further information is available.
27-Mar-2018	UAE; 18BR002614; RJ; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 18.00 Month(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	12-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Barbara, a 4-year-old, 15 kg, female crossbred dog, was treated with FRONTLINE SPRAY (FL) (011/16, exp unknown), topic, back, by the reporter, 15 days ago (12 Mar 2018), for tick treatment. Lack of efficacy suspected because the dog continued to have ticks . Tick infestation 3 weeks prior to FL, environment treated with Butox. FRONTLINE was applied in the past, but no issues reported (dose frequency unknown adn first application on date not specified - 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FL were reported on 18BR002612 and 18BR002613. No further information is available.
27-Mar-2018	UAE; 18BR002615; RJ; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Jun-2016*	18-Jun-2016*	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Laica, a 3-month-old, female crossbred dog (weight unknown), was treated with FRONTLINE SPRAY (FL) (lot and exp unknown), topic, whole body, by the reporter, for the first time, on date not specified (18 Jun 2016 chosen at random), for tick treatment. 15 minutes post product application, the pup started experiencing vomiting and hypersalivation. Laica was bathed and the signs stopped, but she presented with apathy. The pup recovered on the following day. Oral exposure mentioned. FL was applied again to Laica on Mar 2018 but the product did not work (see 18BR002612). No further information is available.
27-Mar-2018	UAE; 18BR002617; AM; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	27-Mar-2018	27-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Sol, a 7-month-old, 4 kg, female Pinscher, was treated with one vial of FRONTLINE SPOT-ON DOGS (FL) (size, lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, for the first time, today (27 Mar 2018) morning. She was in good health prior to FL. Few hours post product application, the dog started experiencing facial swelling and limbs swelling. Sol was not taken to the vet clinic yet. There is no further information available.

N/A signifies the information for this field is either not available or not applicable

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Unknown to Company					
27-Mar-2018	UAE; 18BR002620; SP; Brazil	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 5.3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	11-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy claim : As reported by the owner´s daughter, Luna, 4 years old, 5.3 kilogram, canine, female, Shih Tzu, received a dose of FRONTLINE® (FL) (lot, exp date, route and site of application unknown), applied by an unknown person on an unspecified date (10 Dec 2017 – date chosen at random) for flea/tick treatment. The owner´s daughter complained about the lack of efficacy of FL because it was applied 3 times and according to her, it did not give results. The owner also complained about NEXGARD® suspected lack of efficacy (see case 18BR002619). No further information is available.
28-Mar-2018	UAE; 18BR002623; MG; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	17-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Doroteia, a 4-year-old, 2 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 16 Feb 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 2 days prior to FL, environment treated with K-Othrine. FRONTLINE was applied in the past with no issues (dose frequency near 6 months, first application on date not specified – 1 Jan 2017 chosen at random). No further information is available.
28-Mar-2018	UAE; 18BR002624; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-May-2017*	28-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Preta, a 12-year-old, 30 kg, female crossbred dog, was treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 27 Feb 2018, for tick treatment. Lack of efficacy suspected because the dog continued to have ticks. Tick infestation more than one month prior to FL, environment treated. FRONTLINE was applied in the past with no issues (start dose on date not specified - 1 May 2017 chosen at random). FRONTLINE has been applied every month for the past 6 months because Preta is still infested by ticks. No further information is available.UPDATE 29 MAR 2018 – According to the owner FL was also applied on 27 Mar 2018 . No further information is available.
28-Mar-2018	UAE; 18BR002625; SP; Brazil	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-May-2017*	28-Feb-2018*	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Preta, a 12-year-old, 30 kg, female crossbred dog, has been treated with one vial of FRONTLINE PLUS DOG L (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, since date not specified (1 May 2017 chosen at random). Every time FRONTLINE was applied, the dog experienced application site hair loss post FL, and recovered by her own 1 month later, approximately. FRONTLINE has been applied every month for the past 6 months because Preta is still infested by ticks after FL (see 18BR002624). This is the extent of the information available for now.UPDATE 29 MAR 2018 – The owner said the hair became damp and oily near the application site but the animal loses hair in several points on his body. According to the owner, after a few days, the hair returns to grow. FL was also applied on 27 Mar

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											2018. No further information is available.
27-Mar-2018	UAE; 18BR002626; -; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	27-Mar-2018	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, 1 female Yorkshire of unknown signalment, received FRONTLINE PLUS DOG S (FL) (lot, exp date, route and location are unknown), applied by the reporter on 23 Mar 2018. Lack of efficacy is suspected because fleas were found on her pet 4 days post product application. In addition, the dog is scratching itself. There is another dog in this household with the same issue (see case 18BR002627). This is the extent of the information available.
27-Mar-2018	UAE; 18BR002627; -; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	27-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, 1 female Yorkshire of unknown signalment, received FRONTLINE PLUS DOG S (FL) (lot, exp date, route and location are unknown), applied by the reporter on 23 Mar 2018. The owner believes that FL is not working because her pet is scratching itself. No ectoparasites were reported. There is another dog in this household with similar issue (see case 18BR002626). This is the extent of the information available.
27-Mar-2018	UAE; 18BR002631; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 1.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** PO-Oral **Was the product used ok?:** Unknown to Company	N/A	02-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Jake, unknown age, 1.8 kilogram, canine, male, Pinscher, received a pipette of FRONTLINE® (FL) (lot, exp date, route and site of administration unknown), applied by an unknown person on an unspecified date (1 Jan 2018 – date chosen at random), for flea/tick treatment. The owner complained about the lack of efficacy of FL because according to her, it has no effect. There is also another dog who received FL and had a similar problem (see case 18BR002632). The owner also complained about the lack of efficacy of NEXGARD® (see cases 18BR002598, 18BR002629 and 18BR002630). No further information is available.
27-Mar-2018	UAE; 18BR002632; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** PO-Oral **Was the product used ok?:** Unknown to Company	N/A	02-Jan-2018*	N/A	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Francisca, unknown age, 3 kilogram, canine, female, Pinscher, received a pipette of FRONTLINE® (FL) (lot, exp date, route and site of administration unknown), applied by an unknown person on an unspecified date (1 Jan 2018 – date chosen at random), for flea/tick treatment. The owner complained about the lack of efficacy of FL because according her, it has no effect. There is also another dog who received FL and had a similar problem (see case 18BR002631). The owner also complained about the lack of efficacy of NEXGARD® (see cases 18BR002598, 18BR002629 and 18BR002630). No further information is available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
28-Mar-2018	UAE; 18BR002633; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Tony, a male medium crossbred dog of 10 years old and 20 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 27 Mar 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The environment has been treated with amitraz and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002634 and 18BR002635. No further information is expected.
28-Mar-2018	UAE; 18BR002634; SP; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Poly, a female Poodle of 12 years old and 9 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 27 Mar 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The environment has been treated with amitraz and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002633 and 18BR002635. No further information is expected.
28-Mar-2018	UAE; 18BR002635; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	28-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Gatinho, a male medium crossbred dog of 9 years old and 15 kg, received one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 27 Mar 2018, for flea/tick treatment. Lack of efficacy is suspected because the pet remains with ectoparasites. The environment has been treated with amitraz and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002633 and 18BR002634. No further information is expected.
28-Mar-2018	UAE; 18BR002636; SP; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 16.00 Month(s) **Weight:** 11 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	26-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, FRONTLINE did not work. UPDATE 28 MAR 2018 – The pet owner was contacted and she reported that Mike, a 16-month-old, 11 kg, male crossbred dog, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on Jan 2018 (25 Jan 2018 chosen at random), and on 25 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. FRONTLINE is usually applied every 3 months, with no issues (first dose on date not specified – 1 Jul 2017 chosen at random). There is no further information expected.
22-Mar-2018	UAE; 18BR002637; BA; Brazil	**Species:** Canine **Breed:** Poodle	1	1	0	**Product used:** FIPRONIL SPOT ON DOG	01-Jan-2017*	20-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, more than one dog of unknown signalment were treated with FRONTLINE, however the product did not work.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		(Standard) **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 15 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					UPDATE 28 MAR 2018 – The pet owner reported that Cristal, a 4-year-old, 15 kg, female Poodle, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 19 Mar 2018, for flea treatment. Flea infestation prior to FL, environment not treated. FRONTLINE was applied to the dog in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2017 chosen at random). 2 other dogs of the same household that are also on FL were reported on 18BR002532 and 18BR002638. No further information is available.
22-Mar-2018	UAE; 18BR002638; BA; Brazil	**Species:** Canine **Breed:** Poodle (Standard) **Sex:** F **Sex qualifier:** Unknown **Age:** 12.00 Month(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	20-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As initially reported by the pet owner via e-mail, more than one dog of unknown signalment were treated with FRONTLINE, however the product did not work. UPDATE 28 MAR 2018 – The pet owner reported that Lala, a 12-month-old, 15 kg, female Poodle, was treated with one vial of FRONTLINE SPOT-ON DOGS M (FL) (lot and exp unknown), topic, base of skull and btw the shoulder blades, by the reporter, on 19 Mar 2018, for flea treatment. Flea infestation prior to FL, environment not treated. FRONTLINE was applied to the dog in the past with no issues (dose frequency unknown and first application on date not specified – 1 Jul 2017 chosen at random). 2 other dogs of the same household that are also on FL were reported on 18BR002532 and 18BR002637. No further information is available.
27-Mar-2018	UAE; 18BR002639; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	27-Mar-2018*	26 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female cat of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Mar 2018 - chosen at random). Lack of efficacy is suspected because the pet remains with fleas. There is one dog in this household with similar issue (See case 18BR002640). No further information is expected.
27-Mar-2018	UAE; 18BR002640; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	27-Mar-2018*	26 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female dog of unknown signalment, received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on date not specified (1 Mar 2018 - chosen at random). Lack of efficacy is suspected because the pet remains with ticks. There is one cat in this household with similar issue (See case 18BR002639). No further information is expected.
28-Mar-2018	UAE; 18BR002641; SP; Brazil	**Species:** Canine **Breed:** Pomeranian **Sex:** F	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	28-Mar-2018*	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maeli, a female Pomeranian of 8 years old and 1.6 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Unknown **Age:** 8.00 Year(s) **Weight:** 1.6 kg				9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					on 20 Mar 2018, for flea control. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and it is unknown if FL has previously been applied . No further information is expected.
28-Mar-2018	UAE; 18BR002643; RS; Brazil	**Species:** Canine **Breed:** Boxer **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Off label use / Indication)	20-Mar-2017*	26-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Sanson, 5 years old, 30 kilogram, canine, male, Boxer, received approximately 1/3 from a pipette of FRONTLINE SPOT-ON XL (FL) (lot and exp date unknown, topically and site of application unknown), applied by the owner on 20 Mar 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, she already split a pipette before (20 mar 2017 – date chosen at random). The environment has not been treated. There are another 2 dogs in the same household with similar problem (see cases 18BR002644 and 18BR002645). No further information is available.
28-Mar-2018	UAE; 18BR002644; RS; Brazil	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Off label use / Indication)	20-Mar-2017*	26-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Sapeca, 7 years old, 12 kilogram, canine, female, Mixed Breed, received approximately 1/3 from a pipette of FRONTLINE SPOT-ON XL (FL) (lot and exp date unknown, topically and site of application unknown), applied by the owner on 20 Mar 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, she already split a pipette before (20 mar 2017 – date chosen at random). The environment has not been treated. There are another 2 dogs in the same household with similar problem (see cases 18BR002643 and 18BR002645). No further information is available.
28-Mar-2018	UAE; 18BR002645; RS; Brazil	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 17.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Off label use / Indication)	20-Mar-2017*	26-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Preta, 17 years old, 5 kilogram, canine, female, Poodle, received approximately 1/3 from a pipette of FRONTLINE SPOT-ON XL (FL) (lot and exp date unknown, topically and site of application unknown), applied by the owner on 20 Mar 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, she already split a pipette before (20 mar 2017 – date chosen at random). The environment has not been treated. There are another 2 dogs in the same household with similar problem (see cases 18BR002643 and 18BR002644). No further information is available.
28-Mar-2018	UAE; 18BR002646; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Unknown **Age:** 4.00 Year(s)	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical /	N/A	16-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Maia,4 years old, 4.5 kilogram, canine, female, Lhasa Apso, received FRONTLINE SPRAY 100 mL(FL)(lot 002/17 and exp date unknown, topically, in the whole body), applied by the reporter in the middle of february (15 Feb 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy because she continues to see fleas in her pet. The environment

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Weight: 4.5 kg				Cutaneous **Was the product used ok?:** Yes					has not been treated. There is no further information available.
26-Mar-2018	UAE; 18BR002647; PR; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	26-Mar-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Lili, a female small crossbred dog of 5 years old and 7 kg, was treated with one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter around 2 weeks ago (14 Mar 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002594, 18BR002648, 18BR002649 and 18BR002650. No further information is available.
26-Mar-2018	UAE; 18BR002648; PR; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	26-Mar-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Pipoca, a female small crossbred dog of 1 year old and 7 kg, was treated with one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter around 2 weeks ago (14 Mar 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002594, 18BR002647, 18BR002649 and 18BR002650. No further information is available.
26-Mar-2018	UAE; 18BR002649; PR; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	N/A	26-Mar-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Fiona, a female small crossbred dog of 1 year old and 7 kg, was treated with one vial of FRONTLINE SPOT-ON DOG S (FL) (lot and exp date are unknown, topical, back - incorrect application), applied by the reporter around 2 weeks ago (14 Mar 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002594, 18BR002647, 18BR002648 and 18BR002650. No further information is available.
26-Mar-2018	UAE; 18BR002650; PR; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	26-Mar-2018*	12 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Peludinho, a male medium crossbred dog of 3 years old and 10 kg, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp date are unknown, topical, back - incorrect

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 10 kg				9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					application), applied by the reporter around 2 weeks ago (14 Mar 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with an unknown product and it is unknown if FL has previously been applied. Similar cases were reported on 18BR002594, 18BR002647, 18BR002648 and 18BR002649. No further information is available.
27-Mar-2018	UAE; 18BR002652; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	20-Mar-2018*	17 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, Mimi, a female mixed breed cat of 3 years old and 2 kg, received one vial FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 3 Mar 2018, for flea control. Lack of efficacy is suspected because the owner noticed some fleas on the pet 20 days post product application. The environment has not been treated and FL has been applied every 2 months (first application was not provided - 1 Jan 2017 chosen at random). On 27 Mar 2018, one tablet was given and the pet has no fleas. No further information is expected.
29-Mar-2018	UAE; 18BR002654; PR; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 1.1 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017*	29-Mar-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner´s daughter, an unidentified cat, received 1 pipette of FRONTLINE PLUS CAT (FL) (lot, exp date, route and site of administration unknown), applied by an unknown person, approximately 2 weeks ago (15 Mar 2018 – date estimated), for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, she already used FL without issues. The environmental conditions are unknown. There is also a dog in the same household with similar problem (see case 18BR002655). No further information is available. UPDATE 29 MAR 2018 - The owner was contacted and reported that Nenê, a male Persian of 4 months old and 1.1 kg, received one vial of FL, topical, btw the shoulder blades, applied by the reporter on 16 Mar 2018. The environment has not been treated. No further information is expected.
29-Mar-2018	UAE; 18BR002655; PR; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2017*	29-Mar-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner´s daughter, an unidentified dog, received 1 pipette of FRONTLINE PLUS DOG® (FL) (lot, exp date, route and site of administration unknown), applied by an unknown person, approximately 2 weeks ago (15 Mar 2018 – date estimated), for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. According to the owner, she already used FL without issues. The environmental conditions are unknown. There is also a cat in the same household with similar problem (see case 18BR002654). No further information is available. UPDATE 29 MAR 2018 - The owner was contacted and reported that Luna, a female Yorkshire of 5 years old and 4.5 kg, received one vial of FL PLUS DOG S, topical, btw the shoulder blades, applied by the reporter on 16 Mar 2018. The environment has not been treated. No further information is expected.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
29-Mar-2018	UAE; 18BR002656; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Mar-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, an unidentified dog, received 1 pipette of FRONTLINE PLUS DOG® (FL) (lot, exp date, route and site of administration unknown), applied by the owner, 2 days ago (27 Mar 2018 – date estimated), for flea treatment. The owner complained about the lack of efficacy of FL because she continued to find fleas in her pet. No further information is available. UPDATE 29 MAR 2018 - The pet owner was contacted and reported that Max, a male Lhasa Apso of 9 months old and 5 kg, received one vial of FRONTLINE PLUS DOG S (topical, btw the shoulder blades), applied by the reporter on 26 Mar 2018. The environment has not been treated. No further information is expected. UPDATE 02 APR 2018 – The owner said via social media that the environment received treatment with an unidentified product but she continues to see fleas in her pet. Also the dog does not have contact with the street or another dogs. No further information is available.
29-Mar-2018	UAE; 18BR002669; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Luck, a male small crossbred dog of 2 years old and 5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (018/17, Mar 2019, topical, btw the shoulder blades), applied by the reporter one week ago (22 Mar 2018 - estimated date), for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and it is unknown if FL has previously been applied. No further information is expected.
29-Mar-2018	UAE; 18BR002674; SP; Brazil	**Species:** Canine **Breed:** Pinscher (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 1.8 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	26-Mar-2018	28-Mar-2018	2 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Dara, a female Pinscher of 7 years old and 1.8 kg, was treated, for the first time, with FRONTLINE SPRAY (FL) (002/16 and unknown exp date, topical, parts of the body - incorrect application), applied by the reporter on 26 Mar 2018, for flea control. Two days after product application, the dog presented with apathy and anorexia. No vet care was provided. The outcome is ongoing. There is another dog in this household that was also treated with FL and it has no issue. No further information is available.
27-Mar-2018	UAE; 18BR002675; -; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 20.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	23-Mar-2018	26-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Cici, a female mixed breed cat of 20 years old and 6 kg, received, for the first time, one vial of FRONTLINE PLUS CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 23 Mar 2018. Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin weekly. Today (29 Mar 2018), the owner was contacted and she also complained about the lack of efficacy of FRONTLINE SPOT-ON CATS (See case 18BR002705). This is the extent of the information available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: Yes					
28-Mar-2018	UAE; 18BR002677; SC; Brazil	**Species:** Canine **Breed:** Retriever (Golden) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** FIPRONIL POUR-ON; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, 2 unidentified, canines, Golden Retrievers, received 01 pipette of FRONTLINE SPOT-ON DOGS ® (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on the end of January (30 Jan 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because after 20 days (20 Feb 2018 - estimated date) she found fleas in her pet. The environment has been treated with COLOSSO®. There are another 76 dogs in the same household with similar problem (see cases 18BR002678 to 18BR002681). The owner also applied TOPLINE RED in all 78 dogs after the FL suspected lack of efficacy (21 Feb 2018 - date chosen at random) and also complained about the lack of efficacy, since the fleas remained in her dogs. According to the owner, she applied FL based on the animals weight. No further information is available.
28-Mar-2018	UAE; 18BR002678; SC; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** FIPRONIL POUR-ON; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, an unidentified, canine, Pi Bull, received 01 pipette of FRONTLINE SPOT-ON DOGS ® (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on the end of January (30 Jan 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because after 20 days (20 Feb 2018 - estimated date) she found fleas in her pet. The environment has been treated with COLOSSO®. There are another 77 dogs in the same household with similar problem (see cases 18BR002677 and 18BR002679 to 18BR002681). The owner also applied TOPLINE RED in all 78 dogs after the FL suspected lack of efficacy (21 Feb 2018 - date chosen at random) and also complained about the lack of efficacy, since the fleas remained in her dogs. According to the owner, she applied FL based on the animals weight. No further information is available.
28-Mar-2018	UAE; 18BR002679; SC; Brazil	**Species:** Canine **Breed:** Mastiff **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** FIPRONIL POUR-ON; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, an unidentified, canine, Brazilian Mastiff, received 01 pipette of FRONTLINE SPOT-ON DOGS ® (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on the end of January (30 Jan 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because after 20 days (20 Feb 2018 - estimated date) she found fleas in her pet. The environment has been treated with COLOSSO®. There are another 77 dogs in the same household with similar problem (see cases 18BR002677, 18BR002678, 18BR002680 and 18BR002681). The owner also applied TOPLINE RED in all 78 dogs after the FL suspected lack of efficacy (21 Feb 2018 - date chosen at random) and also complained about the lack of efficacy, since the fleas remained in her dogs. According to the owner, she applied FL based on the animals weight. No further information is available.
28-Mar-2018	UAE; 18BR002680; SC; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** -	25	25	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** FIPRONIL POUR-ON; **Route:** Topical /	N/A	22-Feb-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, around 25 unidentified, canine, male, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS ® (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on the end of January (30 Jan 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because after 20 days (20 Feb 2018 - estimated date) she

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		Weight: Unknown				Cutaneous **Was the product used ok?:** Yes					found fleas in her pet. The environment has been treated with COLOSSO®. There are another 53 dogs in the same household with similar problem (see cases 18BR002677 to 18BR002679 and 18BR002681). The owner also applied TOPLINE RED in all 78 dogs after the FL suspected lack of efficacy (21 Feb 2018 - date chosen at random) and also complained about the lack of efficacy, since the fleas remained in her dogs. According to the owner, she applied FL based on the animals weight. No further information is available. .
28-Mar-2018	UAE; 18BR002681; SC; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	49	49	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** FIPRONIL POUR-ON; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, around 53 unidentified, canine, female, Mixed Breed, received 01 pipette of FRONTLINE SPOT-ON DOGS ® (FL) (lot and exp date unknown, topically, between the shoulder blades), applied by the owner on the end of January (30 Jan 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy of FL because after 20 days (20 Feb 2018 - estimated date) she found fleas in her pet. The environment has been treated with COLOSSO®. There are another 25 dogs in the same household with similar problem (see cases 18BR002677 to 18BR002680). The owner also applied TOPLINE RED in all 78 dogs after the FL suspected lack of efficacy (21 Feb 2018 - date chosen at random) and also complained about the lack of efficacy, since the fleas remained in her dogs. According to the owner, she applied FL based on the animals weight. No further information is available. UPDATE 12 APR 2018 - The correct number of unidentified female canines is 49 not 53. No further information is available.
29-Mar-2018	UAE; 18BR002682; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Year(s) **Weight:** 8.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** -	N/A	10-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Yoshi, a 4-year-old, 8.5 kg, male Lhasa Apso, was treated with one vial of FRONTLINE PLUS DOG S (FL) (014/17, exp unknown), applied 'according to the product instructions' (topic, between the shoulder blades), by the reporter, on 9 Mar 2018, for flea prevention. Lack of efficacy suspected because the dog is currently infested by fleas. Environment treated with Butox and K-Othrine, outdoor access. It is unknown if FRONTLINE was applied to the dog in the past. There is no further information available.
29-Mar-2018	UAE; 18BR002683; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2012*	16-Feb-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, 2 female dogs of unknown signalment were treated with FRONTLINE PLUS DOGS (size, lot and exp unknown), by the reporter, last month (15 Feb 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dogs continued to have fleas. Flea infestation prior to FL, environmental factors unknown. FRONTLINE was applied to the dogs in the past 6 years with no issues (dose frequency unknown and first application on date not specified – 1 Jan 2012 chosen at random). This is the extent of the information available.
29-Mar-2018	UAE; 18BR002684; SP; Brazil	**Species:** Canine **Breed:** Dachshund	2	1	0	**Product used:** FIPRONIL 10%/S	01-Jul-2005*	16-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Menino, a 13-year-old, 11 kg, male Dachshund, was treated with one vial of FRONTLINE PLUS DOG M (FL) (lot and exp unknown),

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		Sex: M **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 11 kg				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					topic, base of skull and btw the shoulder blades, by the reporter, on 15 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation one day prior to FL, environment treated with Butox. FRONTLINE has been applied since 2005 with no issues (dose frequency unknown and first application on date not specified – 1 Jul 2005 chosen at random). There is a cat in the same household that is on FRONTLINE PLUS CATS, and is not infested by fleas. No further information is available. UPDATE 2 APR 2018 – According to the owner since 22 Mar 2018 his wife and daughter are taking out the fleas from the dog and his animals dont go out for walks on the street. The owner´s daughter said that Menino got fleas after a walk on the park (14 Mar 2018 – estimated date) and FL was applied on the next day. No further information is available.
29-Mar-2018	UAE; 18BR002685; SP; Brazil	**Species:** Canine **Breed:** Basset Hound **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 19 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Dalila, a 7-year-old, 19 kg, female Basset Hound, was treated with unknown dose of FRONTLINE SPRAY (FL) (003/17, exp unknown), topic, whole body, by the reporter, on 21 Mar 2018, for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. Flea infestation 3 days prior to FL. Environment treated with Butox. It is unknown if FRONTLINE was applied to the dog in the past. One cat of the same household that is also on FL was reported on 18BR002686. No further information is available.
29-Mar-2018	UAE; 18BR002686; SP; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Month(s) **Weight:** 3 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	21-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Max, a 5-month-old, 3 kg, male mixed breeds cat, was treated with unknown dose of FRONTLINE SPRAY (FL) (003/17, exp unknown), topic, whole body, by the reporter, on 21 Mar 2018, for flea treatment. Lack of efficacy suspected because the cat continued to have fleas. Flea infestation 3 days prior to FL. Environment treated with Butox. It is unknown if FRONTLINE was applied to the cat in the past. One dog of the same household that is also on FL was reported on 18BR002685. No further information is available.
27-Mar-2018	UAE; 18BR002687; SP; Brazil	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 6.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2017*	27-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Chicó, a male Lhasa Apso of 13 years old and 6.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, neck - incorrect application), applied by the reporter on 16 Mar 2018, for tick control. Lack of efficacy is suspected because the pet remains with ticks. The environment has been treated with deltamethrin and FL was applied in the past with no issue (dose frequency is unknown and first administration was not provided - 1 Jan 2017 chosen at random). No further information is expected.
29-Mar-2018	UAE; 18BR002688;	**Species:** Feline **Breed:** Feline	1	1	0	**Product used:** FIPRONIL	N/A	29-Mar-2018*	6 Day(s)	D-D	Suspected Lack of Efficacy claim : As reported by the owner, Nini, 3 years old, 3 kilogram, feline, female, Mixed Breed, received 1

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
	SP; Brazil	mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 3 kg				10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					pipette of FRONTLINE PLUS CAT (FL) (lot 021/16, exp date, route and site of administration unknown), applied by the owner, on 23 Mar 2018, for flea treatment. The owner complained about the lack of efficacy of FL because she continues to find fleas in her pet . According to the owner , animal already had fleas 1 week prior to treatment. The environment has not been treated. No further information is available.
28-Mar-2018	UAE; 18BR002690; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018*	28-Mar-2018*	12 Week(s) 2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, Gustavo, a male Persian of 11 months old and unknown weight, received, for the first time, one vial of FRONTLINE SPOT-ON CATS (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 2 months ago (1 Jan 2018 - estimated date). Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin monthly. The owner also complained about the lack of efficacy of FRONTLINE PLUS DOG S (see case 18BR002691). No further information is expected.
28-Mar-2018	UAE; 18BR002691; SP; Brazil	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Unknown **Age:** 11.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Species not indicated / recommended)	24-Mar-2018	28-Mar-2018*	4 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Gustavo, a male Persian of 11 months old and unknown weight, received, for the frist time, one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades, specie not recommended), applied by the reporter around 2 months ago (1 Jan 2018 - estimated date). Lack of efficacy is suspected because the pet remains with fleas. The environment has been treated with deltamethrin monthly. The owner also complained about the lack of efficacy of FRONTLINE SPOT-ON CATS (see case 18BR002690). No further information is expected.
29-Mar-2018	UAE; 18BR002692; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Mar-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bianca, a female Maltese of 2 years old and 3.5 kg, received one vial of FRONTLINE PLUS DOG S (FL) (018/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 6 Mar 2018, for flea control. Lack of efficacy is suspected because the pet has fleas. The environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR002693). No further information is expected.
29-Mar-2018	UAE; 18BR002693; SP; Brazil	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	29-Mar-2018*	23 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Shanty, a female Maltese of 22 months old and 4 kg, received one vial of FRONTLINE PLUS DOG S (FL) (018/17 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 6

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Unknown **Age:** 22.00 Month(s) **Weight:** 4 kg				9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					Mar 2018, for flea control. Lack of efficacy is suspected because the pet has fleas. The environment has not been treated and it is unknown if FL has previously been applied. There is another dog in this household with the same issue (see case 18BR002692). No further information is expected.
29-Mar-2018	UAE; 18BR002696; -; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Feb-2018*	29-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 3 dogs of unknown signalment, received FRONTLINE PLUS (FL) (unsubstantiated) (lot, exp date, route, location are unknown), applied by the reporter on 1 Mar 2018 (chosen at random), for flea/tick treatment. Lack of efficacy is suspected because the dogs remain with ectoparasites. The environment has been treated with an unknown product and FL was applied on date not specified with the same issue (1 Feb 2018 - chosen at random). The owner also complained about the lack of efficacy of FRONTLINE SPRAY (FL) (see case 18BR002697). No further information is expected.
29-Mar-2018	UAE; 18BR002697; -; Brazil	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Feb-2018*	29-Mar-2018*	4 Week(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, 3 cats of unknown signalment, received FRONTLINE SPRAY (FL) (unsubstantiated) (lot, exp date, route, location are unknown), applied by the reporter on 1 Mar 2018 (chosen at random), for flea/tick treatment. Lack of efficacy is suspected because the dogs remain with ectoparasites. The environment has been treated with an unknown product and FL was applied on date not specified with the same issue (1 Feb 2018 - chosen at random). The owner also complained about the lack of efficacy of FRONTLINE PLUS (FL) (see case 18BR002696). No further information is expected.
29-Mar-2018	UAE; 18BR002698; RJ; Brazil	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Month(s) **Weight:** 17 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	29-Mar-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Princesa, a female Pit Bull of 11 months old and 17 kg, received one vial of FRONTLINE PLUS DOG M (FL) (004/16 and unknown exp date, topical, btw the shoulder blades), applied by the reporter on 27 Mar 2018, for flea control. Lack of efficacy is suspected because the pet has fleas. The environment has been treated with deltamethrin and it is unknown if FL has previously been applied. No further information is expected.
29-Mar-2018	UAE; 18BR002700; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	01-Jan-2016*	29-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Nina, a female small crossbred dog of 6 years old and 8 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 26 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and FL was applied in the past with no issue (1 Jan 2016 - chosen at random). Similar cases were reported on 18BR002701 and 18BR002702. The owner also reported an

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						Cutaneous **Was the product used ok?:** Yes					adverse reaction after product application (see case 18BR002703). No further information is expected.
29-Mar-2018	UAE; 18BR002701; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	29-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bobi, a male small crossbred dog of 6 years old and 8 kg, received one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter on 26 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and FL was applied in the past with no issue (1 Jan 2016 - chosen at random). Similar cases were reported on 18BR002700 and 18BR002702. The owner also reported an adverse reaction after product application (see case 18BR002703). No further information is expected.
29-Mar-2018	UAE; 18BR002702; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	01-Jan-2016*	29-Mar-2018*	3 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Bili, a male small crossbred dog of 14 years old and 5 kg, received 'half' dose of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades, off label - low dose), applied by the reporter on 26 Mar 2018, for flea treatment. Lack of efficacy is suspected because the pet remains with fleas. The environment has not been treated and FL was applied in the past with no issue (1 Jan 2016 - chosen at random). Similar cases were reported on 18BR002700 and 18BR002701. This dog also experienced an adverse reaction after product application (see case 18BR002703). No further information is expected.
29-Mar-2018	UAE; 18BR002703; SP; Brazil	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** M **Sex qualifier:** Unknown **Age:** 14.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	01-Jan-2016*	26-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner, Bili, a male small crossbred dog of 14 years old and 5 kg, received 'half' dose of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades, off label - low dose), applied by the reporter on 26 Mar 2018, for flea treatment. One hour after product application, the pet presented with vomiting, nausea, apathy and staggering. The pet was not taken to the vet and the current status is unknown. FL was applied in the past with no issue (1 Jan 2016 - chosen at random). The owner also complained about the lack of efficacy of FL (See cases 18BR002700, 18BR002701 and 18BR002702). This is the extent of the information available.
29-Mar-2018	UAE; 18BR002705; -; Brazil	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Unknown **Age:** 20.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	20-Feb-2018	01-Mar-2018*	9 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner, Cici, a female mixed breed cat of 20 years old and 6 kg, received, for the first time, one vial of FRONTLINE SPOT-ON CAT (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 45 days ago (20 Feb 2018 - estimated date). Lack of efficacy is suspected because the pet remains with fleas. The environment was treated with deltamethrin weekly. The owner also complained about the lack of efficacy of FRONTLINE PLUS CATS (See case 18BR002675). This is the extent of the information available.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
31-Mar-2018	UAE; 18BR002711; MG; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	31-Mar-2016	31-Mar-2018*	8 Week(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, an unidentified female, canine, received a dose of FRONTLINE SPRAY 250 mL (FL)(lot 015/16, exp date, route and site of administration unknown) applied by the owner approximately 2 months ago (31 Jan 2018 – estimated date), for flea treatment. The owner complained about the lack of efficacy, because his animal continues with fleas after FL use. According to the owner, his pet got fleas after she returned from the Petshop and he was unable to control the environment infestation. The owner already used FL a few years ago (31 Mar 2016 - date chosen at random), without issues. There is no further information available.
31-Mar-2018	UAE; 18BR002714; BA; Brazil	**Species:** Canine **Breed:** Akita **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00 Month(s) **Weight:** 25 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	10-Dec-2017*	31-Mar-2018*	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, an unidentified female, canine, received 1 pipette of FRONTLINE PLUS DOG® (FL)(lot, exp date, route and site of administration unknown) applied by the owner approximately 2 months ago (31 Jan 2018 – estimated date), for flea/tick control. The owner complained about the lack of efficacy, because her animal had tick-borne disease. According to the owner, she did not saw any ticks in her pet. There is no further information available. UPDATE Keiko, 11 months old, 25 kilogram, canine, female, Akita, received 1 pipette of FRONTLINE PLUS DOG L (FL). According to the owner she applied FL approximately 3 weeks ago (13 Mar 2018 – estimated date) before a travel and 2 weeks after her return, the animal presented inappetence. Keiko was taken to the veterinary and a snap test for erlichiosis was performed, with a positive result. The DVM told the owner that even with FL, ticks could bite Keiko and transmit the disease. The owner already used FL in the past with no issues (10 Dec 2017 – date chosen at random). No further information is available.
31-Mar-2018	UAE; 18BR002715; -; Brazil	**Species:** Canine **Breed:** Dalmatian **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	10-Oct-2017*	31-Mar-2018*	3 Week(s)	D-D	Suspected Lack of Efficacy Claim: as reported by the owner, an unidentified number of females, canine, Dalmatian, received a pipette of FRONTLINE® (FL)(lot, exp date, route and site of administration unknown) applied by the owner on an unspecified date (10 Mar 2018 – date chosen at random), for flea/tick control. The owner complained about the lack of efficacy, because one of her dogs got tick-borne disease. According to the owner, she has been using FL for 5 months. There is no further information available.
30-Mar-2018	UAE; 18BR002733; RS; Brazil	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Mar-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, more than one Yorkshire Terrier of unknown signalment were treated with FRONTLINE SPRAY (FL) (lot and exp unknown), by the reporter, on date not specified (15 Mar 2018 chosen at random), for flea treatment. Lack of efficacy suspected because the dogs continued to have fleas. This is the extent of the information available.

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31-Mar-2018	UAE; 18BR002741; PR; Brazil	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	12-Mar-2018*	1 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the pet owner via e-mail, one dog of unknown signalment was treated with one vial of FRONTLINE PLUS DOGS (size, lot and exp unknown), by the reporter, 20 days ago approximately (presumed 11 Mar 2018), for flea treatment. Lack of efficacy suspected because the dog continued to have fleas. This is the extent of the information available.
08-Mar-2018	UAE; 18CH000015; Bern 9; Switzerland	**Species:** Canine **Breed:** Boston Terrier **Sex:** M **Sex qualifier:** Unknown **Age:** 1.20 Year(s) **Weight:** 8.6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	30-Jul-2017	01-Aug-2017*	2 Day(s)	D-C	Suspected Adverse Event: case received from national authority on 08 Mar 2018 (initial reporter: owner) and by the MAH (by the owner). A male Boston Terrier dog, 1.2 years old, 8.6 kg, in good health condition, was treated with FRONTLINE COMBO (BN, exp date unknown, product unsubstantiated) administered topically by the owner on 30 Jul 2017. 32 hours after the administration, the dog experienced vomitus (10 times in 8h), apathy, anorexia, increased respiratory frequency, on the 7th day onset of a head tremor for 3 weeks. Afterwards the dog got Nexgard by the vet, orally,and reacted, please refer to case 18CH000017. In summer the owner suspected FRONTLINE for the vomitus and the head tremor. The dog completely recovered. Note: it is reported by CA that the case was reported by the owner and was rather confuse especially regarding the link between Frontline Combo and Nexgard.
01-Feb-2018	UAE; 18CL000002; chile; Chile	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** age unknown **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Off label use / Indication)	24-Jan-2018	24-Jan-2018*	0 Day(s)	D-D	As reported by pet owner,name unknown, age unknown, weight unknown, canine, breed unknown, reproductive status unknown,in good health status, received FRONTLINE SPOT ON DOGS, batch unknown, expiry date unknown,topical route, location and dose unknown administered by unknown on 24 January 2018(approx. date) for flea control. The owner reported that the product had no effect and the dog still have fleas. The owner had used the product before with good results OWNER STATES DOG WAS BATHED THE DAY BEFORE THE APPLICATION.
06-Feb-2018	UAE; 18CL000003; -; Chile	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 10 kg	-	-	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	22-Jan-2018*	22-Jan-2018	0 Day(s)	D-D	As reported by pet owner, Venus, age unknown, 4 kilograms,female, reproductive status unknown. Mixed breed, presenting severe itching and Canela age 3 years, 10 kilograms, female, reproductive status unknown, Mixed breed, both received Frontline Plus size unknown, a pipette per animal, batch unknown, expiry unknown, topically, location unknown, on 22 January 2018 approve. After product administration both animal persist with severe itching. A BI technician talked with the owner, it is unknown if environment treatment exists.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
23-Feb-2018	UAE; 18CL000006; -; Chile	**Species:** Canine **Breed:** Small crossbred (<10 Kg) **Sex:** F **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 5 kg	-	-	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	15-Feb-2018	15-Feb-2018	0 Day(s)	D-D	As reported by pet owner, she applied Frontline Spray, batch R00801A, expiry Jan/2020, topically,on 15 January 2018 approx. to her three dogs on 15-02-2018 for fleas treatment (no ticks presented): Cindy,female crossbread, 13 years old, 09 kg, neutered, received 20 puffs of FRONTLINE SPRAY ; Diana, female crossbread, 03 years old, 05 kg, neutered, received 15 puffs of FRONTLINE SPRAY, SAM,male poodle toy ,04 months old, 02,5 kg, intact, received 07 puffs of FRONTLINE SPRAY The owner reported that the product had no effect and the dogs still have fleas. The dogs were not bathed 48 hrs prior/after FRONTLINE SPRAY application. Fleas decreased by 17-02-2018 but more fleas reappeared on 18-02-2018 up to date. Pet owner lives in a house with a small garden, completely cemented. the dogs expends all day indoor. Pet owner received proper guidance of FRONTLYNE SPRAY use according to pet weight's and long of the hair and informed that she can repeat the treatment within a week more and highlighted not to bath within 48 hours prior/ after FRONTLINE SPRAY application
04-Jan-2018	UAE; 18DE000003; -; Germany	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** X **Sex qualifier:** Unknown **Age:** - **Weight:** 2.5 - 4 kg*	2	2	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	14-Dec-2017*	15-Dec-2017*	N/A	D-D	suspect LOE: As reported by the animal owner 2 Persian cats (male 4 kg; female 2.5 kg; no more details) were treated once topically with 1 ampule FRONTLINE SPOT ON KATZE (MA no. FRONTLINE SPOT-ON K Germany 400082.00.00 Boehringer Ingelheim Vetmedica GmbH) respectively by the animal owner about 3 weeks ago (14 Dec 2017 was set as best guess) because of flea infestation. 3 weeks later there were still alive fleas on the cats. The environment of the cats was treated with a steam cleaner and vacuum cleaner, no chemical treatment. Both cats live strictly indoors.
25-Jan-2018	UAE; 18DE000051; -; Germany	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	2018*	20-Jan-2018*	N/A	D-D	suspect LOE: a unknown cat has been in the household since 8 years and during this time it has ´always been treated with FRONTLINE and everything was fine´. With a new package of FRONTLINE COMBO the cat showed flea infestation. After using another (unknown) product the fleas infestation stopped. No more details about concrete product, weight of the cat, application dates, frequency, treatment of environment etc.. MAH comment: as no concrete dates are given Start date 20 Jan 2018 was set by default. NCA update received on 02 Feb 2018: Authority's assessment added.
08-Feb-2018	UAE; 18DE000095; -; Germany	**Species:** Canine **Breed:** Schnauzer **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous	15-Nov-2017*	16-Nov-2017*	N/A	D-D	As reported by the staff of a pharmacy a unknown medium sized Schnauzer was treated once topically with 1 dosage form FRONTLINE SPOT ON 20-40 kg (MA no: 400081.02.00; batch no. M21819AR, expiry date 06/18) mid Nov 2017. Unknown time later the dog showed pruritus and irritation at the application site. No more details. (MAH comment: AE Start date was set best guess. Additional information: the dog is from the same owner as DEU-BIAHPV1P-18DE000096 (siblings, according to reporter) and the case was reported from the same external reference as

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						Was the product used ok?: Unknown to Company					DEU-BIAHPV1P-18DE000097, cases are linked.)
08-Feb-2018	UAE; 18DE000096; -; Germany	**Species:** Canine **Breed:** Dachshund **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	15-Nov-2017*	16-Nov-2017*	N/A	D-D	As reported by the staff of a pharmacy a unknown Dachshund was treated once topically with 1 dosage form FRONTLINE SPOT ON 10-20 kg (MA no: 400081.01.00; batch no. M23129AX, expiry date 10/18) mid Nov 2017. Unknown time later the dog showed pruritus and irritation at the application site. No more details. (MAH comment: AE Start date was set best guess. Additional information: the dog is from the same owner as DEU-BIAHPV1P-18DE000095 (siblings, according to reporter) and the case was reported from the same external reference as DEU-BIAHPV1P-18DE000097, cases are linked.)
08-Feb-2018	UAE; 18DE000097; -; Germany	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	15-Nov-2017*	16-Nov-2017*	N/A	D-D	As reported by the staff of a pharmacy a unknown cat was treated once topically with 1 dosage form of FRONTLINE SPOT ON KATZE (MA no: 400082.00.00; batch no. P21817DX, expiry date 10/19) mid of November 2017. Unknown time later the cat showed skin irritation and pruritus at the application site (MAH comment: AE start date 16 Nov 2017 was set best guess). No more details. Same reporter as DEU-BIAHPV1P-18DE000095 and DEU-BIAHPV1P-18DE000096, cases are linked.
28-Feb-2018	UAE; 18DE000155; -; Germany	**Species:** Canine **Breed:** Border Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	22-Apr-2015	01-Oct-2015*	N/A	D-B	As reported by the attending vet the own female Border Terrier (born 27 Nov 2011, no more details) was treated with FRONTLINE COMBO (no more details) on following dates: 22 Apr 2015, 16 Jun 2015, 5 Aug 2015, 10 Sep 2015 and 22 Oct 2015; 5 Jan 2016, 16 Feb 2016, 13 Apr 2016, 25 May 2016, 12 Jul 2016, 24 Sep 2016 and 3 Nov 2016. The dog had the first seizure beginning of Oct 2015 (details: ´average episode 2-5 minutes, dog was aware and conscious, the whole body was involved, wobbly on legs, ataxia (coded as ataxia), muscle spasms and tremor (coded as muscle tremor), twisting head and neck (coded as wry neck), licking movements (coded as lip licking), able to keep standing, partly vomiting, owner can´t stop the episode, no noise can be heard from tummy (coded as decreased gut sound)). In Aug 2016 2 seizures within short time, on 20 Oct 2016 was the last seizure. Since stopping flea and tick prophylaxis there were no more seizures. The vet assumes also genetic reasons known for this breed (CECS), but no diagnostics were done so far. Follow-up (15 Mar 2018): As the given FRONTLINE COMBO strength was not reported, FRONTLINE COMBO SPOT ON DOGS M (MA no: 400725.01.00) was chosen by best guess. No new data.
22-Mar-2018	UAE; 18DE000236; -; Germany	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Neutered	2	1	1	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** Duphamox;	20-Mar-2018*	21-Mar-2018	N/A	D-A	As reported by the attending vet a male neutered indoor living cat (4 years and 8 months old, 4.9 kg body weight) was brought to the vet on 16 Mar 2018 because of a´ thick lip´ and was treated with Duphamox s.c. and Amoxi-Clav tablets for 5 days. On 21 Mar 2018 the cat was brought to the vet because of inappetence and hypersalivation and was treated with Sucralfat. After asking the

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 4.70 Year(s) **Weight:** 4.9 kg				Sucralfat; Cerenia; Amoxi-Clav tablets; Phenobarbital; Infusion; **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					owner mentioned, that the two cats in the household were treated once topically with 1 ampule of FRONTLINE SPOT ON CAT (FRONTLINE SPOT-ON K Germany 400082.00.00 Boehringer Ingelheim Vetmedica GmbH, batch no- P21817BX, expiry date Apr 2019) because of flea infestation the day before (was not completely sure about date). In the afternoon of 21 Mar 2018 the cat was brought to the vet again because of still being inappetent and showing mydriasis (the owner reported onset of symptoms about 12 hours after the administration of Frontline, which seems inconsistent with data reported from the vet) and was treated with Cerenia and Duphamox. The partner animal showed no symptoms but it can´t be ruled out, that the patient was licking the partner animal, so oral intake is possible. The cat was brought to a vet-clinic on 22 Mar 2018 still showing hypersalivation, mydriasis, coordination imbalances (i.e. circling) and seizures. Blood parameters were within normal range, only mild hyperglycemia was present. The cat was treated with Phenobarbital and infusion. On 25 Mar 2018 the cat died during a seizure. No necropsy, no more details. MAH comment: As the information about the cat's serious signs were only reported on 03 Apr 2018, this case deemed serious on 03 Apr 2018.
28-Jan-2018	UAE; 18DK000005; -; Denmark	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4.0-7.0 kg	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Dip **Was the product used ok?:** Unknown to Company	20-Nov-2017	20-Nov-2017	<2 Minutes	D-D	DK-DKMA-V20180003: 20-11-2017 two cats are treated with Frontline Combo Vet Spot On, due to fleas. The owner vacuums their home and washes blankets and the cats baskets in a washing machine. 21- 11-2017 the owner notices that the fleas are still present and are still detectable the following days. Treatment is repeated approximately 4 weeks later (18-12-2018). The owner hasn't detected any reaction to the administration. Since the cats still have flees on 02-01-2018 treatment with Frontline is terminated and owner starts using another product.
21-Jan-2018	UAE; 18DK000009; -; Denmark	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** M **Sex qualifier:** Neutered **Age:** 1 year and 3 months **Weight:** 5.9 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Jan-2018	06-Jan-2018*	1 months	D-D	The 1 years and 3 months old neutered male Maine coon mix cat, weight 5.9 kgs, was treated with Frontline pour-on vet, batch no P22005DX, 1 pipet was put on the skin in the neck between the shoulders on 05 JAN 2018. Approximately 20 hours later the cat got a reaction: the cat developed alopeci at the application site and was more itchy than before the treatment. The reaction lasted approximately 1 month and the reaction was not treated. The cat has recovered. The owner also treated her other cat, which also reacted. Please see case 18DK000013.
21-Jan-2018	UAE; 18DK000013; -; Denmark	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** - **Age:** 1 year and 3 months **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	05-Jan-2018	06-Jan-2018*	N/A	D-D	The 1 years and 3 months old female Maine coon mix cat, weight 4 kgs, was treated with FRONTLINE pour-on vet, batch no P22005DX, 1 pipet was put on the skin in the neck between the shoulders on 05 JAN 2018. Approximately 20 hours later the cat got a reaction: the cat developed alopeci at the application site and was more itchy than before the treatment. The reaction lasted approximately 1 month and the reaction was not treated. The cat has recovered. The cat is concimitant treated with birth control pills (type and dose is unknown). The owner also treated her other cat, which also reacted. Please see case 18DK000009.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
27-Feb-2018	UAE; 18DK000020; -; Denmark	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** 0.50 Year(s) **Weight:** Unknown	2	1	1	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	25-Feb-2018*	26-Feb-2018*	1 Day(s)	D-A	The 0.5-1 years old cat (breed, gender and weight unknown) was treated with Frontline Combo, batch no P41408PL, on 25 FEB 2018. Approximately 1 day later the cat was found dead out in the Volier. There was not observed any symptoms before the cat was found dead. The owner also treated her other cat and this cat did not showed any symptoms and is doing fine. The cat was sent for autopsy. Autopsy performed by University of Copenhagen: The skin was removed form the cat and beneath there was found severe subcutaneous bleeding on the hindpart special on the left thigh and hip and right leg below the hock. At the same place as the bleeing there was found 4 perforations going through skin and muscle. There was found two acute fractures on the hip and hindleg. Diaphragma was found ruptured and part of the liver was dislocated ventral to the heart and lungs. Conclusion: The changes are consistent with the fact that the cat is dead as result of severe trauma. Perforation of the skin and the caudal localization indicate that he cat has been bitten by a larger animal.
23-Mar-2018	UAE; 18DK000024; -; Denmark	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 9.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** other **Was the product used ok?:** Yes	16-Mar-2018	18-Mar-2018	<=48 hours	D-D	DK-DKMA-V20180145: 16-03-2018 a 9 year old cat weighing 4 kg was treated for fleas and biting lice using 0,5 ml of Frontline Combo Vet. 2 days later on the 18-03-2018 the cat presents with general hairloss and magnified sensitivity to being tuched. The cat has been treated with the product before where the same reaction was present. At the time the owner reports the reaction on the 19-03-2018 it is still on going.
22-Mar-2018	UAE; 18DK000029; -; Denmark	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 10.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** Melaflon; **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	Jan-2018	16-Mar-2018*	0 Day(s)	D-D	On 22-MARCH-2018 it was reported that a female neutered domestic shorthair cat, born 01-MAY-2018 of normal weight was treated for fleas with Frontline (product unsubstantiated), dosage unknown, in JAN-2018. Third dosage was given 16-MARCH-2018. App. two months after first treatment on 16-MARCH-2018, after third treatment the reaction appeared which included dermatitis on ears and begining dermatitis in neck area and ulcers. Three weeks before the date of report (estimated date 01-MARCH-2018) the cat was treated with a German product (Melaflon) without any effect. The cat is still in treatment for the reaction: 0.2 ml depomedrol (methylprednisolon), 0.5 ml Baytril (enrofloxacin) , 0.5 ml Noromox (amoxicillin) and 0.2 ml FMP. The attending veterinarian reports that the fleas are still present. 24.04.2018 follow-up received from DMA: addition of the VeDDRA term "Pinnae disorder", updated Follow-up date and reapproved the case.
22-Mar-2018	UAE; 18DK000030; -; Denmark	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	Nov-2017	Nov-2017*	N/A	D-D	An approximately 2-year old domestic shorthair cat of unknown sex and weight was treated with Frontline (product unsubstantiated), unknown dosage from NOV-2017 and three month forward for fleas. A reaction of dermatitis appeared approximately 14 days after administration of Frontline and the cat was treated with: 0.2 ml depomedrol (methylprednisolon), 0.5 ml Baytril (enrofloxacin) , 0.5 ml Noromox (amoxicillin) and 0.2 ml FMP.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: Unknown to Company					
08-Jan-2018	UAE; 18ES000011; Pontevedra; Spain	**Species:** Feline **Breed:** European **Sex:** M **Sex qualifier:** Unknown **Age:** 10.00 Year(s) **Weight:** Unknown	1	1	1	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	24-Nov-2017	24-Nov-2017	N/A	D-A	Suspected adverse event: as reported by attending vet, a 10 year old male European cat received Frontline Combo for cats (unknown batch) on the 24 November 2017. It was the first time the cat was visited in this vet hospital. It lived in Pairs and hab never been treated agains fleas and ticks before. The cat goes to the vet hospital and shows scabs on its skin, facial pruritus and also fleas. It also receives Milpro (Milbemycin oxime + Praziquantel) and corticoids (dexametasone 2 days of duration IM 0.5 mg/kg). 15 minutes after product administration it starts breathing with difficulty, vomiting, and showing orthopedic posture and open mouth. The cat dies. Necropsy is highly suggestive of adverse reaction to a medicine.
03-Jan-2018	UAE; 18ES000040; -; Spain	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2018	03-Jan-2018	N/A	D-D	Suspected Adverse Event: As reported by the owner, a cat received FRONTLINE SPRAY administered by the owner on 01JAN2018. About 2 days after product administration the animal experienced no efficacy because it is still infested. NCA COMMENTS 23-01-2018: VeDDRA term updated. CA changed to Probable. Administration product date corrected.
21-Feb-2018	UAE; 18ES000153; Barcelona; Spain	**Species:** Feline **Breed:** Russian Blue **Sex:** M **Sex qualifier:** Unknown **Age:** 4.00 Month(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Otic **Was the product used ok?:** No (Contraindication per label)	18-Dec-2017	19-Feb-2018	9 Week(s)	D-B	Suspected adverse event: as reported by attending vet, a 4kg, 4 month old, male, Blue Russian cat received 0.2ml of Frontline Spray (unknown batch) via otic, administered by attending vet on the 18th Dec 2017 due to ear discharge and mites. This cat had come to the vet on the 13th Dec 2017 due to otitis and soft stool and it had been administered an oral antiparasitic and otimectin locally. On the 19th Dec the cat is taken to out of service hospital because it experiences apathy, fever, trembling, nystagmus and vestibular disorder. It is hospitalized during 2-3 days. Currently the cat still shows vestibular disorder. The vet is aware of the misuse of the product but he had already used it several times for this indication and had never had problems.
08-Jan-2018	UAE; 18FR000007; -; France	**Species:** Rabbit **Breed:** Rabbit (unknown) **Sex:** U **Sex qualifier:** - **Age:** 8.00 Month(s) **Weight:** 1.7 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Species not indicated / recommended)	25-Nov-2017	26-Nov-2017	1 Day(s)	D-D	FR-ANMV-17 CPVL 01593: D0: rabbit administered with FRONTLINE SPOT ON CHAT. D1: it displayed anorexia. D3: brought to vet. Rabbit washed and treated with fluid therapy. Duration of reaction: < or = 48 hours. Duration of reaction (precision): Ongoing (2 days). Reason for treatment: Preventive. Treatment of SAR: Washed and fluid therapy. Investigations: None. Outcome of SAR: Unknown. 1 pipette; duration: Once; onset time: 1 day.
09-Jan-2018	UAE; 18FR000010;	**Species:** Feline **Breed:** European	1	1	0	**Product used:** FIPRONIL	10-Nov-2017	11-Nov-2017	1 Day(s)	D-D	FR-ANMV-17 ANMV 02412: A 5-year-old European cat was applied 1 pipette FRONTLINE COMBO SPOT-ON CHAT between

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
	-; France	**Sex:** M **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 5 kg				10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes					the shoulders on 10/11/2017. Within 24 hours hair loss was observed at the application site area. Case still ongoing one month later. Duration of reaction: > 1 month. Reason for treatment: preventive. 1 pipette; duration: once; onset time: 24 hours.
04-Jan-2018	UAE; 18FR000041; -; France	**Species:** Canine **Breed:** Terrier (Jack Russell) **Sex:** M **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	06-Dec-2017	04-Jan-2018	29 Day(s)	D-D	Suspected Lack of Efficacy: As reported by the animal's owner, Jaguar, a male Jack Russel Terrier dog, born on 11 JUN 2014, 12 kg, in good condition, received one pipette of FRONTLINE SPOT-ON CHIEN M (Batch: P20801BX, Exp. date: JUN 2019) administered by the owner in the neck on 06 DEC 2017 for flea treatment. 29 days after product administration, on 04 JAN 2018, the animal experienced a lack of efficacy with fleas still visible on the animal. No further information was available at the time of this report.
18-Jan-2018	UAE; 18FR000055; -; France	**Species:** Feline **Breed:** European **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes	26-Dec-2017*	02-Jan-2018*	1 Week(s)	D-D	FR-ANMV-18 CPVL 00082: December 2017: European cat applied with 1 pipette of FRONTLINE COMBO SPOT-ON CHAT. Within a few days, it displayed application site alopecia. Followed by spontaneous recovery within a few days. Duration of reaction: < or = 14 days. Duration of reaction (precision): a few days. Reason for treatment: ectoparasites. Treatment of SAR: none. Outcome of SAR: Favorable. 1 pipette; duration: once; onset time: a few days.
15-Jan-2018	UAE; 18FR000057; -; France	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Neutered **Age:** 7.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	13-Dec-2017	13-Dec-2017*	N/A	D-D	Suspected Lack of Efficacy: As reported by the animal's owner, Ernestine, a spayed female tricolor cat, born on APR 2010, in good condition, received one pipette of FRONTLINE COMBO CHAT (Batch: R40203FW, Exp. date: JAN 2020) administered topically between the shoulders by the owner between 13 DEC 2017 and 02 JAN 2018 for flea treatment (it lived before in a house with a garden). After product administration (unknown time to onset), the animal experienced a lack of efficacy with fleas still visible on the animal. No further information was available at the time of this report.
15-Jan-2018	UAE; 18FR000058; -; France	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** -	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other	12-Sep-2017	12-Sep-2017	N/A	D-D	Suspected Lack of Efficacy: As reported by the animal's owner, a male dog (unknown signalement) received 4 pipettes of FRONTLINE COMBO SPOT-ON CHIEN S (Batch and exp. date: unknown) administered by the owner between 12 SEP and 12 DEC 2017. After product administration (unknown time to onset), the animal experienced a lack of efficacy with fleas still visible on the animal. No further information was available at the time of this

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Weight: Unknown				products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					report.
17-Jan-2018	UAE; 18FR000059; -; France	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	14-Jan-2018	14-Jan-2018	0 Day(s)	D-D	Suspected Lack of Efficacy: As reported by the animal's owner, a male cat (unknown signalment) received one pipette of FRONTLINE COMBO SPOT-ON CHAT (Batch and Exp. date: unknwon) administered by the owner on 14 JAN 2018 for tick treatment (the animal was covered by ticks before treatment). After product administration (unknown time to onset), the animal experienced a lack of efficacy with ticks still visible on the animal . No further information was available at the time of this report.
06-Feb-2018	UAE; 18FR000157; -; France	**Species:** Feline **Breed:** European **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Year(s) **Weight:** 2.8 kg	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Sep-2017	01-Oct-2017*	N/A	D-D	FR-ANMV-18 ANMV 00074: The vet reported that 2 cats from the same household were treated for a flea infestation with FRONTLINE COMBO SPOT-ON CHAT, one administration per month from 01/09/2017 to 01/01/2018, and that despite a proper administration by the owner, the treatment did not eliminate the fleas. Frontline combo was then replaced by Stronghold, and finally the fleas disappeared. Duration of reaction: 3 months. Reason for treatment: pullicosis.1 dose per month; duration: 4 months.
07-Feb-2018	UAE; 18FR000179; -; France	**Species:** Feline **Breed:** European **Sex:** F **Sex qualifier:** Neutered **Age:** 6.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** UNSPECIFIED PRODUCT; **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	08-Oct-2017	08-Oct-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy: As reported by the animal's owner, Batman, a 6-year-old spayed female European cat, 5 kg, received one pipette of FRONTLINE COMBO SPOT-ON CHAT(Batch: R40116BW , Exp. date: DEC 2019) administered by the owner topically in the neck on 08 OCT 2017 for flea treatment. After product administration (unknown time to onset), in OCT 2017, the animal experienced a lack of efficacy with fleas still visible on the animal. No further information was available at the time of this report. Note: it was reported that another product (unspecified) was administered before or concomitantly (unspecified date) with FRONTLINE COMBO SPOT ON CHAT.
24-Feb-2018	UAE; 18FR000248; -; France	**Species:** Canine **Breed:** Beauceron Sheep Dog **Sex:** U **Sex qualifier:** - **Age:** -	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	01-Feb-2018*	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy: As reported by the animal's owner, a Beauceron puppy, 15 kg, received FRONTLINE COMBO SPOT-ON CHIEN M (Batch and exp. date: unknown) on an unknown date (01 FEB 2018 was chosen by default). After product administration (unknown time to onset), the animal experienced a lack of efficacy with fleas still visible on the animal . No further

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Weight: 15 kg				**used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					information was available at the time of this report.
01-Mar-2018	UAE; 18FR000267; -; France	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** - **Age:** 2.50 Month(s) **Weight:** 1.3 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** other **Was the product used ok?:** Yes	16-Feb-2018	17-Feb-2018	1 Day(s)	D-B	FR-ANMV-18 CPVL 00234: D0 at 10:00 PM: cat applied with 1 pipette of FRONTLINE SPOT ON CHAT. D1 at 04:30 AM: animal found apathetic.. At vet clinic, examination revealed bradycardia (unknown frequency) associated with severe hypothermia (32°C), pallor and hypoglycaemia (unknown value). Duration of reaction: < or = 6 hours. Duration of reaction (precision): ongoing (75 minutes). Reason for treatment: Curative: ectoparasites. Treatment of SAR: Washing. Glucose (bolus). Investigations: ? Outcome of SAR: Unknown. FRONTLINE SPOT ON CHAT () : 1 pipette; duration: once; onset time: < 6,5 hours.
01-Mar-2018	UAE; 18FR000270; -; France	**Species:** Rabbit **Breed:** Dwarf **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** 1.2 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Species not indicated / recommended)	18-Feb-2018	21-Feb-2018*	3 Day(s)	D-C	FR-ANMV-18 CPVL 00270: D0: Dwarf Lop rabbit was administered with 2 drops of FRONTLINE COMBO SPOT-ON CHIEN M. A few days later, it displayed adipsia. D8: it dispalyed one epileptic fit, followed by head tilt and hypersalivation. Spontaneous recovery of this crisis within 1 hour. No observed signs at vet examination. Duration of reaction: < or = 7 days. Duration of reaction (precision): Ongoing (A few days). Reason for treatment: Preventive. Outcome of SAR: Unknown. FRONTLINE COMBO SPOT-ON CHIEN M () : 2 drops; duration: Once; onset time: A few days.
02-Mar-2018	UAE; 18FR000274; -; France	**Species:** Other **Breed:** Rat **Sex:** M **Sex qualifier:** - **Age:** 1.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Species not indicated / recommended)	23-Feb-2018	23-Feb-2018	0 Day(s)	D-D	FR-ANMV-18 ANMV 00475: A 1-year-old rat affected with generalised pruritus has been treated with FRONTLINE SPRAY POMPE 0.5 ML, 3 pressures once on the whole body on 23-FEB-2018. Less than 30 minutes later, the rat displayed bloody sneezing. it was treated with inhalation of PERUBORE (essential oils). Recovery on 24-FEB-2018. Note: the rat has been followed for chronic rhinitis since October 2017. Reason for treatment: curative. Full dosage text: FRONTLINE SPRAY POMPE 0.5 ML () : 3 pulverisations; duration: once;MAH note 05 Mar 2018: ANMV informed that this case is a duplicate of case FR-ANMV-18 CPVL 00263 (18FR250): Phonecall before vet examination (few precisions on clinical signs, unexact chronology...). D0 evening or D1 morning: rat administered with FRONTLINE SPRAY POMPE (several sprays). D1: it displayed sneezing with blood (coded as haemoptysis). Note: this rat was followed by vet for cough for months/year. Frequent treatments with both antibiotic and corticoids. Duration of reaction: < or = 6 hours. Duration of reaction (precision): Ongoing (a few hours). Reason for treatment: Preventive. Treatment of SAR: Not yet performed. Investigations: None. Outcome of SAR: Unknown. FRONTLINE SPRAY POMPE () : several FRsprays; duration: Once; onset time: A few hours.

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05-Mar-2018	UAE; 18FR000297; -; France	**Species:** Feline **Breed:** European **Sex:** F **Sex qualifier:** Neutered **Age:** 20.00 Year(s) **Weight:** 2 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	24-Feb-2018	04-Mar-2018	8 Day(s)	D-D	Suspected Lack of Efficacy: As reported by the animal's owner, Pelotte, a 20-year-old spayed female European cat, 2 kg, in good condition but infested with fleas, received one pipette of FRONTLINE SPOT-ON CHAT (Batch and exp. date: unknown) administered by the owner between the shoulders on 24 FEB 2018 for flea treatment. 8 days after product administration, on 04 MAR 2018, the animal experienced a lack of efficacy with fleas still visible on the animal. The animal's owner intended to continue the treatment in order to eradicate the fleas. No further information was available at the time of this report. This case is linked with the cases 18FR0298 and 18FR0299: non-serious SLOE after administration of the same product to two other cats from the same household.
05-Mar-2018	UAE; 18FR000298; -; France	**Species:** Feline **Breed:** European **Sex:** F **Sex qualifier:** Neutered **Age:** 15.00 Year(s) **Weight:** 3.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	24-Feb-2018	04-Mar-2018	8 Day(s)	D-D	Suspected Lack of Efficacy: As reported by the animal's owner, Shiva, a 15-year-old spayed female European cat, 3.5 kg, in good condition but infested with fleas, received one pipette of FRONTLINE SPOT-ON CHAT (Batch and exp. date: unknown) administered by the owner between the shoulders on 24 FEB 2018 for flea treatment. 8 days after product administration, on 04 MAR 2018, the animal experienced a lack of efficacy with fleas still visible on the animal. The animal's owner intended to continue the treatment in order to eradicate the fleas. No further information was available at the time of this report. This case is linked with the cases 18FR0297 and 18FR0299: non-serious SLOE after administration of the same product to two other cats from the same household.
05-Mar-2018	UAE; 18FR000299; -; France	**Species:** Feline **Breed:** European **Sex:** F **Sex qualifier:** Neutered **Age:** 18.00 Year(s) **Weight:** 4.000 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	24-Feb-2018	04-Mar-2018	8 Day(s)	D-D	Suspected Lack of Efficacy: As reported by the animal's owner, Isis, a 18-year-old spayed female European cat, 4 kg, in good condition but infested with fleas, received one pipette of FRONTLINE SPOT-ON CHAT (Batch and exp. date: unknown) administered by the owner between the shoulders on 24 FEB 2018 for flea treatment. 8 days after product administration, on 04 MAR 2018, the animal experienced a lack of efficacy with fleas still visible on the animal. The animal's owner intended to continue the treatment in order to eradicate the fleas. No further information was available at the time of this report. This case is linked with the cases 18FR0297 and 18FR0298: non-serious SLOE after administration of the same product to two other cats from the same household.
12-Mar-2018	UAE; 18FR000327; -; France	**Species:** Feline **Breed:** European **Sex:** F **Sex qualifier:** Neutered **Age:** 9.00 Year(s) **Weight:** 3.5-4 kg	1	1	1	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	03-Mar-2018	03-Mar-2018	0 Day(s)	D-A	FR-ANMV-18 ANMV 00503: A 9-year-old cat has been treated monthly with 1 pipette of FRONTLINE COMBO SPOT-ON CHAT without any adverse reactions reported. On 03-MAR-2018 at about 1:00 pm, the cat went outside after application of the pipette. The cat stayed lying up to 2:30 pm when it began to present signs of poisoning: hypersalivation, vocalisation, ataxia, discomfort and then death at 3:30 pm. No necropsy performed. Reason for treatment: Preventive.
14-Mar-2018	UAE; 18FR000331;	**Species:** Rabbit **Breed:** Dwarf	1	1	0	**Product used:** FIPRONIL	07-Mar-2018	09-Mar-2018	2 Day(s)	D-C	FR-ANMV-18 CPVL 00336: D0: Dwarf Lop rabbit applied with FRONTLINE COMBO SPOT-ON CHAT (purchased by

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	-; France	**Sex:** M **Sex qualifier:** - **Age:** 2.00 Month(s) **Weight:** 0.5 kg				10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Species not indicated / recommended)					pharmacist). D2: it displayed convulsion. No mention of appetite disorder. Duration of reaction: < or = 6 hours. Duration of reaction (precision): ongoing (a few hours). Reason for treatment: preventive. Outcome of SAR: Unknown. FRONTLINE COMBO SPOT-ON CHAT () : 1 pipette; duration: Once; onset time: < 48 hours
22-Mar-2018	UAE; 18FR000384; -; France	**Species:** Feline **Breed:** European **Sex:** M **Sex qualifier:** - **Age:** 3.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	21-Feb-2018	25-Feb-2018	4 Day(s)	D-D	FR-ANMV-18 CPVL 00312: D0: European adult cat applied with 1 pipette of FRONTLINE SPOT ON CHAT. D4: it began to display ataxia. Note : no tremors. D7 : vet examination. Still ataxic. Duration of reaction: < or = 7 days. Duration of reaction (precision): ongoing (3 days). Reason for treatment: fleas. Treatment of SAR: none. Investigations: Otitis. Outcome of SAR: Unknown. FRONTLINE SPOT ON CHAT () : 1 pipette; duration: once; onset time: 4 days.
25-Jan-2018	UAE; 18NL000015; -; Netherlands	**Species:** Canine **Breed:** Chihuahua **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Aug-2017*	25-Dec-2017*	N/A	D-D	As reported by the pet owner, the dogs Jonas (Shih Tzu, a neutered male, approximately 15 years old, approximately 5 kg, Cato (Chihuahua, intact female, 2 years old, approximately 2.5 kg) and Ramses (Chihuahua, intact male, 6 months old, approximately 3 kg) received FRONTLINE SPOT ON HOND S (batch nr and expiry date unknown), topically in the neck, administered by the owner, monthly for more than 3 months. Start date is fictional. After the administration in December 2017 the owner noticed that the dogs were scratching themselves more than usual and a few fleas were observed on Cato and later also on Jonas. Also after the last administration in January 2018 occasionally a few fleas were detected on the dogs. Owner expects lack of efficacy.
31-Jan-2018	UAE; 18NL000022; -; Netherlands	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** F **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 22.4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Others)	03-Nov-2017*	05-Nov-2017*	2 Day(s)	N/A	As reported by the owner the dog Rosie (Crossbred, neutered female, 4 years old, 22.4 kg) FRONTLINE COMBO HOND L (batch no and expiry date unknown) topically on multiple spots between the neck and the tail base, administered by the owner in the first week of November 2017. The dog experienced pruritus at the application sites, exact start date unknown. Approximately a week later the dog was examined by the attending veterinarian and redness at all application sites was observed. Superficial skin lesions, probably due to self-trauma, were visible on the spot just before the tail base. All sites were shaved and treated with Dog Eczema. The lotion was applied daily. The dog recovered completely within 4 weeks.
30-Jan-2018	UAE; 18NL000023; -; Netherlands	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON	26-Jan-2018	28-Jan-2018*	2 Day(s)	D-D	As reported by the pet owner, the cat Izzy (Domestic Shorthair, a neutered female, date of birth 20052016, weight unknown) received FRONTLINE COMBO SPOT ON KAT (Batch no and expiry date unknown), topically between the shoulders, on 26012018 after fleas were observed on the cat. Every day fleas

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		Sex qualifier: Neutered **Age:** 20.00 Month(s) **Weight:** Unknown				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					were observed on the cat. On advice of a veterinary technician Vectra (active ingredients Dinotefuran and Pyriproxyfen) was applied on 30012018. A few days later the cat was flea free. The cat has outdoor access. In the summer of 2017 the cat was treated with FL with good results. Owner expects lack of efficacy.
07-Feb-2018	UAE; 18NL000027; -; Netherlands	**Species:** Feline **Breed:** Ragdoll **Sex:** F **Sex qualifier:** - **Age:** 4.50 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Oct-2017*	04-Nov-2017*	20 Day(s)	D-D	As reported by the owner the cat Zora (Ragdoll, intact female, 4.5 years, weight unknown received FRONTLINE COMBO KAT (batch nr R40102AW, expiry date 122019) topically between the shoulders, administered by the owner in November 2017. Approximate 2.5 weeks after this application Zora became aggressive and attacked multiple times one of the other 2 cats in the household. Zora was separated from the others cats. Gradually the cats were kept together longer and longer in the same room, but only under supervision of the owner. The aggressive behavior of Zora gradually decreased. Since two weeks the cats are fulltime in the same room and no aggression has been seen since then. This was the first time that the cat received FL Combo Kat. The cats have no outdoor access.
23-Mar-2018	UAE; 18NL000048; -; Netherlands	**Species:** Canine **Breed:** Shetland Sheep Dog (Sheltie) **Sex:** F **Sex qualifier:** - **Age:** 2.50 Year(s) **Weight:** 6.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Mar-2018	19-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: As reported by the pet owner the dog Pink (Sheltie, intact female, 2.5 years old, 6.5 kg) received FRONTLINE COMBO HOND S (Batch nr and expiry date unknown) administered by the owner topically in the neck on 18032018. The next day the dog was quieter than normal. 3 Days later her behavior was as usual. On 22032018 the dog experienced general pruritus and reddening and small crusts mainly on the application site but also on the midline of the back were observed. According to the owner the dog has had no access to the application site. On advice of the veterinarian honey ointment was applied on the biggest spots. Last contact with owner on 28032018: itching is less, small crusts still there.
07-Jan-2018	UAE; 18NZ000001; -; New Zealand	**Species:** Feline **Breed:** Domestic Longhair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** 8.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Dec-2017	19-Dec-2017	N/A	D-D	As reported by the owner she treated her 8 month old Domestic Long Hair cat with FRONTLINE Plus for Cats (FLP) on 19 December 2017 and again on 30 December 2017 as she was still seeing fleas on the cat, about 4-5 at a time. Prior to December the cat had been on Revolution monthly and she had not had any problems with fleas then. She treated the cat with Revolution at the beginning of January 2018 and she has not seen any fleas since. The cat has unlimited access outdoors.
09-Jan-2018	UAE; 18NZ000005; -; New Zealand	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	01-Jan-2017*	27-Dec-2017*	0 Day(s)	D-D	As reported by the owner she treated her 3 dogs with FRONTLINE Plus on approximately 27 December 2017. One dog weighs under 10kg and was on FRONTLINE Plus for Small Dogs, one dog weighs 15kg and was on FRONTLINE Plus for Medium Dogs, and one dog weighs 45kg and was on FRONTLINE Plus for Extra Large Dogs. It is the 15kg male dog that has continued to have lots of fleas since treatment. The owner is seeing about 12 at a time on him. The dogs all have access both indoors and outdoors. There is

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						Route: Topical / Cutaneous **Was the product used ok?:** Yes					no apparent household infestation and the owner says she treats all the animals for fleas every month. There are also two cats in the house that are treated with FRONTLINE Plus for Cats although they don't seem to have any fleas.
08-Jan-2018	UAE; 18NZ000006; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** - **Age:** - **Weight:** 4.5 kg*	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Oct-2017	20-Oct-2017	N/A	D-D	As reported by the owner, his 2 cats domestic short hair cats weighing approximately 4.5kg were treated with FRONTLINE PLUS for Cats (Batch P41302B, Exp: Oct 2019) topically on 8 January 2017. Previous treatment dates were 20 October and 4 December 2017. The owner was seeing approximately 23 fleas on the cats during October but no flea product was applied before this date. Both cats have been chewing a lot around their tail base and the owner is still seeing fleas on them.
09-Jan-2018	UAE; 18NZ000007; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** - **Age:** 11.00 Month(s) **Weight:** -	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017	01-Dec-2017	N/A	D-D	As reported by the owner, her 11 month old domestic shorthair cat (weight and name unknown) was treated with FRONTLINE PLUS FOR CATS (unknown batch and expiry) on 1 December 2017 and 3 January 2017. The exact date of the previous doses was unknown but was at least 8 weeks prior. The owner is seeing 3-4 fleas on the cat. The owner was getting flea bites but this has now stopped.
08-Jan-2018	UAE; 18NZ000008; -; New Zealand	**Species:** Feline **Breed:** - **Sex:** - **Sex qualifier:** - **Age:** - **Weight:** -	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015	01-Nov-2017*	N/A	D-D	As reported by the owner, FRONTLINE PLUS For Cats (unknown batch and expiry) was applied to to her 3 cats (details unknown) at 3-4 week intervals. The owner had recently renovated her house. In November she was seeing at least 40 fleas on the cats. Recently the owner has changed to a different flea product is no longer seeing any fleas on the cats.
09-Jan-2018	UAE; 18NZ000009; -; New Zealand	**Species:** Canine **Breed:** - **Sex:** U **Sex qualifier:** - **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	28-Dec-2017*	28-Dec-2017	0 Day(s)	D-D	As reported by te pet owner, a 2 year old, approximatley 55kg, male neutered labrador cross dog (name unknown) was treated with FRONTLINE PLUS LARGE DOG (batch P62108BR and expiry 08/19) on approximately 28 December 2017. This is the second time the product had been applied to the dog. Within a day of application, the dog was pruritic and mostly scratching down the sides of his body. There was no alopecia or skin scabs. The dog is still moderately pruritic but has not been seen by a veterinarian. A similar reaction was seen the first time the product was applied. The dog has a history of skin rashes.

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						product used ok?: Unknown to Company					
10-Jan-2018	UAE; 18NZ000010; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** - **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Jan-2018	08-Jan-2018	N/A	D-D	As reported by the owner, two 4month old domestic short hair kittens were treated with FRONTLINE PLUS FOR CATS (unknown batch and expiry) on 8 January 2017. The kittens had been in the household since they were 8 weeks of age and one had fleas on it before the product was applied. This was the first time the product had been applied to the kittens. There is also one dog in the household which has been treated once with a flea product. All animals have many fleas on them.
14-Jan-2018	UAE; 18NZ000015; -; New Zealand	**Species:** Feline **Breed:** - **Sex:** F **Sex qualifier:** - **Age:** 6.00 Month(s) **Weight:** 4 kg*	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	17-Dec-2017	17-Dec-2017	N/A	D-D	As reported by the owner, FRONTLINE PLUS For Cats (unknown batch and expiry) was applied to an approximately 4kg, 6 month old female cat on 17 December 2017 and 22 December 2017. This is the first time the cat had been treated with FRONTLINE PLUS and the cat had fleas on its coat at the time of treatment. Currently, the owner is still seeing approximately 2-4 fleas on the cats each day and the owner's son is also covered in flea bites on his legs.
15-Jan-2018	UAE; 18NZ000018; -; New Zealand	**Species:** Feline **Breed:** - **Sex:** F **Sex qualifier:** - **Age:** 15.00 Month(s) **Weight:** -	-	-	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2015*	N/A	N/A	D-D	As reported by the owner, FRONTLINE PLUS For Cats (unknown batch and expiry) was applied topically to 2 cats, 16 year old 'George' and 15 month 'Jess' by the owner on approximately 23 December 2017 and again on approximately 3 January 2018. The house was also treated with a flea bomb on 12 January 2017. According to the owner, the cats have been regularly treated every 5-6 weeks and they stayed in a cattery during September. The property is in a rural area surrounded by bush vegetation. Currently, the owner is seeing approximately 4 fleas on the cats.
17-Jan-2018	UAE; 18NZ000020; -; New Zealand	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	13-Dec-2017	13-Dec-2017	N/A	D-D	As reported by the owner she treated her male cat with FRONTLINE Plus for Cats on 13 December 2017 and again on 11 January 2018 because she was still seeing fleas. She is seeing approximately 5-10 fleas at a time on the cat. Prior to December the cat was not treated at all for fleas during winter. The cat has unlimited access outdoors.

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18-Jan-2018	UAE; 18NZ000024; -; New Zealand	**Species:** Canine **Breed:** Shih Tzu **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** 7 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** -	29-Oct-2017	06-Jan-2018	0 Day(s)	D-D	As reported by the owner she treated her 7 kg Shih Tzu with FRONTLINE Plus for Small Dogs (FLP) on 29 October 2017 and 6 January 2018. Owner has been seeing flea dirt but no live fleas. Except when the dog was at the vets getting spayed on Friday they reported seeing lots of live fleas on the dog's belly. The owner has also been getting flea bites in the house. They flea bombed the house in October. There is also a cat in the house that currently has fleas too.
21-Jan-2018	UAE; 18NZ000027; -; New Zealand	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** F **Sex qualifier:** Neutered **Age:** 9.00 Year(s) **Weight:** 30.3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	10-Jan-2018	11-Jan-2018*	1 Day(s)	D-D	As reported by the veterinarian, 'Kara', a 9y 1m old de-sexed female German Shepherd weighing 30.30kg, was treated topically with FRONTLINE Plus for Large Dogs (Batch P62108, Expiry 08/2019) by the owner on 10th January 2018. Kara developed a localized superficial pyoderma at the application site around the dorsal neck (exact onset of pyoderma unknown) and was presented to the veterinarian on the 13th of January 2018. Kara was prescribed a course of cephalexin antibiotics and the area was clipped and cleaned with iodine. The dog has been treated with FRONTLINE Plus for dogs before with no issues or reactions. The owner treated another dog in the same household with FRONTLINE Plus for Dogs on the same date who had a similar superficial localized pyoderma at the application site and was presented to the same veterinarian on the 16th of January 2018. See linked case 18NZ000028. The dogs are due for a revisit with the veterinarian after the course of the antibiotics and this is the extent of the information available.
21-Jan-2018	UAE; 18NZ000028; -; New Zealand	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** M **Sex qualifier:** Neutered **Age:** 6.00 Year(s) **Weight:** 40.3 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	10-Jan-2018	11-Jan-2018*	1 Day(s)	D-D	As reported by the veterinarian, 'Kaizer', a 6y 1m old male neutered 40.30kg German Shepherd was treated topically with FRONTLINE Plus for large dogs (Batch P62108, Expiry 08/2019) by the owner on the 10th of January 2018. The dog had been treated with FRONTLINE Plus for dogs before with no issues or reactions. Kaizer developed a localized superficial pyoderma at the application site around the dorsal neck (exact date of pyoderma onset unknown) and was presented to the veterinarian on the 16th of January 2018. Kaizer was prescribed a course of cephalexin antibiotics and the site was clipped and cleaned with iodine. The owner treated another dog in the household with FRONTLINE Plus for Dogs on the same date who also had a similar localized superficial pyoderma at the application site and who received the same veterinary treatment but on the 13th of January 2018. See linked case 18NZ000027. The dogs are due for a revisit with the veterinarian and this is the extent of the information available.
25-Jan-2018	UAE; 18NZ000030; -; New Zealand	**Species:** Canine **Breed:** Terrier (Jack Russell) **Sex:** M **Sex qualifier:** Neutered **Age:** - **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	21-Jan-2018	21-Jan-2018	0 Day(s)	D-D	As reported by the owner she treated her 6kg, male neutered Jack Russell cross Fox Terrier with FRONTLINE Plus for Small Dogs (FLP) unknown batch and expiry, on Sunday 21 January 2018. She also applied FRONTLINE Plus for Cats (unknown batch and expiry) on her two cats, a female spayed British Blue weighing approximately 5kg and a male neutered Domestic Short Hair weighing approximately 3 kg. This was the first time the animals had been treated with FLP. The owner is seeing 3-5 fleas per day on the dogs but the cats appear to be unaffected. The owner was

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						Cutaneous **Was the product used ok?:** Yes					using another form of flea control (brand unknown) 3 weeks previously but switched to FLP as was still seeing fleas on the animals. According to the owner, all animals were treated 4 weekly year round with the other flea control product. All animals are indoor/outdoor and the owner has removed carpets recently. The owner's other dog also continued to have fleas after treatment with FLP, refer to case 18NZ00031.
25-Jan-2018	UAE; 18NZ000031; -; New Zealand	**Species:** Canine **Breed:** Bichon Frise **Sex:** M **Sex qualifier:** - **Age:** - **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	21-Jan-2018	21-Jan-2018	0 Day(s)	D-D	As reported by the owner she treated her 6kg, male Bichon cross Poodle with FRONTLINE Plus for Small Dogs (FLP) unknown batch and expiry, on Sunday 21 January 2018. She also applied FRONTLINE Plus for Cats (unknown batch and expiry) on her two cats, a female spayed British Blue weighing approximately 5kg and a male neutered Domestic Short Hair weighing approximately 3 kg. This was the first time the animals had been treated with FLP. The owner is seeing 3-5 fleas per day on the dogs but the cats appear to be unaffected. The owner was using another form of flea control (brand unknown) 3 weeks previously but switched to FLP as was still seeing fleas on the animals. According to the owner, all animals were treated 4 weekly year round with the other flea control product. All animals are indoor/outdoor and the owner has removed carpets recently. The owner's other dog also continued to have fleas after treatment with FLP, refer to case 18NZ00030.
29-Jan-2018	UAE; 18NZ000034; -; New Zealand	**Species:** Canine **Breed:** Fox Terrier **Sex:** X **Sex qualifier:** - **Age:** 3.00 Week(s) **Weight:** Unknown	6	6	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	12-Jan-2018*	12-Jan-2018*	0 Day(s)	D-D	As reported by the veterinary nurse, the owner had treated a litter of six 3 week old, mixed sex Fox Terrier puppies with FRONTLINE SPRAY on approximately 12 January 2018. Since treatment the owner has continued to see fleas on the puppies. It is unknown how many pumps of spray were given to each puppy or if they were even dosed correctly.
30-Jan-2018	UAE; 18NZ000040; -; New Zealand	**Species:** Feline **Breed:** Burmese **Sex:** F **Sex qualifier:** - **Age:** 4.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** -	26-Dec-2017	26-Dec-2017	N/A	D-D	As reported by the owner she treated her 4 month old, female Burmese kitten with FRONTLINE Plus for Cats (FLP) on 26 December 2017 and again on 16 January 2018 because she was still seeing fleas. The kitten goes indoors and outdoors and frequently goes under the house. The owner noticed that the kitten did have fleas when she first bought the kitten home. She has another adult Burmese cat in the house but has had no flea problems previously. The adult Burmese was treated with FLP at the same time as the kitten and does not appear to be getting fleas. The owner often sees hedgehogs in the garden and under the house.
30-Jan-2018	UAE; 18NZ000041; -; New Zealand	**Species:** Canine **Breed:** - **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	4	4	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	01-Jan-2016*	15-Jan-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS For Dogs (unknown batch and expiry) was applied to her four dogs (exact details unknown) topically on 15 January 2018. All of the dogs are scratching frequently around their tail base regions and she is seeing multiple fleas on them. The owner normally treats the dogs with the product once every 3 months. All of the dogs spend time in the garden and can access the region under the house.

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						Route: Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					
30-Jan-2018	UAE; 18NZ000042; -; New Zealand	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Dec-2017	18-Dec-2017	N/A	D-D	As reported by the owner she treated her male neutered, approximately 5 year old, Exotic Persian Charlie with FRONTLINE Plus for Cats (FLP) on 18 December 2017 and again on 8 January 2018 because she was still seeing fleas. Charlie has a thick dense coat and is an indoor and outdoor cat, often spending time in shady spots in the garden. There are no other pets in the household. The owner had seen a few fleas on Charlie prior to the December treatment and continued to see about 2-3 fleas a day and flea dirt and eggs following treatment. Owner has possible flea bites on herself also. Treatment history prior to December was described as 'regular' although exact dates were unknown.
31-Jan-2018	UAE; 18NZ000045; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 12.00 Year(s) **Weight:** 4.5 kg*	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** -	01-Jan-2017*	11-Jan-2018	0 Day(s)	N/A	As reported by the owners, FRONTLINE PLUS For Cats (unknown batch and expiry) was applied topically to two cats, 12 year old, male neutered, Domestic Short Hair Russell and 8 year old female spayed Domestic Short Hair Lucky, both approximately 4.5 kg, by the owners on approximately 11 January 2018. According to the owners, they have treated both cats every 3-4 weeks with FRONTLINE Plus all year round. They are seeing 20+ fleas a day on each cat when they are flea combed. They have used Advantage in previous years. Both cats are indoor/outdoor cats and there are no other animals in the household. The owners have not done any landscaping/renovations/or brought any second hand carpets or furniture into the house recently. They are vacuuming the house every two days, have distributed sawdust in suspected problematic areas in the garden, and have treated the house with a 'borer bomb' in the last few months. They report their cats don't have access underneath their house but it is possible they could access under their neighbor's house. They do not see much wildlife in the garden but it is possible.The second cat Lucky is on case 18NZ000046.
31-Jan-2018	UAE; 18NZ000046; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 4.5 kg*	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** -	01-Jan-2017*	11-Jan-2018	0 Day(s)	N/A	As reported by the owners, FRONTLINE PLUS For Cats (unknown batch and expiry) was applied topically to two cats, 12 year old, male neutered, Domestic Short Hair Russell and 8 year old female spayed Domestic Short Hair Lucky, both approximately 4.5 kg, by the owners on approximately 11 January 2018. According to the owners, they have treated both cats every 3-4 weeks with FRONTLINE Plus all year round. They are seeing 20+ fleas a day on each cat when they are flea combed. They have used Advantage in previous years. Both cats are indoor/outdoor cats and there are no other animals in the household. The owners have not done any landscaping/renovations/or brought any second hand carpets or furniture into the house recently. They are vacuuming the house every two days, have distributed sawdust in suspected problematic areas in the garden, and have treated the house with a 'borer bomb' in the last few months. They report their cats don't

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											have access underneath their house but it is possible they could access under their neighbor's house. They do not see much wildlife in the garden but it is possible.The second cat Russell is on case 18NZ000045.
29-Jan-2018	UAE; 18NZ000047; -; New Zealand	**Species:** Feline **Breed:** Persian (No Further Description) **Sex:** M **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 3.5 kg*	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Feb-2016	18-Jan-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS for Cats (unknown batch and expiry) was applied topically to a 3-4 kg, 8 year old MN Persian cat 'Angus' on 18 January 2018. According to the owner, Angus has been treated regularly every 6 weeks with FRONTLINE PLUS. The owner is seeing approximately 10x live fleas a day but is not being bitten herself. Angus mostly spends time indoors but has access to the outdoors. There are no other pets in the household and no wildlife has been seen in the garden.
31-Jan-2018	UAE; 18NZ000048; -; New Zealand	**Species:** Canine **Breed:** Bulldog **Sex:** X **Sex qualifier:** Unknown **Age:** - **Weight:** 25 kg	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2011*	18-Jan-2018*	0 Day(s)	N/A	As reported by the owner, FRONTLINE PLUS for Dogs (unknown batch and expiry) was applied topically to two 25 kg bulldogs, by the owner around the 18th January 2018. The owner has been using FRONTLINE PLUS on both of the dogs for over 7 years and has never had a problem with fleas before. The owner treats both dogs with FRONTLINE PLUS regularly every 3 months. The owner hasn't been bitten but is seeing about 20x live fleas on each dog per day and they are scratching. The owner has no other pets in the house. The owner has used a flea bomb in the house in the last few months. Both dogs have access to the garden. The owner reports her neighbours have a new dog.
31-Jan-2018	UAE; 18NZ000049; -; New Zealand	**Species:** Canine **Breed:** Poodle (Standard) **Sex:** F **Sex qualifier:** Unknown **Age:** 3.00 Year(s) **Weight:** 20 kg*	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	27-Jan-2018	27-Jan-2018	0 Day(s)	N/A	As reported by the owner, FRONTLINE PLUS for Medium Dogs (unknown batch and expiry) was applied topically to 3 year old female 20 kg Standard Poodle 'Renee' by the owner on 27 January 2018. The owner is seeing many live fleas on Renee. The owner is a dog breeder so has many dogs. It is unknown if these dogs were also treated with FRONTLINE PLUS for Dogs. The owner has never used any flea control in any of the dogs before. The owner had new carpets put in approximately three months ago.
04-Feb-2018	UAE; 18NZ000052; -; New Zealand	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	23-Jan-2018	23-Jan-2018	0 Day(s)	D-D	As reported by the owner, 3 cats were treated with FRONTLINE PLUS For Cats (batch and expiry unknown) by the owner on the 23rd of January 2018. According to the owner, the cats are treated 6 weekly with alternating FRONTLINE and Broadline Spot-On Solution for Cats or Advocate. The owner is still seeing many baby fleas on one of the cats and approximately two fleas on the other two cats. The owner is not getting bitten herself.

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						product used ok?: Yes					
04-Feb-2018	UAE; 18NZ000053; -; New Zealand	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Neutered **Age:** 14.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** -	01-Jan-2017*	29-Jan-2018*	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS For Cats (FLP), batch and expiry unknown, was applied topically to a 14 year old female spayed cat weighing 6 kg by the owner on approximately the 29th January 2018. Prior to January the owner says she treats the cat with FLP every 6 weeks all year round. The owner is still seeing live fleas on the cat and is getting bitten herself. The cat spends time both indoors and outdoors and according to the owner, is treated 6 weekly all year round with FLP. The owner mentioned she spilled some of the FLP when applying it recently. The owner has no other pets.
06-Feb-2018	UAE; 18NZ000056; -; New Zealand	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	04-Feb-2018	04-Feb-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS for Small Dogs (unknown batch and expiry) was applied to a female spayed five year old Maltese-Cross weighing 4 kg on the 4th of February 2018. The owner is still seeing 4-5 live fleas on the underbelly of her dog. She also has a thirteen year old male castrated ginger cat that was treated with FRONTLINE Plus for Cats at the same time, although the cat doesn't appear to have any fleas. The animals are normally treated monthly with Advantage and this is the first time they have had FRONTLINE PLUS. Both animals spend time outdoors as well as indoors and the owner is not getting bitten. There are hedgehogs in the garden and the dog likes to spend time in the long grass outside.
07-Feb-2018	UAE; 18NZ000058; -; New Zealand	**Species:** Canine **Breed:** Chihuahua **Sex:** F **Sex qualifier:** Neutered **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Jan-2018	07-Jan-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS For Dogs (up to 10kg) was applied to two female spayed Chihuahua's by the owner (batch and expiry unknown) on approximately the 7th of January 2018. The owner noticed live fleas on both dogs approximately three weeks later. According to the owner, the two dogs are treated two monthly all year round. There are no other pets in the household and no garden (the dogs live in an inner city townhouse/apartment). The owner does take the dogs walking in the park and the owner's daughter sometimes visits the house with her own dog. The owner took the dogs to the vet on Monday where approximately 4x live fleas were seen on each dog. The owner treated with another flea control product on Monday (brand unknown) and has not seen any live fleas since.
07-Feb-2018	UAE; 18NZ000059; -; New Zealand	**Species:** Canine **Breed:** Poodle (Toy) **Sex:** F **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Jan-2018*	25-Jan-2018*	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS Spot-On Solution for Dogs (FLP, unknown batch and expiry) was applied to a 10 year old female spayed poodle on approximately the 25th January 2018. The owner is still seeing many live fleas on her dog. The owner is sure that no product was spilled during application and that the dog did not swim or bathe 48 hours after the FLP was applied. There are no other pets in the household. Prior to the FLP application in January the dog was treated with FLP at the vet clinic some time in November. The owner is unsure if or when the dog was treated with flea control prior to November. There is a big garden in the property where the dog likes to spend a lot of time.

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07-Feb-2018	UAE; 18NZ000060; -; New Zealand	**Species:** Feline **Breed:** Feline (unknown) **Sex:** - **Sex qualifier:** - **Age:** - **Weight:** -	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	13-Jan-2018	0 Day(s)	D-D	As reported by the owner, 2 cats (details unknown) were treated with FRONTLINE PLUS For Cats (unknown batch and expiry) on 13 January 2018 topically by the owner. The cats were treated year round with a flea product every 6 weeks. The owner is currently seeing approximately 2 fleas on each cat per day and she is combing them on a daily basis. Both cats sleep outside in a chicken coop in the garden. There is also a dog which is receiving regular flea treatment.
08-Feb-2018	UAE; 18NZ000062; -; New Zealand	**Species:** Feline **Breed:** Domestic Longhair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	26-Jan-2018	26-Jan-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS Spot-On Solution for Cats (FLP, unknown batch and expiry) was applied to two domestic long hair cats on approximately the 26th January 2018 when the owner saw a live flea on each of them. The owner is now seeing many live fleas on each of the cats and found a live flea in her daughter's hair. This is the first time the owner has used FLP on the cats and the cats have not had any flea control products applied previous to this. No one is getting bitten in the house but the owner is heavily pregnant. The cats both spend time indoors and outdoors and are combed weekly.
08-Feb-2018	UAE; 18NZ000063; -; New Zealand	**Species:** Canine **Breed:** Bichon Frise **Sex:** M **Sex qualifier:** - **Age:** 1.00 Year(s) **Weight:** 6 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	19-Dec-2017	N/A	D-D	As reported by the owner she treated her 1 year old, 6kg, male entire Bichon cross Maltese Toby with FRONTLINE Plus for Small Dogs on 26 January 2018. Prior to that he was treated on 19 December 2017, and monthly prior to that. Since treatment in December the owner has continued to see live fleas on the dog and he is scratching. Her children are also getting flea bites in the house. She has one other dog in the house that also is still getting fleas, refer to case 18NZ000064. There are also 2 cats in the house that are treated with FRONTLINE Plus for Cats but they don't seem to have as many fleas as the dogs. All animals have unlimited access outdoors.
08-Feb-2018	UAE; 18NZ000064; -; New Zealand	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 57 kg*	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	19-Dec-2017	N/A	D-D	As reported by the owner she treated her 3 year old, approximately 57kg, female spayed Rottweiler with FRONTLINE Plus for Extra Large Dogs on 26 January 2018. Prior to that she was treated on 19 December 2017, and monthly prior to that. Since treatment in December the owner has continued to see live fleas on the dog and she is scratching. Her children are also getting flea bites in the house. She has one other dog in the house that also is still getting fleas, refer to case 18NZ000063. There are also 2 cats in the house that are treated with FRONTLINE Plus for Cats but they don't seem to have as many fleas as the dogs. All animals have unlimited access outdoors.
08-Feb-2018	UAE; 18NZ000067; -; New Zealand	**Species:** Canine **Breed:** -	1	1	0	**Product used:** FIPRONIL 10%/S	01-Jan-2018	09-Jan-2018	8 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS For Dogs (FLP, unknown batch and expiry) was applied by the owner to her male dog on 9 January 2018. The owner also treated her two cats at the

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		Sex: M **Sex qualifier:** - **Age:** - **Weight:** -				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					same time with FRONTLINE PLUS For Cats. She is seeing many live fleas on her dog but the cats don't appear to be affected. This is the first time the owner has used FLP on her animals and prior to this they have not had flea control. The owner saw live fleas on the dogs at the start of January and then treated the dogs. The dogs rarely spend time outside and the owners are not being bitten. The owner flea bombs the house every 6 months and treated the dog with another flea control product on Wednesday 7th February and is no longer seeing fleas.
11-Feb-2018	UAE; 18NZ000068; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	04-Feb-2018	04-Feb-2018	N/A	D-D	As reported by the owner, FRONTLINE PLUS For Cats (FLP), unknown batch and expiry, was applied to her one year old, male, Domestic Short Hair cat Jackson on 4 February and again on 6 February 2018. The owner is still seeing approximately 2-4 live fleas per day. The owner also has a five year old male dog that is treated regularly with an oral flea product and doesn't appear to have fleas. The owner and family are getting bitten in the house. The owner flea bombed the house on 4 February and again on 6 February. Previous to using FLP, the owner used an oral flea and worm control product and was treating approximately three monthly or possibly more regularly but the owner couldn't remember dates. Jackson spends most of his time inside but does have access to the outdoors. Her dog spends most of his time outdoors and the owner reports they don't spend time together in the same areas.
11-Feb-2018	UAE; 18NZ000070; -; New Zealand	**Species:** Canine **Breed:** Beagle **Sex:** M **Sex qualifier:** Neutered **Age:** 12.00 Year(s) **Weight:** 20 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Oct-2017*	22-Jan-2018*	0 Day(s)	D-D	As reported by the owner she treated her 2 dogs and with FRONTLINE Plus (FLP) on approximately 22 January 2018. Baxter is a 12 year old, neutered male Beagle weighing 20kg and he was treated with FRONTLINE Plus for Large Dogs, unknown batch and expiry. Since treatment the owner has continued to see many live fleas on the dog. She is not getting flea bites on herself in the house however has seen fleas on her baby. There are also 2 cats in the household but they are slightly wild so she is unsure if they have fleas. They were treated with FRONTLINE Plus for Cats at the same time as the dogs. All animals have access indoors and outdoors. Prior to FLP treatment in January, the dogs were last flea treated around October 2017. Refer to case 18NZ000071 for other dog in the household Bolt.
11-Feb-2018	UAE; 18NZ000071; -; New Zealand	**Species:** Canine **Breed:** Terrier (Jack Russell) **Sex:** M **Sex qualifier:** Neutered **Age:** 3.50 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Oct-2017*	22-Jan-2018*	0 Day(s)	D-D	As reported by the owner she treated her 2 dogs with FRONTLINE Plus (FLP) on approximately 22 January 2018. Bolt is a 3.5 year old, neutered male Jack Russell weighing 5kg and he was treated with FRONTLINE Plus for Small Dogs, unknown batch and expiry. Since treatment the owner has continued to see many live fleas on the dog. She is not getting flea bites on herself in the house however has seen fleas on her baby. There are also 2 cats in the household but they are slightly wild so she is unsure if they have fleas. They were treated with FRONTLINE Plus for Cats at the same time as the dogs. All animals have access indoors and outdoors. Prior to FLP treatment in January, the dogs were last flea treated around October 2017. Refer to case 18NZ000070 for other dog in the household Baxter.
11-Feb-2018	UAE; 18NZ000072; -; New Zealand	**Species:** Feline **Breed:** Birman **Sex:** M **Sex qualifier:** Neutered	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON	01-Dec-2017*	13-Dec-2017*	N/A	D-D	As reported by the owner, FRONTLINE PLUS For Cats (FLP, unknown batch and expiry) was applied to a 7 year old 5 kg male castrated birman cat approximately three weeks ago by the owner. According to the owner, the cat is treated with FLP monthly all year round and there have been no gaps in treatment. The owner has

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		Age: 7.00 Year(s) **Weight:** 5 kg				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					noticed flea dirt and approximately 2-4x fleas on the cat per day for the last few months. There are no other pets in the household, no one has visited with pets, and the owner is not getting bitten. The cat spends time indoors and outdoors.
14-Feb-2018	UAE; 18NZ000076; -; New Zealand	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Jan-2018	25-Jan-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS For Cats (FLP), unknown batch and expiry, was applied to two male neutered cats on approximately the 25th January 2018 by the owner. The owners were seeing live fleas on the cats before applying the FLP and are still seeing approximately 30 live fleas on each of the cats. The owner was unsure of previous treatment dates with a flea control product. They have flea bombed the house recently and no one in the household is getting bitten. The owner reports the cats cannot access underneath the house but there are large areas of leaf litter and also hedgehogs present in the garden which come very close to the house. Both cats spend time both inside and outside.
15-Feb-2018	UAE; 18NZ000079; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018*	02-Feb-2018*	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS For Cats (FLP), unknown batch and expiry, was applied to three domestic short hair cats on approximately the 2nd February 2018 by the owner. According to the owner, all three cats are treated regularly all year round with a flea control product and the owner has used FLP the last few months. The owner is seeing approximately 10-15 fleas at a time on the cats. All cats have access to the outdoors and the owner has a large garden with hedgehogs present that sometimes come very close to getting inside the house. The cats do not have access under the house. No one in the house is being bitten.
19-Feb-2018	UAE; 18NZ000082; -; New Zealand	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** M **Sex qualifier:** Neutered **Age:** 10.00 Month(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jun-2017*	10-Feb-2018*	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS For Cats (FLP), unknown batch and expiry, was applied to a 10 month old male castrated Domestic Medium Hair kitten on 10 February 2018. The owner has recently been seeing approximately 10 – 25 live fleas on her kitten and is getting bitten herself. According to the owner, she has applied FLP every six weeks since she brought the kitten and has recently been applying FLP monthly over summer. She does not think there has been a gap in treatment and is sure that he didn't have any fleas when she originally brought him home. There are no other pets in the household and no other pets have visited. The cat spends time indoors and outdoors and may have recently been able to access underneath the neighbour's house.
18-Feb-2018	UAE; 18NZ000084; -; New Zealand	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Unknown **Age:** 8.00 Month(s)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other	21-Jan-2018	17-Feb-2018*	0 Day(s)	D-D	As reported by the owner, FRONTLINE Plus for Small Dogs (FLP), unknown batch and expiry, was applied to her female 8 month old Maltese Poodle cross puppy on 21 January 2018. The owner saw one live flea on her puppy so treated again four weeks later on 17 February 2018. The puppy has been scratching but this has reduced since applying the recent pipette. The owner also has a cat that is treated with BROADLINE and doesn't appear to be

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		Weight: Unknown				products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					affected by fleas. According to the owner, the cat and the puppy are treated with flea control products regularly every six weeks. The owner reports her daughter sometimes gets bites which may be from fleas when she visits the house but the owner is not affected. Both animals spend time indoors and outdoors in the small garden.
21-Feb-2018	UAE; 18NZ000088; -; New Zealand	**Species:** Canine **Breed:** Spaniel **Sex:** M **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 15 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	21-Feb-2018	16 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS For Medium Dogs (FLP), unknown batch and expiry, was applied to a 15 kg five year old male neutered Spoodle on 5 February 2018 by the owner. The owner saw one live flea on 21 February 2018. There are no other pets in the household and the owner is not being bitten. According to the owner, the dog was treated with FLP at the start of January and before that was treated every 6 weeks all year round with FLP. The owner has not seen hedgehogs or possums in the garden.
20-Feb-2018	UAE; 18NZ000089; -; New Zealand	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** - **Sex qualifier:** - **Age:** 5.00 Month(s) **Weight:** -	2	2	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Feb-2018	01-Feb-2018	N/A	D-D	As reported by the owner, 2 x 5 month old kittens were treated with FRONTLINE SPRAY topically over their entire bodies with the product on 1 February 2018 and again on 15 February 2018. The kittens are still covered in many fleas and flea eggs. The owner has been working on a lot of house renovation work recently and the owner also recent acquired a second hand cat tower.
20-Feb-2018	UAE; 18NZ000090; -; New Zealand	**Species:** Canine **Breed:** Poodle (Miniature) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** 3.8 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	17-Feb-2018	21-Feb-2018	4 Day(s)	D-D	As reported by the owner, FRONTLINE SPRAY (FL SPRAY), unknown batch and expiry, was applied to a 3.8 kg male miniature Poodle on 17 February 2018 by the owner. Today she saw 3 live fleas. Previous to this treatment, the owner was seeing many fleas on the dog so used Evance flea control approximately two weeks ago but was still seeing many live fleas so applied the FL Spray. Prior to the Evance the owner used an anti-flea shampoo as her sole flea control. This was the first time she had used the FL Spray and according to the owner, it was applied all over the dog 's body onto the skin and the dog was not bathed in the 48 hours following application. There are no other pets in the household and the owner is getting bitten, especially when she sits on the couch at night. The dog has access to the outdoors and the owner has not seen hedgehogs or possums in her garden.
25-Feb-2018	UAE; 18NZ000093; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** 4 kg	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	15-Jan-2018	15-Jan-2018	N/A	D-D	As reported by the owner, FRONTLINE PLUS For Cats (FLP), batch and expiry unknown, was applied to three 4kg adult Domestic Short-Hair cats on approximately 15 January, 2 February and 18 February 2018 by the owner. The owner is seeing approximately 4-5 live fleas on each of the cats. According to the owner, the cats were treated every four weeks all year round with Advantage and there has been no gap in treatment. The owner also has a dog that is treated monthly with NexGard and does not appear to have fleas. The animals all spend time both indoors and outdoors and the owner is getting bitten inside the house.

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						product used ok?: Yes					
25-Feb-2018	UAE; 18NZ000095; -; New Zealand	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Dec-2017*	29-Jan-2018	N/A	D-D	As reported by the owner, FRONTLINE PLUS For Cats (FLP), unknown batch and expiry, was applied to two cats on approximately 29 January and 12 February 2018 by the owner. The owner is seeing approximately 10 live fleas on the cats. Previous to these treatments, the owner applied FLP on approximately 25 December 2017. The owner is unsure when the cats would have received flea control prior to this treatment. Each cat received one FLP pipette at each treatment date. The owner has flea bombed the house on approximately the 1st and 29th January 2018. The owner is getting bitten. There are no other pets in the household. Both cats have access indoors and outdoors and sometimes spend time under the house.
04-Mar-2018	UAE; 18NZ000097; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** - **Age:** 7.00 Week(s) **Weight:** 900 gms*	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	26-Feb-2018*	26-Feb-2018*	N/A	D-D	As reported by the owner, FRONTLINE SPRAY (FL SPRAY), unknown batch and expiry, was applied topically to a 7 week old female domestic short-hair kitten on approximately the 26 February and 3 March 2018 by the owner. The owner is seeing approximately 3-4 live fleas on the kitten. The owner has had the kitten since birth as she also had the mother who has now run away. The kitten is now the only pet. The owner reports that the mother was treated regularly with Advantage flea control . The owner reports the spray was applied liberally onto the skin. The owner was getting bitten and flea bombed the house but is not getting bitten anymore. The owner also moved house recently and flea bombed the new house as a precautionary action. The owner was seeing live fleas before applying the FL SPRAY . The kitten spends time indoors only.
06-Mar-2018	UAE; 18NZ000099; -; New Zealand	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** X **Sex qualifier:** Neutered **Age:** - **Weight:** Unknown	5	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Dec-2017*	14-Feb-2018	N/A	D-D	As reported by the owner, FRONTLINE PLUS for cats (FLP), unknown batch and expiry, was applied to five cats by the owner on 14 February and 3 March 2018 by the owner. The owner saw two live fleas on one cat and flea dirt on another cat yesterday. Previous to the treatment in February the owner applied FLP to all cats around the 25 December 2017. The owner did not treat the cats regularly with flea control prior to this but has used FLP in the past. All cats have access to the outdoors and there are no other pets. The owner has been bitten by fleas in the home a few weeks ago and suspects there are fleas in the carpets.
08-Mar-2018	UAE; 18NZ000104; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** - **Weight:** 4.5 kg*	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	09-Feb-2018	09-Feb-2018*	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS for cats (FLP), batch and expiry unknown, was applied to an approximately 4.5 kg adult female spayed domestic short hair on approximately 9 February 2018 by the owner. The owner's daughter noticed some live fleas yesterday (approximate number unknown). The owner also has another cat that was treated with Advocate. Both cats are scratching. Prior to this, both cats were treated with Advocate approximately 6 – 8 weeks ago and the owner could not remember treatment dates for flea control before this. Both cats spend most of their time outside on a 10 acre block of land and have restricted access indoors. The owners have a new house with mainly laminated floors and are not getting bitten. There are no other pets apart from the two cats.

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13-Mar-2018	UAE; 18NZ000105; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 5 kg*	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	31-Jan-2018	10-Mar-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS for cats (FLP), batch and expiry unknown, was applied to an approximately 5 kg, 20 month old, female spayed Domestic Short-Hair cat on 31 January and 10 March 2018 by the owner. The owner has been seeing approximately 2 – 10 live fleas on the cat recently. The owner reports that she has used FLP on the cat all year round since owning the cat and applies it approximately 6 or 7 weekly. The cat spends time both indoors and outdoors and there are no other pets in the household. The owner reports she normally buys the FLP from her local vet but brought this pack from an online source and the pack is in date and does not appear damaged. The owner thinks the product was applied correctly. The cat is scratching regularly and the owner is not getting bitten.
13-Mar-2018	UAE; 18NZ000106; -; New Zealand	**Species:** Canine **Breed:** Retriever (Golden) **Sex:** F **Sex qualifier:** Neutered **Age:** 10.50 Year(s) **Weight:** 27 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Feb-2018	01-Feb-2018	N/A	D-D	As reported by the owner, FRONTLINE PLUS for large dogs 20 – 40 kg (FLP), batch and expiry unknown, was applied to a 27.0 kg female spayed 10.5 year old Labrador-cross on 1 February and 1 March 2018 by the owner. The owner has used FLP on the dog before but couldn't remember exact treatment dates prior to those of this year. The owner is seeing several live fleas a day and the dog is scratching and gnawing at the base of her tail. The owner also has a cat that is treated with another flea control product and does not appear to be bothered by fleas. The owner has not been bitten but has seen a live flea on the carpet and is concerned as she has a young baby. The owner has flea bombed the house recently but is unsure if the product used contained an insect growth regulator. The dog spends time both indoors and outdoors.
15-Mar-2018	UAE; 18NZ000107; -; New Zealand	**Species:** Canine **Breed:** Schnauzer (Miniature) **Sex:** U **Sex qualifier:** Unknown **Age:** 1.00 Year(s) **Weight:** 8.5 kg	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Feb-2018*	23-Feb-2018*	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS for small dogs up to 10 kg (FLP), unknown batch and expiry, was applied to two 1 year old miniature schnauzers, both weighing approximately 8.5kg, on approximately 23 February 2018. The owner is seeing 2 – 6 live fleas on the dogs per day and both dogs are scratching. Prior to this treatment the dogs have not been treated with flea control but the owner has used FLP on previous dogs. Both dogs have access indoors and outdoors. No-one in the house is getting bitten and there are no other pets in the household. There have been no recent purchases of second hand furniture or rugs and no major landscaping or renovation work, however, the house and garden has recently been flooded with sea water.
15-Mar-2018	UAE; 18NZ000111; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	04-Mar-2018	05-Mar-2018	1 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS for cats was applied topically to a 5 year old, approximately 5kg female neutered domestic shorthair cat (unknown name) on 4 March 2018 by the owner. 18 hours after the initial application, the application site in between the shoulder blades, became raw and then scabbed over. No veterinary treatment was required and the lesion resolved after 3-4 days. The cat is not on any medication and is happy in herself.
18-Mar-2018	UAE; 18NZ000113;	**Species:** Canine **Breed:**	2	2	0	**Product used:** FIPRONIL	15-Jan-2018*	16-Feb-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS FOR DOGS (FLP), unknown batch and expiry and size, was applied to two English

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	-; New Zealand	Staffordshire Terrier **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					Staffordshire terriers on 16 February 2018 by the owner. The owner also has a cat that was treated at the same time with FRONTLINE PLUS FOR CATS. The owner reports that he is seeing approximately 15 live fleas on the dogs and they are scratching constantly. The owner has also seen live fleas on the cat but he doesn't seem to be bothered. Prior to the treatment in February the animals were all treated approximately one month previously with FLP. The owner does not treat all the animals all year instead treating only in the summer months. The house has been flea bombed several times in the last few months but the owners are not being bitten themselves. They have also cleaned the outside kennels and replaced the animals bedding. They have seen the odd flea in the carpet. The owners live on a 5 hectare property close to the beach and the animals have access underneath the house. All animals have access both indoors and outdoors.
18-Mar-2018	UAE; 18NZ000114; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	4	4	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2016*	26-Feb-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS for cats (FLP), unknown batch and expiry, was applied to four domestic short-hair cats on approximately the 26 February 2018 by the owner. The owner is seeing 1 -2 live fleas on all the cats per day. They are all scratching especially two of them. Prior to this treatment the cats were treated with FLP on approximately 29 January 2018 by the owner. According to the owner, all cats have been treated regularly every 6 weeks throughout the year with alternating FLP and BROADLINE flea control for many years and the owner does not think there has been a lapse in treatment. The owner and her daughter are being bitten in the house and the daughter is sensitive to the flea bites requiring a visit to her GP for treatment. The owner has flea bombed the house 3 times in the last 7 weeks but is unsure if the flea bomb contained an insect growth regulator. The owner has been vacuuming the house daily and has not brought any second hand furniture or rugs; however, there has been some major gardening work going on recently. All cats have access both indoors and outdoors.
19-Mar-2018	UAE; 18NZ000116; -; New Zealand	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** M **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 4 kg*	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	26-Feb-2018	26-Feb-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE Plus for cats (FLP), unknown batch and expiry, was applied to two male-neutered, 1 year old, approximately 4.0 kg, domestic medium-hair cats, on 26 February 2018 by the owner. The owner noticed flea dirt and two live fleas on each of the cats today. According to the owner, FLP and other flea control has been used regularly all year round on a 4-5 weekly basis since acquiring the two cats in July last year and there have not been any lapses in treatment. There are no other pets in the household, and no visiting animals. Both cats have access indoors and outdoors and one cat is a regular hunter. The owner has not done any landscaping or renovations and has not purchased any second hand furniture or rugs recently. The owner has not been bitten.
21-Mar-2018	UAE; 18NZ000120; -; New Zealand	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** F **Sex qualifier:** Unknown **Age:** 13.00 Year(s) **Weight:** 35 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	20-Mar-2018	20-Mar-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE Plus for large dogs 20 – 40 kg (FLP), unknown batch and expiry, was applied to a 35 kg female entire 13 year old German Shepherd on the 20 March 2018 by the owner. The owner is seeing 3-4 live fleas on the dog. Prior to this, the owner has rarely used any flea control but has used FLP many years ago. The owner is not getting bitten and there are no other pets in the household. The dog spends most of her time indoors but does have access to the outdoors. The owner has used a flea spray product to treat the carpets and sofa inside but

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Cutaneous **Was the product used ok?:** Yes					does not believe the fleas are inside.
28-Mar-2018	UAE; 18NZ000128; -; New Zealand	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	5	5	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	15-Mar-2018	0 Day(s)	D-D	As reported by the owner, FRONTLINE PLUS for cats (FLP), unknown batch and expiry, was applied to five domestic short-hair cats by the owner on approximately 15 March 2018. The owner has noticed the cats scratching and her children are getting bitten but she has not seen any live fleas on the cats. The owner reports that she treats all the cats diligently every 4 weeks (occasionally every 6 weeks) all year round with FLP and does not think there has been a gap of more than 6 weeks of applying FLP. All cats spend most of their time indoors but have access to the outdoors. There are no other pets in the household. The owner reports there have been no visitors with pets, no second hand rugs or furniture purchased and no major renovations or landscaping work done on the property recently. The owner has not seen hedgehogs or possums in the garden. The owner reports she normally flea bombs the house as a precautionary measure approximately twice a year (including one flea bomb underneath the house) but is unsure if the product used contains an insect growth regulator. The owner applied Evance (a supermarket flea control product) a few days ago and reports the cats have stopped scratching. The owner has also steam cleaned the carpets recently.
16-Jan-2018	UAE; 18SE000003; -; Sweden	**Species:** Feline **Breed:** Feline (unknown) **Sex:** X **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	4	3	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	18-Jul-2017	24-Jul-2017	N/A	D-B	SE-SEMPAV-N2017-00422: A serious adverse event report from an animal owner received by the MPA on July 28, 2017, regarding four cats, crossbred (Maine Coon/Ragdoll), three female cats (age unknown) and one male cat (2 years old), bodyweight unknown. On July 18, 2017, four cats were treated with spot-on Frontline vet., 100 mg/ml (dose and batch no. unknown), due to prevention of ticks. Three out of four cats were affected. On July 24, six days after the treatment, the male cat became tired, showed inappetence, had increased salivation, wheezing breath and was brought to the animal hospital. The male cat was diagnosed with fluid in the lungs and was hospitalized and treated with diuretic. Two female cats became tired and had increased salivation. At the time of the report the cats had not yet recovered. The animal owner reports that in connection with the first treatment of Frontline vet. in June 2017, three out of four cats became tired and got increased salivation (not a severe as above). 2018-01-10 at a quality review the report was upgraded to serious due to hospitalization and medical treatment.
01-Feb-2018	UAE; 18SE000014; -; Sweden	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** Unknown **Age:** 11.00	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** Zantac 25 mg/ml; Synulox vet 140	15-Jul-2016	15-Jul-2016	N/A	D-C	SE-SEMPAV-2016-00351: An adverse event report from veterinarian was received by the MPA on July 15, 2016, regarding ad dog, crossbred, neutered female,11 years old, bodyweight 42 kg. On July 15, 2016, the Frontline vet, 100 mg/ml spot-on solution, batchno L20919AX, was administered to the dog as tic prevention. Concomitant medication: injection of Zantac 25 mg/ml, treatment period: July12 to July 18,

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Year(s) **Weight:** 42 kg				mg/ml; **Route:** unknown **Was the product used ok?:** No (Low dose)					2016 due to vomiting and also injection of Synulox vet, 140 mg/ml, treatment period July 12 to July 15. A couple of hours after administration of Frontline vet, the dog started to vomit, got dull and showed inappetence. The owner washed the dog with water. The dog was fully recovered the same day.
05-Feb-2018	UAE; 18SE000016; -; Sweden	**Species:** Canine **Breed:** Poodle (Standard) **Sex:** F **Sex qualifier:** Unknown **Age:** 5.00 Year(s) **Weight:** 16 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Jul-2017	11-Jul-2017	N/A	D-B	SE-SEMPAV-N2017-00383: A serious adverse event report from an animal owner received by the MPA on July 11, 2017, regarding a dog, Standard Poodle, female, 5 years old and bodyweight 16 kg. On July 07, 2017, the dog was treated with Frontline Comp, 134 mg/120.6 mg, spot-on solution, one dose pipette, batch no. M62005AL, as prevention to tics. On July 11, 2017, in the night when the dog woke up it had no balance, was fumbling around, shivering, had impaired consciousness, had a stiff neck and the head was bent down towards the floor. The dog was put to bed where the shivering of one foreleg continued, the dog was also flicking its eyes. After 5-10 minutes the seizure ended. The dog was breathing heavily but was calm and with a good pulse. Same adverse reactions occurred during autumn 2016 and in spring 2017 when the drug was used. The adverse reactions arose significantly later (several weeks) after application and at that time there was no suspicion that this could be a drug adverse reaction. 2018-01-24, at a quality review SE-MPA upgraded the report to serious.
05-Jan-2018	UAE; 18UK000038; -; United Kingdom	**Species:** Canine **Breed:** Spaniel (English Springer) **Sex:** M **Sex qualifier:** - **Age:** 5.00 Month(s) **Weight:** 10 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** PO-Oral **Was the product used ok?:** No (Route not indicated / recommended)	N/A	05-Jan-2018	0 Day(s)	D-D	As reported by the owner of the animal, Ollie a male 5 month old English Springer Spaniel weighing 10 kg, accidentally ingested FRONTLINE SPOT ON DOG (2-10kg, R20111AX, 31 DEC 2019) on 05 JAN 2018. Immediately after ingestion, the animal experienced slight hypersalivation. The owner rinsed the animal's mouth with water and reports that the hypersalivation has ceased and the animal is now asymptomatic.
08-Jan-2018	UAE; 18UK000063; -; United Kingdom	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	01-Jan-2018*	N/A	D-D	As reported by the employee at the retail outlet, a dog of unknown age, breed, sex, reproductive status and weight, was administered FRONTLINE PLUS SPOT ON DOG 20-40 kg (P61710AR, 310 JUN 2019) topically to the back of the neck by the owner on an unknown date. An unknown amount of time following administration, the animal experienced blisters around the application site. The animal was presented to the attending vet however further details regarding treatment and reaction outcome are not known.

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18-Jan-2018	UAE; 18UK000125; -; United Kingdom	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** Unknown **Age:** 6.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	20-Nov-2017	20-Nov-2017	0 Day(s)	D-D	UK-VMD-0301/18 The dog was itching, customer expected due to fleas, but after using the Frontline Plus Spot-on Dog M the itching continued getting worse until she used the off the shelf Bob Martin product
13-Jan-2018	UAE; 18UK000126; -; United Kingdom	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Jan-2018*	N/A	D-B	As reported by the employee at the retail outlet, a cat of unknown age, sex, reproductive status, breed and weight was treated with FRONTLINE PLUS CAT (batch unknown, expiry 11 DEC 2017) on an unknown date via an unknown route by the animal owner. The next day it is reported that the animal experienced heavy breathing, weakness and losing consciousness. The animal was presented to the attending vet out of hours and received unknown treatment. The outcome of the reaction is not known. The owner of the animal also reports that the product had not been effective in eliminating the fleas on this animal and his dog, as the animal owner reported that a flea was still alive after 6 to 7 hours following exposure to the product.
13-Jan-2018	UAE; 18UK000127; -; United Kingdom	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	01-Jan-2018*	N/A	D-D	As reported by the employee at the retail outlet, a German Shepherd dog of unknown age, sex, reproductive status and weight was treated with FRONTLINE PLUS DOG (dose, batch and expiry unknown) on an unknown date via an unknown route by the animal owner. The owner of the animal reports that the product had not been effective in eliminating the fleas on this animal, as the animal owner reported that the flea was still alive after 6 to 7 hours. This case is linked to 18UK000126.
29-Jan-2018	UAE; 18UK000191; -; United Kingdom	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** U **Sex qualifier:** - **Age:** 1.33 Year(s) **Weight:** 10.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	22-Jan-2018	0 Day(s)	D-D	UK-VMD-0440/18: On 22 Jan 2018 FRONTLINE SPOT ON DOG 10% w/v Spot on Solution was applied. Shortly after application there was 2 x 3 cm area of alopecia, scaling and erythema at the site of application. No information on treatment or outcome. IMPORT COMMENT: 1 X 10-20 KG FRONTLINE SPOT ON DOG M pipette was used, 1 pipette of 1.34 ml per dog weighing over 10kg and up to 20kg.
29-Jan-2018	UAE; 18UK000192; Surrey; United Kingdom	**Species:** Feline **Breed:** European **Sex:** M	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	12-Jan-2018	13-Jan-2018	1 day	D-D	UK-VMD-0444/18: On 12 JAN 2018 the cat had Frontline Plus Spot-on Cat applied. On 13 JAN 2018 the cat had a patch of ulceration on skin between shoulder blades where spot-on was applied. No further information.

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		Sex qualifier: Unknown **Age:** 6.00 Month(s) **Weight:** 2.84 kg				12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					
05-Feb-2018	UAE; 18UK000240; Surrey; United Kingdom	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	06-Aug-2017	1 Day(s)	D-D	UK-VMD-4748/17: 3 dogs were treated with Frontline Plus Large dog on 5/08/17. The reporter says that over the month after treatment starting from 6/8/17, the product seemed to have no action on the fleas. Number increased with development of flea allergic dermatitis on one of the dogs. Previous product used was Frontline. Administered in the same manner. Environment treated also. Also reported to Merial companion animal adverse reaction phone line at approx. 15:00 on the 6/9/17. Merial are collecting data from the customer and investigating. Suspected FAD on the dogs which are being taken to clients Vet for diagnosis and treatment 3 dogs treated from same pack 1x male 38kg age 4yrs 1x female 28kg age 6 years 1x female 21kg age 13 years . All showing signs of non effective treatment. Customer has used standard Frontline with no problems previously.*This case has been split to only report for the two dogs with lack of efficacy but without FAD, see linked case UK-VMD-4797/17 for other dog*
13-Feb-2018	UAE; 18UK000315; -; United Kingdom	**Species:** Feline **Breed:** Maine Coon Cat **Sex:** X **Sex qualifier:** Mixed **Age:** 1.50 Year(s) **Weight:** Unknown	6	6	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Dec-2017*	13-Feb-2018	approximately 4 weeks	D-D	As reported by the owner, Baringa, Oddbod, Crystal, Shady, Silvie and Kestrel Main coon cats, ranging in age from 1.5 years to 8 years, of unknown weights and in good condition were treated with FRONTLINE PLUS SPOT ON CAT (P40905AW, 31 JUL 2019) topically between the shoulder blades on the back of the neck on the skin in one place only, administered by the owner during the middle of JAN 2018 (estimated as 15 JAN 2018), the owner reported that they had also applied the product the previous month (estimated as 15 Dec 2017). On 13 FEB 2018, approximately two months after the first administration the animal went to the veterinary surgery for a health check-up and vaccinations and was reported to be hooching in fleas and a lot of flea dirt was seen.
20-Feb-2018	UAE; 18UK000374; Surrey; United Kingdom	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Year(s) **Weight:** 27 kg	5	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	31-Jan-2018	14-Feb-2018*	2 Week(s)	D-C	On 31 Jan 2018 the dog had Frontline Plus large dog applied to the back of the neck. On 14 Feb 2018 the dog has an open wound (coded as application site sore) on the base of the neck which the owner describes as a burn. No further information Further information received by the MAH: On 26 FEB 2018 the owner reported that the burn like mark came up on the dogs neck in the area the product was applied approximately 14 days after application. The dog had not been taken to see a vet but the owner was treating the effected area with a topical antiseptic cream . The owner also confirmed that they had 5 dogs in total, that all lived outdoors, which had all been treated with FRONTLINE PLUS on the same day and only one dog had reacted. On 07 MAR 2018 the animal owner confirmed that he had not taken the animal to the vets, he continued treating the animal's wound himself using an antiseptic cleaner called Septic Cleanse. The owner reported that the wound itself has all healed up now but is bald and he doesn't think that the hair will grow back because it is scarred. The animal

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											owner also confirmed that they have 5 working Labradors that all live outside, he rarely takes them to the vets unless it's for something he can't deal with. The animal owner says that he has always used FRONTLINE SPOT ON on his dogs, this was the first time that he used FRONTLINE PLUS and so is disappointed that it caused this burn on the animal. The animal owner confirmed that there were no other reactions on his other dogs that had the FRONTLINE PLUS applied on the same day.
20-Feb-2018	UAE; 18UK000389; -; United Kingdom	**Species:** Canine **Breed:** Terrier Breeds (500 Series) **Sex:** M **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 12 kg*	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Jun-2015*	06-Feb-2018	2 Day(s)	D-C	As reported by the animal owner, Carter, a 3 year old male neutered Terrier weighing approximately 12 kg and in good condition, and one other dog, were administered FRONTLINE PLUS SPOT ON DOGS M (batch and expiry unknown) topically by the animal owner at an unknown site on 04 FEB 2018. On 06 FEB 2018 Carter experienced an application site reaction with erythema and crusting, and now the skin has turned black. The animal was treated with Isaderm cream. The outcome is unknown.
23-Feb-2018	UAE; 18UK000404; Kent; United Kingdom	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** 3.1 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** Benazacare; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Jan-2018	22-Jan-2018*	approximately 3 Day(s)	D-D	As reported by the attending veterinary surgeon, Spike a 10 year old male neutered Domestic shorthaired cat weighing 3.1 kg and in good condition, was administered FRONTLINE COMBO SPOT ON CAT (batch P40411EW, expiry 31 MAR 2019) topically by the animal owner to an unknown site on 19 JAN 2018, for parasite control, fleas and ticks. Two to three days after application, (estimated as 22 JAN 2018), the animal experienced an application site reaction. The animal was treated with Prednisolone. Further details are not known.
26-Feb-2018	UAE; 18UK000422; -; United Kingdom	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	25-Feb-2018*	24 Day(s)	D-D	Suspected Lack of Efficacy Claim: As reported by the owner via social media. A female canine of unknown signalment was treated with FRONTLINE PLUS (Unknown lot) (Product Unsubstantiated) on an unknown date (1 Feb 2018 selected at random). On an unknown date (25 Feb 2018 selected because that was the date of the social media post), the owner mentioned the product was not working because the dog was shaved due to flea allergies and was uncomfortable. This is the extent of the information available.
27-Feb-2018	UAE; 18UK000438; Surrey; United Kingdom	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** - **Age:** 2.00 Year(s) **Weight:** 9 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	N/A	17-Feb-2018	approximately 30 minutes	D-C	On 17 Feb 2018 the dog had Frontline Plus Spot-on Dog S applied. Within 15-30 minutes after application the dog was acting abnormally (coded as behavioural disorder), panting and salivating, red eyes and tongue (coded as Tongue disorder). Feet, ears and bottom irritated. The clinical signs lasted 14 hours. No further information.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Route: unknown **Was the product used ok?:** Unknown to Company					
24-Feb-2018	UAE; 18UK000439; -; United Kingdom	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2017*	12-Feb-2018*	3 Day(s)	D-C	As reported by the animal owner, an 8 year old, neutered male cat of unknown breed, reproductive status, weight and condition, was administered FRONTLINE SPOT ON CAT (batch number: P20411 and expiry date: 31 MAR 2019) via an unknown route to an unknown site by the animal owner at an unknown dose on 09 FEB 2018. The owner reports that over the next few days the animal became increasingly nervous around the house and the people. The animal owner reports the first incident being when he went to jump on their lap but suddenly bolted away from them as he landed. The animal also started acting very strangely by sitting on the child's bed for hours on end, appearing lifeless wherever they put him. The animal then started bolting under the bed for hours and it got to the point that the animal owners had to carry him downstairs in order to get him to eat or go outside to wee. The animal owners took the cat to the vet on 14 FEB 2018 and they thoroughly examined him and could find nothing wrong. They suggested perhaps a new cat was in the neighbourhood and to try Feliway. The animal owner reports that they have not seen any other cats in their garden, and that they hadn't at that point even considered that it could be the flea treatment. The animal owner reports that the animal has continued to act traumatised in the house, not feeling safe to walk around on the floor, and outside, he appears to move around normally but if they approach him, he is very nervous and had even hissed on several occasions which is so unlike him. The animal owner reports that the animal meows at the door to come in, but when they open the door he runs away. The owner read the SPC and noted that animals can become sensitive to light and sound. The animal owner tried turning off the light and the animal has nervously come in to eat. The animal owner phoned the vets yesterday (assumed 23 FEB 2018) and reports that they said that they will know for sure if we see his behaviour return to normal when the
27-Feb-2018	UAE; 18UK000440; East Lothian; United Kingdom	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 3.8 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical and Oral **Was the product used ok?:** Yes	19-Feb-2018	20-Feb-2018	1 Day(s)	D-B	As reported by the attending veterinary surgeon, Mischka, a 5 year old male neutered Domestic Shorthaired cross Persian cat weighing 3.8 kg and in good condition, was administered FRONTLINE COMBO SPOT ON CATS (batch and expiry unknown) topically by the animal owner to the back of the neck at a dose of 1 pipette on 19 FEB 2018. The animal owner reported to the attending vet that they are convinced the animal is having seizures but the vet is not. There has been no video seen. The owner reported that this started the day after applying FRONTLINE COMBO (20 FEB 2018), and reports seizure like activity, frothing at the mouth, collapse and hyperexcitation. No oral exposure has been reported but this has not been ruled out. The animal is reported to be clinically well on examination and normal on bloods taken 27 FEB 2018, apart from thrombocytopaenia, however the attending vet feels that this was not accurate. The animal owner reported to the attending vet that the episodes happen multiple times, 3-4 times, daily lasting for approximately 30 seconds. The reaction is ongoing 1 week after application of FRONTLINE COMBO. No further information expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
05-Mar-2018	UAE; 18UK000457; Leicestershire; United Kingdom	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 1.42 Year(s) **Weight:** 2.78 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	27-Feb-2018	27-Feb-2018	0 Day(s)	D-B	As reported by the attending veterinary surgeon, Marley, a 1.42 year old female neutered Domestic Short Haired cat weighing 2.78 kg and in good condition, was administered FRONTLINE SPOT ON CAT (batch and expiry unknown) topically to the back of the neck by the animal owner on 27 FEB 2018. On the morning of 04 MAR 2018, the animal experienced sudden onset blindness. The owner reported no oral exposure. The attending vet did a clinical examination on 05 MAR 2018, and found the animal to have a temperature of 40.0 degrees C, weight loss and it is reported that the animal had been inappetent for 5 days before yesterday (04 FEB 2018). It is also reported that the animal received eye infection treatment in OCT 2017 (further details not known).
10-Mar-2018	UAE; 18UK000501; -; United Kingdom	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** - **Age:** 2.50 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jun-2017*	01-Jun-2017*	0 Day(s)	D-C	As reported by the animal owner, a 2.5 year old male entire cat of unknown breed, weight and condition, was administered FRONTLINE SPOT ON CAT (batch and expiry unknown) via an unknown route by the animal owner on an unknown date last summer (estimated as 01 JUN 2017) for an unknown indication. The animal owner reports that for two days after application, the animal had a foaming mouth, difficulty breathing and was off his food. It is reported that the clinical signs resolved with no treatment two days later.
10-Mar-2018	UAE; 18UK000530; Hampshire; United Kingdom	**Species:** Canine **Breed:** Spaniel (King Charles) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	01-Mar-2018*	N/A	D-D	As reported by the animal owner, a male King Charles Spaniel of unknown age, reproductive status, weight and condition, was administered FRONTLINE (assumed FRONTLINE SPOT ON DOG S, batch and expiry unknown) topically behind the neck by the animal owner at a dose of 1 dosage form a month, for an unknown indication. The animal owner reports that the product was failing to keep fleas at bay. Start date of event added for submission purposes only.
15-Mar-2018	UAE; 18UK000549; -; United Kingdom	**Species:** Canine **Breed:** Schnauzer (Miniature) **Sex:** F **Sex qualifier:** Unknown **Age:** 10.00 Week(s) **Weight:** Unknown	8	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** Vanguard vaccination; **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Mar-2018	04-Mar-2018*	3 Day(s)	D-D	As reported by the breeder, a female entire Miniature Schnauzer, born 20 DEC 2017, of unknown weight and condition, and 8 other puppies, were administered FRONTLINE SPRAY (batch and expiry unknown) topically by the breeder on 01 MAR 2018 at a dose of light spray, for an unknown indication. Three to four days later, estimated as 04 MAR 2018, Minnie developed hair loss at the back of the neck from the shoulder blades down, about 3 inches by 3 inches. Minnie also reacted to her Vanguard vaccination that was administered on 31 JAN 2018 and 28 FEB 2018 (details unknown).
23-Mar-2018	UAE; 18UK000585; Surrey; United Kingdom	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** - **Age:** 5.50 Year(s) **Weight:** 37 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	14-Mar-2018	15-Mar-2018	1 Day(s)	D-D	On 14 Mar 2018 the dog had Frontline Plus Spot-on Dog L applied. On 15 Mar 2018 the dog was fine through the day but is very agitated at night, will not settle and is also is going and sitting in the shower. The clinical signs lasted 2 days. No further information.

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						Route: other **Was the product used ok?:** Unknown to Company					
22-Mar-2018	UAE; 18UK000625; -; United Kingdom	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Neutered **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	01-Mar-2018*	N/A	D-D	As reported by the animals owner, a female cat, of unknown age, weight and reproductive status, was treated with FRONTLINE PLUS SPOT ON CATS (batch number: R40514AW and expiry date: Apr 2020), topically, every 4 weeks, actual dates of administration unknown, administered by the owner and the owner reported that the animals fur had fallen out and the animal still has fleas. No further information was provided. Start date of adverse event added for submission purposes only.
28-Mar-2018	UAE; 18UK000644; -; United Kingdom	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** - **Age:** 9.00 Month(s) **Weight:** 6.5 kg	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Metacam meloxicam 1.5 mg/ml oral suspension dogs; Isaderm; dexamethasone; Synulox Injection; Synulox 250 mg tablets; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Mar-2018	21-Mar-2018	1 Day(s)	D-D	As reported by the animal owner, Ellsie, a 9 month old female entire Shih Tzu weighing 6.5 kg and in good condition, was administered FRONTLINE PLUS SPOT ON DOG S (batch R61402AL, expiry 30 JUN 2020) topically by the animal owner at an unknown dose to the back of the neck on 20 MAR 2018 for parasite control, preventative care. One other dog was treated which did not experience clinical signs. The animal owner reports that on 21 MAR 2018 the animal started scratching a bit, and within 2 days it was really irritated, the fur was matted up and the animal had to be sedated, using Domitor via IV injection and Torbugesic via IV injection, and shaved at the vets. The animal was administered Synulox injection administered 27 MAR 2018 and Synulox tablets to be administered 0.5 250 mg twice daily, Isaderm gel four times daily, and painkiller, METACAM ORAL SUSPENSION 7 kg dose once daily, and the owner reports that the skin looks burnt off. The attending vet reported that the animal presented with suspected cutaneous adverse reaction, and showed epidermal sloughing over the neck and right shoulder. The owner reported that FRONTLINE product was applied on 25 MAR 2018. The animal was sedated and the scabs were cleansed. The animal was administered dexamethasone and discharged with METACAM, co-amoxyclav and Isaderm. On 09 APR 2018 the animal owner reported that the animal had a repeat consultation on 03 APR 2018 at which no further treatment was administered as the animal was healing, and veterinary notes state that the animal is almost healed, there are big scabs but healing well underneath. On 16 APR 2018 the owner reported that on 03 APR 2018 the affected area had dried up lovely, and the treatment had ceased, however on 12 APR 2018 the neck had started to flare-up again, the animal had been yelping and scratching and the owner had noticed a scab with pus beneath the ear. The animal was seen by the attending vet on 13 APR 2018, the attending vet reported that on that day the
29-Mar-2018	UAE; 18UK000656; Essex; United Kingdom	**Species:** Canine **Breed:** Spaniel **Sex:** F **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products**	N/A	16-Jan-2018	N/A	N/A	As reported by the attending veterinary surgeon, Roxy, an 8 year 2 month old female neutered spaniel cross canine unknown weighing 14.65 kg and in fair condition, was administered PEXION 400 MG TABLETS (batch 758121, expiry 31 MAY 2020) orally by

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		Neutered **Age:** 8.17 Year(s) **Weight:** 14.65 kg				**used:** Pexion imepitoin 400 mg; Epiphen; Milbemax; **Route:** unknown **Was the product used ok?:** Unknown to Company					the animal owner at a dose of 400 mg (27.3 mg/kg) twice daily from 16 JAN 2018 for idiopathic epilepsy - suspected. Previously the animal was receiving 200 mg (13.7 mg/kg) twice daily from 28 NOV 2017 to 15 JAN 2018. It is reported that the animal has a suspected diagnosis of idiopathic epilepsy and initially responded well to Epiphen. During monitoring, it was noticed that the animal had elevated liver enzymes and then an increase in seizure frequency. Epiphen was being administered at lower than the therapeutic range. The animal was then started on 200 mg PEXION twice daily and phenobarbital was reduced from current 15 mg twice daily dose. The owner then increased the dose of Epiphen and stopped the PEXION (date unknown). The attending vet discussed increasing PEXION dose with the MAH Technical services team. On 16 JAN 2018 the dose of PEXION was increased to 400 mg (27.3 mg/kg) twice daily, having previously been on it for a transitional period as the attending vet is trying to stop Epiphen. Epiphen was dropped to 15 mg once daily and the animal had 2 seizures within 2 days and then the largest seizure that the animal has ever had. Epiphen was restarted at 15 mg twice daily and they are planning to continue this. The animal is well controlled at reporting. It is also reported that dog has received FRONTLINE (assumed FRONTLINE SPOT ON DOG M, batch and expiry unknown) and Milbemax, administration dates are unknown. UPDATE 23 APR 2018: Following internal review Epiphen doses were updated and outcomes changed to recovered.
02-Jan-2018	UAE; 18US000246; ME; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 13.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	02-Jan-2017*	02-Jan-2018*	0 Day(s)	D-C	Suspected Adverse Event: On 2 Jan 2018, the sales representative reported the following event for Itsy, a 13 year old female spayed Domestic Shorthair feline. On an unknown date, Itsy was applied a dose of FRONTLINE PLUS CATS (lot unknown). About 3-4 hours after application, she experienced a seizure that lasted about a minute and then she recovered. No description of the seizure was given to the reporter. It is unknown how long she has been receiving the FRONTLINE and she has no history of seizures. No further information at this time. UPDATE 5 Jan 2018: Cat has been on FRONTLINE PLUS for about a year and the veterinarians's suspicion that it cased the reaction is low. No further medical information expected.
03-Jan-2018	UAE; 18US000266; MI; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	01-Jan-2018	12 Month(s)	D-D	Suspected Adverse Event: On 3 Jan 2018, the owner reported the following event for a feline of unknown signalment. On an unknown date the cat was treated with FRONTLINE PLUS CATS (lot unknown) and started to roll around on different objects. No further medical information available.
03-Jan-2018	UAE; 18US000389; NJ; U.S.A	**Species:** Canine **Breed:** Retriever	1	1	0	**Product used:** FIPRONIL	20-Dec-2000*	20-Dec-2017*	0 Day(s)	D-D	Suspected Adverse Event: On 3 Dec 2018 the owner reported the following event for Tyler, a 19 year old, approximately 67 pound, spayed female, Retriever (Labrador, Black).

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		(Labrador, Black) **Sex:** F **Sex qualifier:** Neutered **Age:** 19.00 Year(s) **Weight:** 67 lbs				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					*20 Dec 2017: 1 vial of FRONTLINE PLUS DOG 45-88 LBS (M63608AR) was given to the dog topically to the top of the neck behind the ears, by the owner. The dog has been on the product for approximately 17 years. The dog started to have rashes in a couple areas of the body and had hypertension. Unknown Date: The dog was seen by the veterinarian and given Amlodipine and an unknown antibiotic. 1 Jan 2018: The dog recovered. No further medical information.
03-Jan-2018	UAE; 18US000485; MD; U.S.A	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 73 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	03-Jan-2018	03-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 3 Jan 2017, the owner reported the following event for Kola, a 2 year old, 73 pound, spayed female Pit Bull. 3 Jan 2017: 1 dose of FRONTLINE PLUS DOG 89-132 LBS (R60716AR) was applied to the dog's skin between the shoulder blades for the first time. Following the treatment the dog started to lick her mouth and drool which is still ongoing. The dog has not been seen by the vet and the owner is monitoring her condition. There are no other dog in the home. No further medical information expected. UPDATE 10 JAN 2018: On internal review, Kola was given one vial of FRONTLINE PLUS DOG 89-132 LBS (R60716AR) on 3 Jan 2018. No further medical information expected.
04-Jan-2018	UAE; 18US000619; WA; U.S.A	**Species:** Canine **Breed:** Norwegian Elkhound **Sex:** M **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 45 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	09-Nov-2017	20-Dec-2017	0 Day(s)	D-D	Suspected Adverse Event: On 4 Jan 2018 the owner reported the following event for Ronin, a 3 year old, approximately 45 pound, neutered male, Norwegian Elkhound. 9 Nov 2017: 1 vial of FRONTLINE PLUS DOG 45-88 LBS (lot unknown) was given to the dog topically from the shoulder blades to the base of the tail, by the owner. This was the first dose applied. Approximately 20 minutes after the application, the dog started scratching. 11 Nov 2017: the owner gave the dog a bath and the itching increased *16 Nov 2017: The dog stopped scratching. 20 Dec 2017: The owner applied another vial of the product. Approximately 20 minutes after the application the dog started scratching. The dog was not seen by a veterinarian. The symptoms are ongoing. The owner had seen a flea on a visiting dog before the first dose was applied which is why she treated her dogs. She has not seen any fleas since. No further medical information expected.
04-Jan-2018	UAE; 18US000680; IL; U.S.A	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** F **Sex qualifier:** - **Age:** 3.00 Year(s) **Weight:** 90 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	20-Sep-2014*	21-Sep-2017*	1 Day(s)	D-D	Suspected Adverse Event: On 4 Jan 2018 the owner reported the following event for Roxanne, a 3 year old, 90 pound, non-pregnant non-lactating intact female, German Shepherd Dog. *20 Sep 2017: 1 vial of FRONTLINE PLUS DOG 89-132 LBS (P63106) was given to the dog topically between the shoulder blades, by the owner. The dog has been on the product for approximately 3 years with no problems. *21 Sep 2017: The dog had bumps on the skin at the application site.

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						Cutaneous **Was the product used ok?:** Yes					*24 Sep 2017: The owner gave the dog an oatmeal bath and the symptoms stopped. The dog was not seen by a veterinarian. No further medical information expected.
05-Jan-2018	UAE; 18US000830; OH; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	N/A	05-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 5 Jan 2018, the owner reported the following event for a female cat (signalments unknown). The cat was treated with FRONTLINE PLUS CATS (lot unknown) and following the treatment she ingested the product and began to foam. The cat is settled without vet assistance. The owner declined the report. No further medical information available.
05-Jan-2018	UAE; 18US000952; NY; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** - **Age:** 5.00 Month(s) **Weight:** 5 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Dec-2017*	05-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 5 Jan 2018 the owner reported the following event for Simon, a 5 month old, 5 pound, intact male Domestic Shorthair. The cat was treated with FRONTLINE PLUS CATS (R40202) (FL) for the second time. Following the treatment the cat turned his head and licked the application site, he then started to drool, gag, and shake his head. The cat is drooling less and he seems to be improving without vet assistance. No further medical information expected. UPDATE 19 Jan 2018: As reported on 5 Jan 2018 by the pet owner, the FRONTLINE PLUS CATS (R40202) had a strong alcohol smell. No other details are known. No further information.
05-Jan-2018	UAE; 18US000991; OH; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	4	4	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	31-Dec-2017	31-Dec-2017	0 Day(s)	D-D	Suspected Adverse Event: On 5 Jan 2018, the pet owner reported the following event for 4 cats (signalment unknown). 31 Dec 2017: One vial a piece of FRONTLINE PLUS CATS (FL) (lot unknown) was applied to 4 cats for the first time. Unknown date: The cats started itching, they do have fleas, but they were not itching before the FL was given. The owner declined the report. No further information available.
08-Jan-2018	UAE; 18US001101; MO; U.S.A	**Species:** Feline **Breed:** Himalayan **Sex:** F **Sex qualifier:** Neutered **Age:** 5.50 Year(s) **Weight:** 14 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	10-Oct-2017	15-Nov-2017*	N/A	D-D	Suspected Adverse Event: On 8 Jan 2018 the owner reported the following event for Megan, a 14 pound, Himalayan (all other signalments unknown). 10 Oct 2017: An unknown amount of FRONTLINE PLUS CATS (lot unknown) was given to the cat, unknown route and application site, by the owner. This was the first dose applied. 10 Dec 2017: The owner applied another vial of the product. On an unknown date after the application, the cat had a rash on the spine are near the tail. The rash was yellow and flaky. The cat was also losing fur on its tail.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Was the product used ok?: Yes					It is unknown if the cat was seen by a veterinarian or given any treatment. The cat's current status is unknown. No further medical information expected. UPDATE 11 Jan 2018: The owner reported the following event for Megan, an approximately 5.5 year old, spayed female. 10 Oct 2017: 1 vial of the product was given to the cat topically between the shoulder blades. This was the first dose applied. 10 Nov 2017: The cat received another dose of the product. *15 Nov 2017: The cat had a rash on the spine are near the tail. The rash was yellow and flaky. The cat was also losing fur on its tail. 10 Dec 2017: The cat received another dose of the product. The symptoms had no change. The cat was not seen by a veterinarian or given any treatment. The symptoms have improved but are still ongoing. No further medical information expected.
08-Jan-2018	UAE; 18US001160; CA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 8 lbs	3	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	08-Jul-2017*	1 Week(s)	D-C	Suspected Adverse Event: On 8 Jan 2018 the owner reported the following event for Leo, a 1 year old, approximately 8 pound, neutered male, Domestic Shorthair (Crossbreed). *1 Jul 2017: Half a vial of FRONTLINE PLUS CATS (lot unknown) was given to the cat topically between the shoulder blades, by the owner. This was the first time the product was applied. *8 Jul 2017: The cat was having trouble walking and a loss of balance. The cat was not able to retract its claws. The cat's body and jaw were rigid. The cat had excessive salivation. The cat would not eat or drink. *1 Aug 2017: The cat recovered. The cat was seen by the veterinarian and given doxycycline and subcutaneous fluids. The cat had symptoms using FRONTLINE GOLD (see case 18US001151). No further medical information expected.
08-Jan-2018	UAE; 18US001248; MI; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	13-Nov-2017	13-Dec-2017*	0 Day(s)	D-D	Suspected Adverse Event: On 8 Jan 2018 the owner reported the following event for a canine (all signalments unknown). 13 Nov 2017: 1 vial of FRONTLINE PLUS DOG 89-132 LBS (lot unknown) was given to the dog, unknown route and site of application, by the owner. This was the first dose applied. *13 Dec 2017: On an unknown date the owner applied a second dose of the product. On an unknown date after the second application, the dog had some hair loss. It is unknown if the dog was seen by a veterinarian or given any treatment. The dog's current status is unknown. No further medical information expected.
08-Jan-2018	UAE; 18US001254; WI; U.S.A	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** M **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** 16 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	07-Sep-2017	21-Sep-2017*	N/A	D-D	Suspected Adverse Event: On 8 Jan 2018, the owner reported the following event for Slick, a 10 year old, 16 pound, neutered male Domestic Mediumhair. 7 September 2017, one vial of FRONTLINE PLUS CATS (lot unknown) was applied between the shoulder blades for the first time. *21 Sept 2017: The cat developed itchy bumps all over his body. He would also lick his paws constantly. The cat continued to be treated monthly until his last application given 7 Nov 2017 and his symptoms progressed. 4 Jan 2018: The cat was taken to the vet and given Prednisone and a steroid shot. The cat also has been getting oatmeal baths

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					which is helping his symptoms. The cat does have diabetes, but is in good health. There is one other treated cat in the home who did not have any reactions. No further medical information expected
08-Jan-2018	UAE; 18US001256; WA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	08-Jan-2018	08-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 8 Jan 2018 the owner reported the following event for Leo, an approximately 4 year old, neutered male, Domestic Shorthair (Crossbreed). 8 Jan 2018: An unknown amount of FRONTLINE PLUS CATS (lot unknown) was given to the cat, unknown route and site of application, by the owner. The cat licked some of the product and started drooling and running around. The cat recovered. It is unknown if the cat was seen by a veterinarian or given any treatment. No further medical information expected.
09-Jan-2018	UAE; 18US001297; NH; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	1	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jan-2018*	01-Jan-2018*	0 Day(s)	D-A	Suspected Adverse Event: On 9 Jan 2018, the owner reported the following event for a dog of unknown signalment. The dog was treated with FRONTLINE (product unsubstantiated) on an unknown date and on an unknown date the dog died of kidney failure. The owner declined the report. No further medical information expected.
10-Jan-2018	UAE; 18US001665; AZ; U.S.A	**Species:** Canine **Breed:** Norwich Terrier **Sex:** M **Sex qualifier:** Neutered **Age:** 7.00 Year(s) **Weight:** 12 lbs	6	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	09-Jan-2018	09-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 10 Jan 2018 the owner reported the following event for Montez, a 7 year old, 12 pound, neutered male, Norwich Terrier. 9 Jan 2018: 1 vial of FRONTLINE PLUS DOG 5-22 LBS (H61506AL) was given to the dog topically between the shoulder blades, by the owner. This was the first dose applied. The dog started vomiting. The dog was not seen by a veterinarian or given any treatment. The dog's symptoms are still ongoing. No further medical information expected.
10-Jan-2018	UAE; 18US001756; NY; U.S.A	**Species:** Feline **Breed:** Bombay **Sex:** F **Sex qualifier:** - **Age:** 1.00 Year(s) **Weight:** 5.5 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	N/A	08-Dec-2017*	1 Week(s)	D-D	Suspected Adverse Event: On 10 Jan 2018 pet owner reported the following event for Baby Girl, 1 year old, 5.5 pound, intact female, Bombay. *1 Dec 2017: One vial of FRONTLINE PLUS CATS (R40202AW) was applied between the shoulder blades. Pet owner was unsure of the exact date in December 2017. *8 Dec 2017: The pet experienced hair loss at application site. The pet presented to the clinic on an unknown date, but no treatment was needed. *8 Jan 2018: The cat was reported recovered on an unknown date in January 2018.

N/A signifies the information for this field is either not available or not applicable

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: Yes					The pet owner also reported one of her other cats experienced symptoms after an application of FRONTLINE PLUS CATS. Please see case 18US001774 for other report. No further medical information expected.
10-Jan-2018	UAE; 18US001774; NY; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 10 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	01-Jan-2018*	31 Day(s)	D-D	Suspected Adverse Event: On 10 Jan 2018 pet owner reported the following event for Desman, 2 year old, 10 pound, neutered male, domestic shorthair. *1 Dec 2017: One vial of FRONTLINE PLUS CATS (R40202AW) was applied between the shoulder blades. Pet owner was unsure of the exact date in December 2017. *1 Jan 2018: The pet started vomiting. The pet presented to the clinic on the same date for an examination. The pet was given anti-nausea medication and IV fluids, and x-rays were performed. *8 Jan 2018: The cat was reported recovered. The pet owner also reported one of her other cats experienced symptoms after an application of FRONTLINE PLUS CATS. Please see case 18US001756 for other report. No further medical information expected.
11-Jan-2018	UAE; 18US001804; CA; U.S.A	**Species:** Canine **Breed:** Shih Tzu **Sex:** F **Sex qualifier:** - **Age:** 4.00 Year(s) **Weight:** 15 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	12-Nov-2017	10-Jan-2018	3 Day(s)	D-D	Suspected Adverse Event: On 11 Jan 2018 the owner reported the following event for Mia, an approximately 4 year old, 15 pound, non-pregnant non-lactating intact female, Shih Tzu/Poodle (Toy) mixed breed. 12 Nov 2017: 1 vial of FRONTLINE PLUS DOG 5-22 LBS (R60308AL) was given to the dog topically between the shoulder blades, by the owner. This was the first dose applied. 16 Dec 2017: The dog received another dose of the product. 7 Jan 2018: The dog received another dose of the product. 10 Jan 2018: The dog was not as happy and playful. The dog wasn't as alert. The dog was not seen by a veterinarian or given any treatment. The dog's symptoms are still ongoing. No further medical information expected.
11-Jan-2018	UAE; 18US002016; WI; U.S.A	**Species:** Feline **Breed:** Snowshoe **Sex:** M **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 10 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018*	04-Jan-2018*	3 Day(s)	D-D	Suspected Adverse Event: On 11 Jan 2018 the owner reported the following event for Freckles, a 4 year old, approximately 10 pound, neutered male, Snowshoe. *1 Jan 2018: 1 vial of FRONTLINE PLUS CATS (lot unknown) was given to the cat topically between the shoulder blades, by the owner. This was the first application. *4 Jan 2018: The cat started scratching and losing fur under the neck, jaw, and ears. The cat was not seen by a veterinarian or given any treatment. The cat's symptoms are still ongoing. No further medical information expected. UPDATE 19 Jan 2018: After receiving returned product, verified product was lot R40601.
11-Jan-2018	UAE; 18US002079; FL; U.S.A	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Unknown **Age:** 7.00 Year(s) **Weight:** 11 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	11-Nov-2017*	11-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 11 Jan 2018, we received the following report from Safety Call International about Emiie, a 7 year old, 10-11 pound dog, female, Yorkshire Terrier. (Unknown date): Dog was started on monthly FRONTLINE PLUS DOG 5-22 LBS (P60515AL). 11 Jan 2018: Dog had most recent application of product and was acting upset. The dog was hiding her head under her stuffed animals and curling up into a ball. 12 Jan 2018 (approximately): The symptoms stopped after the product dried.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Was the product used ok?: Unknown to Company					This reaction has occured each time the dog was given the product in the past and the dog always recovers after the product dries. No further medical information expected.
12-Jan-2018	UAE; 18US002214; VA; U.S.A	**Species:** Canine **Breed:** Chihuahua **Sex:** F **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 6 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-May-2016	07-Aug-2016*	6 Day(s)	D-D	Suspected Adverse Event: On 12 Jan 2017, the owner reported the following event for Cleopatra, 4 year old, spayed female, Chihuahua canine (all other signalments unknown). 1 Aug 2016: One vial of FRONLTINE PLUS DOG 5-22 LBS (M62912AL) was applied between the shoulder blades. 7 Aug 2016: The dog developed hotspots along her side. The pet was presented to the clinic and placed on Comfortis. 1 Sept 2016: The dog recovered. The dog received monthly doses starting 1 May 2017 and no symptoms presented. There is one other dog in the household that also received FRONTLINE and was aysmptomatic. No further medical information is expected.
12-Jan-2018	UAE; 18US002295; IL; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Neutered **Age:** 9.00 Year(s) **Weight:** 8 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** Methimazole; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	04-Jul-2016*	06-Jan-2018	2 Day(s)	D-D	Suspected Adverse Event: On 12 Jan 2018, the owner reported the following reaction for Smokey, a 9 year old, 8 pound, spayed female cat (breed unknown) 4 Jan 2018: The cat was treated with FRONTLINE PLUS CATS (P40611AW) to the skin between the shoulder blades. * 6 Jan 2018: The cat started to itch, bite, and chew herself all over without the presence of fleas. The cat recovered in 2 weeks from the itching, but the owner has noticed the cat has the same reaction after each monthly application,and the cat has been treated since July 2017. The cat has not been seen by the vet for her symptoms. The cat does take Methimazole daily for a thyroid condition and she has been on this medication for a year and a half with no issues. There are no other cats in the home. No further medical information expected.
16-Jan-2018	UAE; 18US002412; GA; U.S.A	**Species:** Canine **Breed:** Hound Breeds (200 Series) **Sex:** M **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 61.2 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 272MCG/652MG; IMRAB 1 TF - 1905.24; PONAZURIL 150 MG/G ORAL PASTE; Capstar; Duramune DHPP; unknown Bordetella vaccine;	21-Dec-2017*	22-Dec-2017	1 Day(s)	D-D	Suspected Adverse Event: On 16 Jan 2018, the BI employee whom is the animal owner reported the following event for Harvey, an approximately 3 year old (born approximately 21 Dec 2014), 61.2 pound, neutered male Coon Hound Mix. 20 Dec 2017: He was taken in by the Atlanta Humane Society from a hoarding situation where he was housed with 60 canines. He received HEARTGARD PLUS (272 MCG/227 MG) (lot and expiration unknown) one chew administered orally and Capstar. 21 Dec 2017: A physical examination was performed with the following abnormalities noted: bilateral ocular discharge, thin body condition, bilateral debris in ears, and dental tartar. He was diagnosed heartworm antigen negative via an unknown test. An unknown type of fecal was performed with negative results. He received an IMRAB 1 TF (22077, 16 Mar 2019) 1 mL SC in the right hind leg, FRONTLINE PLUS 45-88 LBS (lot unknown) one dose applied topically at an unknown location, and MARQUIS ANTIPROTOZOAL PASTE (lot and expiration unknown) unknown volume administered by mouth. He concurrently received a Duramune DHPP, an unknown Bordetella vaccine, Droncit, Strongid, and Panacur. 22 Dec 2017: He was sedated with an unknown manufacturer Acepromazine (10 mg/mL) 0.1 mL IM and Morphine (15 mg/mL) 0.85 mL IM and a dental prophylaxis and microchip implantation was performed. He was noted as having bilateral ocular

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						Droncit; Strongid; Panacur; unknown manufacturer Acepromazine; Morphine; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					mucopurulent discharge. He was treated with Doxycycline and Panacur. 23 Dec 2017: He was treated with Panacur. 28 Dec 2017: He began experiencing coughing. He presented to the veterinary clinic by the owner. He was treated with increased dosing of Doxycycline and Temaril P. 04 Jan 2018 (approximately): His recovered. No further medical information expected.
17-Jan-2018	UAE; 18US002734; IL; U.S.A	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** - **Age:** 8.00 Week(s) **Weight:** 8 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	16-Jan-2018	16-Jan-2018	0 Day(s)	D-C	Suspected Adverse Event: On 17 Jan 2018, a veterinarian reported the following advesre event in a 8 week old, 8 pound, intact female mixed breed canine to Safety Call International (SCI). 16 Jan 2018 - DVM reports that a pet owner applied 1 dose of FRONTLINE PLUS 45-88 (Lot # not provided) to a puppy in the afternoon. 6 hours later the owners noticed that the puppy was exhibiting signs of weakness and ataxia. The owners are on their way to the clinic with the puppy, the DVM would like to discuss treatment and if there is an antidote. No further information at this time.
18-Jan-2018	UAE; 18US002912; NY; U.S.A	**Species:** Canine **Breed:** Lhasa Apso **Sex:** M **Sex qualifier:** Neutered **Age:** 22.00 Month(s) **Weight:** 12 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	09-Dec-2017*	09-Dec-2017	0 Day(s)	D-D	1/18/18 Per SCI report: Owner reported an adverse reaction to the Frontline Plus (P62719AL)(EPA 65331-5)that has been used on her dog since her dog was a puppy. 12/9/17 The product was applied around December 9th, and she was noticing clumping of hair, and there appeared to be burns through the hair and skin. 12/14/17 The dog was taken to the DVM for these symptoms. The DVM clipped and cleaned the area, started the dog on Resortin skin ointment, and switched the dog to Simparica. The dog was also started on Simplicef for an infection. 12/24/17 About a week and a half after the DVM visit, the dog began having severe vomiting and diarrhea, and was taken to eDVM. Caller believes the GI signs described are related to the antibiotic not the Frontline. (Second product added, and sxs added as original Frontline product was not confirmed removed from dog, and could still be attributed to the GI signs). Caller states that the symptoms had mostly improved by New Years after 3 trips to the veterinary clinic, but the hair that is coming back is a darker brown color. No further medical information expected.
18-Jan-2018	UAE; 18US002952; CA; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	18-Jan-2018*	18-Jan-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 18 Jan 2018, the clinic staff reported the following event for a canine of unknown signalment. Unknown date: A dose of FRONTLINE PLUS DOG (unsubstantiated) (lot and expiration unknown). Unknown date: The dog was extremely pruritic. No further medical information expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Route: unknown **Was the product used ok?:** Unknown to Company					
17-Jan-2018	UAE; 18US002985; KY; U.S.A	**Species:** Canine **Breed:** Whippet **Sex:** M **Sex qualifier:** - **Age:** 12.00 Year(s) **Weight:** 33 lbs	1	1	1	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** AFOXOLANER 68 MG CHEWABLE TABLETS; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Sep-2016*	03-Jan-2018	4 Month(s)	D-A	On 17 Jan 2018, a veteirnarian reported the following event in a 12 year old, 33 pound, intact male geriatric Whippet with a history of mildly elevated renal values to Safety Call International (SCI). *1 Sep 2016 - dog started FRONTLINE PLUS 23-44 (Lot # not available) (product unsubstantiated) exact dates of administration unknown. Last dose of Frontline was approximately 1 Sep 2017. Owner was still seeing live fleas so DVM recommended waiting 3-4 weeks to start Nexgard. 1 Oct 2017 - dog was administered 1 dose of NEXGARD 68 mg (Lot # not available) orally 3 Jan 2018 - dog was seen at clinic for anorexia and lethargy and was diagnosed with renal failure, dog was treated with IV fluids 10 Jan 2018 - dog was vomiting, still anorexic, and no improvement was seen in kidney values with treatment. Dog was euthanized. No more medical information expected. UPDATE 30 Jan 2018 - Called clinic to confirm if Nexgard administration continued monthly. Clinic receptionist indicated that it is her belief the Nexgard administration continued monthly from *1 Oct 2017 to *1 Jan 2018 though could not confirm exact dates of administration.
19-Jan-2018	UAE; 18US003015; WI; U.S.A	**Species:** Feline **Breed:** Domestic Longhair (Crossbreed) **Sex:** F **Sex qualifier:** - **Age:** 6.00 Month(s) **Weight:** 3 lbs	4	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** Amoxicillin; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	19-Dec-2017*	19-Dec-2017*	0 Day(s)	D-D	Suspected Adverse Event: On 19 Jan 2018 the veterinarian reported the following event for Cali, a 6 month old, 3 pound, intact female, Domestic Longhair (Crossbreed). *5 Dec 2017: The cat started on Amoxicillin. *19 Dec 2017: 1 vial of FRONTLINE PLUS CATS (lot unknown) was given to the cat topically between the shoulder blades, by the owner. This was the first dose applied. The cat also received Amoxicillin. The cat became lethargic and started shaking. The cat was seen by the veterinarian but was not given any treatment. The veterinarian has never seen symptoms like this with the FRONTLINE and has a low level of suspicion the symptoms are due to the product. The symptoms are still ongoing. No further medical information expected.
19-Jan-2018	UAE; 18US003054; PA; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** 10 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	19-Jan-2018*	19-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 19 Jan 2018 the owner reported the following event for a 10 pound, canine (all other signalments unknown). 19 Jan 2018: 1 vial of FRONTLINE PLUS DOG 5-22 LBS (lot unknown, product unsubstantiated) was given to the dog unknown route and site of application, by the owner. It is unknown if this was the first dose applied. The dog licked the product and started drooling. The owner bathed the dog. It is unknown if the dog was seen by a veterinarian or given any treatment. The dog's current status is unknown. No further medical information expected.
23-Jan-2018	UAE; 18US003634; GA; U.S.A	**Species:** Canine **Breed:** Canine (unknown)	1	1	0	**Product used:** FIPRONIL 10%/S	23-Jan-2018	23-Jan-2018	0 Day(s)	D-C	Suspected Adverse Event: On 23 Jan 2018, the owner reported the following event for a canine (all other signalments unknown). 23 Jan 2018: Two vials of FRONTLINE PLUS DOG 5-22 LBS (Lot

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		Sex: U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)					unknown) were applied between the shoulder blades. The pet started to twitch while sleeping. The pet was not presented to the clinic. The status of the pet is unknown. No further medical information is expected.
23-Jan-2018	UAE; 18US003683; PA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 11.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Jan-2011*	16-Jan-2018	1 Day(s)	D-D	Suspected Adverse Event: On 24 Jan 2017, the owner reported the following event for Pumpkin, an 11 year old neutered male Domestic Shorthair. 15 Jan 2018: The cat was treated with one vial of FRONTLINE PLUS CATS (FL) (R40401AW). 16 Jan 2018: The cat developed hair loss at the application site that is 2x3 in width. The owner is monitoring the cat's condition. The cat has been on FL for years with no issues in the past. No further information available.
24-Jan-2018	UAE; 18US003810; NC; U.S.A	**Species:** Canine **Breed:** Chihuahua **Sex:** M **Sex qualifier:** - **Age:** 11.00 Year(s) **Weight:** 14 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	22-Jan-2007*	24-Jan-2018	2 Day(s)	D-D	Suspected Adverse Event: On 24 Jan 2018, the owner reported the following event for Nickel, an 11 year old, 14 pound, intact male Chihuahua. 22 Jan 2018: One vial of FRONTLINE PLUS DOG 5-22 LBS (FL) (P6297AL) was applied to the dog. The purchase was made in the form of a 6 pack in September 2017. 24 Jan 2017: The dog started to itch without the presence of fleas. The owner is monitoring the dog's condition and gave the dog fish oil. The dog has been on FL all his life without any past issues. There are no other dogs in the home. No further information available.
24-Jan-2018	UAE; 18US003955; CA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 13.8 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Dec-2017	17-Jan-2018	1 Day(s)	D-D	Suspected Adverse Event: On 24 Jan 2018, the owner reported the following event for Nigel,1 year old, 13.8 pound, neutered male, Domestic Shorthair feline. 16 Jan 2018: One vial of FRONLTINE PLUS CATS (R40202AW) was applied between the shoulder blades. 17 Jan 2018: The cat experienced lethargy and anorexia. The pet was not presented to the clinic. 25 Jan 2018: The symptoms are still ongoing. The pet also received FRONTLINE 15 Dec 2017 and no symptoms presented. No further medical information is expected.
24-Jan-2018	UAE; 18US003958; NJ; U.S.A	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** F	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON	24-Jan-2018*	24-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 24 Jan 2018, the owner reported the following event for Kee, 2 year old, spayed female, Domestic Mediumhair feline (all other signalments unknown). 24 Jan 2018: One vial of FRONTLINE PLUS CATS (P41104AW) was applied at an unknown location. The pet licked the product

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Neutered **Age:** 2.00 Year(s) **Weight:** Unknown				**Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					and began to hypersalivate. The cat recovered shortly after. No further medical information is expected.
30-Jan-2018	UAE; 18US004163; CA; U.S.A	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** M **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 30 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	24-Jan-2018*	24-Jan-2018	0 Day(s)	D-C	Suspected Adverse Event: On 24 Jan 2018, the technician reported the following event for Ed, a 5 year old unknown male mixed breed canine. 24 Jan 2018: An application of FRONTLINE PLUS DOG (unsubstantiated) (lot unknown) was applied to the skin between the shoulder blades and about 10 minutes following the dog started shaking, was lethargic, and weak in the back end. The pet owners bathed the area of application with dog shampoo and the symptoms resolved soon after. No further medical information expected. UPDATE 25 Jan 2018: According to the veterinarian, the dog possibly experienced lethargy and anorexia for a few days prior to application and recovered on an unknown date. The dose applied was only half of a vial and was an unknown larger size foreign labeled product. No further medical information expected.
25-Jan-2018	UAE; 18US004282; MA; U.S.A	**Species:** Canine **Breed:** Terrier (Jack Russell) **Sex:** F **Sex qualifier:** Neutered **Age:** 7.00 Year(s) **Weight:** 18 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2013	01-Jan-2018	0 Day(s)	D-C	Suspected Adverse Event: On 25 Jan 2018, the owner reported the following event for Yali, 7 year old, 18 pound, spayed female, Jack Russell Terrier canine. 1 Jan 2018: One vial of FRONLTINE PLUS DOG 5-22 LBS (L64814AL) was applied between the shoulder blades. The dog immediately started to stagger and recovered after 15 minutes. The dog was not presented to the clinic The dog has received FRONTLINE monthly starting 1 Jan 2013. The pet experienced the same symptoms and recovery time after each dose. No further medical information is expected.
25-Jan-2018	UAE; 18US004316; WA; U.S.A	**Species:** Canine **Breed:** Retriever (Labrador, Yellow) **Sex:** F **Sex qualifier:** Neutered **Age:** 7.00 Year(s) **Weight:** 83 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	26-Dec-2017	05-Jan-2018*	10 Day(s)	D-D	Suspected Adverse Event: On 25 Jan 2018 the owner reported the following event for Mya, a 7 year old, 83 pound, spayed female, Retriever (Labrador, Yellow). 26 Dec 2017*: 1 vial of FRONTLINE PLUS DOG 45-88 LBS (R61301AR) was given to the dog topically from the shoulder blades to the tail, by the owner. This was the first dose applied. 5 Jan 2018*: The dog had fleas and the dog developed a hotspot on its tail and started losing fur in that area. The dog was seen by a veterinarian but was not given any treatment. The symptoms are ongoing. No further medical information expected.
29-Jan-2018	UAE; 18US004738;	**Species:** Feline **Breed:** Domestic	1	1	0	**Product used:** FIPRONIL	26-Jan-2016	26-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 29 Jan 2018, the owner reported the following event for Elvira, 6 year old, 12 pound, spayed female,

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
	NH; U.S.A	Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 6.00 Year(s) **Weight:** 12 lbs				10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					Domestic Shorthair feline. 26 Jan 2018: One vial of FRONTLINE PLUS CATS (P41003AW) was applied between the shoulder blades. The owner noticed a bleeding scab on the right side of the pet's neck. The pet was not presented to the clinic and no treatment was administered. 30 Jan 2018: The pet has recovered. The cat has received FRONTLINE monthly starting 26 Jan 2016 and no symptoms presented. No further medical information is expected.
30-Jan-2018	UAE; 18US004869; NY; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 13 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Nov-2017	25-Jan-2018	2 Day(s)	D-D	Suspected Adverse Event: On 30 Jan 2018, the owner reported the following event for Pixie, 1 year old, 13 pound, spayed female, Domestic Shorthair feline. 23 Jan 2018: One vial of FRONTLINE PLUS CATS (R40601AW) was applied between the shoulder blades. 25 Jan 2018: The cat began to pull hair out at the application site. The pet was not presented to the clinic. The owner administered Cortizone cream. 30 Jan 2018: Symptoms are still ongoing. The cat received FRONTLINE monthly since 23 Nov 2017 and experienced the same symptoms each time. The pet's fur never fully grew back after first dose was given. No further medical information is expected.
30-Jan-2018	UAE; 18US004890; MA; U.S.A	**Species:** Canine **Breed:** Retriever (Golden) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** 60 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	22-Jan-2018	30-Jan-2018*	8 Day(s)	D-D	Suspected Adverse Event: On 30 Jan 2018, the owner reported the following event for a 60 pound, Golden Retriever canine (all other signalments unknown). 22 Jan 2018: One vial of FRONTLINE PLUS DOG 45-88 LBS (P61201AR) was applied between the shoulder blades. 30 Jan 2018*: The pet started experiencing lethargy. Symptoms are still ongoing. No further medical information is expected.
30-Jan-2018	UAE; 18US004911; CA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 10 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	23-Jan-2017*	29-Jan-2018	6 Day(s)	D-D	Suspected Adverse Event: On 30 Jan 2018, the owner reported the following event for Lexi, 1 year old, 10 pound, spayed female, Domestic shorthair feline. 23 Jan 2018: One vial of FRONTLINE PLUS CATS (P41102AX) was applied between the shoulder blades. 29 Jan 2018: The cat experienced skin irritation and hair loss at the application site. The cat was not presented to the clinic. 30 Jan 2018: The cat's symptoms are still ongoing. The pet has received FRONLTINE monthly since 23 Jan 2017* and no symptoms presented. There is one other cat in the household that also experienced symptoms after using the FRONTLINE (see case 18US004967). No further medical information is expected.
30-Jan-2018	UAE; 18US004967; CA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON	23-Jan-2015*	29-Jan-2018	6 Day(s)	D-D	Suspected Adverse Event: On 30 Jan 2018, the owner reported the following event for Leo, 4 year old, 14 pound, neutered male, Domestic shorthair feline. 23 Jan 2018: One vial of FRONTLINE PLUS CATS (P41102AX) was applied between the shoulder blades.

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		Sex qualifier: Neutered **Age:** 4.00 Year(s) **Weight:** 14 lbs				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					29 Jan 2018: The cat experienced skin irritation and hair loss at the application site. The cat was not presented to the clinic. 30 Jan 2018: The cat's symptoms are still ongoing. The pet has received FRONTLINE monthly since 23 Jan 2015* and no symptoms presented. There is one other cat in the household that also experienced symptoms after using the FRONTLINE (see case 18US004911). No further medical information is expected.
30-Jan-2018	UAE; 18US005068; CA; U.S.A	**Species:** Canine **Breed:** Chowchow **Sex:** M **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** 45 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	24-Jan-2018*	27-Jan-2018	3 Day(s)	D-D	Suspected Adverse Event: On 30 Jan 2018, the owner reported the following event for Piper, a 10 year old, 45 pound, neutered male Chowchow. 24 Jan 2018: The dog was treated with one dose of FRONTLINE PLUS DOG 23-44 LBS (R60516AL) for the first time. 27 Jan 2018: The dog was not eating, his nose was dry, he was lethargic, and vomiting. 31 Jan 2018: The dog recovered without vet assistance. There are no other dogs in the home. No further medical information expected.
31-Jan-2018	UAE; 18US005161; FL; U.S.A	**Species:** Feline **Breed:** Russian Blue **Sex:** F **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 12 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Jan-2018	12-Jan-2018*	2 Day(s)	D-D	Suspected Adverse Event: On 31 Jan 2018 the owner reported the following event for Smokey, an approximately 2 year old, 12 pound, spayed female, Russian Blue. 10 Jan 2018: 1 vial of FRONTLINE PLUS CATS (P41104RW) was given to the cat topically between the shoulder blades by the owner. This was the first dose applied. 12 Jan 2018*: The cat started scratching. The owner has not noticed any flea activity. The cat was not seen by a veterinarian or given any treatment. The symptoms are ongoing. No further medical information expected.
31-Jan-2018	UAE; 18US005247; WI; U.S.A	**Species:** Canine **Breed:** Pomeranian **Sex:** F **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 5 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017	13-Dec-2017	12 Day(s)	D-D	Suspected Adverse Event: On 31 Jan 2018, the owner reported the following event for Coco, 3 year old, 5 pound, spayed female, Pomeranian canine. 1 Dec 2017: One vial of FRONTLINE PLUS DOG 5-22 LBS (lot unknown) was applied between the shoulder blades. 13 Dec 2017: The dog experienced hair loss and redness at the application site. 31 Jan 2018: The dog's symptoms are still ongoing. No further medical information is expected.
31-Jan-2018	UAE; 18US005293; PA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 3.00 Year(s)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products	30-Jan-2018	31-Jan-2018	1 Day(s)	D-D	Suspected Adverse Event: On 31 Jan 2018, the owner reported the following event for Tiger Lily a 3 year old, 10 pound, spayed female Domestic Shorthair. 30 Jan 2018: The cat was topically treated with FRONTLINE PLUS CATS (P40203BW) for the first time. 31 Jan 2018: The cat developed a chemical burn and hair loss at the application site, the cat also vomited twice. The cat has not been seen by the vet. No further medical

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Weight: 10 lbs				**Route:** Topical / Cutaneous **Was the product used ok?:** Yes					information expected. UPDATE 21 FEB 2018: Per medical invoices, the cat was seen on 2 Feb 2018, and given a subcute injection and methylprednisolone.
01-Feb-2018	UAE; 18US005306; FL; U.S.A	**Species:** Feline **Breed:** Domestic Longhair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 15 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jun-2017*	27-Jan-2018	6 Day(s)	D-D	Suspected Adverse Event: On 1 Feb 2018 the owner reported the following event for Bentley, an 8 year old, 15 pound, spayed female, Domestic Longhair (crossbreed). Jun 2017*: The cat started on 1 vial of FRONTLINE PLUS CATS given to the cat topically to the back of the neck by the owner. The product was given monthly. Dec 2017*: The owner missed a dose of the product. The owner started seeing flea activity and the cat was scratching. 21 Jan 2018: The owner applied another dose of FRONTLINE PLUS CATS (M40068AW). 27 Jan 2018: The cat started vomiting. 31 Jan 2018: The cat recovered. The cat was not seen by a veterinarian or given any treatment. No further medical information expected.
01-Feb-2018	UAE; 18US005325; MN; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** - **Age:** 4.00 Year(s) **Weight:** 6.7 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Oct-2017	01-Feb-2018*	3 Month(s) 2 Week(s)	D-D	Suspected Adverse Event: On 1 Feb 2018, a clinic staff reported the following event for Snickers, a 4 year old, 6.7 pound, intact female, Domestic Shorthair. 15 Oct 2017: FRONTLINE PLUS CATS (lot number unknown) was applied between the shoulder blades. UNKNOWN DATE: The pet experienced a rash on the skin in an unknown locations. The reporter could not provide details for this reaction. No further medical information expected.
01-Feb-2018	UAE; 18US005487; FL; U.S.A	**Species:** Feline **Breed:** Domestic Longhair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** 10 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	30-Jan-2018	30-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 1 Feb 2018, the owner reported the following event for Abby, 10 year old, 10 pound, spayed female, Domestic Shorthair feline. 30 Jan 2018: One vial of FRONTLINE PLUS CATS (R40601AW) was applied between the shoulder blades. After 2 hours the cat vomited and recovered shortly after that. The cat was not presented to the clinic. No further medical information is expected. UPDATE 30 Apr 2018: The owner reported the following for Abby. 30 Jan 2018: The cat flinched when the owner applied the product. An unknown date after the application the owner noticed a white spot of skin at the application site and some of the fur was missing. The owner continued to apply the product every month. The cat has the same symptoms each time the product is applied. 30 Apr 2018: The owner applied another dose of the product. The symptoms have increased in severity. No further medical information expected.
01-Feb-2018	UAE; 18US005555; IL; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:**	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products**	11-Jan-2018	12-Jan-2018	1 Day(s)	D-D	Suspected Adverse Event: On 1 Feb 2018, the pet owner reported the following event for Jinx, a 3 year old, 18 pound, neutered male Domestic Shorthair. 11 Jan 2018: One dose of FRONTLINE PLUS CATS (R40110AW) was topically applied to the cat for the first time. 12 Jan 2018: The cat started scratching at the application site.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Neutered **Age:** 3.00 Year(s) **Weight:** 18 lbs				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					1 Feb 2018: There was scabbing at the application site The cat was not seen by the vet and there are no other cats in the home. No further medical information available.
02-Feb-2018	UAE; 18US005706; WI; U.S.A	**Species:** Feline **Breed:** Domestic Longhair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Nov-2017	29-Nov-2017	4 Day(s)	D-D	Suspected Adverse Event: On 2 Feb 2018, the owner reported the following event for Sammy, 10 year old, neutered male, Domestic Longhair feline (all other signalments unknown). 25 Nov 2017: One vial of FRONTLINE PLUS CATS (P40101AW) was applied between the shoulder blades. 29 Nov 2017: The cat experienced hair loss at the application site. The pet was not presented to the clinic and no treatment was provided. 2 Feb 2018: Symptoms are still ongoing. There are two other cats in the household that did not receive the product and are asymptomatic. No further medical information is expected.
02-Feb-2018	UAE; 18US005773; FL; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Feb-2018*	02-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: On 2 Feb 2018 the owner reported the following even for a dog of unknown signalment. 1 Feb 2018: The dog was treated with FRONTLINE PLUS DOG 5-22 LBS (lot unknown). 2 Feb 2018: The dog was crying and had foam coming from its mouth. No further medical information expected.
02-Feb-2018	UAE; 18US005813; CA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** 7 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Feb-2018*	02-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 2 Feb 2018, the owner reported the following event for a Domestic Shorthair feline (all other signalments unknown). 2 Feb 2018: One vial of FRONTLINE PLUS CATS (lot unknown) was applied between the shoulder blades. After 6 hours the pet experienced anorexia and lethargy. It is unknown if the pet was presented to the clinic. The cat is currently taking an appetite stimulator (it is unknown if this was prescribed due to symptoms after Frontline application). The status of the pet is unknown. No further medical information is expected.
05-Feb-2018	UAE; 18US005882; AL; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Neutered **Age:** 6.00 Year(s) **Weight:** 50 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	31-Jan-2012*	31-Jan-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 5 Feb 2018 the owner's neighbor reported the following event for Princess, an approximately 6 year old, approximately 50 pound, spayed female, canine (unknown). 2012*: The dog started on 1 vial of FRONTLINE PLUS DOG 45-88 LBS given to the dog topically between the shoulder blades by the neighbor. The dog started running around and rolling in the grass. There is no visible irritation to the skin. The dog gets the product once a month and has the same symptoms each time the product

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Route: Topical / Cutaneous **Was the product used ok?:** Yes					is applied. The dog recovered after about 1 hour. 31 Jan 2018*: The dog received the last dose of FRONTLINE PLUS DOG 45-88 LBS (lot unknown). The dog had the same symptoms. The dog was not seen by a veterinarian or given any treatment. No further medical information expected.
05-Feb-2018	UAE; 18US005937; FL; U.S.A	**Species:** Feline **Breed:** Russian Blue **Sex:** M **Sex qualifier:** Neutered **Age:** 7.00 Year(s) **Weight:** 17 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Feb-2018	05-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 5 Feb 2018, the owner reported the following event for Boris, 7 year old, 17 pound, neutered male, Russian Blue. 5 Feb 2018: One vial of FRONTLINE PLUS CATS (R40601AW) was applied between the shoulder blades. The cat licked the product and experienced hypersalivation. The cat recovered shortly after that. The pet was not presented to the clinic and no treatment was administered. No further medical information is expected.
05-Feb-2018	UAE; 18US006026; MI; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	05-Feb-2018*	05-Feb-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 5 Feb 2018, the owner reported the following event for a canine (all other signalments unknown). Unknown date: One vial of FRONTLINE PLUS DOG (product unsubstantiated) (Lot unknown) was applied at an unknown location. The dog experiences lethargy sometimes following application but it could not be confirmed how many times this has happened. It is unknown if the pet was presented to the clinic or if any treatment was provided. The current status of the pet is unknown. No further medical information is expected.
05-Feb-2018	UAE; 18US006112; MI; U.S.A	**Species:** Canine **Breed:** Pit Bull **Sex:** M **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 68 lbs	6	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	04-Feb-2010*	05-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: On 5 Feb 2018, the owner reported the following event for Chevy, 8 year old, 68 pound, neutered male, Pit bull canine. 4 Feb 2018: One vial of FRONTLINE PLUS DOG (Lot unknown) was applied between the shoulder blades. 5 Feb 2018: The dog experienced increased itching and redness in groin region. The pet was not presented to the clinic and no treatment was applied. Symptoms are still ongoing. The dog has received the product monthly starting 4 Feb 2010*. There are 5 other dogs in the household also receiving FRONTLINE and are asymptomatic. No further medical information is expected.
30-Jan-2018	UAE; 18US006334; IA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** 8.12 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	14-Jul-2017	14-Jul-2017	0 Day(s)	D-D	Suspected Adverse Event: On 30 Jan 2018, the owner reported the following event for Squeaky, 10 year old, 8.12 pound, spayed female, Domestic Shorthair feline. 14 Jul 2017: One vial of FRONTLINE PLUS FOR CATS (lot unknown) was applied between the shoulder blades. The pet experienced a rash at the application site. Unknown date: The cat recovered. The cat also experienced symptoms with FRONTLINE GOLD (see case 18US004837). No further medical information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Was the product used ok?: Yes					
07-Feb-2018	UAE; 18US006384; MD; U.S.A	**Species:** Canine **Breed:** Chowchow **Sex:** F **Sex qualifier:** Neutered **Age:** 16.00 Month(s) **Weight:** 40 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	04-Feb-2016*	06-Feb-2018	12 Month(s) 1 Week(s)	D-D	Suspected Adverse Event: On 7 Feb 2018, the owner reported the following event for Molly, a 16 month old, 40 pound, spayed female Chowchow. 4 Feb 2018: Molly was treated topically to the skin with FRONTLINE PLUS DOG 45-88 LBS (FL) (lot and expiration unknown). 6 Feb 2018: Molly developed weeping and bleeding skin at the application site. Molly has not been seen by the vet for her ongoing symptoms, and has been on FL for the past year with no issues. No further medical information expected.
07-Feb-2018	UAE; 18US006444; SD; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** 16.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	05-Feb-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 7 Feb 2018, the owner reported the following event for Pepper, 16 year old, feline (all other signalments unknown). 5 Feb 2018: One vial of FRONTLINE PLUS CATS (lot unknown) was applied between the shoulder blades. Unknown date: The cat experienced hair loss at an unknown location. It is unknown if the pet was presented to the clinic or if any treatment was administered. The status of the cat is unknown. The cat has a history of flea allergy dermatitis. No further medical information is expected.
07-Feb-2018	UAE; 18US006551; FL; U.S.A	**Species:** Canine **Breed:** Shih Tzu **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Off label use / Indication)	09-Jan-2018	01-Feb-2018*	1 Day(s)	D-D	Suspected Adverse Event: On 7 Feb 2018, the owner reported the following event for 2 male Shih Tzu canines (all other signalments unknown). 31 Jan 2018: One vial of FRONTLINE PLUS DOG 23-44 LBS (M62016AL) was applied at a unknown location. Unknown date: Both dogs developed sores on their body that have started to scab over. It is unknown if the pets were presented to the clinic or if any treatment was adminsitered. The current status of the pets is unknown. Both dogs also received an application of Frontline on 9 Jan 2018. No further medical information is expected.
08-Feb-2018	UAE; 18US006601; NC; U.S.A	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** M **Sex qualifier:** Neutered **Age:** 9.00 Year(s) **Weight:** 7 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	25-Jan-2018*	08-Feb-2018	2 Week(s)	D-D	Suspected Adverse Event: On 8 Feb 2018, the owner reported the following event for Ernest T a 9 year old, 7 pound, neutered male Domestic Medium hair. 25 Jan 2018: One vial of FRONTLINE PLUS CATS (R40515AW) was topically applied to the cat between the shoulder blades. 8 fEB 2018: The cat has a sore at the application site. The cat has not been seen by the vet for his symptoms.It is unknown by the reported if the cat has benn treated in the past. No further medical information expected.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
08-Feb-2018	UAE; 18US006611; MN; U.S.A	**Species:** Canine **Breed:** Eskimo (Spitz) **Sex:** M **Sex qualifier:** Neutered **Age:** 9.00 Year(s) **Weight:** 43 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 136MCG/326MG ; **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Jun-2014*	27-Jun-2017	26 Day(s)	D-D	Suspected Adverse Event: On 8 Feb 2018 the veterinary technician reported the following event for Alaska, a 9 year old, 43 pound, neutered male, Eskimo (Spitz). Jun 2013*: The dog started on 1 dose of HEARTGARD PLUS (136 MCG/114 MG) given to the dog orally by the owner. The dog was treated monthly on a year round basis. Jun 2014*: The dog started on 1 vial of FRONTLINE PLUS DOG 23-44 LBS given to the dog topically (unknown site of administration) by the owner. The dog was treated monthly on a year round basis. Jun 2017*: the dog was treated with a dose of FRONTLINE PLUS DOG 23-44 LBS (lot unknown) and HEARTGARD PLUS (136 MCG/114 MG) (lot unknown, expiration date unknown). 27 Jun 2017: The dog started vomiting and was lethargic. Aug 2017*: The dog recovered. The dog was not seen by a veterinarian or given any treatment. No further medical information expected.
08-Feb-2018	UAE; 18US006730; TX; U.S.A	**Species:** Canine **Breed:** Dachshund (Miniature) **Sex:** F **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 10 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Dec-2017	17-Dec-2017	2 Day(s)	D-D	Suspected Adverse Event: On 8 Feb 2018, the veterinary staff, reported the following event for Gracie, a 10 pound, 8 year old, spayed female Miniature Dachshund. 15 Dec 2018: The dog had one vial of FRONTLINE PLUS DOG 5-22 LBS (lot unknown), applied between the shoulder blades, by the rescue. 17 Dec 2018: The dog presented to the clinic with a small wound seen on the left flank. An unknown time later the wound progressed into a bruise that spread up the abdomen to the shoulders. The dog was treated with an unknown antibiotic and an unknown topical ointment. It is unknown if the reaction continues.
09-Feb-2018	UAE; 18US006843; PA; U.S.A	**Species:** Canine **Breed:** Terrier Breeds (500 Series) **Sex:** M **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 38 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 136MCG/326MG ; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Feb-2017	08-Feb-2018	0 Day(s)	D-C	Suspected Adverse Event: On 9 Feb 2018, the owner reported the following event for Lester, a 3 year old, 38 pound, neutered male Terrier. *4 Feb 2018: The dog was administered one chew of HEARTGARD PLUS (HG) (136 MCG/114 MG) (6BC0224, April 2019). 8 Feb 2018: One vial of FRONTLINE PLUS DOG 23-44 LBS (FL) (663401) was given to the dog. That night the dog was trembling, urinated in the pet owner's bed, his tail was down, he wasn't eating, and he was also licking his private area. The dog had FL in the past (dates and length of time unknown by the reporter) and it is unknown if he had any past issues, but he has been on HG for years with no issues. The dog has issues with trembling in the past. No further medical information expected.
09-Feb-2018	UAE; 18US007032; FL; U.S.A	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	N/A	09-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 9 Feb 2018, the owner reported the following event for Baby, 3 year old, 8 pound, spayed female, Domestic Mediumhair feline. 9 Feb 2018: One vial of FRONTLINE PLUS CATS (R40101AW)

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: F **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 8 lbs				12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					was applied between the shoulder blades. The cat ingested the product immediately after the application and began hypersalivating. The pet was not presented to the clinic and no treatment was administered. The cat recovered after 2 minutes. No further medical information is expected.
09-Feb-2018	UAE; 18US007041; NJ; U.S.A	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 29 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Dec-2017	21-Dec-2017*	N/A	D-D	Suspected Adverse Event: On 9 Feb 2018, the owner reported the following event for Gracie, 5 year old, 29 pounds, spayed female, Mixed Breed canine. 20 Dec 2017: One vial of FRONTLINE PLUS DOG 23-44 (M52506AL) was applied between the shoulder blades. 21 Dec 2017*: The pet experienced increased itching and hair loss around tail. A hotspot developed around base of tail. 20 Jan 2018: Another vial was applied. Symptoms worsened. 9 Feb 2018: Symptoms are still ongoing. No further medical information is expected.
09-Feb-2018	UAE; 18US007053; FL; U.S.A	**Species:** Feline **Breed:** Calico **Sex:** F **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: On 9 Feb 2018, the owner reported the following event for Cleo, 10 year old, spayed female, Calico feline (all other signalment unknown). 6 Feb 2018: One vial of FRONTLINE PLUS CATS (M41702AW) was applied between the shoulder blades around 8:00pm. 7 Feb 2018: The cat experienced lethargy, anorexia, and strange behavior. The cat was not presented to the clinic and no treatment was provided. There is one other cat in the household that also experienced symptoms after using the FRONTLINE (see case 18US007054). No further medical information is expected.
09-Feb-2018	UAE; 18US007054; FL; U.S.A	**Species:** Feline **Breed:** Feline mixed/various breeds **Sex:** F **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** Depo Medrol; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	07-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: On 9 Feb 2018, the owner reported the following event for Ringo, 4 year old, spayed female, Mixed Breed feline (all other signalment unknown). 6 Feb 2018: One vial of FRONTLINE PLUS CATS (M41702AW) was applied between the shoulder blades around 12:00pm by the veterinarian. 7 Feb 2018: The cat experienced lethargy, anorexia, and strange behavior. The cat was not presented to the clinic and no treatment was provided. The cat received an injection of Depo-Medrol prior to application due to pre existing flea allergy dermatitis. There is one other cat in the household that also experienced symptoms after using the FRONTLINE (see case 18US007053). No further medical information is expected.
13-Feb-2018	UAE; 18US007449; WY; U.S.A	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Neutered **Age:** -	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products**	12-Feb-2018	13-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: On 13 Feb 2018, the owner reported the following event for Shiloh, a 15 pound, spayed female Siamese. 12 Feb 2018: One vial of FRONTLINE PLUS CATS (R40110AW) was applied to the skin between the shoulder blades on 12 Feb 2018 for the first time.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Weight: 15 lbs				**used:** Cosequin; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					13 Feb 2018: The cat vomited three times. The cat has not been seen by the vet and the owner is monitoring her condition. The cat has a history of vomiting and she also has a joint condition which she takes Cosequin daily since June. There are no other cats in the home. No further medical information expected.
13-Feb-2018	UAE; 18US007473; IN; U.S.A	**Species:** Canine **Breed:** Terrier Breeds (500 Series) **Sex:** M **Sex qualifier:** Neutered **Age:** 11.00 Year(s) **Weight:** 46.5 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Aug-2016*	02-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: On 13 Feb 2018, the veterinary staff reported the following event for Milo, an 11 year old, 46.5 pound, neutered male Terrier mix. 1 Feb 2018: The dog had one vial of FRONTLINE PLUS DOG 23-44 LBS (P60505AL), applied topically, between the shoulder blades, by the pet owner. 2 Feb 2018: The dog presented to the clinic with hair loss and redness at the application site. The veterinarian treated with diphenhydramine and dexamethasone-SP. The dog has received FRONTLINE PLUS since Aug 2016 with no reaction seen. No further medical information expected.
13-Feb-2018	UAE; 18US007494; TN; U.S.A	**Species:** Canine **Breed:** Dachshund **Sex:** M **Sex qualifier:** - **Age:** - **Weight:** -	-	-	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	08-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 13 Feb 2018, the owner reported the following event for Baxter, 2 year old, intact male, Dachshund canine (all other signalments unknown). 8 Feb 2018: One vial of FRONTLINE PLUS DOG 5-22 LBS (R60521AL) was applied between the shoulder blade. After 1 hour the dog vomited and experienced diarrhea. Later that day the pet recovered. The pet was not presented to the clinic. It is unknown if any treatment was administered. There is one other dog in the household that also received FRONTLINE and experienced symptoms (see case 18US007599). No further medical information is expected.
13-Feb-2018	UAE; 18US007592; OH; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	08-Nov-2017*	15-Dec-2017	5 Week(s) 2 Day(s)	D-D	Suspected Adverse Event: On 13 Feb 2018, the owner reported the following event for two cats of unknown signalment. *8 Nov 2017: FRONTLINE PLUS CATS (lot unknown) was given to an unknown number of cats. 15 Dec 2017: The cats started to have diarrhea. The owner declined the report. No further information expected.
13-Feb-2018	UAE; 18US007599; TN; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Unknown **Age:** 2.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	N/A	08-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 13 Feb 2018, the owner reported the following event for Cricket, 2 year old, intact female, canine (all other signalments unknown). 8 Feb 2018: One vial of FRONTLINE PLUS DOG 5-22 LBS (R60521AL) was applied between the shoulder blade. After 1 hour the dog vomited and experienced diarrhea. Later that day the pet recovered. The pet was not presented to the clinic. It is unknown if any treatment was administered. There is one other dog in the household that also received FRONTLINE and experienced symptoms (see case 18US007494).

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Was the product used ok?: Yes					No further medical information is expected.
15-Feb-2018	UAE; 18US007931; CA; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Neutered **Age:** 6.00 Month(s) **Weight:** 6 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	03-Feb-2018	14-Feb-2018	N/A	D-D	Suspected Adverse Event: On 15 Feb 2018, the owner reported the following event for Luna, a 6 month old, spayed female cat. 3 Feb 2018: The owner applied one vial of FRONTLINE PLUS CATS (lot unknown) topically to the cat for the first time. Within 1-2 minutes the cat licked the application site and started running around, making noises, gagging, and licking. The cat vomitied a clear liquid. The cat recovered in 30 mins without vet. 15 Feb 2018: The owner reapplied another application and the cat had the same symtpoms and recovered in the same time without vet assistance. There is one other cat in the home who also had a reaction, see case 17US008139. No further medical information expected.
15-Feb-2018	UAE; 18US007947; NY; U.S.A	**Species:** Canine **Breed:** Papillon **Sex:** M **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 12.3 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Hydroxyzine; Doxycycline; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Feb-2014*	14-Feb-2018	12 Month(s) 2 Week(s)	D-D	Suspected Adverse Event: On 15 Feb 2018, the veterinarian reported the following event for Tito, an 8 year old, 12.3 pound, neutered male Papillon. 5 Feb 2018: One vial of FRONTLINE PLUS DOG 5-22 LBS (FL) was topically applied to the dog 14 Feb 2018: The dog had redness and itching at the application site. 15 Feb 2018: The dog was seen by the vet and was treated with Prednisone. The dog has been on FL for many year without issues. The dog does suffer from allergies and coughing and takes Doxycycline and Hydroxyzine. No further medical information expected.
15-Feb-2018	UAE; 18US008032; MN; U.S.A	**Species:** Feline **Breed:** Norwegian Forest Cat **Sex:** F **Sex qualifier:** Neutered **Age:** 1.50 Year(s) **Weight:** 9.5 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	13-Feb-2017*	13-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 13 Feb 2018 the owner reported the following event for Nova, an approximately 1.5 year old, 9.5 pound, spayed female, Norwegian Forest Cat/Unknown mixed breed. Feb 2017*: The cat started on 1 vial of FRONTLINE PLUS CATS given to the cat topically between the shoulder blades, by the owner. The cat was treated monthly. 13 Feb 2018: the cat was given 1 vial of the product (lot unknown) and the cat licked the product. The cat started drooling 10 minutes after the application. The owner gave the cat water and the cat recovered about 15 minutes later. The cat was not seen by a veterinarian or given any treatment. No further medical information expected.
15-Feb-2018	UAE; 18US008139; CA; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 6.00 Month(s)	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products	03-Feb-2018	14-Feb-2018	N/A	D-D	Suspected Adverse Event: On 15 Feb 2018, the owner reported the following event for Oreo, a 6 month old, neutered male cat. 3 Feb 2018: The owner applied one vial of FRONTLINE PLUS CATS (lot unknown) topically to the cat for the first time. Within 1-2 minutes the cat licked the application site and started running around, making noises, gagging, and licking. The cat also vomitied a clear liquid. The cat recovered in 30 mins without vet. 15 Feb 2018: The owner reapplied another application and the cat

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Weight: 5 lbs				**Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					had the same symtpoms and recovered in the same time without vet assistance. There is one other cat in the home who also had a reaction, see case 17US007931. No further medical information expected.
16-Feb-2018	UAE; 18US008153; NY; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	16-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 16 Feb 2018, the owner reported the following event for a Domestic Shorthair (signalment unknown). 16 Feb 2018: One vial of FRONTLINE PLUS CATS (R40110AW) was applied to the cat and the cat started licking the application site. No further medical information expected.
16-Feb-2018	UAE; 18US008261; PA; U.S.A	**Species:** Canine **Breed:** Lhasa Apso **Sex:** F **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 22.3 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** RECOMBITEK LYME - 2126.R0; **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Dec-2017*	09-Feb-2018	8 Day(s)	D-D	Suspected Lack of Efficacy Claim: On 16 Feb 2018, the veterinarian reported the following event for Anita, a 5 year old (born 10 Dec 2012) 22.3 pound female spayed Lhaso Apso mix. 6 Jan 2017, 27 Jan 2017, and 9 Jan 2018: The dog was vaccinated with RECOMBITEK LYME (42217, 8 Dec 2018) 1ml, left hind, SC by a veterinarian. 6 Jan 2017: Negative for Lyme via an Idexx 4Dx snap. 9 Feb 2018: Positive for Lyme via an Idexx 4Dx snap test. A Quant C6 is pending and the clinic performed a Urinalysis that was WNL. The clinic treated with Doxycycline. The dog was also on FRONTLINE (unsubstantiated) (lot and expiration unknown) on unknown dates. No further medical information expected. UPDATE As reported by the veterinarian, the IDEXX Lyme Quant C6 result was 349. UPDATE 20 Feb 2018: Per medical records the owner stated she removed an unknown number of ticks from the dog 25 Dec 2016*. No further information is expected.
16-Feb-2018	UAE; 18US008325; CA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 10 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Feb-2018	12-Feb-2018	2 Day(s)	D-D	Suspected Adverse Event: On 16 Feb 2018, the owner reported the following event for Leo, a 1 year old, 10 pound, neutered male cat. 10 Feb 2018: Leo was treated with one vial of FRONTLINE PLUS CATS (R40202AW) topically between the shoulder blades for the first time. 12 Feb 2018: The cat started to lose fur all over his body and was lethargic. 15 Feb 2018: Leo was taken to the vet and given a medicated bath, anti-inflammatory, and cortisone spray. There is one other treated cat in the home who did not have a reaction. No further medical information available.
16-Feb-2018	UAE; 18US008341;	**Species:** Canine **Breed:** Canine	1	1	0	**Product used:** FIPRONIL	16-Feb-2018*	16-Feb-2018	0 Day(s)	D-C	Suspected Adverse Event: On 16 Feb 2018 the owner reported the following event for an unknown canine (all signalments unknown).

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
	WA; U.S.A	(unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					16 Feb 2018: 1 vial of FRONTLINE PLUS DOG 89-132 LBS (UNKNOWN) was given to the dog (unknown route, unknown site of application) by the owner. It is unknown if this was the first dose applied. The dog may have licked the product about 3 hours after the application. The dog became lethargic, was crying out and shaking, and had an increased heart rate. It is unknown if the dog was seen by a veterinarian or given any treatment. The dog's current status is unknown. No further medical information expected.
20-Feb-2018	UAE; 18US008415; NY; U.S.A	**Species:** Canine **Breed:** Beagle **Sex:** M **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 40 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	18-Feb-2018	18-Feb-2018	0 Day(s)	D-C	Suspected Adverse Event: On 20 Feb 2018 a family member reported the following event for Stanley, an 8 year old, 40 pound, neutered male, Beagle/unknown mixed breed. 18 Feb 2018: 1 vial of FRONTLINE PLUS DOG 23-44 LBS (R60316AL) was given to the dog topically from the shoulder blades down the back. This was the first dose applied. Approximately 10 minutes after the application, the dog was jerking, shaking and lying down. The owner bathed the dog about 3 minutes later and the symptoms stopped. The dog was not seen by a veterinarian or given any treatment. There were 2 other dogs that were treated and had symptoms (see cases 18US008472 and 18US008474). No further medical information expected.
20-Feb-2018	UAE; 18US008438; -; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	04-Jan-2018	05-Feb-2018*	31 Day(s)	D-D	Suspected Adverse Event: On 20 Feb 2018, a sales representative reported the following event for a Feline of unknown signalment. 4 Jan 2018: The pet owner purchased FRONTLINE PLUS CATS (lot unknown) and applied on an unknown date for the first time. An unknown amount of time later the cat developed a dime sized ulcerative lesion between its shoulder blades at the site of application. The foot pads of three of the cat's feet also developed sores, became very soft and felt like they had fluid under them. 17 Feb 2018: The cat presented to the clinic where laboratory work was performed yielding normal results. The cat was treated with a compounded prednisolone 10mg/ml solution, 0.2ml once a day for 7 days. The cat was in good health prior to FRONTLINE PLUS CATS being applied and had no known history of drug or vaccine reactions. The cat's current status is unknown. The veterinarian has a high level of suspicion that the reaction was caused by the FRONTLINE PLUS CATS. No further medical information expected.
20-Feb-2018	UAE; 18US008459; FL; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous	19-Feb-2018*	20-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: On 20 Feb 2018 the owner reported the following event for a female, Domestic Shorthair (Crossbreed) (all other signalments unknown). 19 Feb 2018: An unknown amount of FRONTLINE PLUS DOG 89-132 LBS (lot unknown) was given to the cat topically on the tail by the owner. It is unknown if this was the first dose applied. 20 Feb 2018: The cat was foaming at the mouth and the cat's eyes were frosty. It is unknown if the cat was seen by a veterinarian. The owner gave the cat a bath and the foaming stopped but it is unknown if

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Was the product used ok?: No (Treatment / vaccination program not respected)					the rest of the symptoms are ongoing. No further medical information expected.
20-Feb-2018	UAE; 18US008467; MI; U.S.A	**Species:** Canine **Breed:** Dachshund **Sex:** F **Sex qualifier:** Neutered **Age:** 9.00 Year(s) **Weight:** 21 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 68MCG/163MG; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Jan-2009*	20-Jan-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 20 Feb 2018, the owner reported the following event for Roxy, a 9 year old, 21 pound, spayed female Dachshund/ Beagle mix. *20 Jan 2018: The owner applied one dose to the skin between shoulder blades of FRONTLINE PLUS DOG 23-44 LBS (M62305BL). Following the treatment the dog became lazy, walking around, slow, not herself, she looks around, and stays in her cage for 24 hours and then recovers without vet assistance. The dog has behaved this way each time the application is given in the inside of the home, but doesn't have any reactions when the product is applied to her outside, this has been happening all her life. The dog also takes HEARTGARD PLUS (68 MCG/57 MG) (lot and expiration unknown) and has been all her life with no issues. There are no other dogs in the home. No further medical information expected.
20-Feb-2018	UAE; 18US008472; NY; U.S.A	**Species:** Canine **Breed:** Beagle **Sex:** F **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 40 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	18-Feb-2018	18-Feb-2018	0 Day(s)	D-C	Suspected Adverse Event: On 20 Feb 2018 a family member reported the following event for Sophie, an 8 year old, 40 pound, spayed female, Beagle/unknown mixed breed. 18 Feb 2018: 1 vial of FRONTLINE PLUS DOG 23-44 LBS (R60316AL) was given to the dog topically from the shoulder blades down the back. This was the first dose applied. Approximately 10 minutes after the application, the dog was jerking, shaking and lying down. The owner bathed the dog about 3 minutes later and the symptoms stopped. The dog was not seen by a veterinarian or given any treatment. There were 2 other dogs that were treated and had symptoms (see cases 18US008415 and 18US008474). No further medical information expected.
20-Feb-2018	UAE; 18US008474; NY; U.S.A	**Species:** Canine **Breed:** Beagle **Sex:** F **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 40 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination	18-Feb-2018	18-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 20 Feb 2018 a family member reported the following event for Mitzy, an 8 year old, 40 pound, spayed female, Beagle/unknown mixed breed. 18 Feb 2018: 1 vial of FRONTLINE PLUS DOG 23-44 LBS (R60316AL) was given to the dog topically from the shoulder blades down the back. This was the first dose applied. Approximately 10 minutes after the application the dog was lethargic. The owner bathed the dog about 3 minutes later and the symptoms stopped. The dog was not seen by a veterinarian or given any treatment. There were 2 other dogs that were treated and had symptoms (see cases 18US008415 and 18US008472). No further medical information expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						program not respected)					
20-Feb-2018	UAE; 18US008506; FL; U.S.A	**Species:** Canine **Breed:** Keeshond **Sex:** F **Sex qualifier:** Neutered **Age:** 12.00 Year(s) **Weight:** 32 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Interceptor; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	14-Feb-2008*	14-Feb-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 20 Feb 2018 the owner reported the following event for Charlotte, a 12 year old, 32 pound, spayed female, Keeshond. 2006*: The dog started on Interceptor. 2008*: The dog started on 1 vial of FRONTLINE PLUS DOG 23-44 LBS given to the dog topically between the shoulder blades, by the owner. The owner treated monthly but switched to a different product for an unknown amount of time. 1 Feb 2018*: The dog was given Interceptor. 14 Feb 2018*: The dog was given a dose of FRONTLINE PLUS DOG 23-44 LBS (R60811AL). The dog started itching that night. The owner did not see any fleas. 17 Feb 2018: The owner gave the dog a bath and the dog recovered. The dog was not seen by a veterinarian or given any treatment. No further medical information expected.
20-Feb-2018	UAE; 18US008566; NY; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 8.00 Month(s) **Weight:** 10.2 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Oct-2017	19-Jan-2018	0 Day(s)	D-D	Suspected Adverse Event: On 20 Feb 2018, the office manager reported the following event for Montana , an 8 month old 10.2 pound, spayed female Domestic Shorthair. 19 Jan 2018: One vial of FRONTLINE PLUS CATS (FL) (M41110AW) was topically applied to cat. Following the treatment the cat vomited continuously, she was lethargic, and wouldn't eat for 3-4 days. *23 Jan 2018 : The cat recovered. The cat has been on FL monthly since Oct 2017 and also had the same issues with the treatment given in December. There are no other cats in the home. No further medical information expected.
20-Feb-2018	UAE; 18US008572; IN; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Dec-2017*	15-Feb-2018*	2 Week(s)	D-D	Suspected Adverse Event: On 20 Feb 2018 the owner reported the following event for an unknown feline (all signalments unknown). Dec 2017*: The cat started on 1 vial of FRONTLINE PLUS CATS given to the cat topically between the shoulder blades by the owner. This was the first dose applied. The cat had fleas prior to the first dose. Approximately 2-3 weeks after the application the owner started to see scabs and the cat was losing fur. The cat recovered after an unknown amount of time. The cat had the same symptoms after each dose. Feb 2018*: The cat received the last dose of FRONTLINE PLUS CATS (lot unknown). The cat had the same symptoms. The owner is not seeing any fleas on the cat or in the home. The cat was not seen by a veterinarian or given any treatment. The cat's current status is unknown. The cat does go outside and there has been a stray cat in the neighborhood that is thought to have fleas. No further medical information expected.
20-Feb-2018	UAE; 18US008649; CA; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products	01-Dec-2017*	01-Dec-2017*	0 Day(s)	D-D	Suspected Adverse Event: On 20 Feb 2018 the owner reported the following event for an unknown canine (all signalments unknown). Dec 2017*: An unknown amount of FRONTLINE PLUS DOG 89-132 LBS (lot unknown) was given to the dog (unknown route and site of application) by the owner. It is unknown if this was the first dose applied. Unknown date: The dog had a burn at the application site. The owner bathed the dog. The dog recovered on an unknown date.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Route: unknown **Was the product used ok?:** Unknown to Company					The owner continued to use the product with no problems. It is unknown if the dog was seen by a veterinarian or given any treatment. No further medical information expected.
21-Feb-2018	UAE; 18US008767; NJ; U.S.A	**Species:** Canine **Breed:** Maltese **Sex:** F **Sex qualifier:** Neutered **Age:** 9.00 Year(s) **Weight:** 16 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Feb-2010*	06-Feb-2018	0 Day(s)	D-C	Suspected Adverse Event: On 21 Feb 2018, the owner reported the following event for Gemma, 9 year old, 16 pound, spayed female, Maltese. 6 Nov 2017: One vial of FRONTLINE PLUS DOG (P60507AL) was applied between the shoulder blades. After 30 minutes the pet experienced vomiting and diarrhea. Unknown date: The pet recovered. 6 Feb 2018: Another vial of FRONTLINE was applied. After 30 minutes the pet experienced diarrhea. 13 Feb 2018: The pet was presented to the clinic and diagnosed with Lyme disease. The veterinarian prescribed an antibiotic. 21 Feb 2018: Symptoms are still ongoing. The pet has received FRONTLINE on a monthly basis since 6 Feb 2010* no symptoms presented. No further medical information is expected.
21-Feb-2018	UAE; 18US008834; TX; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	21-Feb-2018*	21-Feb-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 21 Feb 2018, the veterinarian technician called to report the following event for a cat of unknown signalment On an unknown date the cat licked the application site and started to drool. No further medical information available.
21-Feb-2018	UAE; 18US008894; VA; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2018*	01-Jan-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 21 Feb 2018 the owner reported the following event for an unknown canine (all signalments unknown). Unknown date: An unknown amount of FRONTLINE PLUS DOG 45-88 LBS (lot unknown) was given to the dog (unknown route and site of application) by the owner. It is unknown if this was the first dose applied. On an unknown date, the dog was off its feet. The dog was not eating or drinking. It is unknown if the dog was seen by a veterinarian or given any treatment. The dog's current status is unknown. No further medical information expected.
22-Feb-2018	UAE; 18US008975; NJ; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products	01-Jan-2015*	01-Jan-2015*	0 Day(s)	D-D	Suspected Adverse Event: On (date reported) the (reporter title) reported the following Suspected Adverse Event: On 22 Feb 2018 the owner reported the following event for an unknown feline (all signalments unknown). 2015*: an unknown amount of FRONTLINE PLUS CATS (lot unknown) was given to the cat (unknown route and site of application) by the owner. It is unknown if this was the first dose applied. On an unknown date after the application, the cat lost fur

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Route: unknown **Was the product used ok?:** Unknown to Company					at the application site. It is unknown if the cat was seen by a veterinarian or given any treatment. The symptoms are ongoing. No further medical information expected.
22-Feb-2018	UAE; 18US009043; TX; U.S.A	**Species:** Canine **Breed:** Shetland Sheep Dog (Sheltie) **Sex:** F **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 17 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 68MCG/163MG; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	14-Feb-2016*	14-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 22 Feb 2018 the owner reported the following event for Serge, a 2 year old, 17 pound, spayed female, Shetland Sheep Dog (Sheltie). Jan 2016*: The dog started on 1 vial of HEARTGARD PLUS (68 MCG/57 MG) given to the dog orally by the owner. The dog was treated monthly on a year round basis. Feb 2016*: The dog started on 1 vial of FRONTLINE PLUS DOG 5-22 LBS given to the dog topically between the shoulder blades by the owner. The dog was treated monthly. The dog started itching after the application and the symptoms lasted about 10-15 minutes. 14 Feb 2018: The dog received 1 vial of FRONTLINE PLUS DOG 5-22 LBS (P62927AL). The dog had the same symptoms. The dog also received a dose of HEARTGARD PLUS (68 MCG/57 MG) (lot unknown, expiration unknown) but it was after the symptoms had already started. The dog recovered after 10-15 minutes. The dog was not seen by a veterinarian or given any treatment. The dog had symptoms on an unknown flea and tick control product before where the dog was severely itching. No further medical information expected.
22-Feb-2018	UAE; 18US009152; GA; U.S.A	**Species:** Canine **Breed:** Pit Bull **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** 70 lbs	5	5	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Adams Flea and Tick Shampoo; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Feb-2018*	08-Feb-2018*	0 Day(s)	D-C	Suspected Adverse Event: On 22 Feb 20189 the owner reported the following event for five 70 pound, pitbulls (all other signalments unknown). 8 Feb 2018*: The dogs were bathed with Adams Flea and Tick Shampoo. After they dried, 1 vial of FRONTLINE PLUS DOG 45-88 LBS (P60719AR) was given to each dog topically between the shoulder blades, by the owner. This was the first dose applied. The dogs had fleas prior to the application. Approximately 1 hour after the application the dogs had hives all over the body. 10 Feb 2018*: The dogs were seen by a veterinarian and given an unknown injection. The dogs recovered. No further medical information expected.
23-Feb-2018	UAE; 18US009363; FL; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 11.00 Year(s) **Weight:** 28 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	20-Feb-2008*	20-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 23 Feb 2018 the owner reported the following event for Tigger, an 11 year old, 28 pound, neutered male, Feline (unknown). 2008*: The cat started on 1 vial of FRONTLINE PLUS CATS given to the cat topically between the shoulder blades, by the owner. The cat was only treated as needed. 20 Feb 2018: The cat was treated with 1 vial of FRONTLINE PLUS CATS (lot unknown). The cat had fleas prior to the first dose. The cat started pulling out hair all over the body. 22 Feb 2018: The cat recovered. The cat was not seen by a veterinarian or given any treatment. No further medical information expected.
23-Feb-2018	UAE; 18US009384; MT; U.S.A	**Species:** Canine **Breed:** Yorkshire Terrier	1	1	0	**Product used:** FIPRONIL 10%/S	N/A	23-Feb-2018	1 Week(s)	D-D	Suspected Adverse Event: On 23 Feb 2018, the owner reported the following event for Buddy, 5 year old , 19 pound, neutered male, Yorkshire Terrier canine.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: M **Sex qualifier:** Neutered **Age:** 5.00 Year(s) **Weight:** 19 lbs				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					16 Feb 2018: One vial of FRONTLINE PLUS DOG 5-22 LBS (lot unknown) was applied between the shoulder blades. 23 Feb 2018: The pet experienced lethargy and anorexia. The pet was not presented to the clinic and no treatment was administered. Symptoms are still ongoing. No further medical information is expected.
26-Feb-2018	UAE; 18US009460; GA; U.S.A	**Species:** Canine **Breed:** Wheaton Terrier **Sex:** M **Sex qualifier:** - **Age:** 3.00 Month(s) **Weight:** 18.8 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 68MCG/163MG; panacur; **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	15-Feb-2018	15-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 26 Feb 2018, a clinic staff reported the following event for Bentley, an 18.8 pound, 3 month old (born 27 Oct 2017), intact male Wheaton Terrier. 15 Dec 2017: Received HEARTGARD PLUS (68 MCG/57 MG) (7BC0408, May 2020) for the first time. 15 Feb 2018: Received the most recent chew after a full meal. 10-15 minutes later, Bentley vomited once and recovered. Bentley also received an unknown FRONTLINE (unsubstantiated)(lot unknown) and Panacur. Bentley did not present to the clinic and was in good health prior to chew administration. There are no known drug or vaccine reactions. No further medical information expected.
26-Feb-2018	UAE; 18US009492; FL; U.S.A	**Species:** Feline **Breed:** Siamese **Sex:** F **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 9 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	22-Feb-2018	22-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 26 Feb 2018 the owner reported the following event for Nila, a 2 year old, approximately 9 pound, spayed female, Siamese. 22 Feb 2018: 1 vial of FRONTLINE PLUS CATS (R40601AW) was given to the cat topically between the shoulder blades, by the owner. This was the first dose applied. The cat licked some of the product. The cat started hypersalivating. 23 Feb 2018: The cat recovered. The cat was not seen by a veterinarian or given any treatment. No further medical information expected.
26-Feb-2018	UAE; 18US009513; CT; U.S.A	**Species:** Canine **Breed:** Dachshund (Miniature) **Sex:** F **Sex qualifier:** - **Age:** 11.00 Month(s) **Weight:** 8 lbs	4	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment /	23-Jun-2017	24-Nov-2017	9 Week(s) 1 Day(s)	D-B	Suspected Adverse Event: On 26 Feb 2018 the owner reported the following event for Elbee, an 11 month old, approximately 8 pound, non-pregnant non-lactating intact female, Dachshund (Miniature). 23 Jun 2017: The dog started on 1 vial of FRONTLINE PLUS DOG 5-22 LBS given to the dog topically between the shoulder blades, by the owner. The dog was treated every 5 weeks. 21 Sep 2017: The dog received another dose of the product (lot unknown). 24 Nov 2017: The dog had a seizure that lasted about 1 minute. 21 Dec 2017: The dog had another seizure lasting about 3 minutes. 30 Dec 2017: The dog had another seizure lasting about 7 minutes. 18 Jan 2018: The dog had a seizure lasting about 3 minutes.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						vaccination program not respected)					22 Jan 2018: The dog was seen by a veterinarian and given Potassium Bromide. 14 Feb 2018: The dog had a seizure lasting about 4 minutes. 19 Feb 2018: The dog was seen by a veterinarian and given Keppra. The dog has not had any other seizures. No further medical information expected.
26-Feb-2018	UAE; 18US009621; MO; U.S.A	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** F **Sex qualifier:** Neutered **Age:** 12.00 Month(s) **Weight:** 8.4 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 68MCG/163MG; **Route:** PO-Oral **Was the product used ok?:** Yes	N/A	25-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 26 Feb 2018, a veterinarian reported the following event for Essie, a 12 month old (born on 15 Feb 2017), 8.4 pound, spayed female Yorkshire Terrier. 25 Feb 2018: The dog received two thirds of a chew of HEARTGARD PLUS (68 MCG/57 MG) (6BC0262, 31 Jul 2019), administered orally, by the pet owner and 1 full vial of FRONTLINE PLUS DOG 5-22 LBS (lot number unknown) applied topically, between the shoulder blades, by the pet owner, at approximately 1:30 or 2:00 pm. Soon after application, the dog became very shaky. She did not present to the veterinary clinic for examination or treatment. She fully recovered at approximately 10 pm. Essie has been receiving HEARTGARD PLUS and FRONTLINE PLUS on a monthly basis for an unknown period of time without incident. The veterinarian has a low level of suspicion that the HEARTGARD PLUS and FRONTLINE PLUS caused the reaction. No further medical information expected.
26-Feb-2018	UAE; 18US009787; NJ; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 13.00 Year(s) **Weight:** 14 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	20-Feb-2018	4 Day(s)	D-D	Suspected Adverse Event: On 26 Feb 2018, the owner reported the following event for Harry, 13 year old, 14 pound, neutered male, Domestic Shorthair feline. 16 Feb 2018: One vial of FRONTLINE PLUS CATS (M41310AW) was applied between the shoulder blades. 20 Feb 2018: The cat experienced increased licking, shedding, and vomiting (hair balls). The cat was not presented to the clinic and no treatment was provided. 26 Feb 2018: Symptoms are still ongoing. The cat also received FRONTLINE on a prior unknown date and no symptoms presented. No further medical information is expected.
26-Feb-2018	UAE; 18US009791; CA; U.S.A	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 23 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	22-Feb-2018	3 Hours(s)*	D-C	Suspected Adverse Event: On 26 Feb 2018, the owner reported the following event for Dublin, 1 year old, 23 pound, spayed female, mixed breed canine. 22 Feb 2018: One vial of FRONTLINE PLUS DOG 23-44 LBS (M63401BL) was applied between the shoulder blades. After a few hours the dog experienced neurological issues. The pet starting spinning and licking excessively. The pet was not presented to the clinic and no treatment was provided. 25 Feb 2018: The dog recovered The dog also received FRONTLINE on a prior unknown date and the exact same symptoms presented. No further medical information is expected.
27-Feb-2018	UAE; 18US009839; WI; U.S.A	**Species:** Canine **Breed:** Boxer **Sex:** M **Sex qualifier:** - **Age:** 8.00 Year(s) **Weight:** 83 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	04-Dec-2017*	04-Dec-2017	0 Day(s)	D-D	Suspected Lack of Efficacy Claim: On 27 Feb 2018, the veterinary technician reported an event for Tyson, a 8 year old, 83 pound, intact Male Boxer. 3 Jan 2018: One chew of NEXGARD (136 mg) (lot and expiration unknown) was given to the dog for the first time and the dog continued to have fleas after the treatment.

N/A signifies the information for this field is either not available or not applicable

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						used: AFOXOLANER 136 MG CHEWABLE TABLETS; **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					4 Feb 2018: A second chew of NG was given and the dog continued to have fleas after the treatment. 27 Feb 2018: The owner found one flea on the dog and she noticed her son is being bit. The dog was using FRONTLINE PLUS DOG 45-88 LBS (lot unknown) in Dec 4, 2017 before starting NG. There are no other dogs or cats in the home. No further medical information expected.
27-Feb-2018	UAE; 18US009885; CA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	4	4	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	12-Feb-2017*	26-Feb-2018	2 Week(s)	D-D	Suspected Adverse Event: On 27 Feb 2018, the owner reported the following event for 4 cats of unknown signalment. 12 Feb 2018: The owner applied one vial of FRONTLINE PLUS CATS (lot unknown) to each cat. *26 Feb 2018: The cats started to itch and the owner is seeing a moderate amount of fleas. The owner declined the report. No further medical information expected.
27-Feb-2018	UAE; 18US009971; NJ; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** - **Age:** 20.00 Week(s) **Weight:** 27.2 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Metronidazole; **Route:** PO-Oral **Was the product used ok?:** No (Route not indicated / recommended)	27-Feb-2018	27-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 27 Feb 2018 the veterinary technician reported the following event for Parker, a 20 week old, 27.2 pound, intact male, canine (all other signalments unknown). 13 Feb 2018: The dog started on Metronidazole. The dog was given 2 doses a day. 20 Feb 2018: the dog received the last dose of Metronidazole. 27 Feb 2018: 1 vial of FRONTLINE PLUS DOG 23-44 LBS (M62305BL) was given to the dog (orally by the owner. This was the first dose administered. The dog started vomiting. The dog was not seen by a veterinarian or given any treatment. The symptoms are ongoing. No further medical information expected.
28-Feb-2018	UAE; 18US010210; IA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 8.00 Year(s) **Weight:** 9.3 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	01-Sep-2015*	01-Oct-2017*	0 Day(s)	D-B	Suspected Adverse Event: On 28 Feb 2018, the veterinarian reported the following event for Sophie, a 9.3 pound, 8 year old (born 1 Mar 2009*), spayed female Domestic Shorthair. 1 Sep 2015*: Sophie started on the FRONTLINE PLUS CATS (product unsubstantiated)(Lot and Expiration Unknown). 1 Oct 2017*: Sophie received 1 dose of FRONTLINE, topically in an unknown location. Minutes later, the pet experienced a seizure for an unknown amount of time. She recovered an unknown amount of time later. The pet was not presented to the clinic. The pet does not have a history of drug reactions. No further medical information expected.
28-Feb-2018	UAE; 18US010263;	**Species:** Feline **Breed:** Feline	3	1	0	**Product used:** FIPRONIL	N/A	14-Feb-2018*	23 Day(s)	D-D	Suspected Adverse Event: On 28 Feb 2018 the owner reported the following event for an unknown feline (all signalments unknown).

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
	FL; U.S.A	(unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					22 Jan 2018: An unknown amount of FRONTLINE PLUS CATS (lot unknown) was given to the cat (unknown route and site of application) by the owner. The cat has been on the product for an unknown amount of time and the owner switches between treating with FRONTLINE and Revolution. 14 Feb 2018*: The cat had sores at the base of its neck. It is unknown if the cat was seen by a veterinarian or given any treatment. The symptoms are ongoing. The cat had the same symptoms before while using Revolution. No further medical information expected.
28-Feb-2018	UAE; 18US010296; FL; U.S.A	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** F **Sex qualifier:** - **Age:** 20.00 Week(s) **Weight:** 4 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Species not indicated / recommended)	27-Feb-2018	27-Feb-2018	0 Day(s)	D-C	Suspected Adverse Event: On 27 Feb 2018 the veterinarian reported the following event for Daisy, a 20 week old, 4 pound, non-pregnant non-lactating, intact female, Domestic Mediumhair (Crossbreed). 27 Feb 2018: 1 vial of FRONTLINE PLUS DOG 5-22 LBS (lot unknown) was given to the cat topically between the shoulder blades, by the owner. This was the first dose applied. The cat became lethargic and the head and ears are twitching. The owner bathed the cat. 28 Feb 2018: the cat was seen by a veterinarian and given subcutaneous fluids and a Dexamethasone injection. The vet has a high suspicion the symptoms are due to the product. The cat's symptoms are ongoing. No further medical information expected.
01-Mar-2018	UAE; 18US010377; MA; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** F **Sex qualifier:** Neutered **Age:** 18.00 Year(s) **Weight:** 6.5 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Oct-2015*	01-Oct-2017*	0 Day(s)	D-D	Suspected Adverse Event: On 1 Mar 2018 the owner reported the following event for an unknown feline (all signalments unknown). Sep 2017*: An unknown amount of FRONTLINE PLUS CATS (lot unknown) was given to the cat (unknown route and site of application) by the owner. It is unknown if this was the first dose applied. On an unknown date after the application the cat had a burn at the application site and lost hair in that area. The area was about the size of a quarter. The skin was also very flaky. It is unknown if the cat recovered. Oct 2017*: Another dose of the product was applied. The cat had the same symptoms. It is unknown if the cat was seen by a veterinarian or given any treatment. The cat's current status is unknown. No further medical information expected. UPDATE 8 Mar 2018: The owner reported the following event for Shadow, an 18 year old, approximately 6.5 pound, spayed female, feline (all other signalments unknown) Oct 2015*: The cat started on FRONTLINE PLUS CATS. Sep 2017*: The cat recovered after 2-3 weeks. Oct 2017*: The cat had the same symptoms and recovered after 2-3 weeks. The cat was not seen by a veterinarian or given any treatment. No further medical information expected.
01-Mar-2018	UAE; 18US010507; FL; U.S.A	**Species:** Canine **Breed:** Spaniel (Cocker) **Sex:** M **Sex qualifier:** Neutered	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products**	28-Feb-2012*	01-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 1 Mar 2018, the owner reported the following event for Howie, 8 year old, 29 pound, neutered male, Cocker Spaniel canine. 28 Feb 2018: One vial of FRONTLINE PLUS DOG 23-44 LBS (R60316AL) was applied between the shoulder blade. 1 Mar 2018: The dog urinated and defecated in the house for the

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 8.00 Year(s) **Weight:** 29 lbs				**used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					first time.This was unusal behavior. The dog was not presented to the clinic and no treatment was provided. 2 Mar 2018: The dog recovered. No further medical information is expected.
01-Mar-2018	UAE; 18US010536; FL; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 7 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	01-Mar-2018	30 Minute(s)	D-D	Suspected Adverse Event: On 1 March 2018, the owner reported the following event for Copper, a 4 year old, 7 pound spayed female Domestic Shorthair. 1 March 2018: One vial of FRONTLINE PLUS CATS (R40711AW) was applied to Copper for the first time. Within 30 minutes, the cat started to drool off and on which is still ongoing. The cat has not been seen by the vet. No further medical information expected.
01-Mar-2018	UAE; 18US010583; TX; U.S.A	**Species:** Canine **Breed:** Chihuahua **Sex:** F **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	28-Feb-2018	01-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 1 Mar 2018 the owner reported the following event for a female, Chihuahua/Dachshund (all other signalments unknown). 28 Feb 2018: 1 vial of FRONTLINE PLUS DOG 5-22 LBS (lot unknown) was given to the dog (unknown route and site of application) by the owner. This was the first application. 1 March 2018: The dog was pacing and would not lie down. The dog did not eat or drink. The dog was not seen by a veterinarian. The dog was given a bath. The symptoms are ongoing. No further medical information expected.
02-Mar-2018	UAE; 18US010824; CT; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 1.50 Year(s) **Weight:** 12 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	08-Nov-2016*	10-Feb-2018	2 Day(s)	D-D	Suspected Adverse Event: On 2 March 2018, the owner reported the following event for Venus, a 1.5 year old, 12 pound, spayed female Domestic Shorthair. *8 Feb 2018: One vial of FRONTLINE PLUS CATS (P41104AW) was topically applied to the cat . 10 Feb 2018: The cat developed a chemical burn and hairloss at the application site. 12 Feb 2018: The cat was seen by the vet and given unknown antibiotics for her ongoing condition. The cat has been on FL since Nov 2016 with no issues. No further medical information expected.
02-Mar-2018	UAE; 18US010830; IN; U.S.A	**Species:** Canine **Breed:** Boston Terrier **Sex:** F **Sex qualifier:** Neutered **Age:** 9.00 Month(s) **Weight:** 10 lbs	3	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical /	17-Dec-2017	17-Dec-2017	0 Day(s)	D-B	Suspected Adverse Event: On 2 Mar 2018 the owner reported the following event for Sally, a 9 month old, approximately 10 pound, spayed female, Boston Terrier. 17 Dec 2017: 1 vial of FRONTLINE PLUS DOG 5-22 LBS (R60830AL) was given to the dog topically between the shoulder blades. This was the first application. The owner had 2 other dogs she applied the product to and the dog licked the product off of one of the other dogs. The dog had 3 seizures. 2 of the seizures lasted about 5-7 minutes. The last seizure lasted about 1 hour. The dog

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Cutaneous **Was the product used ok?:** Yes					was seen by a veterinarian and given IV fluids. The dog recovered. No further medical information expected.
02-Mar-2018	UAE; 18US010848; FL; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 4 lbs*	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Mar-2018	02-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: On 2 March 2018, the owner reported the following event for Max, a 1 year old, 4 pound, neutered male Domestic Shorthair. 2 March 2018: One vial of FRONTLINE PLUS CAT (M41110AW) was topically treated per label for the first time to Max. Following the treatment the cat started to run around, climb the walls, his eyes were big, and he was hyper salivating. The cat recovered the same day without vet assistance. No further medical information expected.
02-Mar-2018	UAE; 18US010902; LA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** - **Was the product used ok?:** Unknown to Company	25-Dec-2017*	25-Dec-2017*	0 Day(s)	D-D	Suspected Adverse Event: On 2 March 2018, the owner called to report the following event for a Domestic Shorthair (signalment unknown). 25 Dec 2017: One vial of FRONTLINE PLUS CATS (P4150DW) was applied. On an unknown date the cat developed hair loss and a bald spot at the application site. The hair has grown back in the area. No further medical information available.
02-Mar-2018	UAE; 18US010911; NE; U.S.A	**Species:** Canine **Breed:** Bulldog **Sex:** F **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 64 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	26-Feb-2018	26-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 2 Mar 2018, the veterinary technician reported the following event for Gigi, 1 year old, 64 pound, neutered female, Bulldog canine. 26 Feb 2018: One vial of FRONTLINE PLUS DOG 45-88lbs (lot unknown) was applied between the shoulder blades. The pet experienced redness and itching at the application site. 2 Mar 2018: A hotspot formed at the application site. The clinic bathed the pet in Dawn. Symptoms are still ongoing. No further medical information is expected.
02-Mar-2018	UAE; 18US010932; TX; U.S.A	**Species:** Canine **Breed:** Terrier Breeds (500 Series) **Sex:** M **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	26-Feb-2018	27-Feb-2018	1 Day(s)	D-D	Suspected Adverse Event: On 2 March 2018, the owner's family member reported the following event for a male mixed breed Terrier (signalment unknown). 26 Feb 2018: One vial of FRONTLINE PLUS DOG 5-22 LBS (lot unknown) was applied to the dog. 27 Feb 2018: The dog started to experience diarrhea, weakness, and which is still ongoing. The owner declined the report. No further medical information expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Unknown to Company					
05-Mar-2018	UAE; 18US010959; FL; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	19-Feb-2018	19-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 5 Mar 2018 the owner reported the following event for an unknown feline (all signalments unknown). 19 Feb 2018: An unknown amount of FRONTLINE PLUS CATS (R40515AW) was given to the cat (unknown route and site of application) by the owner. This was the first dose applied. The cat became hyperactive within a few hours of the application. The cats third eyelid was stuck for several days. The cat was seen by a veterinarian and given an unknown steroid and unknown antihistamine. The cat's current status is unknown. No further medical information expected. Update 16 Mar 2018: After further review, made change to reason for assessment.
05-Mar-2018	UAE; 18US011002; OH; U.S.A	**Species:** Canine **Breed:** Shih Tzu **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	26-Feb-2018	02-Mar-2018	4 Day(s)	D-D	Suspected Adverse Event: On 5 Mar 2018 the owner reported the following event for two Shih Tzu (all other signalments unknown). 26 Feb 2018: An unknown amount of FRONTLINE PLUS DOG 5-22 LBS (R60521AL) was given to the dogs (unknown route and site of application) by the owner. It was the first dose of the season but it is unknown if the dogs have been treated before. 2 Mar 2018: The dogs started scratching. Neither the owner or the vet found any fleas. It is unknown if the dogs were seen by a veterinarian or given any treatment. The symptoms are ongoing. There was another dog treated that had symptoms (see case 18US011559). No further medical information expected. UPDATE 8 Mar 2018: 26 Feb 2018: The dogs received 1 vial each of the product topically between the shoulder blades. This was the first dose applied. The dogs were seen by a veterinarian and given Sentry allergy relief for dogs. The symptoms are still ongoing. No further medical information expected. Update 16 Mar 2018: After further review, corrected the number of affected patients in the VeDDRA screen from 1 to 2.
05-Mar-2018	UAE; 18US011119; MD; U.S.A	**Species:** Canine **Breed:** Retriever (Golden) **Sex:** M **Sex qualifier:** Neutered **Age:** 18.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	04-Mar-2018*	05-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 5 Mar 2018 the veterinarian reported the following event for an 18 month old, neutered male, Retriever (Golden)/Poodle mixed breed. 4 Mar 2018: 1 vial of FRONTLINE PLUS DOG (lot unknown, product unsubstantiated) was given to the dog topically to the top of the head, by the owner. It is unknown if this was the first dose applied. 5 Mar 2018: The dog was hypersalivating. It is unknown if the dog was seen by a veterinarian or given any treatment. The symptoms are ongoing. No further medical information expected.
05-Mar-2018	UAE; 18US011206; CA; U.S.A	**Species:** Canine **Breed:** Canine (unknown)	1	1	0	**Product used:** FIPRONIL 10%/S	01-Feb-2018	01-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 5 Mar 2018, the owner reported the following event for a canine (all other signalments unknown). 1 Feb 2018: One vial of FRONTLINE PLUS 5-22 LBS (lot

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex: U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					unknown) was applied between the shoulder blades. After a few minutes the dog began rubbing against the floor like the product was burning. It is unknown if the pet was presented to the clinic or if any treatment was provided. It is unknown if the pet recovered. No further medical information is expected.
05-Mar-2018	UAE; 18US011303; -; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 12 lbs	3	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017	23-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 5 Mar 2018 a representative from Chewy.com reported the following event for Bear Cat, an approximately 4 year old, approximately 12 pound, neutered male, feline (all other signalments unknown). Jul 2017*: The cat started on 1 vial of FRONTLINE PLUS CATS given topically between the shoulder blades by the owner. 23 Feb 2018: The cat was given another dose of FRONTLINE PLUS CATS (P41101AW). The cat cried out and ran. Unknown date: the owner noticed a blister at the application site and the cat had lost hair in that area. 25 Feb 2018: The cat recovered. The cat was not seen by a veterinarian or given any treatment. The cat had symptoms using the product before (see case 18US011573). There were 5 other cats treated with the product and 3 had symptoms (see case 18US011576). No further medical information expected.
06-Mar-2018	UAE; 18US011404; PA; U.S.A	**Species:** Canine **Breed:** Pit Bull **Sex:** F **Sex qualifier:** - **Age:** 7.00 Month(s) **Weight:** 36 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	03-Mar-2018	06-Mar-2018	3 Day(s)	D-C	Suspected Adverse Event: On 6 Mar 2018 the owner reported the following event for Ayah, 7 months old, approximately 36 pounds, non-pregnant non-lactating intact female, Pit Bull/Australian Shepherd mixed breed. 3 Mar 2018: 1 vial of FRONTLINE PLUS DOG 23-44 LBS (P61007AL) was given to the dog topically between the shoulder blades, by the owner. This was the first dose applied. 6 Mar 2018: The dog had hives on the side of the body, a bump on the nose, and swollen lips. The dog was not seen by a veterinarian or given any treatment. The symptoms are ongoing. The owner said she intends to give Benadryl. The dog has had symptoms of nausea and diarrhea while using an unknown de-wormer. No further medical information expected.
05-Mar-2018	UAE; 18US011559; OH; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	26-Feb-2018	02-Mar-2018	4 Day(s)	D-D	Suspected Adverse Event: On 5 Mar 2018 the owner reported the following event for a unknown canine (all signalments unknown). 26 Feb 2018: An unknown amount of FRONTLINE PLUS DOG 23-44 LBS (R60516BL) was given to the dog (unknown route and site of application) by the owner. It was the first dose of the season but it is unknown if the dog has been treated before. 2 Mar 2018: The dog started scratching. Neither the owner or the vet found any fleas. It is unknown if the dog was seen by a veterinarian or given any treatment. The symptoms are ongoing. There was 2 other dogs treated that had symptoms (see case 18US011002). No further medical information expected. UPDATE 8 Mar 2018: 26 Feb 2018: The dog received 1 vial of the product topically between the shoulder blades. This was the first dose applied. The dog was seen by a veterinarian and given Sentry allergy relief

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											for dogs. The symptoms are still ongoing. No further medical information expected.
06-Mar-2018	UAE; 18US011573; MA; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 12 lbs	6	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017*	01-Dec-2017*	0 Day(s)	D-D	Suspected Adverse Event: On 6 Mar 2018 the owner reported the following event for Bear Cat, an approximately 4 year old, approximately 12 pound, neutered male, feline (all other signalments unknown). Jul 2017*: The cat started on 1 vial of FRONTLINE PLUS CATS given topically between the shoulder blades by the owner. The cat became lethargic. The cat recovered on an unknown date. The cat did not have symptoms each time the product was given. Dec 2017*: The cat was given another dose of FRONTLINE PLUS CATS (P41101AW). The cat had the same symptoms. The cat was not seen by a veterinarian or given any treatment. No further medical information expected.
06-Mar-2018	UAE; 18US011576; -; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jul-2017	20-Feb-2018	N/A	D-D	Suspected Adverse Event: On 6 Mar 2018 the owner reported the following event for 3 unknown felines (all signalments unknown). Jul 2017*: The cats started on 1 vial of FRONTLINE PLUS CATS given topically between the shoulder blades by the owner. 20 Feb 2018: The cats were given another dose of FRONTLINE PLUS CATS (lot unknown). The cats cried out and ran. Unknown date: The owner noticed a blister at the application site and the cats had lost hair in that area. 22 Feb 2018: The cats recovered. The cats were not seen by a veterinarian or given any treatment. There were 3 other cats treated with the product and 1 had symptoms (see case 18US011303). No further medical information expected.
07-Mar-2018	UAE; 18US011879; NH; U.S.A	**Species:** Canine **Breed:** Akita **Sex:** M **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 50 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	02-Mar-2018	07-Mar-2018	5 Day(s)	D-D	Suspected Adverse Event: On 7 Mar 2018 the owner reported the following event for Cozmo, a 1 year old, 50 pound, neutered male Akita/Labrador mixed breed. 2 Mar 2018: Less than 1 vial of FRONTLINE PLUS DOG 45-88 LBS (R60601) was given to the dog topically between the shoulder blades by the owner. This was the first dose applied. 7 Mar 2018: The dog was playing with another dog that had the product applied and biting the area of application on that. The dog vomited and was lethargic and had a lack of appetite. The dog was not seen by a veterinarian or given any treatment. The symptoms are ongoing. The other dog treated also had symptoms (see case 18US011880). No further medical information expected.
07-Mar-2018	UAE; 18US011880; NH; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 23 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low	01-Mar-2017*	06-Mar-2018	4 Day(s)	D-D	Suspected Adverse Event: On 7 Mar 2018 the owner reported the following event for Mazy, a 3 year old, 23 pound, spayed female, canine (all other signalments unknown). Mar 2017*: The dog started on 1 vial of FRONTLINE PLUS DOG 23-44 LBS given topically between the shoulder blades, by the owner. The dog was treated monthly during the summer and fall. 2 Mar 2018: Less than 1 vial of FRONTLINE PLUS DOG 23-44 LBS (P61014) was given to the dog, topically between the shoulder blades, by the owner. 6 Mar 2018: The dog was playing with another dog that had the product applied and biting the area of application on that. The dog vomited. 7 Mar 2018: The dog recovered.

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						dose)					The dog was not seen by a veterinarian or given any treatment. The other dog treated also had symptoms (see case 18US011879). No further medical information expected.
08-Mar-2018	UAE; 18US012157; UT; U.S.A	**Species:** Canine **Breed:** Spaniel (Cocker) **Sex:** M **Sex qualifier:** Neutered **Age:** 3.00 Year(s) **Weight:** 24 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Mar-2018	08-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 8 Mar 2018, the owner reported the following event for Duke, 3 year old, 24 pound, neutered male, Cocker Spaniel canine. 7 Mar 2018: One vial of FRONTLINE PLUS DOG 23-44 LBS (P62208AL) was applied between the shoulder blades. 8 Mar 2018: The dog experienced white discoloration at the applications site. The pet was not presented to the clinic and no treatment was provided. Symptoms are still ongoing. No further medical information is expected.
09-Mar-2018	UAE; 18US012394; -; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	09-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: On 9 Mar 2018, the owner reported the following event for a canine (all other signalments unknown). 9 Mar 2018: One vial of FRONTLINE PLUS DOG (product unsubstantiated) (lot unknown) was applied at a unknown location. The pet experienced lethargy. It is unknown if the pet was presented to the clinic or if any treatment was provided. The symptoms are still ongoing. No further medical information is expected.
09-Mar-2018	UAE; 18US012416; WI; U.S.A	**Species:** Canine **Breed:** Retriever (Chesapeake Bay) **Sex:** F **Sex qualifier:** Neutered **Age:** 8.00 Month(s) **Weight:** 69 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	02-Sep-2017*	03-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 9 MAr 2018, the owner reported the following event for Kaley, 8 month old, 69 pound, spayed female, Chesapeake Bay Retriever. 2 Mar 2018: One vial of FRONTLINE PLUS DOG 45-88 LBS (M60805AR) was applied between the shoulder blades. 3 Mar 2018: The dog experienced skin irritation from the neck to the middle of the back. 8 Mar 2018: The pet was presented to the clinic. The attending veterinarian shaved affected areas. The dog was diagnosed with a skin infection. They also prescribed Cefopodoxime and Phytovet spray. 9 Mar 2018: Symptoms are still ongoing. The pet has received FRONTLINE monthly since *2 Sept 2017 and no symptoms presented. No further medical information is expected.
12-Mar-2018	UAE; 18US012505; PA; U.S.A	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** Neutered **Age:** 2.50 Year(s) **Weight:** 85 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the**	04-Mar-2016*	06-Mar-2018	12 Month(s)	D-D	Suspected Adverse Event: On 12 Mar 2018, the owner reported the following event for a mixed breed canine (all other signalment unknown). 4 Mar 2017: One vial of FRONTLINE PLUS DOG 45-88 LBS (R60206AR) was applied between the shoulder blades. 6 Mar 2018: The dog experienced vomiting. It is unknown if the pet was presented to the clinic or if any treatment was provided. The status of the pet is unknown. No further medical information is expected. Update 14 Mar 2018: The pet owner reported the event for Allie, 2.5 year old, 85 pound, spayed female.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: Yes					6 Mar 2018: The pet was not presented to the clinic. The owner started the pet on a bland diet and bathed her in Dawn. 7 Mar 2018: The dog recovered. The dog has received FRONTLINE monthly since 4 Mar 2016*. The pet experienced the same symptoms once before on an unknown date. No further medical information is expected.
12-Mar-2018	UAE; 18US012709; FL; U.S.A	**Species:** Canine **Breed:** Chihuahua **Sex:** M **Sex qualifier:** - **Age:** 7.00 Year(s) **Weight:** 12 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	26-Feb-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 12 Mar 2018 the pet owner reported the following event for Haku, a 7 year old, 12 pound, intact male, Chihuahua- Welsh Corgi mix. 5 Feb 2018: The dog received an application of FRONTLINE PLUS DOG 5-22 lbs. (Lot unknown). *26 Feb 2018: Approximately 3 weeks after application, the dog started itching and had live fleas. The pet did not have any fleas prior to the application. 26 Feb 2018: The dog was given another application of FRONTLINE. The itching and scratching was still ongoing at this time. 5 Mar 2018: The dog recovered and was switched to Bravecto. The dog has received FRONTLINE for approximately 3 years with no issues. There are 2 other pets in the household also experiencing the same symptoms. Please reference cases 18US012743 and 18US012745 for reports. No further information available at this time.
12-Mar-2018	UAE; 18US012743; FL; U.S.A	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** M **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 66 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	26-Feb-2018*	3 Week(s)	D-D	Suspected Adverse Event:On 12 Mar 2018 the pet owner reported the following event for Finn, a 2 year old, 66 pound, neutered male, German Shepherd- Husky mix. 5 Feb 2018: The dog received an application of FRONTLINE PLUS DOG 45-88 lbs. (Lot unknown). *26 Feb 2018: Approximately 3 weeks after application, the dog started itching and had live fleas. The pet did not have any fleas prior to the application. 26 Feb 2018: The dog was given another application of FRONTLINE. The itching and scratching was still ongoing at this time. 5 Mar 2018: The dog recovered and was switched to Bravecto. The dog has received FRONTLINE for approximately 3 years with no issues. There are 2 other pets in the household also experiencing the same symptoms. Please reference cases 18US012709 and 18US012745 for reports. No further information available at this time.
12-Mar-2018	UAE; 18US012745; FL; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 8.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2015*	26-Feb-2018*	3 Week(s)	D-D	Suspected Adverse Event: On 12 Mar 2018 the pet owner reported the following event for an 8 month old, neutered male, Domestic Shorthair. 5 Feb 2018: The cat received an application of FRONTLINE PLUS CATS (Lot unknown). The exact month/date of application is unknown at this time. *26 Feb 2018: Approximately 3 weeks after application, the cat started itching and had live fleas. The pet did not have any fleas prior to the application. 26 Feb 2018: The cat was given another application of FRONTLINE. The itching and scratching was still ongoing at this time. 5 Mar 2018: The cat recovered and was switched to Bravecto. The cat has received FRONTLINE for approximately 3 years with no issues. There are 2 other pets in the household also experiencing the same symptoms. Please reference cases

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											18US012709 and 18US012743 for reports. No further information available at this time.
12-Mar-2018	UAE; 18US012796; CA; U.S.A	**Species:** Canine **Breed:** Beagle **Sex:** F **Sex qualifier:** Neutered **Age:** 9.50 Year(s) **Weight:** 27 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Nov-2014*	02-Nov-2017*	1 Day(s)	D-D	Suspected Adverse Event: On 12 March 2018, the owner reported the following event for Ipo a 9.5 year old 27 pound, spayed female Beagle. * 1 Nov 2017: One vial of FRONTLINE PLUS DOG 23-44 LBS (FL) was applied topically to the dog. *2 Nov 2017: The dog was listless for 3-4 days *6 Nov 2017: The dog recovered without vet assistance. The dog has been on FL on and off for 3 years and it is unknown if she has had issue with the previous doses. No further medical information expected.
13-Mar-2018	UAE; 18US012937; PA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 14.00 Year(s) **Weight:** 7.8 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	22-Nov-2017*	05-Mar-2018	4 Day(s)	D-D	Suspected Adverse Event: On 13 Mar 2018, a clinic staff reported the following event for Mike, a 7.8 pound, 14 year old (born 1 Aug 2003), neutered male Domestic Shorthair Feline. Mike has been receiving monthly doses of FRONTLINE PLUS CATS (lot unknown) since at least 22 Nov 2017. 1 Mar 2018: Mike received his monthly dose given by a family member directly on shoulder blades, base of the neck. 5 Mar 2018: Mike developed a hair loss, redness and irritation at the site of application. 6 Mar 2018: Mike did not present to the clinic and recovered. Mike is in fair health and has no known history of drug or vaccine reactions. No further medical information expected.
13-Mar-2018	UAE; 18US013132; TX; U.S.A	**Species:** Feline **Breed:** Domestic Longhair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 15 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	10-Mar-2018	10-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: On 13 Mar 2018 the owner reported the following event for Figaro, a 4 year old, approximately 15 pound, neutered male, Domestic Longhair (Crossbreed). 10 Mar 2018: 1 vial of FRONTLINE PLUS CATS (lot unknown) was given to the cat topically between the shoulder blades, by the owner. This was the first dose applied. The cat had fleas prior to the application. After a few hours, the owner noticed the cat had dry skin all over the body and hair loss near the tail. The cat was seen by a veterinarian but was not given any treatment. The symptoms are ongoing. No further medical information expected.
14-Mar-2018	UAE; 18US013288; TX; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** F **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 11 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	13-Mar-2018	13-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: On 14 Mar 2018 the owner reported the following event for Polly, an approximately 4 year old, 11 pound, spayed female, canine (all other signalments unknown). 13 Mar 2018: 1 vial of FRONTLINE PLUS DOG 5-22 LBS (R60830AL) was given to the dog topically between the shoulder blades, by the owner. This was the first dose applied. A few hours after the application, the dog had diarrhea. The dog was not seen by a veterinarian. The owner gave the dog Pepto Bismol. The symptoms are ongoing. No further medical information.

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14-Mar-2018	UAE; 18US013379; PA; U.S.A	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** F **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** 65 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Mar-2017*	01-Mar-2017*	0 Day(s)	D-D	Suspected Adverse Event: On 14 Mar 2018, the family member reported the following event for a 10 year old, 65 pound, spayed female, German Shepherd canine (all other signalments unknown). 1 Mar 2017*: One vial of FRONTLINE PLUS DOG 45-88 LBS (lot unknown) was applied between the shoulder blades. Unknown date: The dog began shaking. The pet was not presented to the clinic and no treatment was provided. It is unknown if the pet recovered. No further medical information is expected.
15-Mar-2018	UAE; 18US013582; CA; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	N/A	15-Mar-2018*	0 Day(s)	D-B	Suspected Adverse Event: On 15 Mar 2018, the owner reported the following event for a canine (all other signalments unknown). Unknown date: One vial of FRONTLINE PLUS DOG (product unsubstantiated) (lot unknown) was applied at a unknown location. The pet experienced blindness. 15 Mar 2018: The pet was presented to the clinic. Its is unknown if any treatment was provided. The status of the pet is unknown. No further medical information is expected.
15-Mar-2018	UAE; 18US013597; MI; U.S.A	**Species:** Feline **Breed:** Domestic Longhair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 12.00 Year(s) **Weight:** 16 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2009*	13-Mar-2018	3 Week(s)	D-D	Suspected Adverse Event: On 15 Mar 2018, the owner reported the following event for Cody, 12 year old, 16 pound, neutered male, Domestic Longhair feline. 20 Feb 2018: One vial of FRONTLINE PLUS CATS (P41510) was applied between the shoulder blades. 13 Mar 2018: The cat experienced redness at the application site. The cat was not presented to the clinic and no treatment was provided. 15 Mar 2018: The symptoms are still ongoing. The cat has received FRONTLINE sporadically since 2009 and no symptoms presented. No further medical information is expected.
16-Mar-2018	UAE; 18US013829; MA; U.S.A	**Species:** Feline **Breed:** Ragdoll **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	N/A	16-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 16 Mar 2018, the owner reported the following event for Ragdoll feline (all other signalments unknown). 15 Mar 2018: One vial of FRONTLINE PLUS CATS (lot unknown) was applied between the shoulder blades. The cat may have ingested some of the product. 16 Mar 2018: The cat experienced anorexia, lethargic, and strange behavior. It is unknown if the pet was presented to the clinic or if any treatment was provided. The status of the pet is unknown. No further medical information is expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						ok?: Yes					
16-Mar-2018	UAE; 18US013933; CA; U.S.A	**Species:** Feline **Breed:** American Shorthair **Sex:** M **Sex qualifier:** Neutered **Age:** 10.00 Year(s) **Weight:** 15 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	12-Mar-2018*	13-Mar-2018*	1 Day(s)	D-D	Suspected Adverse Event: On 16 Mar 2018 the owner reported the following event for Georgie, a 10 year old, approximately 15 pound, neutered male, American Shorthair. 12 Mar 2018: 1 vial of FRONTLINE PLUS CATS (R40711AW) was given to the cat topically between the shoulder blades, by the owner. It is unknown if this was the first dose applied. The owner also changed the cat's food. The owner had noticed a flea on the other cat in the household prior to applying FL. 13 Mar 2018*: The cat started scratching. The cat was not seen by a veterinarian or given any treatment. The symptoms are ongoing. The cat had symptoms using Sergeants where the product burned the skin and the cat had hair loss at the application site. No further medical information expected.
16-Mar-2018	UAE; 18US013983; IL; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 2.00 Year(s) **Weight:** 10 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	17-Feb-2018	02-Mar-2018	13 Day(s)	D-D	Suspected Adverse Event: On 16 Mar 2018, the owner reported the following event for Carly, 2 year old, 10 pound, spayed female, Domestic Shorthair feline. 17 feb 2018: One vial of FRONTLINE PLUS CATS (lot unknown) was applied between the shoulder blades. 2 Mar 2018: The cat experienced hair loss on front and back legs as well as the stomach. 16 Mar 2018: Symptoms are still ongoing. No further medical information is expected.
19-Mar-2018	UAE; 18US014040; NY; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 7.00 Year(s) **Weight:** 9.5 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Nov-2016*	01-Jun-2017*	0 Day(s)	D-D	Suspected Adverse Event: On 19 Mar 2018 the veterinarian reported the following event for Magic, an approximately 7 year old, 9.5 pound, neutered male, Domestic Shorthair (Crossbreed). Nov 2016*: The cat started on 1 vial of FRONTLINE PLUS CATS (lot unknown) given to the cat topically between the shoulder blades, by the owner. The cat was not treated regularly. May 2017*: The cat received another dose of the product. June 2017*: The cat received another dose of the product. On an unknown date, the cat developed a rash at the site of the application and the fur fell out. The cat recovered after an unknown amount of time. The cat was not seen by a veterinarian or given any treatment. No further medical information expected.
19-Mar-2018	UAE; 18US014045; TX; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Nov-2017*	18-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 19 Mar 2018 the owner reported the following event for 2 felines (all other signalments unknown). Nov 2017*: The cats started on 1 vial of FRONTLINE PLUS CATS (lot unknown) given to the cats topically between the shoulder blades, by the owner. The cats were not treated regularly. 17 Mar 2018: The cats received another dose of the product. 18 Mar 2018: The cats started vomiting. They recovered by the evening. The cats were not seen by a veterinarian or given any treatment. No further medical information expected.
19-Mar-2018	UAE;	**Species:** Canine	1	1	0	**Product used:**	14-Mar-2018*	16-Mar-2018	2 Day(s)	D-C	Suspected Adverse Event: On 19 Mar 2018 the owner reported the

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
	18US014203; CA; U.S.A	**Breed:** Retriever (Golden) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown				FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					following event for a Retriever (Golden) (all other signalments unknown). 14 Mar 2018: An unknown amount of FRONTLINE PLUS DOG 5-22 LBS (R60830AL) was given to the dog (unknown route and site of application) by the owner. It is unknown if this was the first dose applied. 16 Mar 2018: The owner noticed hair loss in an unknown location. It is unknown if the dog was seen by a veterinarian or given any treatment. The symptoms are ongoing. No further medical information expected.
19-Mar-2018	UAE; 18US014254; CT; U.S.A	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Neutered **Age:** 5.00 Month(s) **Weight:** 32.5 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 136MCG/326MG ; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Feb-2011*	19-Apr-2011*	2 Week(s)	D-D	Suspected Adverse Event: On 19 Mar 2018, a pet owner reported the following event for Susie, an approximately 4-6 month old, approximately 25-40 pound, spayed female Labrador Retriever. Feb 2011*-Apr 2011*: The pet owner administered one full chew of HEARTGARD PLUS (136 MCG/114 MG) (lot number and expiration date unknown) orally to the dog, on a monthly basis. The pet owner also applied one full pipette of FRONTLINE PLUS DOG 23-44 LBS (lot number unknown), topically, between the shoulder blades, on a monthly basis, but product application was separated from HEARTGARD PLUS administration. Within 15 minutes of HEARTGARD PLUS administration, the dog would vomit once. She did not present to the veterinary clinic for examination or treatment as the dog would fully recover following each event. Since the 2-3 events of vomiting following administration of the full chew, the owner has split the chew in half and administered both halves to the pet. The dog has not continued to vomit when the product was administered in such manner. It was noted that Susie had become very depressed, subdued, and lethargic following FRONTLINE PLUS DOG 45-88 LBS (lot number unknown), FRONTLINE GOLD DOG 45-88 LBS (PP19561), and HEARTGARD PLUS (272 MCG/227 MG) (lot number and expiration date unknown) administration (see cases 18US014259, 18US014261, and 18US014263). She previously had complications following her spay, has a history of epilepsy, and she is a very sensitive dog. No further medical information expected.
19-Mar-2018	UAE; 18US014259; CT; U.S.A	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Neutered **Age:** 7.50 Year(s) **Weight:** 56 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 272MCG/652MG ; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Feb-2011*	06-Apr-2016*	1 Day(s)	D-D	Suspected Adverse Event: On 19 Mar 2018, a pet owner reported the following event for Susie, a 7.5 year old, 56 pound, spayed female Labrador Retriever. Feb 2011*: The dog started to receive one full vial of FRONTLINE PLUS DOG 45-88 LBS (lot number and expiration date unknown) applied topically, between the shoulder blades, by the pet owner, on a monthly basis. The owner also started to give one full chew of HEARTGARD PLUS (272 MCG/227 MG) (lot number and expiration date unknown), orally, on a monthly basis. May 2011*-2016*: Whenever FRONTLINE PLUS DOG 45-88 LBS was applied, the dog became very depressed, subdued, and lethargic the day after application. She did not present to the veterinary clinic for examination or treatment of the symptoms, but she would fully recover within a few days. Susie experienced similar symptoms following HEARTGARD PLUS and FRONTLINE GOLD DOG 45-88 LBS (PP19561) administration (see cases 18US014263 and 18US014261). It was also noted that Susie previously vomited following HEARTGARD PLUS (136 MCG/114 MG) (lot number and expiration date

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
											unknown) administration (see case 18US014254). She previously had complications following her spay, has a history of epilepsy, and is a very sensitive dog. No further medical information expected.
19-Mar-2018	UAE; 18US014263; CT; U.S.A	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Neutered **Age:** 7.50 Year(s) **Weight:** 56 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 272MCG/652MG ; FIPRONIL 9.8% / S-METHOPRENE 8.8% / PYRIPROXYFEN 0.25% TOPICAL SOLUTION; **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	05-Feb-2011*	01-May-2011*	N/A	D-D	Suspected Adverse Event: On 19 Mar 2018, a pet owner reported the following event for Susie, a 7.5 year old, 56 pound, spayed female Labrador Retriever. Feb 2011*: The dog started to receive one full chew of HEARTGARD PLUS (272 MCG/227 MG) (lot number and expiration date unknown), orally, by the pet owner, on a monthly basis. Feb 2011*-2016*: The pet owner applied one full pipette of FRONTLINE PLUS DOG 45-88 LBS (lot number unknown), topically, between the shoulder blades, on a monthly basis, but product application was separated from HEARTGARD PLUS administration. 2016*: The dog started to receive one full vial of FRONTLINE GOLD DOG 45-88 LBS (PP19561) applied topically, between the shoulder blades, by the pet owner, on a seasonal monthly basis . FRONTLINE GOLD application was also separated from HEARTGARD PLUS administration. May 2011*-present: Whenever HEARTGARD PLUS was administered, the dog became very depressed, subdued, and lethargic the day after administration. She did not present to the veterinary clinic for examination or treatment of the symptoms, but she would fully recover within a few days. Susie experienced similar symptoms following FRONTLINE PLUS DOG 45-88 LBS and FRONTLINE GOLD DOG 45-88 LBS application (see cases 18US014259 and 18US014261). It was also noted that Susie previously vomited following HEARTGARD PLUS (136 MCG/114 MG) (lot number and expiration date unknown) administration (see case 18US014254). She previously had complications following her spay, has a history of epilepsy, and is a very sensitive dog. No further medical information expected.
19-Mar-2018	UAE; 18US014264; CT; U.S.A	**Species:** Canine **Breed:** Retriever Labrador **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Mar-2018*	01-Mar-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 19 Mar 2018, a family member reported the following event for a Labrador Retriever of further unknown signalment. Unknown date: FRONTLINE PLUS (lot number unknown) (product unsubstantiated) was applied between the shoulder blades. After an unknown period of time, it was noted that the hair at the application site had curled. No further medical information expected.
19-Mar-2018	UAE; 18US014325; NY; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the**	01-Jan-2018*	01-Jan-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 19 Mar 2018 the owner reported the following event for an unknown canine (all signalments unknown). Unknown Date: An unknown amount of FRONTLINE PLUS DOG 5-22 LBS (lot unknown) was given to the dog (unknown route and site of application) by the owner. It is unknown if this was the first dose applied. On an unknown date after the application the dog's skin turned red and the hair was thinning out at the application site. It is unknown if the dog was seen by a veterinarian or given any treatment. The dog's current status is unknown. No further medical information expected.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						product used ok?: Unknown to Company					
20-Mar-2018	UAE; 18US014444; PA; U.S.A	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** F **Sex qualifier:** Neutered **Age:** 6.00 Year(s) **Weight:** 60 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Nov-2017*	20-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 20 Mar 2018, the owner reported the following event for Pheonix, 6 year old, 60 pound, spayed female, mixed breed canine. 7 Nov 2017*: One vial of FRONTLINE PLUS DOG 45-88 LBS (R60206AR) was applied between the shoulder blades for the first time. Unknown date: The dog experienced diarrhea. 19 Mar 2018: The second vial of FRONTLINE was applied. 20 Mar 2018: The dog experienced diarrhea and anorexia. The pet was not presented to the clinic and no treatment was provided. Symptoms are still ongoing. No further medical information is expected. Update/23 Mar 2018/NH: Pet owner reporting the dog recovered on 22 Mar 2018.
20-Mar-2018	UAE; 18US014538; OH; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	11-Jan-2018	15-Mar-2018	4 Day(s)	D-D	Suspected Adverse Event: On 11 Mar 2018 the owner reported the following event for a Domestic Shorthair (crossbreed) (all other signalments unknown). 11 Jan 2018: 1 vial of FRONTLINE PLUS CATS (R40101AW) was given to the cat topically between the shoulder blades, by the owner. This was the first dose applied. The cat was treated monthly on the same date. 11 Mar 2018: The cat received the last dose of the product. 15 Mar 2018: The cat started scratching. The vet found fleas on the cat. The cat was seen by a veterinarian but it is unknown if any treatment was given. The cat's current status is unknown. No further medical information expected.
21-Mar-2018	UAE; 18US014676; IN; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 9 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Species not indicated / recommended)	15-Mar-2018	20-Mar-2018	5 Day(s)	D-D	Suspected Adverse Event: On 21 March, the owner reported the following event for Ali, a 1 year old, 9 pound, neutered male Domestic Shorthair. 15 March 2018: One vial of FRONTLINE PLUS DOG 23-44 LBS (lot unknown) was mistakenly applied to the cat for the first time and immediately washed off. 20 March 2018: The cat was lethargic and his symptoms are still ongoing. The cat has not been seen by the vet. No further medical information expected.
21-Mar-2018	UAE; 18US014934; NY; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** 9.50 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown	01-Jan-2009	01-Jan-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 21 Mar 2018 the owner reported the following event for a 9.5 year old canine (all other signalments unknown). 2009*: The dog started on 1 vial of FRONTLINE PLUS given to the dog (unknown route and site of application) by the owner. The treatment history is unknown. Unknown date: The dog was given another dose of FRONTLINE PLUS (lot unknown, product unsubstantiated). The dog's skin was more red than usual.

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
						Was the product used ok?: Unknown to Company					It is unknown if the dog was seen by a veterinarian or given any treatment. The dog's current status is unknown. No further medical information expected.
22-Mar-2018	UAE; 18US014968; FL; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 1.50 Year(s) **Weight:** 72 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Jan-2018	15-Jan-2018*	N/A	D-D	Suspected Adverse Event: On 22 mar 2018 the owner reported the following event for Rocko, a 1.5 year old, 72 pound, neutered male, canine (unknown). 15 Jan 2018: 1 vial of FRONTLINE PLUS DOG 45-88 LBS (R61301AR) was given to the dog topically between the shoulder blades. This was the first dose applied. The dog had fleas prior to the first dose and was scratching. 15 Feb 2018: The dog received another dose of the product. The dog started pulling fur out around the tail. The dog still has fleas. The dog was not seen by a veterinarian or given any treatment. The symptoms are ongoing. No further medical information expected.
22-Mar-2018	UAE; 18US015045; MA; U.S.A	**Species:** Canine **Breed:** Retriever (Golden) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	N/A	15-Jan-2018*	0 Day(s)*	D-D	Suspected Adverse Event: On 22 Mar 2018, the owner reported the following event for a Golden Retriever canine (all other signalments unknown). 15 Jan 2018*: One vial of FRONTLINE PLUS DOG 45-88 LBS (lot unknown) was applied between the shoulder blades. Unknown date: The dog experienced abnormal behavior and seemed to be agitated. The dog also experienced a small amount of itching. The symptoms last about a week. The dog has received FRONTLINE before on unknown date. It is unknown if the pet ever reacted to the product before. No further medical information is expected.
22-Mar-2018	UAE; 18US015062; NY; U.S.A	**Species:** Feline **Breed:** Domestic Longhair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 15.00 Year(s) **Weight:** 15.6 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	21-Mar-2003*	21-Mar-2018	6 Hour(s)	D-D	Suspected Adverse Event: On 22 Mar 2018, the owner reported the following event for Buddy, 15 year old, 15.6 pound, neutered male, Domestic Longhair. 21 Mar 2018: One vial of FRONTLINE PLUS CATS (R40601AW) was applied between the shoulder blades. After 6 hours the pet experienced hair loss at the application site. The site is about the size of a quarter. The pet was not presented to the clinic and no treatment was provided. 22 Mar 2018: Symptoms are still ongoing. The cat has received FRONTLINE on a monthly basis since 21 Mar 2003* and no symptoms presented. No further medical information is expected. Product quality: As reported by the pet owner 1 vial out of a 3 pack of FRONTLINE PLUS CATS (R40601AW) did not have a perforated tip. The owner had to open vial using scissors. This vial was applied to the cat which experienced symptoms. The remaining 2 vials are undamaged. Product return is not expected because owner discarded. No further information.
22-Mar-2018	UAE; 18US015166; FL; U.S.A	**Species:** Canine **Breed:** Canine (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 8.00 Year(s)	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other	15-Mar-2018*	15-Mar-2018*	0 Day(s)	D-C	Suspected Adverse Event: On 22 Mar 2018 the veterinarian reported the following event for Cooper, an 8 year old, 57 pound neutered male, Canine (all other signalments unknown). 15 Mar 2018*: 2.6 milliliters of FRONTLINE PLUS DOG 89-132 LBS (M62802) was given to the dog by pipette topically between the shoulder blades, by the owner. This was the first dose applied. An unknown amount of time after the application, the dog had

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		Weight: 57 lbs				products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)					neurological symptoms. The dox was ataxic and leaning to one side. The dog was seen by a veterinarian but was not given any treatment. The symptoms are ongoing. No further medical information expected.
23-Mar-2018	UAE; 18US015256; CA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	03-Aug-2017	01-Jan-2018*	N/A	D-C	Suspected Adverse Event: On 23 Mar 2018 the owner reported the following event for 3 unknown felines (all other signalments unknown). 3 Feb 2017: The cats started on an unknown amount of FRONTLINE PLUS CATS given to the cats (unknown route and site of application) by the owner. Cats were treated every 30 days. 3 Feb 2018: The cats received the last dose of FRONTLINE PLUS CATS (P41401AX). On an unknown date, the cats started scratching sores on their skin. It is unknown if the cats were seen by a veterinarian or given any treatment. Their current status is unknown. No further medical information expected. UPDATE 29 Mar 2018: The owner reported the following. 3 Aug 2017: The cats started on 1 vial each of FRONTLINE PLUS CATS given to the cats topically between the shoulder blades, by the owner. Cats were treated every 30 days. 1 of the cats had fleas prior to the first application. Jan 2018*: The cats started scratching sores on their skin. The cats still had fleas. 3 Feb 2018: The cats received the last dose of FRONTLINE PLUS CATS (P41401AX). The symptoms were still ongoing and the cats still had fleas. The cats were not seen by a veterinarian or given any treatment. The symptoms are ongoing. No further medical information expected.
23-Mar-2018	UAE; 18US015421; CA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** F **Sex qualifier:** Neutered **Age:** 12.50 Year(s) **Weight:** 16.5 lbs	3	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Oct-2005*	01-Jan-2012*	N/A	D-C	Suspected Adverse Event: On 23 Mar 2018 the owner reported the following event for Abby, an approximately 12.5 year old, approximately 16.5 pound, spayed female, Domestic Shorthair (Crossbreed). 2005*: The cat started on 1 vial of FRONTLINE PLUS CATS (lot unknown, expiration unknown) given topically between the shoulder blades, by the owner. The cat was treated seasonally every 2-3 months. 2012*: The cat started having breathing problems. When the cat was sleeping or laying down it sounded like it was snoring. The symptoms were continuous and did not increase or decrease with subsequent applications. Oct 2017*: The cat received the most recent dose of the product. The cat was seen by a veterinarian but was not given any treatment. The symptoms are ongoing. No further medical information expected.
26-Mar-2018	UAE; 18US015530; GA; U.S.A	**Species:** Canine **Breed:** Schnauzer (Miniature) **Sex:** U	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE	07-Mar-2018*	09-Mar-2018	2 Day(s)	D-B	Suspected Adverse Event: On 26 Mar 2018 the owner reported the following event for a Schnauzer (Miniature) (all other signalments unknown). 7 Mar 2018: An unknown amount of FRONTLINE PLUS DOG

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Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Sex qualifier: Unknown **Age:** - **Weight:** Unknown				9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company					23-44 LBS (R60516) was given to the dog (unknown route and site of application) by the owner. It is unknown if this was the first dose applied. 9 Mar 2018: The dog had a seizure. No other information. The dog was seen by a veterinarian and given fluid therapy and a bath. Current status is unknown. No further medical information expected.
26-Mar-2018	UAE; 18US015604; CA; U.S.A	**Species:** Canine **Breed:** Pug **Sex:** F **Sex qualifier:** Neutered **Age:** 17.00 Year(s) **Weight:** 17.5 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Rimadyl; RX biotic for dogs; Unknown hemp oil for dogs; Unknown cardiovascular treatment; **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2005*	21-Mar-2018	1 Day(s)	D-B	Suspected Adverse Event: On 26 Mar 2018 the owner reported the following event for Priscilla, a 17 year old, 17.5 pound, spayed female, Pug. 2005*: The dog started on 1 vial of FRONTLINE PLUS DOG 5-22 LBS given to the dog topically from the neck to the tail, by the owner. The dog was not treated regularly and has not on the product for more than 10 years. 2015*: The dog started on Rimadyl. Oct 2017*: The dog started on RX biotic for dogs, an unknown hemp oil for dogs, and an unknown cardiovascular treatment 20 Mar 2018: The dog received another dose of FRONTLINE PLUS DOG 5-22 LBS (lot unknown). The dog also received Rimadyl, RX biotic for dogs, an unknown hemp oil for dogs, and an unknown cardiovascular treatment. 21 Mar 2018: The dog had what the owner believes was a seizure. The owner said the dog looked like she was going to vomit but instead fell onto her side with her legs straight out. The dog recovered after a few seconds but was breathing heavier and was spaced out. The dog has been having seizures every 12 hours. 26 Mar 2018: The dog had the most recent seizure at 3:30am and recovered after a few seconds. The dog was seen by a veterinarian but was not given any treatment. The dog was in fair condition prior to the symptoms. The dog has arthritis and has also had a history with seizures. The dog was on Prednisone approximately 10 years ago and had a seizure. The dog was also lethargic, thirsty, and eating a lot after having taken Prednisone. No further medical information expected.
26-Mar-2018	UAE; 18US015664; VA; U.S.A	**Species:** Canine **Breed:** Mastiff **Sex:** M **Sex qualifier:** - **Age:** 4.50 Year(s) **Weight:** 245 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Clindamycin; **Route:** Topical / Cutaneous **Was the product used ok?:** No (Treatment / vaccination program not respected)	01-Jan-2014*	23-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 26 Mar 2018 the owner reported the following event for Botox, 4.5 year old, 245 pound, intact male, Mastiff. 2014*: The dog started on 1 vial of FRONTLINE PLUS DOG 89-132 LBS given to the dog topically from the shoulder blades to the tail, by the owner. The dog was treated seasonally from Mar to Sep. 17 Mar 2018: The dog started on Clindamycin because the dog had a spot under the ear and possible ear infection. 22 Mar 2018: The dog received 2 vials of FRONTLINE PLUS DOG 89-132 LBS (P61901AR). The dog also received Clindamycin. 23 Mar 2018: The dog's ears turned red and seemed painful. 25 Mar 2018: The dog vomited and the dog's eyes are swollen shut. The dog was seen by the veterinarian but was not given any treatment. The symptoms are ongoing. The owner gave the dog Posatex and a bath. No further medical information expected.
26-Mar-2018	UAE; 18US015692; OH; U.S.A	**Species:** Feline **Breed:** Domestic Mediumhair	1	1	0	**Product used:** FIPRONIL 10%/S	01-Jan-2013*	15-Jun-2017*	2 Week(s)	D-D	Suspected Adverse Event: On 26 Mar 2018 the owner reported the following event for Roussy, a 4 year old, approximately 15 pound, spayed female, Domestic Mediumhair (crossbreed).

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		(Crossbred) **Sex:** F **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 15 lbs				METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					2013*: The cat started on 1 vial of FRONTLINE PLUS CATS given to the cat topically between the shoulder blades, by the owner. The cat was treated seasonally. Jun 2017*: The cat received a dose of FRONTLINE PLUS CATS (lot unknown). Two weeks after the application, the owner saw sores all over the body of the cat. Feb 2018: The cat recovered. The cat was seen by the veterinarian who found fleas on the cat. The cat was given an unknown steroid injection. No further medical information expected.
26-Mar-2018	UAE; 18US015783; TX; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Mar-2018	26-Mar-2018	11 Day(s)	D-D	Suspected Adverse Event: On 26 Mar 2018, the owner reported the following event for Feline (all other signalments unknown). 15 Mar 2018: The pet experienced itching. One vial of FRONTLINE PLUS CAT (lot unknown) was applied between the shoulder blades for the first time. 26 Mar 2018: The cat experienced hair loss at application site and on the top of the head. It is unknown if the pet was presented to the clinic or if any treatment was provided. Symptoms are still ongoing. No further medical information is expected.
26-Mar-2018	UAE; 18US015787; NY; U.S.A	**Species:** Canine **Breed:** Belgian Malinois **Sex:** F **Sex qualifier:** Neutered **Age:** 4.00 Year(s) **Weight:** 75 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 272MCG/652MG ; **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company	25-Jun-2017*	25-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: On 26 Mar 2018, the owner reported the following event for Ginger, a 4 year old (born 24 Jan 2014), 75 pound, spayed female, Belgian Malinois. Jan 2017*: Dog was started on monthly HEARTGARD PLUS (272 MCG/227 MG) (6BC0579, Aug 2019) and FRONTLINE PLUS (lot number and expiration date unknown) (product unsubstantiated). 25 Mar 2018: Dog was given monthly HEARTGARD PLUS. Right after administration the dog looked a little funny. 45 minutes later the dog was experiencing tremors and her head was tilted. The event lasted about 10 minutes and then the dog was back to normal. No treatment was given. No further medical information expected.
26-Mar-2018	UAE; 18US015847; MD; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** U **Sex qualifier:** Unknown **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Jan-2018	20-Mar-2018*	2 Week(s)	D-C	Suspected Adverse Event: On 26 Mar 2018, the owner reported the following event for two Domestic shorthair felines. 6 Mar 2018: One vial of FRONTLINE PLUS CATS (P41102AX) was applied between the shoulder blades. 20 Mar 2018*: Both cats experienced itching and twitching. Hotspots formed above the tail. Unknown date: The cats were presented to the clinic and received injections of Depo Medrol. They were also started on Comfortis. The current status of the pets are unknown. The cats also received applications on 6 Jan 2018 and 6 Feb 2018, it is unknown if symptoms presented then. No further medical information is expected.

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26-Mar-2018	UAE; 18US015859; OR; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 12.00 Year(s) **Weight:** 14 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	21-Mar-2015*	22-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 26 Mar 2018 the owner reported the following event for Louis, an approximately 12 year old, approximately 14 pound, neutered male, feline (all other signalments unknown). 21 Mar 2015*: The cat started on 1 vial of FRONTLINE PLUS CATS given to the cat topically between the shoulder blades . The cat was treated every 1.5-2 months. 21 Mar 2018: the cat received another dose of FRONTLINE PLUS CATS (P40203). 22 Mar 2018: The cat lost fur at the application site. The bald spot was about 3 cm in diameter. The owner applied Vetericyn. 23 Mar 2018: The cat recovered. The cat was not seen by a veterinarian. No further medical information expected.
28-Mar-2018	UAE; 18US016357; MI; U.S.A	**Species:** Canine **Breed:** English Bulldog **Sex:** F **Sex qualifier:** Unknown **Age:** 9.00 Month(s) **Weight:** 60 lbs	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	27-Sep-2017	28-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 28 Mar 2018 the owner reported the following event for two 9 month old, 60 pound, female, English Bulls dogs (all other signalments unknown). 27 Sep 2017: The dogs started on 1 vial each of FRONTLINE PLUS DOG 45-88 LBS given to the dogs topically between the shoulder blades, by the owner. The dogs were treated seasonally. 27 Mar 2018: The dogs received another dose of FRONTLINE PLUS DOG 45-88 LBS (lot unknown). The dogs licked the product off of each other. 28 Mar 2018: The dogs became lethargic. The dogs were not seen by a veterinarian or given any treatment. The symptoms are ongoing. No further medical information expected.
28-Mar-2018	UAE; 18US016779; NC; U.S.A	**Species:** Canine **Breed:** Pit Bull **Sex:** M **Sex qualifier:** - **Age:** 6.00 Week(s) **Weight:** 5 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Overdose)	28-Mar-2018	28-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: On 28 Mar 2018, the following event was reported to Safety Call International (SCI) by the veterinarian for Puppy Pawfet Match Rescue, 6 week old, 5 pound, intact male Pit Bull and Terrier mix. 28 Mar 2018: The dog was applied FRONTLINE PLUS 23-44 LBS (lot unknown). An unknown time later the dog vomited. The dog was bathed and now appears asymptomatic. No further information medical information expected.
29-Mar-2018	UAE; 18US016828; FL; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** - **Age:** 13.00 Week(s) **Weight:** 3 lbs	2	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Low dose)	28-Mar-2018	29-Mar-2018	1 Day(s)	D-D	Suspected Adverse Event: On 29 Mar 2018 the owner reported the following event for Stone, a 13 week old, 3 pound, intact male, Domestic Shorthair (Crossbreed). 28 Mar 2018: Less than a full dose (amount unknown) of FRONTLINE PLUS CATS (R40601AW) was given to the cat topically between the shoulder blades, by the owner. This was the first application. 29 Mar 2018: The cat was breathing harder and was lethargic. The cat was not seen by a veterinarian or given any treatment. The symptoms are ongoing. No further medical information expected.

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29-Mar-2018	UAE; 18US016830; PA; U.S.A	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** Neutered **Age:** 19.00 Year(s) **Weight:** 28 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Unknown to Company	01-Jan-2018*	01-Jan-2018*	0 Day(s)	D-D	Suspected Adverse Event: On 29 Mar 2018 the owner reported the following event for Boy, a 19 year old, 28 pound, male neutered, feline (all other signalments unknown). Unknown date: 1 vial of FRONTLINE PLUS CATS (lot unknown) was given to the cat topically between the shoulder blades. It is unknown if this was the first application. A few days later the cat's skin looked burned at the application site and the skin was very hot. It is unknown if the cat was seen by a veterinarian or given any treatment. The current status is unknown. No further medical information expected.
30-Mar-2018	UAE; 18US016949; PA; U.S.A	**Species:** Canine **Breed:** Retriever (Labrador, Black) **Sex:** F **Sex qualifier:** - **Age:** 9.00 Month(s) **Weight:** 54 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	27-Mar-2018	27-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: On 30 Mar 2018, the owner reported the following event for Eggo, 9 month old, 54 pound, intact female, Labrador Retriever canine. 27 Mar 2018: One vial of FRONTLINE PLUS DOG 45-88 LBS (lot unknown) was applied between the shoulder blades. The pet experienced itching, shaking, and nervousness. The dog also presented a fear of being touched. The dog was not presented to the clinic and no treatment was provided. 30 Mar 2018: Symptoms are still ongoing. No further medical information is expected.
30-Mar-2018	UAE; 18US016962; WA; U.S.A	**Species:** Feline **Breed:** Domestic Shorthair (Crossbreed) **Sex:** M **Sex qualifier:** Neutered **Age:** 6.00 Year(s) **Weight:** 22 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	29-Oct-2016	30-Mar-2018	0 Day(s)	D-D	Suspected Adverse Event: On 30 Mar 2018, the owner reported the following event for Big Boy, 6 year old, 22 pound, neutered male, Domestic Shorthair feline. 29 Mar 2018: One vial of FRONTLINE PLUS CATS (R40110) was applied between the shoulder blades. 30 Mar 2018: The cat experienced hair loss at the application site with no evidence of inflammation. The cat was not presented to the clinic and no treatment was provided. symptoms are still ongoing. There is one other cat in the household that did not receive the product and is asymptomatic. The cat also received FRONTLINE starting 29 Oct 2016- 29 Apr 2017 and no symptoms presented. No further medical information is expected.
15-Jan-2018	UAE; 18ZA000014; -; South Africa	**Species:** Canine **Breed:** Mixed Breeds / various **Sex:** X **Sex qualifier:** - **Age:** 2.00 Year(s) **Weight:** Unknown	3	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	25-Nov-2017	25-Dec-2017*	0 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, three dogs, various breeds (yorkie/maltese; Collie/Alsation; collie/spaniel), various ages (13 years old; 4 years old, 2 years old), various weights (not furrther documented), were treated with FRONTLINE PLUS DOGS (BN, exp date unknown, product unsubstantiated, dosage indicated 'as per indication') administered topically by the owner on 25 Nov 2017 and 25 Dec 2017. The owner reported that the product only worked for one animal; the other dogs (unknown which dogs) are still infested (unknwon time after administration). It is reported that the owner did not treat her cats. The reaction was still ongoing at the time of the report.
17-Jan-2018	UAE; 18ZA000015; -; South Africa	**Species:** Feline **Breed:** Domestic	2	2	0	**Product used:** FIPRONIL SPRAY	01-Jun-2017*	01-Jan-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, an unknown number of cats (2 was chosen by default), domestic cats and foster cats, were treated with FRONTLINE SPRAY (BN PO30802A, exp

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		Mediumhair (Crossbred) **Sex:** X **Sex qualifier:** - **Age:** - **Weight:** Unknown				**Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes					date Aug 2018), administered topically by the owner for a long time (unknown dates; 01 Jun 2017 to 01 Jan 2018 chosen by default). On an unknown time after product administration, the product did not work (not otherwise specified). The owner stated that she used it exactly as per instruction. The animals were already exposed to the product with no reaction. This is the extent of information available.
30-Jan-2018	UAE; 18ZA000019; -; South Africa	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** F **Sex qualifier:** - **Age:** 8.00 Year(s) **Weight:** 2.5 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	29-Dec-2015*	29-Nov-2017*	N/A	D-D	Suspected Lack Of Efficacy: as reported by the owner, Dipsy, a female Domestic cat, 8 years old, 2.5 kg, in good health condition, was administered FRONTLINE for cats (BN, exp date unknown, product unsubtantiated), topically by the owner on 29 Dec 2017. It is reported that the owner has been treating with Frontline for 2 years, every month. It is reported that for the last 3 months Frontline has not worked, as the owner sees fleas on the cats (5 or so). She did give deworming tablets (not further documented). The owner reported similar event on another cat of the household, please refer to case 18ZA000020. This is the extent of information available.
30-Jan-2018	UAE; 18ZA000020; -; South Africa	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** M **Sex qualifier:** - **Age:** 8.00 Year(s) **Weight:** 4 kg	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	29-Dec-2015*	29-Nov-2017*	N/A	D-D	Suspected Lack Of Efficacy: as reported by the owner,Lick, a male Domestic cat, 8 years old, 4 kg, in good health condition, was administered FRONTLINE for cats (BN, exp date unknown, product unsubtantiated), topically by the owner on 29 Dec 2017. It is reported that the owner has been treating with Frontline for 2 years, every month. It is reported that for the last 3 months Frontline has not worked, as the owner sees fleas on the cats (5 or so). The cat is scratching a lot near his tail. She did give deworming tablets (not further documented). The owner reported similar event on another cat of the household, please refer to case 18ZA000019. This is the extent of information available.
07-Feb-2018	UAE; 18ZA000022; -; South Africa	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** X **Sex qualifier:** - **Age:** 1.00 Year(s) **Weight:** Unknown	5	5	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	15-Jan-2018*	22-Jan-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, five cats, domestic breed, 3 females/2 males, 1-9 years old, in good health condition, were treated with FRONTLINE PLUS CATS (BN, exp date unknown), administered topically by the owner on mid-late January 2018 (15 Jan 2018 was chosen by default). One week after the administration, the owner reported that the product did not work. The reaction was not treated and was ongoing at the time of the report. The dog was already exposed to the product with no reaction. It is reported that the owner had been using Frontline for the past 20 years only once or twice a year when the cats had fleas. This is the extent of information available.
07-Feb-2018	UAE; 18ZA000023; -; South Africa	**Species:** Canine **Breed:** Large crossbred (>20 Kg) **Sex:** M **Sex qualifier:** - **Age:** 5.00 Year(s) **Weight:** 30 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used**	01-Feb-2018*	01-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, Wilson, a male dog, mixed breed, 5 years old, 30 kg, in good health condition, was treated with FRONTLINE PLUS DOGS (BN, exp date unknown, dosage reported 'as per indication' FRONTLINE PLUS L selected), administered topically by the owner on early February 2018 (01 Feb 2018 was chosen by default), for the first time. On an unknown ime after the administration, the owner reported that he felt that the product did not work. He has also used Fumitabz for the environment. The reaction was not treated and was ongoing at the time of the report. This is the extent of information available.

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						ok?: Yes					
09-Feb-2018	UAE; 18ZA000026; -; South Africa	**Species:** Canine **Breed:** Canine (unknown) **Sex:** U **Sex qualifier:** - **Age:** - **Weight:** Unknown	3	3	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	06-Dec-2017	15-Jan-2018	12 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the attending vet, three dogs (all signalments unknown) were treated with FRONTLINE PLUS DOGS (BN, exp date unknown, product unsubstantiated, dosage reported 'as per indication'), administered topically by the owner on 06 Dec 2017 and 03 Jan 2018. It is reported that the dogs were treated before they went away for a weekend to a place where the owners knows there are ticks. 1 dog was diagnosed with tick bite fever on 15/1/2018 (12 days after application). On 28/01/2018 they went for a walk in the veld and the owner found 3 ticks on 1 dog and 1 tick on other dog. The owner has been using Frontline for the last 2 years. The dog were already exposed to the product with no reaction. the reaction was treated (unknown medication) and outcome is unknown. This is the extent of information available.
13-Feb-2018	UAE; 18ZA000027; -; South Africa	**Species:** Feline **Breed:** Feline (unknown) **Sex:** M **Sex qualifier:** - **Age:** 1.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	30-Jan-2018*	13-Feb-2018*	2 Week(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, Butternut, a male feline, rescue, 1 year old, in good health condition, was treated with FRONTLINE PLUS CATS (BN, exp date unknown) administered topically by the owner on an unknown date (30 Jan 2018 was chosen by default). Two weeks after treatment, the owner reported that she had just fetched Butternut from vet after he was treated for tick bite fever. The reaction was treated (unknown medication) and the outcome is unknown. It is reported that the owner has been using Frontline Plus for cats monthly for long. Sometimes she even treated twice per month.She also has 4 dogs that are treated with Bravecto regularly. The animal was already exposed to the product with no reaction. This is the extent of information available.
14-Feb-2018	UAE; 18ZA000030; -; South Africa	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** X **Sex qualifier:** - **Age:** 15.00 Week(s) **Weight:** Unknown	6	6	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Jan-2018*	14-Feb-2018*	13 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, six felines, domestic breed, mixed males and females, age from 15 weeks to 8 years old, weight unknown, with flea infestation, were treated with FRONTLINE PLUS CATS (BN P 40705AW, exp date Apr 2018) administedd topically by the owner on unknown date (01 Feb 2018 was chosen by default). It is reported that owner has been using Frontline Plus for cats monthly for long. The cat still have fleas and even after previous Frontline treatment they had fleas. She also treated 2 dogs with Frontline Plus dogs and they seem to be fine, no fleas. The reaction was not treated. At the time of reporting, the reaction was ongoing.
21-Feb-2018	UAE; 18ZA000031; -; South Africa	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** M **Sex qualifier:** - **Age:** 1.00 Year(s) **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	18-Feb-2017*	21-Feb-2018	3 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, Sooty and Mimmie, two male domestic cats, 8 year old and 1 yeard old, weight unknown (reported as small cats), in good health condition, were treated with FRONTLINE PLUS CATS (BN, exp date unknown) administered topically by the owner on 18 Feb 2018. The owner used Frontline for about a year ago and the cat never had fleas. The owner got a new cat 9 weeks ago, saw fleas and treated with Frontline (18-02-2018). She reported more fleas than before treatment on 21 Feb 2018. At the time of the report, the reaction was ongoing. This is the extent of information available.

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21-Feb-2018	UAE; 18ZA000032; -; South Africa	**Species:** Canine **Breed:** Dachshund **Sex:** F **Sex qualifier:** - **Age:** 12.00 Year(s) **Weight:** 12 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Feb-2018*	01-Feb-2018*	N/A	D-B	Suspected Adverse Event: as reported by the owner, Ducky, a female Dachshund dog, 12 years old, 12 kg, in good health condition, was treated with FRONTLINE SPRAY (BN, exp date unknown) administered topically by the owner, dosage as per indication, on an unknown date around 2 weeks ago (01 Feb 2018 was chosen by default). Soon after the administration, the animal started vomiting . About a week later, the owner saw that dog was getting very thin (when she washed her dogs). 2 weeks after treatment, the dog got very sick, she had a runny tummy and was vomiting blood. Owner took the dog to vet, the dog stayed in hospital for 2 days and was put on dialysis as she had renal issues (failure?). She came home and on the following day, owner saw 2 fleas and sprayed again with Frontline. She was eating and drinking the day of administration, however the day after she was vomiting again. Another dog (Lulu, sister dog) was also treated and vomited, see case 18ZA000033 (non serious). Ducky was grooming (licking) Lulu all the time, an old habit. Ducky lost 3 kg in the past 2 weeks according to owner (weight: 9 kg). At the time of the report the reaction was ongoing. Note: the case was classified as both AR and LOE problem type.
21-Feb-2018	UAE; 18ZA000033; -; South Africa	**Species:** Canine **Breed:** Dachshund **Sex:** F **Sex qualifier:** - **Age:** 12.00 Year(s) **Weight:** 11 kg	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Feb-2018*	01-Feb-2018*	0 Day(s)	D-D	Suspected Adverse Event: as reported by the owner, Lulu, a female Dachshund dog, 12 years old, 11 kg, in good health condition, was treated with FRONTLINE SPRAY (BN, exp date unknown) administered topically by the owner, dosage as per indication, on an unknown date around 2 weeks ago (01 Feb 2018 was chosen by default). On an unknown time after the administration, the dog vomited. She was not taken to the vet and was fine at the time of the report. Another dog (Ducky, sister dog) was also treated and experienced reaction (serious), see case 18ZA000032. The animal was previously exposed to the product with no reaction. This is the extent of information available.
15-Mar-2018	UAE; 18ZA000038; -; South Africa	**Species:** Canine **Breed:** Yorkshire Terrier **Sex:** U **Sex qualifier:** - **Age:** - **Weight:** 2.2 - 3.9 kg	5	5	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	01-Mar-2018*	03-Mar-2018*	2 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, five Yorkshire Terrier dogs, weight from 2.2 to 3.9 kg, in good health condition, were treated with FRONTLINE SPRAY (BN PO4102A, exp date Sep 2018), > 6 mL/kg, administered topically by the owner on an unknwon date (01 Mar 2018 was chosen by default). The owner has used Frontline Spray for many years, used to only use it once/twice a year. He has used a 250 ml bottle and finished it on the dogs, using more than 6ml/kg. Dogs still have flea and the owner is claiming LOE. The reaction was not treated. The animals were previously exposed to the product with no reaction.
27-Mar-2018	UAE; 18ZA000044; -; South Africa	**Species:** Canine **Breed:** Rottweiler **Sex:** F **Sex qualifier:** - **Age:** 9.00 Year(s) **Weight:** 56 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** - **Was the product used ok?:** Yes	19-Feb-2018*	26-Mar-2018*	1 Week(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, Pepper, a female dog, Rottweiler breed, 9 years old, 56 kg, in good health condition, was treated with FRONTLINE PLUS DOG XL (BN P60906, exp date 31 Mar 2019), administered orally by the owner on 19 March 2018. It is reported that the owner has used Frontline Plus for 10 years, always with good results. The day after product administration, the owner now saw lots of ticks and "little things, that look like crabs", not many fleas. Last month he also saw ½ ticks but did not worry about it. Dog is now full of ticks, body and between toes and very uncomfortable. The reaction was not treated and was ongoing at the time of the report.

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19-Mar-2018	UAE; 18ZA000045; -; South Africa	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** M **Sex qualifier:** - **Age:** 5.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	07-Mar-2018	08-Mar-2018	1 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, Sleg, a male Domestic cat, 5-7 years old, 4.5 kg, in good health condition (sinus issues) was administered with FRONTLINE PLUS CAT (BN, exp date unknown) topically by the owner on 07 March 2018. The day after product administration, the animal experienced a huge raw sore at the application site, with hair felling out. The owner applied betadine as a treatment and it healed after 1.5 weeks. The owner recently changed to Hills food after using Catmore. It is reported that the dog reacted at the administration one month before (application site reddening), see case 18ZA000050. This is the extent of information available.
28-Feb-2018	UAE; 18ZA000046; -; South Africa	**Species:** Canine **Breed:** Staffordshire Terrier **Sex:** X **Sex qualifier:** - **Age:** - **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	27-Dec-2017	10-Jan-2018*	2 Week(s)	N/A	Suspected Lack Of Efficacy: as reported by the owner, two dogs, Staffordshire Terrier breed, unknown age and weight (large dogs), were treated with FRONTLINE PLUS DOG (BN, exp date unknown, product unsubstantiated, dosage reported as 'pipette as recommended', FRONTLINE PLUS DOG XL selected by default) administered topically by the owner on 27 Dec 2017. 2 weeks after product administration, in Jan 2018, the dogs still had fleas between their toes. The reaction was treated with flea shampoo. It is reported that the dogs were previously exposed to the product and reacted (not specified). The attending vet level of suspicion is: High.
22-Mar-2018	UAE; 18ZA000047; -; South Africa	**Species:** Canine **Breed:** Welsh Corgi **Sex:** U **Sex qualifier:** - **Age:** 14.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Feb-2018*	20-Mar-2018	11 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, a dog, Corgi breed, 14 years old, weight unknown (reported as small), was treated with FRONTLINE PLUS DOGS (BN, exp date unknown, dosage reported 'as per indication/weight', FRONTLINE PLUS DOG S selected by default), administered topically by the owner on on unknown date at the end of February (28 Feb 2018 was chosen by default) and on 09 Mar 2018. 11 days after product administration, the dog was full of fleas. The owner has 4 dogs and all dogs experienced LOE (see cases 18ZA000048 and 18ZA000049). Of note that one of these 4 dogs (unknown which one) has hip dysplasia condition. It is reported that the dogs are inside dogs and that the property is enclosed. The dogs have been treated with Frontline for two years and never had fleas. The owner gave Capstar and Advocate and now the fleas are dying. This is the extent of information available.
22-Mar-2018	UAE; 18ZA000048; -; South Africa	**Species:** Canine **Breed:** German Shepherd Dog **Sex:** U **Sex qualifier:** - **Age:** 5.00 Year(s) **Weight:** Unknown	2	2	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Feb-2018*	20-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, two dogs, breed German Shepherd crossed Dalmatian, 5 years old, weight unknown (reported as "XL"), were treated with FRONTLINE PLUS DOGS (BN, exp date unknown, dosage reported 'as per indication/weight', FRONTLINE PLUS DOG XL selected by default), administered topically by the owner on on unknown date at the end of February (28 Feb 2018 was chosen by default) and on 09 Mar 2018. 11 days after product administration, the dogs were full of fleas. The owner has 4 dogs and all dogs experienced LOE (see cases 18ZA000047 and 18ZA000049). Of note that one of these 4 dogs (unknown which one) has hip dysplasia condition. It is reported that the dogs are inside dogs and that the property is enclosed. The dogs have been treated with Frontline for two years and never had fleas. The owner gave Capstar and Advocate and now the fleas are dying. This is the extent of information available.

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22-Mar-2018	UAE; 18ZA000049; -; South Africa	**Species:** Canine **Breed:** Rottweiler **Sex:** U **Sex qualifier:** - **Age:** 6.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	28-Feb-2018*	20-Mar-2018*	11 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, a dog, Pure breed Rottweiler, 6 years old, weight unknown (reported as "XL"), was treated with FRONTLINE PLUS DOGS (BN, exp date unknown, dosage reported 'as per indication/weight', FRONTLINE PLUS DOG XL selected by default), administered topically by the owner on on unknown date at the end of February (28 Feb 2018 was chosen by default) and on 09 Mar 2018. 11 days after product administration, the dog was full of fleas and had a spot on his bum. The owner has 4 dogs and all dogs experienced LOE (see cases 18ZA000047 and 18ZA000048). Of note that one of these 4 dogs (unknown which one) has hip dysplasia condition. It is reported that the dogs are inside dogs and that the property is enclosed. The dogs have been treated with Frontline for two years and never had fleas. The owner gave Capstar and Advocate and now the fleas are dying. This is the extent of information available.
19-Mar-2018	UAE; 18ZA000050; -; South Africa	**Species:** Feline **Breed:** Domestic Mediumhair (Crossbred) **Sex:** M **Sex qualifier:** - **Age:** 5.00 Year(s) **Weight:** 4.5 kg	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** Yes	07-Feb-2018*	07-Feb-2018*	0 Day(s)	D-D	Suspected Lack of Efficacy: as reported by the owner, Sleg, a male Domestic cat, 5-7 years old, 4.5 kg, in good health condition (sinus issues) was administered with FRONTLINE PLUS CAT (BN, exp date unknown) topically by the owner on an unknown date in Feb 2018 (07 Feb 2018 was chosen by default). On an unknown time after product administration, the animal was red on application spot. The dog was treated the following month on 07 March 2018 and reacted, see case 18ZA000045. This is the extent of information available.

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10-Jan-2018	UHAE; 18BR000393; -; Brazil	**Sex:** F **Sex qualifier:** -**Age:** - **Weight:** -	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Off label use / Indication)	01-Jan-2018*	01-Jan-2018*	0 Day(s)	H-D	Suspected Adverse Event: As reported by the human patient via social media, she had applied FRONTLINE (presentation, size, dose, lot and exp unknown) to her dog and she 'almost got poisoned'. Other details were not provided. SLOE case reported on 18BR000392. This is the extent of the information available.
23-Mar-2018	UHAE; 18DK000025; -; Denmark	**Sex:** F **Sex qualifier:** Unknown**Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	17-Mar-2018	18-Mar-2018	<=24 hours	H-D	DK-DKMA-V20180146: On 17 Mar 2018 there was a human exposure reaction of Frontline Combo Vet. The product was administered to a cat spot on in the neck (dose: 0.5 ml). The human was nursing the cat the same day of treatment. The next day, on 18 Mar 2018, the human has stomach pain and discomfort. Treated with pain relief tablets.
14-Mar-2018	UHAE; 18FR000337; -; France	**Sex:** M **Sex qualifier:** -**Age:** 15.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPRAY **Other products used:** no other products **Route:** subconjunctival **Was the product used ok?:** No (Human exposure)	20-Jan-2018	20-Jan-2018	0 Day(s)	H-D	FR-ANMV-18 CPVL 00353: T0: that teenager was cuddling his cat, recently treated with FRONTLINE SPRAY POMPE 0,5 ML. After indirect eye contact (supposedly finger in eye?) he felt immediately conjunctival irritation. T+30 minutes later, call to PCC by a relative. D23: follow-up phone call of PCC, without answer (unknown evolution). Duration of reaction: < or = 30 minutes. Duration of reaction (precision): ongoing (< 30 minutes). Outcome of SAR: Unknown. FRONTLINE SPRAY POMPE 0,5 ML () : 1 ocular contact after cuddling cat.
27-Feb-2018	UHAE; 18UK000424; -; United Kingdom	**Sex:** F **Sex qualifier:** Unknown**Age:** - **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON DOG **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Human exposure)	01-Jan-2016*	24-Feb-2018	0 Day(s)	H-D	As reported by the human patient, AW a female of unknown height, weight and age, was exposed to FRONTLINE SPOT ON DOG L (batch and expiry unknown) topically to the hands and face on 24 FEB 2018. The patient reports that they have used FRONTLINE for years (estimated since 01 JAN 2016 to allow submission) on all of their dogs with no problem. Today, they began treating their six dogs with their monthly FRONTLINE pipettes. Two of their six dogs have the larger pipettes for dogs 20-40 kg. As they were applying the medication to their first dog, the pipette burst and sprayed over their face and hand. Luckily they were wearing glasses, otherwise it would have gone into their eyes, although it did go all over their hand. They tried dosing the

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1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

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											second dog with a pipette from the same batch and it also burst, causing them to have to quickly wash their face and hands again, although their hands are now irritated from the chemicals. They applied FRONTLINE to the remaining four dogs, who have the smaller pipettes for dogs weighing 10-20 kg with no problem. This is the first time that this has happened to the patient, and they are concerned that they have received a faulty product. Had they not had glasses on, the chemicals would have gone into their eyes. This makes them very concerned to use this product again in the future.
01-Jan-2018	UHAE; 18US000141; TN; U.S.A	**Sex:** F **Sex qualifier:** Unknown**Age:** 5.00 Year(s) **Weight:** 28 Pounds	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Ophthalmic **Was the product used ok?:** No (Human exposure)	01-Jan-2018*	01-Jan-2018	0 Day(s)	H-D	Report collected by SAFETY CALL INTERNATIONAL. Symptoms to date include: Ocular irritation, pain, redness, and conjunctivitis. PRODUCT: FRONTLINE PLUS DOG 23-44 LBS. HISTORY: Caller states they applied the product to their dog and the dog walked by their daughter and shook. Some of the product got into her eyes. The mother is unsure it got into both eyes, but her daughter immediately started to cry and rub her eyes. She states that they rinsed her eyes for 20 seconds and she is just having eye redness. She was unable to locate product lot number and expiration and declined to provide an address. Her daughter has Down syndrome. SAFETY CALL INTERNATIONAL RESPONSE: Advised caller that the product may be irritating to eyes. Recommend rinsing both eyes with water for 10 minutes. You may need to get in the shower with her to rinse or try washing with a wash cloth. Have her rest her eyes for several hours. If any new or unexpected symptoms develop or if the symptoms are not improving or resolving as we have discussed, please contact us and refer to your reference number so that we can advise on further treatment or determine if a referral to a healthcare professional might be needed. A callback is scheduled for 2 Jan 2018. No other information is available. UPDATE 2 Jan 2018: A callback was completed. The caller rinsed the daughter's eyes as advised and seemed to be asymptomatic within 20 minutes or so. If any new or unexpected symptoms develop, please contact us and refer to your reference number so that we can advise on further treatment or determine if a referral to a healthcare professional might be needed. Callbacks are completed for this case. No further information is expected.
03-Jan-2018	UHAE; 18US000605; NC; U.S.A	**Sex:** F **Sex qualifier:** Unknown**Age:** 33.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL SPOT ON CAT **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Human exposure)	03-Jan-2018*	03-Jan-2018	0 Day(s)	H-D	Report collected by the SAFETY CALL INTERNATIONAL. Symptoms to date include: Numbness (neurological). PRODUCT: FRONTLINE TOP SPOT FOR CATS (with S-Methoprene). HISTORY: Caller is reporting dermal exposure to the product which occurred 25 minutes prior to call. When she opened the package, it got on her hands and now, all of her fingers are numb and the smell of the product remains present. She has been washing with water as she does not have any degreasing dish soap she can use. She complained that there was a long wait time when she attempted to contact the company with a complaint on how difficult the product was to open and requested to be contacted via e-mail (as she prefers e-mail over phone) so that she could file her complaint. The caller has a history of migraines and skin allergies to topical plants. SAFETY CALL INTERNATIONAL RESPONSE: Recommended to use any hand or bar soap to help remove this. Consulted with a toxicologist and instructed the caller to monitor on site. If any worsening or new symptoms develop, do not hesitate to seek medical attention if you feel this is necessary. Confirmed caller's contact information, but was unable to offer her

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											the case number before she disconnected. No callbacks are scheduled for this case. No further information is expected. UPDATE 5 Jan 2018: For follow up, please email the patient, as requested. No further information is known. UPDATE 8 Jan 2018: An email was sent to the consumer requesting follow up. No further information is known. UPDATE 9 Jan 2018: An email was sent to the consumer requesting follow up. No further information is known. UPDATE 10 Jan 2018: An email was sent to the consumer requesting follow up. No further information is known. Follow up emails are completed for this case.
17-Jan-2018	UHAE; 18US003035; FL; U.S.A	**Sex:** F **Sex qualifier:** -**Age:** 77.00 Year(s) **Weight:** 143.000 Pounds	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Human exposure)	17-Jan-2018	17-Jan-2018	0 Day(s)	H-D	HUMAN EXPOSURE: On 17 Jan 2018, an animal owner reported the following human exposure event in a 77 year old, 143 pound female to Safety Call International (SCI). 17 Jan 2018 - Caller punctured a FRONTLINE PLUS 45-88 lbs (P61601) tube in the process of opening the packaging. Product was then all over the inside of the packaging and on other Frontline tubes. When owner reached in to get the product, she got the Frontline on her hands but quickly washed them. Exposure occurred 10 minutes prior to call and pet owner reports very slight tingling on her finger tips. No further information at this time.
18-Jan-2018	UHAE; 18US003071; WI; U.S.A	**Sex:** F **Sex qualifier:** Unknown**Age:** 50.00 Year(s) **Weight:** 190 lbs	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Human exposure)	18-Jan-2018*	18-Jan-2018	0 Day(s)	H-D	Report collected by the SAFETY CALL INTERNATIONAL. Symptoms to date include: Dermatological - skin discoloration, erythema and flushed. PRODUCT: FRONTLINE PLUS CATS. HISTORY: The caller was exposed to the product approximately 20 minutes prior to the call. She stated that upon application of the product to her cat, the product began to run down. She then used her hand to grab it from running further. The product got on her hands. She washed her hands with water and Dawn dish soap for five minutes. She stated her hand now has some discoloration of white blotches with red circles. She denies that it is a hive. The patient is allergic to penicillin, Demerol, dust, and grass, but states she is healthy. SAFETY CALL INTERNATIONAL RESPONSE: This product can cause temporary skin irritation and tingling. Please rinse your skin for at least 15 minutes. you can use a mild soap to wash your skin. You can also apply cool compresses and pure Vitamin E oil from a capsule for the skin discoloration. This exposure is not expected to cause illness or persistent symptoms. If any new or unexpected symptoms develop or the symptoms are not improving or resolving as we have discussed, please call back and reference your reference number so that we may advise on treatment, further treatment, or determine if a referral to a health care professional might be needed. The case number was provided to the caller. She was transferred to animal specialist in California to address her question about what happens if the cat were to lick the application site. She stated her cat has not licked the application site. A call back to the reporter is scheduled for 19 Jan 2018. No further information. UPDATE 18 Jan 2018: The case was locked at the time of the transfer. HISTORY: The caller is asking about safety if her cat were to lick herself after she applies the product. SAFETY CALL INTERNATIONAL RESPONSE: The active ingredients in the product have a wide safety margin and if licked or ingested, it

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											would
21-Jan-2018	UHAE; 18US003366; WI; U.S.A	**Sex:** M **Sex qualifier:** Unknown**Age:** 63.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** Metformin; **Route:** Ophthalmic **Was the product used ok?:** No (Human exposure)	21-Jan-2018*	21-Jan-2018	0 Day(s)	H-D	Report collected by the SAFETY CALL INTERNATIONAL. Symptoms to date include: Ocular redness and conjunctivitis. PRODUCT: FRONTLINE PLUS DOG 45-88 LBS. HISTORY: The caller reports that he was opening the product to put it on his pet and when it opened, a drop of the product got into his right eye. He rinsed his eye and put a cloth over it. He reports that it may be a little red from the rinsing, but reports no other symptoms. He would like to know what to expect. He is allergic to Vicodin and is on Metformin. SAFETY CALL INTERNATIONAL RESPONSE: The ingredients in the product have a low level of toxicity and a wide margin of safety. Serious or long term effects are not expected. Some lesser effects such as redness or irritation could be seen. It is recommended to thoroughly rinse with water for 15 minutes in order to remove all traces of the product. After that, if there is any irritation, a cool compress may be used. Rest the eyes. Any effects would not be expected to last long. If any new or unexpected symptoms develop or if the symptoms are not improving or resolving as discussed, please call back and refer to your reference number so that we may advise on treatment, further treatment, or determine if a referral to a health care professional might be needed. The caller was provided with his case number. Callbacks are completed for this case. No further information is known.
06-Feb-2018	UHAE; 18US006518; NJ; U.S.A	**Sex:** M **Sex qualifier:** Unknown**Age:** 30.00 Month(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** PO-Oral **Was the product used ok?:** No (Human exposure)	06-Feb-2018*	06-Feb-2018	0 Day(s)	H-D	Report collected by the SAFETY CALL INTERNATIONAL. Symptoms to date include: Bad taste in mouth. PRODUCT: FRONTLINE PLUS DOG 23-44 LBS (B0002JF10) (invalid lot). HISTORY: The caller applied the product to the dog earlier in the day. He forgot about the application and eight minutes ago, kissed his dog. Now he has a bad taste in his mouth, but is otherwise asymptomatic. Caller would like to know of any poisoning concerns. SAFETY CALL INTERNATIONAL RESPONSE: This product has a relatively large margin of safety, but can cause some skin irritation and tingling. It is suggested to wash thoroughly and if some tingling develops, it's expected that it would resolve with time. If any new or unexpected symptoms develop, please call back and reference the case number so that we can advise on further treatment or determine if a referral to a health care professional might be needed. The case number and phone number was provided; however, the caller disconnected before his address could be obtained. No further information is known.
28-Feb-2018	UHAE; 18US010370; MD; U.S.A	**Sex:** F **Sex qualifier:** -**Age:** 60.00 Year(s) **Weight:** Unknown	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Human exposure)	28-Feb-2018	28-Feb-2018	0 Day(s)	H-D	Human Exposure: On 28 Feb 2018, an animal owner reported the following event in a 60 year old female to Safety Call International (SCI). 28 Feb 2018 - animal owner reports that she was applying FRONTLINE PLUS DOG 0-22 lbs (Lot # not provided) and rubbed it into the dog's fur without wearing gloves. Owner reports she rubbed the dog for 5 minutes when she realized that she was not supposed to get product on her skin. Caller became frightened because she noticed that her fingers felt slightly tingling on her right hand (hand exposed to product). NOTE: Owner could provide specific size of Frontline product or the expiration date, so Frontline Plus (0-22 lbs) was chosen for reporting purposes. No further information at this time.

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* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
01-Mar-2018	UHAE; 18US010914; -; U.S.A	**Sex:** M **Sex qualifier:** Unknown**Age:** 68.00 Year(s) **Weight:** 172 Pounds	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 12% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Human exposure)	01-Mar-2018*	01-Mar-2018	0 Day(s)	H-D	Human Exposure: On 1 Mar 2018, the following human exposure was reported to Safety Call International (SCI) by the patient, a 68 year old, 172 pound, male, of further unknown signalment. 1 Mar 2018: The patient was playing with a cat about 10 to 15 minutes after FRONTLINE PLUS CATS (lot unknown) was applied. He did not feel the product contact him, but believes it contacted his face because he's experiencing slight numbness and tingling on his lips. He also has a chemical taste in his mouth. He subsequently washed with soap and water and brushed his teeth. The patient's current status cannot be confirmed. No further medical information expected.
31-Mar-2018	UHAE; 18US017291; TX; U.S.A	**Sex:** F **Sex qualifier:** Unknown**Age:** 67.00 Year(s) **Weight:** 185 Pounds	1	1	0	**Product used:** FIPRONIL 10%/S METHOPRENE 9% SPOT ON **Other products used:** no other products **Route:** unknown **Was the product used ok?:** No (Human exposure)	31-Mar-2018*	31-Mar-2018	0 Day(s)	H-D	Human Exposure: On 31 Mar 2018, the following human exposure was reported to Safety Call International (SCI) by the patient, a 67 year old, 185 pound, female of further unknown signalment. 31 Mar 2018: At some point after treating her dog with FRONTLINE PLUS DOG 5-22 LBS (R60525AL), the reporter suspects she touched her mouth with her fingers because she has the taste of the product in her mouth. No treatment has been given for the ongoing symptom. The patient does have a shrimp allergy and a history of hypertension. UPDATE 4 Apr 2018 - SCI followed up with patient on 3 Apr 2018. Patient reports that she had something to drink following the exposure and the taste faded after a few minutes. Patient has remained asymptomatic since that time. No further medical information expected.

N/A signifies the information for this field is either not available or not applicable

Sex Codes: M = Male, F = Female, U = Unknown, Mixed = Mixed population – male(s) and female(s)
* Indicates approximate date or weight

D-A CASES

ED_005739D_00014396-00454

ED_005739D_00014396-00455

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data				
	Reporter Name	Submission date. 05-07-2018	Contact person (if different than reporter) Dr TAYLOR	Internal ID # 17US078023
	Address ATLAS MI 48411 U.S.A		Address COUNTRY VETERINARY CLINIC 12145 E BRISTOL RD DAVISON MI, 48423 U.S.A	
	Phone #		Phone # 810-658-1993	
	Incident Status: New If update,include date of original submission	Location and date of incident. 10-13-2017	Date registrant became aware of incident. 02-02-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved			
	EPA Registration # (Product 1) 65331-4	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL 10%/S METHOPRENE 12% SPOT ON	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE PLUS CATS	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances			
	Evidence label directions were not followed? No Intentional misuse No Applicator certified PCO? No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)). Between the shoulders (topical	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00456

Internal ID # 17US078023

Brief description of incident circumstances

Suspected Adverse Event: On 2 Feb 2018, the owner reported the following event for Luc, 16 year old, 8 pound, neutered male, Siamese feline.
13 Oct 2017: One vial of FRONTLINE PLUS CATS (P41510DW) was applied between the shoulder blades. The pet experienced extended abdomen, lethargy and anorexia.
13 Nov 2017: Another vial was applied and lethargy worsened. The cat was presented to the clinic. Blood work was run which showed small anemia. The attending vet prescribed an oral steroid, vitamins and unknown injectable antibiotic.
14 Nov 2017*: The cat passed away.
The cat also received FRONTLINE on 13 Sept 2017 and no symptoms presented. No further medical information is expected.

ED_005739D_00014396-00457

Demographic information: Age: 16 Year(s) - Sex : Male Occupation (if relevant)	Exposure route: Topical / Cutaneous	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 30 Day(s)	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient) Oral steroid, vitamin,	List signs/symptoms/adverse effects Distension of abdomen Lethargy Anorexia Anaemia NOS Death		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: 1 Dose Expose duration: 8 Week(s) Patient weight: 8.000 lbs			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
17US078023

ED_005739D_00014396-00458

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name	Submission date. 05-07-2018	Contact person (if different than reporter)	Internal ID # 18AU000005
	Address Australia		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 01-02-2018	Date registrant became aware of incident. 01-01-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) 46828	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL SPRAY	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE SPRAY	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? Intentional misuse No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)).	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	Applicator certified PCO? No		
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00459

Internal ID # 18AU000005

Brief description of incident circumstances

As reported by the owner; 4 kittens of unknown signalment were sprayed with FRONTLINE SPRAY for flea and tick control on an unknown date (assumed to be the 1st of Jan 2018) by the Owner. At the time of reporting on 2nd Jan 2017, 1 kitten has since died. Vet attention was sought, but the details of this are unknown. A comment was made by one vet that anaemia due to flea burden may have been the cause of the death. This is the extent of the information available.

ED_005739D_00014396-00460

Demographic information: Age: Unknown - Sex : Unknown Occupation (if relevant)	Exposure route: Topical / Cutaneous	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 1 Day(s) *	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient)	List signs/symptoms/adverse effects Death		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: --UNKNOWN-- Expose duration: 0 Day(s) Patient weight: Unknown			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18AU000005

* approximate

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name	Submission date. 05-07-2018	Contact person (if different than reporter) Dr BRUNA CAROLINE DIAS	Internal ID # 18BR000304
	Address Ex. 8 FP – personal address Brazil		Address CENTRO MÉDICO E ESTÉTICO VETERINÁRIO VETLIFE RUA RIO DE JANEIRO, 14 SP Brazil	
	Phone #		Phone # (11)34942222	
	Incident Status: New If update,include date of original submission	Location and date of incident. 12-20-2017	Date registrant became aware of incident. 01-08-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) 7.990/2001	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL 10%/S METHOPRENE 9% SPOT ON	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE PLUS DOG S	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? No Intentional misuse No Applicator certified PCO? No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)). Between the shoulders (topical	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00462

Internal ID # 18BR000304

Brief description of incident circumstances

Suspected Adverse Event: As reported by the pet owner via social media, Nina, a female Pinscher of 13 years old and 3.8 kg, received, for the first time, one vial of FRONTLINE PLUS DOG S (FL) (lot and exp date are unknown, topical, btw the shoulder blades), applied by the reporter around 15 Dec 2017. Nina has history of hyperadrenocorticism and she also reacted after FRONTLINE SPOT-ON (see case 18BR000303). On date not specified, the dog presented with a 'lesion' near the neck. The pet was treated with an ointment and recovered on unknown date. On 2 Jan 2018, the dog was presenting wrinkled skin, purulent lesions and hair loss. Vomiting and appetite loss were mentioned by the vet. Nina was taken to the vet clinic and was treated with antibiotic (Convenia®), analgesic and other drugs. CBC test showed a 'renal problem' (high urea level). The pet was also treated with fluid therapy, but she died on 12 Jan 2018. No further information is available.

ED_005739D_00014396-00463

Demographic information: Age: 13 Year(s) - Sex : Female Occupation (if relevant)	Exposure route: Topical / Cutaneous	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 5 Day(s) *	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient) antibiotic (Convenia®),	List signs/symptoms/adverse effects Skin lesion NOS Alopecia Skin disorders NOS Emesis Anorexia Bacterial skin infection Renal insufficiency Death		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: Unknown per 1 animal Expose duration: 0 Day(s) Patient weight: 3.8 kg			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18BR000304

* approximate

ED_005739D_00014396-00464

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name	Submission date. 05-07-2018	Contact person (if different than reporter)	Internal ID # 18BR000599
	Address Brazil		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 01-05-2018	Date registrant became aware of incident. 01-16-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) 7.990/2001	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL 10%/S METHOPRENE 9% SPOT ON	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE PLUS DOG S	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? Intentional misuse No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)). Unknown use	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	Applicator certified PCO? No		
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00465

Internal ID # 18BR000599

Brief description of incident circumstances

Suspected Lack of Efficacy Claim: As reported by the pet owner via social media, one female dog of unknown signalment received FRONTLINE (FL) (unsubstantiated) (lot, exp date, route and location are unknown), applied by the reporter on unknown date (1 Jan 2018 - chosen at random). Lack of efficacy is suspected because the pet was diganosed with tick-borne disease. The dog died on date not specified. This is the extent of the information available.

ED_005739D_00014396-00466

Demographic information: Age: Unknown - Sex : Female Occupation (if relevant)	Exposure route: unknown	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms:	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient)	List signs/symptoms/adverse effects Lack of efficacy Death		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: Unknown per 1 animal Expose duration: Patient weight: Unknown			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18BR000599

ED_005739D_00014396-00467

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name	Submission date. 05-07-2018	Contact person (if different than reporter)	Internal ID # 18DE000236
	Address Germany		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 03-21-2018	Date registrant became aware of incident. 03-22-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) 400081.00.00	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL SPOT ON CAT	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE SPOT-ON K	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? Intentional misuse No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)).	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	Applicator certified PCO? No		
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00468

Internal ID # 18DE000236

Brief description of incident circumstances

As reported by the attending vet a male neutered indoor living cat (4 years and 8 months old, 4.9 kg body weight) was brought to the vet on 16 Mar 2018 because of a´ thick lip´ and was treated with Duphamox s.c. and Amoxi-Clav tablets for 5 days. On 21 Mar 2018 the cat was brought to the vet because of inappetence and hypersalivation and was treated with Sucralfat. After asking the owner mentioned, that the two cats in the household were treated once topically with 1 ampule of FRONTLINE SPOT ON CAT (FRONTLINE SPOT-ON K Germany 400082.00.00 Boehringer Ingelheim Vetmedica GmbH, batch no- P21817BX, expiry date Apr 2019) because of flea infestation the day before (was not completely sure about date). In the afternoon of 21 Mar 2018 the cat was brought to the vet again because of still being inappetent and showing mydriasis (the owner reported onset of symptoms about 12 hours after the administration of Frontline, which seems inconsistent with data reported from the vet) and was treated with Cerenia and Duphamox. The partner animal showed no symptoms but it can´t be ruled out, that the patient was licking the partner animal, so oral intake is possible. The cat was brought to a vet-clinic on 22 Mar 2018 still showing hypersalivation, mydriasis, coordination imbalances (i.e. circling) and seizures. Blood parameters were within normal range, only mild hyperglycemia was present. The cat was treated with Phenobarbital and infusion. On 25 Mar 2018 the cat died during a seizure. No necropsy, no more details. MAH comment: As the information about the cat's serious signs were only reported on 03 Apr 2018, this case deemed serious on 03 Apr 2018.

ED_005739D_00014396-00469

Demographic information: Age: 4.7 Year(s) - * Sex : Male Occupation (if relevant)	Exposure route: Topical / Cutaneous	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 12 Hour(s) *	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient) Sucralfat, Cerenia,	List signs/symptoms/adverse effects Ataxia Hypersalivation Anorexia Death Mydriasis Convulsion Hyperglycaemia		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: 1 dosage form per 1 animal Expose duration: 0 Day(s) Patient weight: 4.9 kg			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18DE000236

* approximate

ED_005739D_00014396-00470

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name Débora Unknown	Submission date. 05-07-2018	Contact person (if different than reporter)	Internal ID # 18ES000011
	Address Ex. 6 PP – personal address Spain		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 11-24-2017	Date registrant became aware of incident. 01-08-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) 1538 ESP	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL 10%/S METHOPRENE 12% SPOT ON	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE COMBO SPOT ON CATS	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation Topicals	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? Intentional misuse No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)).	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	Applicator certified PCO? No		
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00471

Internal ID # 18ES000011

Brief description of incident circumstances

Suspected adverse event: as reported by attending vet, a 10 year old male European cat received Frontline Combo for cats (unknown batch) on the 24 November 2017. It was the first time the cat was visited in this vet hospital. It lived in Pairs and hab never been treated agains fleas and ticks before. The cat goes to the vet hospital and shows scabs on its skin, facial pruritus and also fleas. It also receives Milpro (Milbemycin oxime + Praziquantel) and corticoids (dexametasone 2 days of duration IM 0.5 mg/kg). 15 minutes after product administration it starts breathing with difficulty, vomiting, and showing orthopedic posture and open mouth. The cat dies. Necropsy is highly suggestive of adverse reaction to a medicine.

ED_005739D_00014396-00472

Demographic information: Age: 10 Year(s) - Sex : Male Occupation (if relevant)	Exposure route: unknown	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms:	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient)	List signs/symptoms/adverse effects Dyspnoea Emesis Recumbency Dyspnoea Death		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: 0.5 millilitres per 1 animal Expose duration: 0 Day(s) Patient weight: Unknown			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18ES000011

ED_005739D_00014396-00473

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name G GAL...	Submission date. 05-07-2018	Contact person (if different than reporter)	Internal ID # 18FR000327
	Address 66 France		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 03-03-2018	Date registrant became aware of incident. 03-12-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) FR/V/3168431 0/2003	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL 10%/S METHOPRENE 12% SPOT ON	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE COMBO SPOT ON CHAT	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? Intentional misuse No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)).	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	Applicator certified PCO? No		
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

Internal ID # 18FR000327

Brief description of incident circumstances

FR-ANMV-18 ANMV 00503: A 9-year-old cat has been treated monthly with 1 pipette of FRONTLINE COMBO SPOT-ON CHAT without any adverse reactions reported. On 03-MAR-2018 at about 1:00 pm, the cat went outside after application of the pipette. The cat stayed lying up to 2:30 pm when it began to present signs of poisoning: hypersalivation, vocalisation, ataxia, discomfort and then death at 3:30 pm. No necropsy performed. Reason for treatment: Preventive.

ED_005739D_00014396-00474

ED_005739D_00014396-00475

Demographic information: Age: 9 Year(s) - Sex : Female Occupation (if relevant)	Exposure route: Topical / Cutaneous	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 0 Day(s)	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient)	List signs/symptoms/adverse effects Hypersalivation Vocalisation Ataxia Discomfort NOS Death		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: 1 pipette monthly; Expose duration: 0 Day(s) Patient weight: 3.5-4 kg			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18FR000327

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name	Submission date. 05-07-2018	Contact person (if different than reporter)	Internal ID # 18DK000020
	Address Denmark		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 02-26-2018	Date registrant became aware of incident. 02-27-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) 35403	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL 10%/S METHOPRENE 12% SPOT ON	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE COMBO VET SPOT-ON CATS	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? Intentional misuse No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)). Unknown	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	Applicator certified PCO? No		
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00477

Internal ID # 18DK000020

Brief description of incident circumstances

The 0.5-1 years old cat (breed, gender and weight unknown) was treated with Frontline Combo, batch no P41408PL, on 25 FEB 2018. Approximately 1 day later the cat was found dead out in the Volier. There was not observed any symptoms before the cat was found dead. The owner also treated her other cat and this cat did not showed any symptoms and is doing fine. The cat was sent for autopsy. Autopsy performed by University of Copenhagen: The skin was removed form the cat and beneath there was found severe subcutaneous bleeding on the hindpart special on the left thigh and hip and right leg below the hock. At the same place as the bleeing there was found 4 perforations going through skin and muscle. There was found two acute fractures on the hip and hindleg. Diaphragma was found ruptured and part of the liver was dislocated ventral to the heart and lungs. Conclusion: The changes are consistent with the fact that the cat is dead as result of severe trauma. Perforation of the skin and the caudal localization indicate that he cat has been bitten by a larger animal.

ED_005739D_00014396-00478

Demographic information: Age: 0.5 - 1 Year(s) Sex : Unknown Occupation (if relevant)	Exposure route: unknown	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 1 Day(s) *	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient)	List signs/symptoms/adverse effects Death		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: Unknown Expose duration: Patient weight: Unknown			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18DK000020

* approximate

ED_005739D_00014396-00479

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name Unknown	Submission date. 05-07-2018	Contact person (if different than reporter)	Internal ID # 18US001297
	Address WEST PETERBOROUGH NH 03468 U.S.A		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 01-01-2018	Date registrant became aware of incident. 01-09-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) 65331-5	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL 10%/S METHOPRENE 9% SPOT ON	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE PLUS DOG 5-22 LBS	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? Intentional misuse No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)). Unknown use	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	Applicator certified PCO? No		
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

Internal ID # 18US001297

Brief description of incident circumstances

Suspected Adverse Event: On 9 Jan 2018, the owner reported the following event for a dog of unknown signalment.
The dog was treated with FRONTLINE (product unsubstantiated) on an unknown date and on an unknown date the dog died of kidney failure. The owner declined the report. No further medical information expected.

ED_005739D_00014396-00480

ED_005739D_00014396-00481

Demographic information: Age: Unknown - Sex : Unknown Occupation (if relevant)	Exposure route: Topical / Cutaneous	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 0 Day(s) *	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient)	List signs/symptoms/adverse effects Renal insufficiency Death		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: Unknown Expose duration: Patient weight: Unknown			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18US001297

* approximate

ED_005739D_00014396-00482

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name Dr Daisy Richardson	Submission date. 05-07-2018	Contact person (if different than reporter)	Internal ID # 18US002985
	Address VETERINARY WELLNESS CENTER 466 ANGLIANA AVE LEXINGTON KY, 40508 U.S.A		Address --UNKNOWN--	
	Phone # 859-255-2275		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 01-03-2018	Date registrant became aware of incident. 01-17-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) N141406	EPA Registration # (Product 2) 65331-5	EPA Registration # (Product 3)
	A.I. (s) AFOXOLANER 68 MG CHEWABLE TABLETS	A.I. (s) FIPRONIL 10%/S METHOPRENE 9% SPOT ON	A.I. (s)
	Product 1 name NEXGARD (68 mg)	Product 2 name FRONTLINE PLUS DOG 23-44 LBS	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? No Intentional misuse No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)).	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	Applicator certified PCO? No		
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00483

Internal ID # 18US002985

Brief description of incident circumstances

On 17 Jan 2018, a veteirnarian reported the following event in a 12 year old, 33 pound, intact male geriatric Whippet with a history of mildly elevated renal values to Safety Call International (SCI).
*1 Sep 2016 - dog started FRONTLINE PLUS 23-44 (Lot # not available) (product unsubstantiated) exact dates of administration unknown. Last dose of Frontline was approximately 1 Sep 2017. Owner was still seeing live fleas so DVM recommended waiting 3-4 weeks to start Nexgard.
1 Oct 2017 - dog was administered 1 dose of NEXGARD 68 mg (Lot # not available) orally
3 Jan 2018 - dog was seen at clinic for anorexia and lethargy and was diagnosed with renal failure, dog was treated with IV fluids
10 Jan 2018 - dog was vomiting, still anorexic, and no improvement was seen in kidney values with treatment. Dog was euthanized.
No more medical information expected.
UPDATE 30 Jan 2018 - Called clinic to confirm if Nexgard administration continued monthly. Clinic receptionist indicated that it is her belief the Nexgard administration continued monthly from *1 Oct 2017 to *1 Jan 2018 though could not confirm exact dates of administration.

ED_005739D_00014396-00484

Demographic information: Age: 12 Year(s) - Sex : Male Occupation (if relevant)	Exposure route: PO-Oral	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 3 Month(s)	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient) IV fluids	List signs/symptoms/adverse effects Anorexia Lethargy Renal insufficiency Emesis Death		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: 1 Dose per 1 animal Expose duration: 0 Day(s) Patient weight: 33 lbs			
Human severity category D-A			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18US002985

BICHON FRISE CASES

ED_005739D_00014396-00485

ED_005739D_00014396-00486

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name	Submission date. 05-08-2018	Contact person (if different than reporter)	Internal ID # 18AR000001
	Address Buenos Aires Argentina		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 12-23-2017	Date registrant became aware of incident. 01-08-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) 94360	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL SPRAY	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE SPRAY	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? Intentional misuse No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)). Unknown use	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	Applicator certified PCO? No		
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00487

Internal ID # 18AR000001

Brief description of incident circumstances

As reported by pet owner, Milo, a 3 years old canine, male, neutered, 6 kgr., Bichon Frise, with good health status, received Frontline Spray x 100 ml, batch P05101A, expiry Nov/19, topically on 12/23/17. After product administration the animal continues having fleas.
A BI technical talked with the owner. The dose is unknown and she does not make environmental treatment.
It is unknown if the owner has had the product before
The technical suggested an environmental treatment with methoprene and recomended to vacuum the environment and a monthly usage of Frontline Spray or Frontline Plus.
There is no further information expected.

Demographic information: Age: 3 Year(s) - Sex : Male Occupation (if relevant)	Exposure route: Topical / Cutaneous	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 0 Day(s)	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient)	List signs/symptoms/adverse effects Lack of efficacy		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: Unknown per Unknown Expose duration: 0 Day(s) Patient weight: 6 kg			
Human severity category D-D			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18AR000001

ED_005739D_00014396-00488

ED_005739D_00014396-00489

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name	Submission date. 05-08-2018	Contact person (if different than reporter)	Internal ID # 18NZ000031
	Address New Zealand		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 01-21-2018	Date registrant became aware of incident. 01-25-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) A9009	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL 10%/S METHOPRENE 9% SPOT ON	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE PLUS DOG S	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation Topicals	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? No Intentional misuse No Applicator certified PCO? No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)). Base of Skull and btw Shoulder	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00490

Internal ID # 18NZ000031

Brief description of incident circumstances

As reported by the owner she treated her 6kg, male Bichon cross Poodle with FRONTLINE Plus for Small Dogs (FLP) unknown batch and expiry, on Sunday 21 January 2018. She also applied FRONTLINE Plus for Cats (unknown batch and expiry) on her two cats, a female spayed British Blue weighing approximately 5kg and a male neutered Domestic Short Hair weighing approximately 3 kg. This was the first time the animals had been treated with FLP. The owner is seeing 3-5 fleas per day on the dogs but the cats appear to be unaffected. The owner was using another form of flea control (brand unknown) 3 weeks previously but switched to FLP as was still seeing fleas on the animals. According to the owner, all animals were treated 4 weekly year round with the other flea control product. All animals are indoor/outdoor and the owner has removed carpets recently. The owner's other dog also continued to have fleas after treatment with FLP, refer to case 18NZ00030.

ED_005739D_00014396-00491

Demographic information: Age: Unknown - Sex : Male Occupation (if relevant)	Exposure route: Topical / Cutaneous	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 0 Day(s)	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient)	List signs/symptoms/adverse effects Lack of efficacy		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: 1 dosage form per 1 animal Expose duration: 0 Day(s) Patient weight: 6 kg			
Human severity category D-D			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

Internal ID #
18NZ000031

ED_005739D_00014396-00492

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name	Submission date. 05-08-2018	Contact person (if different than reporter)	Internal ID # 18NZ000063
	Address New Zealand		Address --UNKNOWN--	
	Phone #		Phone #	
	Incident Status: New If update,include date of original submission	Location and date of incident. 12-19-2017	Date registrant became aware of incident. 02-08-2018	Was incident part of larger study ? No

Row 2 Pesticide(s) Involved	EPA Registration # (Product 1) A9009	EPA Registration # (Product 2)	EPA Registration # (Product 3)
	A.I. (s) FIPRONIL 10%/S METHOPRENE 9% SPOT ON	A.I. (s)	A.I. (s)
	Product 1 name FRONTLINE PLUS DOG S	Product 2 name	Product 3 name
	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?	Exposed to concentrate prior to dilution ?
	Formulation Topicals	Formulation	Formulation

Row 3 Incident Circumstances	Evidence label directions were not followed? No Intentional misuse No Applicator certified PCO? No	Incident site: (Examples include home, yard, school, industrial, nursery/ greenhouse, surface water, commercial turf, building/office, forest/woods, agricultural (specify crop), right-of-way, (rail, utility, highway)). Base of Skull and btw Shoulder	Situation (act of using product) :(examples including mixing/loading, reentry, application, transportation, repair, maintenance of application equipment, manufacturing/formulating). See Incident Description Notes
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff). See Incident Description	Brief description of incident circumstances	

ED_005739D_00014396-00493

Internal ID # 18NZ000063

Brief description of incident circumstances

As reported by the owner she treated her 1 year old, 6kg, male entire Bichon cross Maltese Toby with FRONTLINE Plus for Small Dogs on 26 January 2018. Prior to that he was treated on 19 December 2017, and monthly prior to that. Since treatment in December the owner has continued to see live fleas on the dog and he is scratching. Her children are also getting flea bites in the house. She has one other dog in the house that also is still getting fleas, refer to case 18NZ000064. There are also 2 cats in the house that are treated with FRONTLINE Plus for Cats but they don't seem to have as many fleas as the dogs. All animals have unlimited access outdoors.

ED_005739D_00014396-00494

Demographic information: Age: 1 Year(s) - Sex : Male Occupation (if relevant)	Exposure route: Topical / Cutaneous	Was adverse effect result of suicide/homicide or attempted suicide/homicide? No	Was protective clothing worn (specify) ?
If female, pregnant ?	Was exposure occupational? If yes, days lost due to illness:	Time between exposure and onset of symptoms: 11 Month(s) *	
Type of medical care sought (examples include none, clinic, hospital emergency department, private physician, PCC, hospital inpatient)	List signs/symptoms/adverse effects Lack of efficacy		If lab tests were performed, list test names and results(If available submit report). None reported
Exposure data: Amount of pesticide: 1 dosage form per 1 animal Expose duration: 13 Month(s) Patient weight: 6 kg			
Human severity category D-D			

This box can be used to provide any explanatory or qualifying information surrounding the incident. (add additional pages if necessary)

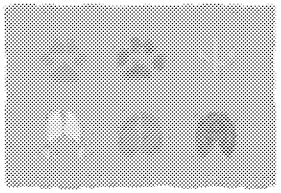
Internal ID #
18NZ000063

* approximate

CERTIFECT CASES

ED_005739D_00014396-00495

EPA Quarterly Aggregate Report



Number of Incidents and Adverse Effects Reported by Exposure Type and Severity Category (USA)
Reporting Period: 01-Jan-2018 to 01-Apr-2018 [1]
Product Family: CERTIFECT (incl. non-specific)

Generic Name / USA Registration Number	Total Incidents	H-D Human - Minor Effects	H-E Human - Unknown, Unspecified or Delayed Effects	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
FIPRONIL 9.8%/S-METHOPRENE 8.8%/ AMITRAZ 22.1% SPOT-ON / 65331-7	3	0	0	0	0	3
Totals	**3**	**0**	**0**	**0**	**0**	**3**

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

USA off-label species totals are included

Use in Off-Label Species (USA)
Reporting Period: 01-Jan-2018 to 01-Apr-2018 [1]
Product Family: CERTIFECT (incl. non-specific)

Generic Name / Registration Number Species	Total Incidents	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
No matching records.				

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

Number of Incidents and Adverse Effects Reported by Exposure Type and Severity Category (Extraterritorial)
Reporting Period: 01-Jan-2018 to 01-Apr-2018[1]
Product Family: CERTIFECT (incl. non-specific)

Generic Name / USA Registration Number	Total Incidents	H-D Human - Minor Effects	H-E Human - Unknown, Unspecified or Delayed Effects	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
No matching records.						

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

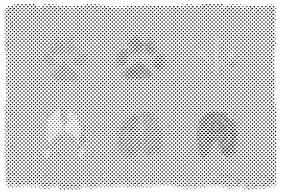
Extraterritorial off-label species totals are included

Use in Off-Label Species (Extraterritorial)
Reporting Period: 01-Jan-2018 to 01-Apr-2018 [1]
Product Family: CERTIFECT (incl. non-specific)

Country Generic Name / USA Registration Number Species	Total Incidents	D-A Domestic Animal - Death	D-B Domestic Animal - Major Effects	D-C, D-D, D-E Domestic Animal - Moderate, Minor, Unknown or Unspecified
No matching records.				

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

EPA Report



Worldwide Adverse Event Reports Involving - Animal Cases
Reporting Period: 01-Jan-2018 to 01-Apr-2018[1]

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
31-Jan-2018	UAE; 18US005138; MI; U.S.A	**Species:** Canine **Breed:** Retriever Labrador **Sex:** F **Sex qualifier:** Neutered **Age:** 1.00 Year(s) **Weight:** 47.5 lbs	1	1	0	**Product used:** FIPRONIL 9.8%/S-METHOPRENE 8.8%/AMITRAZ 22.1% SPOT-ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** No (Off label use / Indication)	30-Jan-2017	30-Jan-2018	12 Month(s)	D-D	Suspected Adverse Event: On 31 Jan 2018, the veterinarian reported the following event for Digo, a 1 year old 47.5 pound female spayed Labrador Retriever mix. 30 Jan 2018: First dose of CERTIFECT FOR DOGS 45-88 LBS (unknown lot) was applied one full vial down to the skin between the shoulder blades. Following dosing, Digo was hyper. The pet owners washed the area with dish soap as recommend by the veterinarian. She improved a little but was still nervous and overactive. 31 Jan 2018: She was lethargic and timid. She has a history of demodex. No further medical information expected.
27-Feb-2018	UAE; 18US010054; PA; U.S.A	**Species:** Canine **Breed:** Shetland Sheep Dog (Sheltie) **Sex:** M **Sex qualifier:** - **Age:** 20.00 Month(s) **Weight:** 15 lbs	2	1	0	**Product used:** FIPRONIL 9.8%/S-METHOPRENE 8.8%/AMITRAZ 22.1% SPOT-ON **Other products used:** no other products **Route:** Topical / Cutaneous **Was the product used ok?:** Yes	26-Feb-2018	26-Feb-2018	0 Day(s)	D-D	Suspected Adverse Event: On 27 Feb 2018, the owner reported the following event for Angus, a 20 month old (born 7 Jun 2016), 15 pound, intact male, Sheltie. 26 Feb 2018: Dog received CERTIFECT FOR DOGS 5-22 LBS (lot number and expiration date unknown) for the first itme. Within 3 hours the dog was being lazy and vomited a little bile. 27 Feb 2018: Dog vomited an additional 3 times and was not eating. There are 7 other dogs in the home, one of which also received CERTIFECT without any issues. No further medical information expected.
08-Mar-2018	UAE; 18US012077; MN; U.S.A	**Species:** Canine **Breed:** Medium crossbred (10 - 20 Kg) **Sex:** F **Sex qualifier:** Neutered	1	1	0	**Product used:** FIPRONIL 9.8%/S-METHOPRENE 8.8%/AMITRAZ 22.1% SPOT-ON **Other products**	17-Feb-2017*	07-Mar-2017	18 Day(s)	D-D	Suspected Lack of Efficacy Claim: On 8 Mar 2018, the veterinarian reported the following even for Elsa, a 27.2 pound, 2 year old (born 26 Feb 2015), spayed female mixed breed canine. 1 May 2015: Twelve chews of HEARTGARD PLUS (68 MCG/57 MG) (Lot and Expiration Unknown) were purchased as the dog weighed 23 pounds. 7 Mar 2018: Elsa tested heartworm antigen positive via snap

N/A signifies the information for this field is either not available or not applicable

Report printed on 08-May-2018 at 10:53:49AM

Report : D:\Assured\crystal_reports\EPAreport.p2.4.rpt

1. Due to system limitations the end date is displayed as 1 April 2018, however only cases with a date first valid from 1 January 2018 through 31 March 2018 are displayed.

v1.2v1.2

Sex Codes: M = Male, F = Female, U = Unknown, Mixed = Mixed population – male(s) and female(s)

* Indicates approximate date or weight

Date case Received	Case type; Case Reference; State and Country of Occurrence	Patient	# Treated	# Reacted	# Died	Product(s)	Product Start Date	Date Reaction Started	Time to Onset	EPA Code	Event Narrative
		Age: 2.00 Year(s) **Weight:** 27.2 lbs				**used:** IVERMECTIN/PYRANTEL PAMOATE CHEWABLE 68MCG/163MG; Interceptor; **Route:** Topical / Cutaneous **Was the product used ok?:** Unknown to Company					test. A confirmation Idexx test on a separate blood draw was also positive. She was negative for microfilaria. No treatment has been given at this time. Elsa may have potentially been receiving HEARTGARD PLUS prior to May 2017, but this is currently unknown. There are no other dogs in the home. No further information at this time. UPDATE 10 Mar 2018: The records that the reporting veterinarian sent show that the patient was given 1 dose of Interceptor Plus on 12 Feb 2017. Patient also tested negative for heartworm antigen on 17 Feb 2017. CERTIFECT was also applied to the patient 17 Feb 2017. Elsa's weight on the invoice for 1 May 2017 when 12 doses of HEARTGARD PLUS (68 MCG/57 MG) was purchased at a different veterinary hospital from the reporting hospital was 21.6 pounds. It is unknown when the patient went over 25 pounds.

N/A signifies the information for this field is either not available or not applicable

N/A signifies the information for this field is either not available or not applicable

From: helpdesk@epacdx.net
To: McAlister,Leann (AH GI RA PV) BIAH-US-D
Subject: CDX PSP Package Transmitted to OPP
Date: Thursday, March 25, 2021 5:17:27 PM

CAUTION! Please do not click links or open attachments unless you recognize the sender, this email is from an **External Sender** (outside Boehringer-Ingelheim)

Your PSP package (20210325_Resubmission_CoverLetter_EPAAggregateReport1Q18) for BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC. (65331) has been successfully transmitted to OPP.

Below are the application(s) included in this package and their tracking number(s):
Sec3-6(a)(2)-000001: CDX_2021_003330
Sec3-6(a)(2)-000002: CDX_2021_003331
Sec3-6(a)(2)-000003: CDX_2021_003332
Sec3-6(a)(2)-000004: CDX_2021_003333
Sec3-6(a)(2)-000005: CDX_2021_003334
Sec3-6(a)(2)-000006: CDX_2021_003335

Company Name: BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.
Company Number: 65331

If you have questions concerning this message, you may contact the CDX Help Desk by email at helpdesk@epacdx.net or by calling the CDX Technical Support Staff through our toll free telephone support on (888) 890-1995 between Monday through Friday from 8:00 am to 6:00 pm EST/EDT. For International callers, the CDX Help Desk can also be reached at (970) 494-5500.

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