Form Approved OMB Nos. 2070-0060; 2070-0057; 2070-0107; 2070-0122; 2070-0164

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number FMC Corporation, 1735 Market Street, Philadelphia, PA 19103	EPA Registration Number/File Symbol 279-3292
Active Ingredient(s) and/or representative test compound(s) cypermethrin	Date October 14, 2009
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial food, Indoors non-food/feed areas, Outdoor non-food, FHE non-food areas.	Product Name CYPER Technical Insecticide

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☑ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses .

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature	Date	Typed or Printed Name and Title
	10/14/2009	Nancy Hilton, Product Registrations Manager

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DATA MATRIX

Date October 14, 2009	EPA Reg. No./File Symbol 279-3292	Page 1 of 13
Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
81-1	Acute Oral LD50 – Rat	00056800	279	OWN	
81-2	Acute Dermal LD50 – Rat	00056800	279	OWN	
81-3	Acute Inhalation – Rat	42395702	279	OWN	
81-3	Acute Inhalation – Rat	New study	279	OWN	
81-4	Primary Eye Irritation – Rabbit	00056800	279	OWN	
81-5	Primary Dermal Irritation	00056800	279	OWN	
81-6	Dermal Sensitization	40377701	279 & 10182	OWN	
81-6	Dermal Sensitization	42244701	279 & 10182	OWN	
81-6	Dermal Sensitization	00056800	279	OWN	
870.6200	Acute Neurotoxicity – Rat	43152001	279	OWN	
82-1	90 Day Feeding – Rat	56802	279 &10182	OWN	
82-1	90 Day Feeding – Rat	112929	279 &10182	OWN	
82-1	Subchronic (3 month) Dog/Diet	44527002	279	OWN	
82-2	21 Day Dermal- Rat	90035	279 &10182	OWN	
82-2	21 Day Dermal- Rat	45010401	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date October 14, 2009

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
82-4	21 Day Subacute Inhalation – Rat	43507101	279 & 10182	OWN	
870.6200	Subchronic Neurotoxicity – Rat	43152002	279	OWN	
83-1	Chronic Feeding – Rat	112910	10182	EXC	
83-1	Chronic Feeding (12 Month) Dog/Diet	44536801	279	OWN	
83-2	Oncogenicity – Mouse	112911	10182	EXC	
83-2	Oncogenicity – Rat	112910	10182	EXC	
83-2	Oncogenicity	92027038	10182	EXC	
83-3	Teratology – Rat	92026812	279 & 10182	OWN	
83-3 (b)	Teratology – Rat	42068505	279 &10182	OWN	
83-3 (b)	Teratology – Rabbit	41899801	279& 10182	OWN	
83-3 (b)	Teratology – Rabbit	43776301	279	OWN	
83-3 (b)	Teratology – Rabbit	43776302	279	OWN	
83-4	Two Generation Rat Reproduction	112912	279 & 10182	OWN	
83-4	Two Generation Rat Reproduction	42068504	279 & 10182	OWN	
84-2	Mutagenicity – AMES	41551101	279 & 10182	OWN	
84-2	Mutagenicity – Mammalian Cell Culture	41968206	279 & 10182	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date October 14, 2009

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2	Mutagenicity – Salmonella/Microsomes	90037	279 & 10182	OWN	
84-2	Mutagenicity – Bone Marrow/Chinese Hamsters	90038	279 & 10182	OWN	
84-2	Mutagenicity – Unscheduled DNA	41599801			
84-4	Other Genotoxic Effects	41599801	279 & 10182	OWN	
85-1	General Metabolism	41551102	279	OWN	
85-1	General Metabolism	41551103	279	OWN	
85-1	General Metabolism	41551104	279	OWN	
	Dietary Feasibility Study – Rats	46538902	279	OWN	
	Rationale to Remove the Database Uncertainty Factor	46538901	279	OWN	
	A Dietary Dose-Range Finding Developmental Neurotoxicity Study of Zeta-Cypermethrin Technical in Rats.	46670401	279	OWN	
	A Dietary Developmental Neurotoxicity Study of Zeta-Cypermethrin Technical in Rats.	46670402	279	OWN	
	A Dietary Placental Transfer and Lactation Transfer Study of Zeta-Cypermethrin Technical in Rats	46670403	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date October 14, 2009

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300	Nature of the Residue- Cotton	42876301	279	OWN	
860.1300	Nature of the Residue- Corn	43421301	279	OWN	
860.1300	Nature of the Residue- Corn	43775101	279	OWN	
860.1300	Nature of the Residue- Sugar beet	44876205	279	OWN	
860.1300	Nature of the Residue- Poultry	42876302	279	OWN	
860.1340	Residue Analytical Method-Bulb Onions	40072302	279	OWN	
860.1340	Residue Analytical Method-Cow Milk,Tissues	43278003	279	OWN	
860.1340	Residue Analytical Method-Poultry, Eggs	43775103	279	OWN	
860.1340	Independent Method Validation (Cow Fat)	43775105	279	OWN	
860.1340	Independent Method Validation (Cow Milk)	43775106	279	OWN	
860.1340	Independent Method Validation (Cow Muscle)	43775107	279	OWN	
860.1340	Independent Method Validation (Poultry, Egg)	43775108	279	OWN	
860.1340	Radiovalidation (Poultry Muscle, Egg Yolk)	43775104	279	OWN	
860.1380	Storage stability- (Plant/Soil)	71380/ 125658	279	OWN	

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Storage stability- (Plant/Soil)	42177001	279	OWN	
860.1380	Storage stability- (Cottonseed Processed)	46775903	279	OWN	
860.1380	Storage stability- (Broccoli & Mustard Greens)	43578201	279	OWN	
860.1380	Storage stability- (Lettuce)	43578202	279	OWN	
860.1380	Storage stability- (Cow Milk, Tissues)	43775110	279	OWN	
860.1380	Storage stability- (Poultry Egg, Tissues)	43775109	279	OWN	
860.1480	Meat/Milk/Poultry/Eggs (Poultry)	43278001	279	OWN	
860.1480	Meat/Milk/Poultry/Eggs (Cow)	43278002	279	OWN	
860.1500	Magnitude of Residue (Cotton)	132000	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	67376	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	81575; 90046	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	127892	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	43172001	279	OWN	
860.1500	Magnitude of Residue (Cotton) (Ginned Cottonseed)	248522	279	OWN	
860.1500	Magnitude of Residue (Cotton) (Ginned	90027	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date October 14, 2009

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cottonseed)				
860.1500	Magnitude of Residue (Cotton) (Processed Fractions)	132828	10182	EXC	
860.1500	Magnitude of Residue (Cotton) (Processed Fractions)	90028	279	OWN	
860.1500	Magnitude of Residue (Cotton) (Processed Fractions)	46775904	279	OWN	
860.1500	Magnitude of Residue (Pecans)	131670	10182	EXC	
860.1500	Magnitude of Residue (Bulb Onions)	40072301	279	OWN	
860.1500	Magnitude of Residue (Head Lettuce)	71380/ 125658	279	OWN	
860.1500	Magnitude of Residue (Head Lettuce)	43578203	279	OWN	
860.1500	Magnitude of Residue (Cabbage)	72233	279	OWN	
860.1500	Magnitude of Residue (Broccoli)	43009701	279	OWN	
860.1500	Magnitude of Residue (Mustard Greens)	43009702	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
158.290	**Environmental Fate Data**				
161-1	Hydrolysis	42620501	279	OWN	
161-1	Hydrolysis	218522	279	OWN	
161-2	Photodegradation- Water	42141501	279	OWN	
161-2	Photodegradation- Water	42395701	279	OWN	
161-3	Photodegradation- Soil	42129001	279	OWN	
161-3	Photodegradation- Soil	42112901	279	OWN	
162-1	Aerobic Soil Metabolism	42156601	279	OWN	
162-2	Anaerobic Soil Metabolism	42156602	279	OWN	
162-3	Anaerobic Aquatic Metabolism	44876105	279	OWN	
162-4	Aerobic Aquatic Metabolism	44876106	279	OWN	
163-1	Leaching/ Adsorption-Desorption	42129002	279	OWN	
163-1	Leaching/ Adsorption-Desorption	42129003	279	OWN	
164-1	Soil Dissipation	42459601	279	OWN	
164-2	Aquatic Field Dissipation	44876107	279	own	
165-2	Rotational Crops (field)	98000	10182	EXC	

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
165-4	Fish Accumulation	42868203	279	OWN	
158.490	**Toxicology Fish & Wildlife**				
71-1	Avian Oral LD50- Mallard	90070	10182	EXC	
71-2	Avian LC50- Quail	90072	10182	EXC	
71-2	Avian LC50- Mallard	90071	10182	EXC	
71-4	Avian Reproduction	90074	10182	EXC	
71-4	Avian Reproduction	42322901	279	OWN	
71-4	Avian Reproduction	42322902	279	OWN	
72-1(b)	Freshwater Fish LC50- Bluegill Sunfish	65812	10182 & 279	OWN	
72-1(b)	Freshwater Fish LC50- Bluegill Sunfish	88948	10182 & 279	OWN	
72-1(d)	Freshwater Fish LC50- Rainbow Trout	62792	10182 & 279	OWN	
72-1(d)	Freshwater Fish LC50- Rainbow Trout	88947	10182 & 279	OWN	
72-1(d)	Freshwater Fish LC50- Rainbow Trout	41968209	279	OWN	
72-2	Acute LC50 Freshwater Invertebrates-Daphnia	43293501	279	OWN	
72-2	Chironomus & Hyalella	44074401	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-2	Chironomus	44074402	279	OWN	
72-2	Hyallela	44074406	279	OWN	
72-2	Hyalella	444423501	279	OWN	
72-3	Acute LC50 Estuarine-Trout	41968209	279	OWN	
72-3	Acute LC50 Estuarine-Daphnia	41968210	279	OWN	
72-3	Acute LC50 Estuarine-Minnow	41968212	279	OWN	
72-3	Acute LC50 Estuarine-Mysid	42444601	279	OWN	
72-4	Fish Early Life Stage- Mysid	42725301	279	OWN	
72-4	Fish Early Life Stage - Daphnia	New study	279	OWN	
72-6	Aquatic Organism Accumulation	42868203	279	OWN	
72-7(a)	Simulated Field – Aquatic	42148201	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
158.160	**Product Chemistry**				
Series 830 Group A	Product Identity, Composition, and Analysis				
830.1550	Product Identity and Composition	00115281, 41887001, 46267801	279	OWN	
830.1600	Description of Materials Used to Produce the Product	00115281, 41887001, 46267801	279	OWN	
830.1620	Description of Production Process	00115281, 41887001, 46267801	279	OWN	
830.1650	Discussion of Formation of Impurities	00115281, 41887001, 46267801	279	OWN	
830.1700	Preliminary Analysis	00115281, 41887001, 46267801	279	OWN	
830.1750	Certified Limits	00115281, 41887001, 46267801	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1800	Enforcement Analytical Method	00115281, 41887001, 46267801, 46791501	279	OWN	
Series 830 Group B	Physical/Chemical Properties		279	OWN	
830.6302	Color	00115281, 41887003	279	OWN	
830.6303	Physical State	00115281, 41887003	279	OWN	
830.6304	Odor	00115281, 41887003	279	OWN	
830.7200	Melting Point	00115281, 41887003	279	OWN	
830.7220	Boiling Point	00115281, 41887003, 42868201, 42868202	279	OWN	
830.7300	Density, Bulk Density, or Specific Gravity	00115281, 41887003	279	OWN	
830.7840	Water Solubility	00115281,	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date October 14, 2009

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		41887003			
830.7950	Vapor Pressure	00115281, 41887003	279	OWN	
830.7370	Dissociation Constant	00115281, 41887003, 42868201, 42868202, 42650601	279	OWN	
830.7550	Octanol/Water Partition Coefficient	00115281, 41887003	279	OWN	
830.7000	pH	00115281, 41887003	279	OWN	
830.6313	Stability to normal and elevated temperatures, metals and metal ions	41887003, 42868201, 42868202	279	OWN	
830.6314	Oxidation/reduction	42868202	279	OWN	
830.6315	Flammability	Ref. Barcode DB303220	279	OWN	
830.6316	Explodability		279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date October 14, 2009

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6317	Storage Stability	00115281, 41887003	279	OWN	
830.7100	Viscosity	00115281, 41887003	279	OWN	
830.6319	Miscibility	00115281, 41887003	279	OWN	
830.6320	Corrosion Characteristics	00115281, 41887003	279	OWN	
830.7050	UV/visible absorption	46775906	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date October 14, 2009

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number FMC Corporation, 1735 Market Street, Philadelphia, PA 19103 (215) 299-6753	EPA Registration Number/File Symbol 279-3292
Active Ingredient(s) and/or representative test compound(s) Cypermethrin	Date 4/5/10
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Insecticide	Product Name Cyper Technical Insecticide

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☑ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☑ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses .

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (I) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature	Date	Typed or Printed Name and Title
S L Longane for N.J. HILTON	4/5/10	Nancy Hilton, Product Registrations Manager

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
81-1	Acute Oral LD50 – Rat	00056800	279	OWN	
81-2	Acute Dermal LD50 – Rat	00056800	279	OWN	
81-3	Acute Inhalation – Rat	42395702	279	OWN	
81-3	Acute Inhalation – Rat	New study	279	OWN	
81-4	Primary Eye Irritation – Rabbit	00056800	279	OWN	
81-5	Primary Dermal Irritation	00056800	279	OWN	
81-6	Dermal Sensitization	40377701	279 & 10182	OWN	
81-6	Dermal Sensitization	42244701	279 & 10182	OWN	
81-6	Dermal Sensitization	00056800	279	OWN	
870.6200	Acute Neurotoxicity – Rat	43152001	279	OWN	
82-1	90 Day Feeding – Rat	56802	279 &10182	OWN	
82-1	90 Day Feeding – Rat	112929	279 &10182	OWN	
82-1	Subchronic (3 month) Dog/Diet	44527002	279	OWN	
82-2	21 Day Dermal- Rat	90035	279 &10182	OWN	
82-2	21 Day Dermal- Rat	45010401	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date April 1, 2010

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
82-4	21 Day Subacute Inhalation – Rat	43507101	279 & 10182	OWN	
870.6200	Subchronic Neurotoxicity – Rat	43152002	279	OWN	
83-1	Chronic Feeding – Rat	112910	10182	EXC	
83-1	Chronic Feeding (12 Month) Dog/Diet	44536801	279	OWN	
83-2	Oncogenicity – Mouse	112911	10182	EXC	
83-2	Oncogenicity – Rat	112910	10182	EXC	
83-2	Oncogenicity	92027038	10182	EXC	
83-3	Teratology – Rat	92026812	279 & 10182	OWN	
83-3 (b)	Teratology – Rat	42068505	279 &10182	OWN	
83-3 (b)	Teratology – Rabbit	41899801	279& 10182	OWN	
83-3 (b)	Teratology – Rabbit	43776301	279	OWN	
83-3 (b)	Teratology – Rabbit	43776302	279	OWN	
83-4	Two Generation Rat Reproduction	112912	279 & 10182	OWN	
83-4	Two Generation Rat Reproduction	42068504	279 & 10182	OWN	
84-2	Mutagenicity – AMES	41551101	279 & 10182	OWN	
84-2	Mutagenicity – Mammalian Cell Culture	41968206	279 & 10182	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date April 1, 2010

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2	Mutagenicity – Salmonella/Microsomes	90037	279 & 10182	OWN	
84-2	Mutagenicity – Bone Marrow/Chinese Hamsters	90038	279 & 10182	OWN	
84-2	Mutagenicity – Unscheduled DNA	41599801			
84-4	Other Genotoxic Effects	41599801	279 & 10182	OWN	
85-1	General Metabolism	41551102	279	OWN	
85-1	General Metabolism	41551103	279	OWN	
85-1	General Metabolism	41551104	279	OWN	
	Dietary Feasibility Study – Rats	46538902	279	OWN	
	Rationale to Remove the Database Uncertainty Factor	46538901	279	OWN	
	A Dietary Dose-Range Finding Developmental Neurotoxicity Study of Zeta-Cypermethrin Technical in Rats.	46670401	279	OWN	
	A Dietary Developmental Neurotoxicity Study of Zeta-Cypermethrin Technical in Rats.	46670402	279	OWN	
	A Dietary Placental Transfer and Lactation Transfer Study of Zeta-Cypermethrin Technical in Rats	46670403	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date April 1, 2010

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300	Nature of the Residue- Cotton	42876301	279	OWN	
860.1300	Nature of the Residue- Corn	43421301	279	OWN	
860.1300	Nature of the Residue- Corn	43775101	279	OWN	
860.1300	Nature of the Residue- Sugar beet	44876205	279	OWN	
860.1300	Nature of the Residue- Poultry	42876302	279	OWN	
860.1340	Residue Analytical Method-Bulb Onions	40072302	279	OWN	
860.1340	Residue Analytical Method-Cow Milk,Tissues	43278003	279	OWN	
860.1340	Residue Analytical Method-Poultry, Eggs	43775103	279	OWN	
860.1340	Independent Method Validation (Cow Fat)	43775105	279	OWN	
860.1340	Independent Method Validation (Cow Milk)	43775106	279	OWN	
860.1340	Independent Method Validation (Cow Muscle)	43775107	279	OWN	
860.1340	Independent Method Validation (Poultry, Egg)	43775108	279	OWN	
860.1340	Radiovalidation (Poultry Muscle, Egg Yolk)	43775104	279	OWN	
860.1380	Storage stability- (Plant/Soil)	71380/ 125658	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Storage stability- (Plant/Soil)	42177001	279	OWN	
860.1380	Storage stability- (Cottonseed Processed)	46775903	279	OWN	
860.1380	Storage stability- (Broccoli & Mustard Greens)	43578201	279	OWN	
860.1380	Storage stability- (Lettuce)	43578202	279	OWN	
860.1380	Storage stability- (Cow Milk, Tissues)	43775110	279	OWN	
860.1380	Storage stability- (Poultry Egg, Tissues)	43775109	279	OWN	
860.1480	Meat/Milk/Poultry/Eggs (Poultry)	43278001	279	OWN	
860.1480	Meat/Milk/Poultry/Eggs (Cow)	43278002	279	OWN	
860.1500	Magnitude of Residue (Cotton)	132000	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	67376	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	81575; 90046	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	127892	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	43172001	279	OWN	
860.1500	Magnitude of Residue (Cotton) (Ginned Cottonseed)	248522	279	OWN	
860.1500	Magnitude of Residue (Cotton) (Ginned	90027	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cottonseed)				
860.1500	Magnitude of Residue (Cotton) (Processed Fractions)	132828	10182	EXC	
860.1500	Magnitude of Residue (Cotton) (Processed Fractions)	90028	279	OWN	
860.1500	Magnitude of Residue (Cotton) (Processed Fractions)	46775904	279	OWN	
860.1500	Magnitude of Residue (Pecans)	131670	10182	EXC	
860.1500	Magnitude of Residue (Bulb Onions)	40072301	279	OWN	
860.1500	Magnitude of Residue (Head Lettuce)	71380/ 125658	279	OWN	
860.1500	Magnitude of Residue (Head Lettuce)	43578203	279	OWN	
860.1500	Magnitude of Residue (Cabbage)	72233	279	OWN	
860.1500	Magnitude of Residue (Broccoli)	43009701	279	OWN	
860.1500	Magnitude of Residue (Mustard Greens)	43009702	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
158.290	**Environmental Fate Data**				
161-1	Hydrolysis	42620501	279	OWN	
161-1	Hydrolysis	218522	279	OWN	
161-2	Photodegradation- Water	42141501	279	OWN	
161-2	Photodegradation- Water	42395701	279	OWN	
161-3	Photodegradation- Soil	42129001	279	OWN	
161-3	Photodegradation- Soil	42112901	279	OWN	
162-1	Aerobic Soil Metabolism	42156601	279	OWN	
162-2	Anaerobic Soil Metabolism	42156602	279	OWN	
162-3	Anaerobic Aquatic Metabolism	44876105	279	OWN	
162-4	Aerobic Aquatic Metabolism	44876106	279	OWN	
163-1	Leaching/ Adsorption-Desorption	42129002	279	OWN	
163-1	Leaching/ Adsorption-Desorption	42129003	279	OWN	
164-1	Soil Dissipation	42459601	279	OWN	
164-2	Aquatic Field Dissipation	44876107	279	own	
165-2	Rotational Crops (field)	98000	10182	EXC	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
165-4	Fish Accumulation	42868203	279	OWN	
158.490	**Toxicology Fish & Wildlife**				
71-1	Avian Oral LD50- Mallard	90070	10182	EXC	
71-2	Avian LC50- Quail	90072	10182	EXC	
71-2	Avian LC50- Mallard	90071	10182	EXC	
71-4	Avian Reproduction	90074	10182	EXC	
71-4	Avian Reproduction	42322901	279	OWN	
71-4	Avian Reproduction	42322902	279	OWN	
72-1(b)	Freshwater Fish LC50- Bluegill Sunfish	65812	10182 & 279	OWN	
72-1(b)	Freshwater Fish LC50- Bluegill Sunfish	88948	10182 & 279	OWN	
72-1(d)	Freshwater Fish LC50- Rainbow Trout	62792	10182 & 279	OWN	
72-1(d)	Freshwater Fish LC50- Rainbow Trout	88947	10182 & 279	OWN	
72-1(d)	Freshwater Fish LC50- Rainbow Trout	41968209	279	OWN	
72-2	Acute LC50 Freshwater Invertebrates-Daphnia	43293501	279	OWN	
72-2	Chironomus & Hyalella	44074401	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-2	Chironomus	44074402	279	OWN	
72-2	Hyallela	44074406	279	OWN	
72-2	Hyalella	444423501	279	OWN	
72-3	Acute LC50 Estuarine-Trout	41968209	279	OWN	
72-3	Acute LC50 Estuarine-Daphnia	41968210	279	OWN	
72-3	Acute LC50 Estuarine-Minnow	41968212	279	OWN	
72-3	Acute LC50 Estuarine-Mysid	42444601	279	OWN	
72-4	Fish Early Life Stage- Mysid	42725301	279	OWN	
72-4	Fish Early Life Stage - Daphnia	New study	279	OWN	
72-6	Aquatic Organism Accumulation	42868203	279	OWN	
72-7(a)	Simulated Field – Aquatic	42148201	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
158.160	**Product Chemistry**				
Series 830 Group A	Product Identity, Composition, and Analysis				
830.1550	Product Identity and Composition	00115281, 41887001, 46267801 Xxxxxxxx	279	OWN	
830.1600	Description of Materials Used to Produce the Product	00115281, 41887001, 46267801 Xxxxxxxx	279	OWN	
830.1620	Description of Production Process	00115281, 41887001, 46267801 Xxxxxxxx	279	OWN	
830.1670	Discussion of Formation of Impurities	00115281, 41887001, 46267801 Xxxxxxxx	279	OWN	

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DATA MATRIX

Date April 1, 2010	EPA Reg. No./File Symbol 279-3292	Page 11 of 13
Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1700	Preliminary Analysis	00115281, 41887001, 46267801 xxxxxxxx	279	OWN	
830.1750	Certified Limits	00115281, 41887001, 46267801	279	OWN	
830.1800	Enforcement Analytical Method	00115281, 41887001, 46267801, 46791501	279	OWN	
Series 830 Group B	Physical/Chemical Properties		279	OWN	
830.6302	Color	00115281, 41887003	279	OWN	
830.6303	Physical State	00115281, 41887003	279	OWN	
830.6304	Odor	00115281, 41887003	279	OWN	
830.7200	Melting Point	00115281, 41887003	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date April 1, 2010

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Date April 1, 2010	EPA Reg. No./File Symbol 279-3292	Page 12 of 13
Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7220	Boiling Point	00115281, 41887003, 42868201, 42868202	279	OWN	
830.7300	Density, Bulk Density, or Specific Gravity	00115281, 41887003	279	OWN	
830.7840	Water Solubility	00115281, 41887003	279	OWN	
830.7950	Vapor Pressure	00115281, 41887003	279	OWN	
830.7370	Dissociation Constant	00115281, 41887003, 42868201, 42868202, 42650601	279	OWN	
830.7550	Octanol/Water Partition Coefficient	00115281, 41887003	279	OWN	
830.7000	pH	00115281, 41887003	279	OWN	
830.6313	Stability to normal and elevated temperatures, metals and metal ions	41887003, 42868201,	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date April 1, 2010

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		42868202			
830.6314	Oxidation/reduction	42868202	279	OWN	
830.6315	Flammability	Ref. Barcode DB303220	279	OWN	
830.6316	Explodability		279	OWN	
830.6317	Storage Stability	00115281, 41887003	279	OWN	
830.7100	Viscosity	00115281, 41887003	279	OWN	
830.6319	Miscibility	00115281, 41887003	279	OWN	
830.6320	Corrosion Characteristics	00115281, 41887003	279	OWN	
830.7050	UV/visible absorption	46775906	279	OWN	

	Name and Title	Date
	Nancy Hilton Product Registrations Manager	April 1, 2010

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number FMC Corporation, 1735 Market Street, Philadelphia, PA 19103 (215) 299-6753	EPA Registration Number/File Symbol 279-3292
Active Ingredient(s) and/or representative test compound(s) Cypermethrin	Date 4/5/10
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Insecticide	Product Name Cyper Technical Insecticide

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☑ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☑ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses .

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (I) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature S L Longanecker for N.J. Hilton	Date 4/5/10	Typed or Printed Name and Title Nancy Hilton, Product Registrations Manager

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
81-1	Acute Oral LD50 – Rat	00056800	279	OWN	
81-2	Acute Dermal LD50 – Rat	00056800	279	OWN	
81-3	Acute Inhalation – Rat	42395702	279	OWN	
81-3	Acute Inhalation – Rat	New study	279	OWN	
81-4	Primary Eye Irritation – Rabbit	00056800	279	OWN	
81-5	Primary Dermal Irritation	00056800	279	OWN	
81-6	Dermal Sensitization	40377701	279 & 10182	OWN	
81-6	Dermal Sensitization	42244701	279 & 10182	OWN	
81-6	Dermal Sensitization	00056800	279	OWN	
870.6200	Acute Neurotoxicity – Rat	43152001	279	OWN	
82-1	90 Day Feeding – Rat	56802	279 &10182	OWN	
82-1	90 Day Feeding – Rat	112929	279 &10182	OWN	
82-1	Subchronic (3 month) Dog/Diet	44527002	279	OWN	
82-2	21 Day Dermal- Rat	90035	279 &10182	OWN	
82-2	21 Day Dermal- Rat	45010401	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date April 1, 2010

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	
Ingredient Cypermethrin		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
82-4	21 Day Subacute Inhalation – Rat	43507101	279 & 10182	OWN	
870.6200	Subchronic Neurotoxicity – Rat	43152002	279	OWN	
83-1	Chronic Feeding – Rat	112910	10182	EXC	
83-1	Chronic Feeding (12 Month) Dog/Diet	44536801	279	OWN	
83-2	Oncogenicity – Mouse	112911	10182	EXC	
83-2	Oncogenicity – Rat	112910	10182	EXC	
83-2	Oncogenicity	92027038	10182	EXC	
83-3	Teratology – Rat	92026812	279 & 10182	OWN	
83-3 (b)	Teratology – Rat	42068505	279 &10182	OWN	
83-3 (b)	Teratology – Rabbit	41899801	279& 10182	OWN	
83-3 (b)	Teratology – Rabbit	43776301	279	OWN	
83-3 (b)	Teratology – Rabbit	43776302	279	OWN	
83-4	Two Generation Rat Reproduction	112912	279 & 10182	OWN	
83-4	Two Generation Rat Reproduction	42068504	279 & 10182	OWN	
84-2	Mutagenicity – AMES	41551101	279 & 10182	OWN	
84-2	Mutagenicity – Mammalian Cell Culture	41968206	279 & 10182	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date April 1, 2010

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2	Mutagenicity – Salmonella/Microsomes	90037	279 & 10182	OWN	
84-2	Mutagenicity – Bone Marrow/Chinese Hamsters	90038	279 & 10182	OWN	
84-2	Mutagenicity – Unscheduled DNA	41599801			
84-4	Other Genotoxic Effects	41599801	279 & 10182	OWN	
85-1	General Metabolism	41551102	279	OWN	
85-1	General Metabolism	41551103	279	OWN	
85-1	General Metabolism	41551104	279	OWN	
	Dietary Feasibility Study – Rats	46538902	279	OWN	
	Rationale to Remove the Database Uncertainty Factor	46538901	279	OWN	
	A Dietary Dose-Range Finding Developmental Neurotoxicity Study of Zeta-Cypermethrin Technical in Rats.	46670401	279	OWN	
	A Dietary Developmental Neurotoxicity Study of Zeta-Cypermethrin Technical in Rats.	46670402	279	OWN	
	A Dietary Placental Transfer and Lactation Transfer Study of Zeta-Cypermethrin Technical in Rats	46670403	279	OWN	

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Ingredient Cypermethrin		

uideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300	Nature of the Residue- Cotton	42876301	279	OWN	
860.1300	Nature of the Residue- Corn	43421301	279	OWN	
860.1300	Nature of the Residue- Corn	43775101	279	OWN	
860.1300	Nature of the Residue- Sugar beet	44876205	279	OWN	
860.1300	Nature of the Residue- Poultry	42876302	279	OWN	
860.1340	Residue Analytical Method-Bulb Onions	40072302	279	OWN	
860.1340	Residue Analytical Method-Cow Milk,Tissues	43278003	279	OWN	
860.1340	Residue Analytical Method-Poultry, Eggs	43775103	279	OWN	
860.1340	Independent Method Validation (Cow Fat)	43775105	279	OWN	
860.1340	Independent Method Validation (Cow Milk)	43775106	279	OWN	
860.1340	Independent Method Validation (Cow Muscle)	43775107	279	OWN	
860.1340	Independent Method Validation (Poultry, Egg)	43775108	279	OWN	
860.1340	Radiovalidation (Poultry Muscle, Egg Yolk)	43775104	279	OWN	
860.1380	Storage stability- (Plant/Soil)	71380/ 125658	279	OWN	

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

uideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Storage stability- (Plant/Soil)	42177001	279	OWN	
860.1380	Storage stability- (Cottonseed Processed)	46775903	279	OWN	
860.1380	Storage stability- (Broccoli & Mustard Greens)	43578201	279	OWN	
860.1380	Storage stability- (Lettuce)	43578202	279	OWN	
860.1380	Storage stability- (Cow Milk, Tissues)	43775110	279	OWN	
860.1380	Storage stability- (Poultry Egg, Tissues)	43775109	279	OWN	
860.1480	Meat/Milk/Poultry/Eggs (Poultry)	43278001	279	OWN	
860.1480	Meat/Milk/Poultry/Eggs (Cow)	43278002	279	OWN	
860.1500	Magnitude of Residue (Cotton)	132000	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	67376	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	81575; 90046	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	127892	10182	EXC	
860.1500	Magnitude of Residue (Cotton)	43172001	279	OWN	
860.1500	Magnitude of Residue (Cotton) (Ginned Cottonseed)	248522	279	OWN	
860.1500	Magnitude of Residue (Cotton) (Ginned	90027	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cottonseed)				
860.1500	Magnitude of Residue (Cotton) (Processed Fractions)	132828	10182	EXC	
860.1500	Magnitude of Residue (Cotton) (Processed Fractions)	90028	279	OWN	
860.1500	Magnitude of Residue (Cotton) (Processed Fractions)	46775904	279	OWN	
860.1500	Magnitude of Residue (Pecans)	131670	10182	EXC	
860.1500	Magnitude of Residue (Bulb Onions)	40072301	279	OWN	
860.1500	Magnitude of Residue (Head Lettuce)	71380/ 125658	279	OWN	
860.1500	Magnitude of Residue (Head Lettuce)	43578203	279	OWN	
860.1500	Magnitude of Residue (Cabbage)	72233	279	OWN	
860.1500	Magnitude of Residue (Broccoli)	43009701	279	OWN	
860.1500	Magnitude of Residue (Mustard Greens)	43009702	279	OWN	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
158.290	**Environmental Fate Data**				
161-1	Hydrolysis	42620501	279	OWN	
161-1	Hydrolysis	218522	279	OWN	
161-2	Photodegradation- Water	42141501	279	OWN	
161-2	Photodegradation- Water	42395701	279	OWN	
161-3	Photodegradation- Soil	42129001	279	OWN	
161-3	Photodegradation- Soil	42112901	279	OWN	
162-1	Aerobic Soil Metabolism	42156601	279	OWN	
162-2	Anaerobic Soil Metabolism	42156602	279	OWN	
162-3	Anaerobic Aquatic Metabolism	44876105	279	OWN	
162-4	Aerobic Aquatic Metabolism	44876106	279	OWN	
163-1	Leaching/ Adsorption-Desorption	42129002	279	OWN	
163-1	Leaching/ Adsorption-Desorption	42129003	279	OWN	
164-1	Soil Dissipation	42459601	279	OWN	
164-2	Aquatic Field Dissipation	44876107	279	own	
165-2	Rotational Crops (field)	98000	10182	EXC	

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
165-4	Fish Accumulation	42868203	279	OWN	
158.490	**Toxicology Fish & Wildlife**				
71-1	Avian Oral LD50- Mallard	90070	10182	EXC	
71-2	Avian LC50- Quail	90072	10182	EXC	
71-2	Avian LC50- Mallard	90071	10182	EXC	
71-4	Avian Reproduction	90074	10182	EXC	
71-4	Avian Reproduction	42322901	279	OWN	
71-4	Avian Reproduction	42322902	279	OWN	
72-1(b)	Freshwater Fish LC50- Bluegill Sunfish	65812	10182 & 279	OWN	
72-1(b)	Freshwater Fish LC50- Bluegill Sunfish	88948	10182 & 279	OWN	
72-1(d)	Freshwater Fish LC50- Rainbow Trout	62792	10182 & 279	OWN	
72-1(d)	Freshwater Fish LC50- Rainbow Trout	88947	10182 & 279	OWN	
72-1(d)	Freshwater Fish LC50- Rainbow Trout	41968209	279	OWN	
72-2	Acute LC50 Freshwater Invertebrates-Daphnia	43293501	279	OWN	
72-2	Chironomus & Hyalella	44074401	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date April 1, 2010

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Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-2	Chironomus	44074402	279	OWN	
72-2	Hyallela	44074406	279	OWN	
72-2	Hyalella	444423501	279	OWN	
72-3	Acute LC50 Estuarine-Trout	41968209	279	OWN	
72-3	Acute LC50 Estuarine-Daphnia	41968210	279	OWN	
72-3	Acute LC50 Estuarine-Minnow	41968212	279	OWN	
72-3	Acute LC50 Estuarine-Mysid	42444601	279	OWN	
72-4	Fish Early Life Stage- Mysid	42725301	279	OWN	
72-4	Fish Early Life Stage - Daphnia	New study	279	OWN	
72-6	Aquatic Organism Accumulation	42868203	279	OWN	
72-7(a)	Simulated Field – Aquatic	42148201	279	OWN	

	Name and Title	Date
	Nancy Hilton Product Registrations Manager	April 1, 2010

a

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401 M Street, SW
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DATA MATRIX

Date April 1, 2010	EPA Reg. No./File Symbol 279-3292	Page 10 of 13
Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	

Ingredient Cypermethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
158.160	**Product Chemistry**				
Series 830 Group A	Product Identity, Composition, and Analysis				
830.1550	Product Identity and Composition	00115281, 41887001, 46267801 Xxxxxxxx	279	OWN	
830.1600	Description of Materials Used to Produce the Product	00115281, 41887001, 46267801 Xxxxxxxx	279	OWN	
830.1620	Description of Production Process	00115281, 41887001, 46267801 Xxxxxxxx	279	OWN	
830.1670	Discussion of Formation of Impurities	00115281, 41887001, 46267801 Xxxxxxxx	279	OWN	

	Name and Title Nancy Hilton Product Registrations Manager	Date April 1, 2010

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DATA MATRIX

Date April 1, 2010	EPA Reg. No./File Symbol 279-3292	Page 11 of 13
Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	
Ingredient Cypermethrin		

uideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1700	Preliminary Analysis	00115281, 41887001, 46267801 xxxxxxxx	279	OWN	
830.1750	Certified Limits	00115281, 41887001, 46267801	279	OWN	
830.1800	Enforcement Analytical Method	00115281, 41887001, 46267801, 46791501	279	OWN	
Series 830 Group B	Physical/Chemical Properties		279	OWN	
830.6302	Color	00115281, 41887003	279	OWN	
830.6303	Physical State	00115281, 41887003	279	OWN	
830.6304	Odor	00115281, 41887003	279	OWN	
830.7200	Melting Point	00115281, 41887003	279	OWN	

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DATA MATRIX

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	
Ingredient Cypermethrin		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7220	Boiling Point	00115281, 41887003, 42868201, 42868202	279	OWN	
830.7300	Density, Bulk Density, or Specific Gravity	00115281, 41887003	279	OWN	
830.7840	Water Solubility	00115281, 41887003	279	OWN	
830.7950	Vapor Pressure	00115281, 41887003	279	OWN	
830.7370	Dissociation Constant	00115281, 41887003, 42868201, 42868202, 42650601	279	OWN	
830.7550	Octanol/Water Partition Coefficient	00115281, 41887003	279	OWN	
830.7000	pH	00115281, 41887003	279	OWN	
830.6313	Stability to normal and elevated temperatures, metals and metal ions	41887003, 42868201,	279	OWN	

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Applicant's/Registrant's Name and Address FMC Corporation- 1735 Market Street- Philadelphia, PA 19103 (215) 299-6753	Product Cyper Technical Insecticide	
Ingredient Cypermethrin		

uideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		42868202			
830.6314	Oxidation/reduction	42868202	279	OWN	
830.6315	Flammability	Ref. Barcode DB303220	279	OWN	
830.6316	Explodability		279	OWN	
830.6317	Storage Stability	00115281, 41887003	279	OWN	
830.7100	Viscosity	00115281, 41887003	279	OWN	
830.6319	Miscibility	00115281, 41887003	279	OWN	
830.6320	Corrosion Characteristics	00115281, 41887003	279	OWN	
830.7050	UV/visible absorption	46775906	279	OWN	

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