Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
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DATA MATRIX

Date 4-30-20

EPA Reg No./File Symbol **7969-132**

Applicant's/Registrant's Name & Address
BASF Corporation,
26 Davis Drive, Research Triangle Park, NC 27709-3528

Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
61 - series	830 Series	Dicamba Technical Product Identity and Composition: Lab Project Number: 050594-1	43231801	BASF Corporation	OWN	
62 series	830 Series	Dicamba Tech Analysis and Certification of Product Ingredients: Lab Proj Number: 050594-2.	43231802	BASF Corporation	OWN	
61-2; 62-3	830 Series	Analysis for 2,3,7,8-TCCD or its Precursors in Samples from the Dicamba Process	40874902	BASF Corporation	OWN	
61-2; 62-3	830 Series	Analysis of Dichlorodibenzenzo-p-dioxin in Technical Dicamba, Banvel Herbicide	40874903	BASF Corporation	OWN	
61-2	830 Series	Theoretical Discussion of Development of HDD/HDF Impurities in Dicamba Manufacture	40874901	BASF Corporation	OWN	
62-series	830 Series	Analysis of Chlorinated Cogeners of 2,3,7,8-TCDD/TCDF in Technical Dicamba	41824001	BASF Corporation	OWN	
	830.1700	Preliminary Analysis	47373601	BASF Corporation	OWN	
			49506601	BASF Corporation	OWN	
63-2	830.6302	Color of Banvel Herbicide, Anhydrous, Technical	43643806	BASF Corporation	OWN	

Signature	Name and Title	Date
	Jeffrey H. Birk Regulatory Manager	4-30-20

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Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
63-3	830.6303	Physical State of Banvel Herbicide, Anhydrous, Technical	43643807	BASF Corporation	OWN	
63-4	830.6304	Determination of Odor of Anhydrous Dimethylamine salt of Dicamba	43758503	BASF Corporation	OWN	
63-5	830.7200	Melting Point of Banvel Herbicide, Anhydrous, Technical	43643808	BASF Corporation	OWN	
63-7	830.7300	Tap Density of Banvel Herbicide, Anhydrous Technical	43643809	BASF Corporation	OWN	
63-10	830.7370	Dissociation Constant of Dicamba: Final Report	43140308	BASF Corporation	OWN	
63-10	830.7370	Dissociation Rate of Dicamba Salts	43288001	BASF Corporation	OWN	
63-11	830.7570	Determination of n-Octanol/Water Partition Coefficient for 3,6-Dichlorosalicyclic Acid (DCSA)	41966601	BASF Corporation	OWN	
63-12	830.7000	pH of Banvel Herbicide, Anhydrous, Technical	43643810	BASF Corporation	OWN	
63-13		Stability of Dicamba Tech	43231803	BASF Corporation	OWN	

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26 Davis Drive, Research Triangle Park, NC 27709-3528

Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
71-1	850.2100	Amendment to Report Acute Oral LD50-Mallard Duck Banvel Technical:Final Report	00159794	BASF Corporation	OWN	
71-1	850.2100	(dicamba)-3 Lb./Gal. Isopropylamine Salt of Dicamba: An Acute oral Tox Study w/ Bobwhite	00164105	BASF Corporation	OWN	
71-1	850.2100	Technical Dicamba: An Acute Oral Toxicity Study with the Mallard	42774106	BASF Corporation	OWN	
71-1	850.2100	Technical Dicamba: An Acute Oral Toxicity with the Northern Bobwhite: Report Amendment	42774105	BASF Corporation	OWN	
			42918001			
71-1	850.2100	Technical Dicamba Acute Oral Toxicity Study with passerine species (zebra finch)	48718013	BASF Corporation	OWN	
71-2	850.2200	Eight-Day Dietary LC50 Bobwhite	0034693	BASF Corporation	OWN	
71-2	850.2200	Eight Day Dietary LC50 – Mallard – Banvel	0022527	BASF Corporation	OWN	
71-2	850.2200	Eight Day Dietary LC50 – Mallard –	0025317	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 4 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
71-2	850.2200	Eight-Day Dietary LC50 Bobwhite	0025318	BASF Corporation	OWN	
71-2	850.2200	Eight Day Dietary LC50 – Mallard – (Banvel Sodium Salt)	00025327	BASF Corporation	OWN	
			00030102			
71-2	850.2200	Eight-Day Dietary LC50 Bobwhite – (Banvel Sodium Salt)	00025328	BASF Corporation	OWN	
			00030102			
71-2	850.2200	Eight-Day Dietary LC50 Mallard Ducks, Banvel	00037628	BASF Corporation	OWN	
71-2	850.2200	Diglycolamine Salt of Dicamba: A Dietary LC 50 Study – Mallard	00162072	BASF Corporation	OWN	
71-2	850.2200	Eight-Day Dietary LC50 Bobwhite Quail, Banvel Technical	00025391	BASF Corporation	OWN	
71-2	850.2200	Diglycolamine Salt of Dicamba: A Dietary LC 50 Study – Bobwhite	00162071	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 5 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
71-2	850.2200	BAPMA Salt of Dicamba: A Dietary LC 50 Study – Bobwhite	48718006	BASF Corporation	OWN	
71-4	850.2300	Technical Dicamba: A Reproduction Study with the Northern Bobwhite	43814004	BASF Corporation	OWN	
71-4	850.2300	Technical Dicamba: A Reproduction Study with the Mallard	43814003	BASF Corporation	OWN	
72-1	850.1075	The Acute Toxicity of Five Velsicol Pesticides to the Bluegill	22530	BASF Corporation	OWN	
72-1	850.1075	The Acute Toxicity of Banvel XP to the Rainbow Trout	36915	BASF Corporation	OWN	
72-1	850.1075	The Acute Toxicity of Banvel 2S to the Rainbow Trout	29623	BASF Corporation	OWN	
72-1	850.1075	The Acute Toxicity of Banvel 2S to the Bluegill	225393	BASF Corporation	OWN	
72-1	850.1075	The Acute Toxicity of Banvel Technical to the Rainbow Trout	00041272	BASF Corporation	OWN	
72-1	850.1075	The Acute Toxicity of Banvel Technical to the Bluegill Sunfish	00034703	BASF Corporation	OWN	

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Applicant's/Registrant's Name & Address
BASF Corporation,
26 Davis Drive, Research Triangle Park, NC 27709-3528

Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
72-1	850.1075	Acute Toxicity of CST/Stumpbuster to Bluegill Sunfish	46183	BASF Corporation	OWN	
72-1	850.1075	Acute Toxicity of CST/Stumpbuster to Rainbow Trout	46184	BASF Corporation	OWN	
72-1	850.1075	Acute Toxicity of CN-10-6471 (Banvel Herbicide) to Bluegill Sunfish	00153150	BASF Corporation	OWN	
72-1	850.1075	Acute Toxicity of CN-10-6471 (Banvel Herbicide) to Rainbow Trout	00153151	BASF Corporation	OWN	
72-1	850.1075	Acute Toxicity of CN-11-4962 (Diglycoamine salt) to Bluegill Sunfish	00162067	BASF Corporation	OWN	
72-1	850.1075	Acute Toxicity of CN-11-4962 (Diglycoamine salt) to Rainbow Trout	00162068	BASF Corporation	OWN	
72-1	850.1075	Acute Toxicity of Banvel Herbicide to Rainbow Trout	00100611	BASF Corporation	OWN	
72-2	850.1010	Acute Toxicity of Banvel 2S to the Water Flea, Daphnia magna	85935	BASF Corporation	OWN	
72-2	850.1010	Acute Toxicity of Banvel Herbicide to Daphnia Magna	00073276	BASF Corporation	OWN	

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Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
72-2	850.1010	Acute Toxicity of CN-10-6471 (Banvel Herbicide) to Daphnia magna	00153152	BASF Corporation	OWN	
72-2	850.1010	Acute Toxicity of CN-11-4962 (Diglycoamine salt) to Daphnia magna	00162069	BASF Corporation	OWN	
72-3	850.1035	Acute Toxicity of Banvel Technical to the Grass Shrimp	00034702	BASF Corporation	OWN	
72-3	850.1035	Acute Toxicity of Banvel Technical to the Fiddler Crab	00034704	BASF Corporation	OWN	
72-3a	850.1075	Acute Toxicity BAPMA salt of dicamba to Sheepshead Minnow	48718008	BASF Corporation	OWN	
72-3a	850.1075	Acute Toxicity of Banvel technical to the Sheepshead Minnow	00025390	BASF Corporation	OWN	
72-4	850.1300	Chronic Toxicity of BAPMA salt of dicamba to Daphnia Magna	48718007	BASF Corporation	OWN	
72-4	850.1350	Chronic estuarine/marine invertebrate (mysid) with dicamba technical	48718012	BASF Corporation	OWN	
72-4	850.1400	Chronic freshwater fish ELS with dicamba acid	48718010	BASF Corporation	OWN	

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Date 4-30-20 | **EPA Reg No./File Symbol** 7969-132 | **Page** 8 **of** 32

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BASF Corporation,
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Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
72-5	850.1500	Chronic estuarine/marine fish ELS with dicamba acid	48718011	BASF Corporation	OWN	
	850 supplemental	Dicamba herbicide synergy patent search	50503401	BASF Corporation	OWN	
81-1	870.1100	Acute oral toxicity / rat	00023692	BASF Corporation	OWN	
			00078444			
81-2 81-4 81-5	870.1200 870.2400 870.2500	Cute Toxicity Studies in Rats and Rabbits, Banvel Technical	25372	BASF Corporation	OWN	
81-3	870.1300	The acute Toxicity of Inhaled Banvel 480 (Banvel Herbicide)in the Albino Rat	00143011	BASF Corporation	OWN	
81-3	870.1300	Four-Hour Acute Aerosol Inhalation Toxicity Study in Rat of CN-11-4962	00162065	BASF Corporation	OWN	
81-3	870.1300	4-hour Acute Inhalation Toxicity in Rats	47504703	BASF Corporation	OWN	
81-4	870.2400	Primary Eye Irritation Study in Albino Rabbits with Technical Dicamba Lot 52625110	00144232	BASF Corporation	OWN	

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Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
81-6	870.2600	Skin Sensitization CN-11-4962 (Diglycoamine salt)	00162064	BASF Corporation	OWN	
81-6	870.2600	Contact hypersensitivity to Dicamba Tech	47504702	BASF Corporation	OWN	
81-8	870.6200	Acute Neurotoxicity Study of Technical Dicamba by Gavage in Rats	42774104	BASF Corporation	OWN	
82-1	870.3100	13-Week Dietary Toxicity Study in Rats with Dicamba	00128093	BASF Corporation	OWN	
82-1	870.3100	13-Week Feeding study in rats (including 4-week recovery)	44623101	BASF Corporation	OWN	
82-2	870.3200	21-Day Dermal Toxicity Study in Rabbits with Banvel Herbicide	40547901	BASF Corporation	OWN	
82-2	870.3200	28-Day Dermal Toxicity - Rats with Dicamba Tech	45814501	BASF Corporation	OWN	
82-4	870.3465	28-Day Inhalation Toxicity -- Rat with Dicamba Tech	pending	BASF Corporation	OWN	
82-7	870.6200	Subchronic Neurotoxicity Study of Dietary Technical Dicamba in Rats: Final Report	43245210	BASF Corporation	OWN	

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Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
83-1	870.4100	Technical Reference Standard Dicamba. One-Year Dietary Toxicity Study in Dogs	40321102	BASF Corporation	OWN	
83-2	870-4200	Lifetime Dietary Toxicity and Oncogenicity Study in Rats (24 months)	00146150	BASF Corporation	OWN	
83-2	870.4200	Dicamba: Potential Tumorigenic Effects in Prolonged Dietary Administration to Mice	40872401	BASF Corporation	OWN	
83-3	870.3700	Teratology Study in Albino Rats with Technical Dicamba	00084024	BASF Corporation	OWN	
83-3	870.3700	Developmental Toxicity Study of Tech Dicamba Administered Orally via Capsule to New Zealand	42429401	BASF Corporation	OWN	
83-4	870.3800	A Study of the Reproductive Function of Two-Generations in the Rat	43137101	BASF Corporation	OWN	
84-2	870 Series	Salmonella Plate Incorporation Mutagenicity Assay Ames Test with a Confirmatory Assay:	43310301	BASF Corporation	OWN	
84-2	870 Series	Micronucleus Cytogenetic Assay in Mice	43354332	BASF Corporation	OWN	
84-2	870 Series	Dicamba: Toxicology Summary and Risk Assessment with Expanded Discussion	44609802	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 11 **of** 32
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Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2	870.5300	Chromosome Aberrations in Chinese Hamster Ovary (CHO) Cells	40321101	BASF Corporation	OWN	
84-2	870 Series	L5178Y/TK+/-Mouse Lymphoma Mutagenesis Assay with a Confirmatory Assay	43310304	BASF Corporation	OWN	
84-2	870.5100	Ames Assay	48718001	BASF Corporation	OWN	
84-2	870.5300	Chromosome Aberrations in Chinese Hamster Ovary (CHO) Cells	48718002	BASF Corporation	OWN	
84-2	870.5375	Mammalian cell chromosome aberration	48718003	BASF Corporation	OWN	
84-2	870.5395	In-vivo mouse micronucleus	48718004	BASF Corporation	OWN	
84-2	870 Series	Dicamba - Crl: CD(SD) Rat In Vivo Comet Test	51129101	BASF Corporation	OWN	
84-2	870 Series	Dicamba – Crl: CD(SD) Rat Histopathological Follow-up Study	51129101	BASF Corporation	OWN	
84-2	870 Series	Dicamba techn. (BAS 183 H; SAN837 techn.): Follow up study to determine potential ex-vivo effects during comet tissue processing	51129101	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 12 **of** 32
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Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2	870 Series	[14C]Dicamba: Duodenum Kinetics in Rats	51129101	BASF Corporation	OWN	
84-2	870 Series	Dicamba techn. (BAS 183 H; SAN837 techn.): Transgenic Mice (Muta™Mouse) Gene Mutation Assay	51129101	BASF Corporation	OWN	
84-2	870 Series	Dicamba techn. (BAS 183 H; SAN837 techn.): Dose Range-finding Study for Transgenic Mouse Gene Mutation Assay [Non-GLP Study]	51129101	BASF Corporation	OWN	
84-2	870 Series	Validation of an Analytical method for the Analysis of BAS 183 H (Dicamba techn.) in Powdered diet, CRF-1 (Oriental Yeast) using HPLC-UV (Control procedure 97/0267_03)	51129101	BASF Corporation	OWN	
84-2	870 Series	BAS 183 H (Dicamba Techn.) Homogeneity and concentration control Analysis in powdered diet CRF-1 (oriental yeast)	51129101	BASF Corporation	OWN	
84-2	870 Series	BAS 183 H (Dicamba techn.) - Stability Analysis in Powdered diet, CRF-1 (Oriental Yeast)	51129101	BASF Corporation	OWN	
85-1	870.7485	The Distribution and Excretion of Banvel D As Determined by Radiotracer Technique -Rats.	28261	BASF Corporation	OWN	
85-1	870.7485	Dicamba: Physiological Dissociation of Amine Salts in Rats	43288002	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 13 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
85-1	870.7485	Report: (carbon14)-Dicamba Study of the Plasma Kinetics in Rats	44609801	BASF Corporation	OWN	
122-1; 123-1	850.4250	Dicamba Technical Determination of Effects on Seed Germination, Seedling Emergence ...	42846301	BASF Corporation	OWN	
123-1	850.4225	BAPMA salt of dicamba, Tier II seedling emergence	48718014	BASF Corporation	OWN	
123-1	850.4250	BAPMA salt of dicamba, Tier II vegetative vigor	48718015	BASF Corporation	OWN	
122-2; 123-2	850.4400	Dicamba Technical: Toxicity to the Freshwater Green Algae, Selenastrum Capricornutum	42774107	BASF Corporation	OWN	
122-2; 123-2	850.4400	Dicamba Technical: Toxicity to the Freshwater Diatom, Navicula Pelliculosa	42774108	BASF Corporation	OWN	
122-2; 123-2	850.5400	Dicamba Technical: Toxicity to the Freshwater Alga, Anabaena flos-aquae:	42774109	BASF Corporation	OWN	
122-2; 123-2	850.5400	Dicamba Technical: Toxicity to the Marine Diatom, Skeletenoma costatum: Final Report	42774110	BASF Corporation	OWN	
122-2; 123-2	850.4400	BAPMA salt of dicamba toxicity to the Freshwater Green Algae, Selenastrum Capricornutum	48718009	BASF Corporation	OWN	

Signature	Name and Title	Date
	Jeffrey H. Birk Regulatory Manager	4-30-20

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 14 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
122-2; 123-2	850.4400	Dicamba Technical: Toxicity to the Duckweed, Lemna Gibba: Final Report	42774111	BASF Corporation	OWN	
161-1	835.2120	Hydrolysis of [Carbon 14] -Dicamba	40335501	BASF Corporation	OWN	
161-2	835.2240	Dicamba: Photodegradation Study in pH 7 Aqueous Solution: Final Report	42774102	BASF Corporation	OWN	
161-3	835.2410	Dicamba: Photodegradation Study on Soil	42774103	BASF Corporation	OWN	
162-1	835.4100	Aerobic Soil Metabolism of Dicamba Acid: Laboratory Final Report	43245207	BASF Corporation	OWN	
162.1	835 supplemental	Rate of Degradation of 14C-phenyl Labelled SAN 837 H (Dicamba) in Various Soils under Laboratory Conditions at 20°C	49067702	BASF Corporation	OWN	
	835 supplemental					
162-1	835.4100	Aerobic Soil Metabolism of Dimethylamine, Diglycolamine, and Isopropylamine: Final Report	43866602	BASF Corporation	OWN	
162-3	835.4400	Anaerobic Aquatic Metabolism of (Carbon 14)-Dicamba	43245208	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 15 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
162-3	835.4400	Anaerobic Aquatic Metabolism of Carbon-14)-Dimethylamine HCL, (Carbon-14)-Isopropylamine HCL, and (Carbon-14)-Diglycolamine HCL	44216701	BASF Corporation	OWN	
162-4	835.4300	Results of an Aerobic Aquatic Metabolism of Dicamba Acid Study Conducted in Switzerland	43245209	BASF Corporation	OWN	
162-4	835.4300	Aerobic Aquatic Metabolism of 14C Dicamba	43758509	BASF Corporation	OWN	
163-1	835.1240	Soil Thin-Layer Chromatography of Dicamba and 3,6-Dichlorosalicylic Acid on Five…	40547907	BASF Corporation	OWN	
163-1	835.1240	Soil Adsorption and Desorption of Dicamba, Unaged, by the Batch Equilibrium Method	42774101	BASF Corporation	OWN	
163-1	835.1240	Soil Adsorption and Desorption of the Major Soil Metabolite of Dicamba, 3,6-Dichlorosalicylic Acid:	43095301	BASF Corporation	OWN	
163-2	835.1410	Addendum to Report No. 480060-6 on Volatility of Three Dicamba Formulations	41966602	BASF Corporation	OWN	
163-2	835.1410	Evaporation behavior of the test substances Dicamba from soil and plants (model Chamber)	49067701	BASF Corporation	OWN	

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EPA Reg No./File Symbol **7969-132**

Applicant's/Registrant's Name & Address
BASF Corporation,
26 Davis Drive, Research Triangle Park, NC 27709-3528

Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
163-2	835.1410	Evaporation behavior from soil and plants (large scale model chamber) Frontier Herbicide, dimethenamid	49067703	BASF Corporation	OWN	
164-1	835.1240	Terrestrial Dissipation of Dicamba in Turf Soil in California FEP 130/90/1, Trial ID 1300160A	42754101	BASF Corporation	OWN	
164-1	835.1240	Terrestrial Dissipation of Dicamba in Turf Soil in Indiana FEP 130/90/1, Trial ID 1300115A: Laboratory Final Report	42754102	BASF Corporation	OWN	
164-1	835 Series	Summation of Dicamba Dissipation and Leaching Results from Studies Conducted in Germany	42754103	BASF Corporation	OWN	
164-1	835 Series	Terrestrial Dissip[ation Study with Dicamba Formulation in Louisiana	43651405	BASF Corporation	OWN	
164-1	835 Series	Terrestrial Dissip[ation Study with Dicamba Formulation in Nebraska	43651406	BASF Corporation	OWN	
164-1	835 Series	Terrestrial Dissip[ation Study with Dicamba Formulation in Indiana	43651407	BASF Corporation	OWN	
164-1	835 Series	Terrestrial Dissipation Study with Dicamba Formulation in North Carolina	43651408	BASF Corporation	OWN	
164-1	835 Series	Terrestrial Dissipation Study with Dicamba BAPMA salt Formulation	48718005	BASF Corporation	OWN	

Signature

Name and Title
Jeffrey H. Birk
Regulatory Manager

Date
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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 17 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
165-1	860.1850	Confined Accumulation Studies of Dicamba on Rotational Crops: Final Report	43698601	BASF Corporation	OWN	
165	Supplemental	Dicamba Behavior Based on Various Guideline Environmental Fate Studies	49067706	BASF Corporation	OWN	
201-1	840.1100	Spray Droplet Spectrum	49067704	BASF Corporation	OWN	
202-1	840.1200	Spray Drift Field Deposition	49067704	BASF Corporation	OWN	
171-4a	860.1300	Uptake, Translocation and Metabolism of Dicamba Herbicide in Cotton…	00147898	BASF Corporation	OWN	
171-4a; 171-4k	860.1300; 860.1500	The Results of Tests on the Amount of Residue Remaining, Including a Description of the …	00161859	BASF Corporation	OWN	
171-4a	860.1300	Metabolic Fate of Dicamba in Sugarcane Plants	00079747	BASF Corporation	OWN	
171-4a	860.1300	Banvel Herbicide Residue from Preharvest Application	00145248	BASF Corporation	OWN	
171-4a	860.1300	Foliar Absorption, Metabolism and Translocation of Dicamba by Soybeans	00102945	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20 | **EPA Reg No./File Symbol** 7969-132 | **Page** 18 **of** 32

Applicant's/Registrant's Name & Address
BASF Corporation,
26 Davis Drive, Research Triangle Park, NC 27709-3528

Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4a	860.1300	Metabolism of Dicamba in wheat and bluegrass	00036921	BASF Corporation	OWN	
171-4b	860.1300	Metabolic Fate of the Herbicide Dicamba in a Lactating Cow	00077779	BASF Corporation	OWN	
171-4b	860.1300	Metabolism of Dicamba in Lactating Goats: Laboratory Final Report	43245201	BASF Corporation	OWN	
171-4b	860.1300	Dicamba: Metabolism in Laying Hens: Laboratory Final Report	43245202	BASF Corporation	OWN	
171-4c	860.1340	Determination of Dicamba and 3,6 DCSA in Liver, Kidney, Skeletal Muscle, Tissue, and Milk	00066384	BASF Corporation	OWN	
			00079744			
171-4c	860.1340	Confirmatory Method Trial of the Residue Method, AM-0691B-0593-2…	42883201	BASF Corporation	OWN	
171-4c	860.1340	Determination of Dicamba 5-Hydroxy Dicamba Residues in Barley, Corn, Cotton…	43814002	BASF Corporation	OWN	
171-4c	860.1340	Confirmatory Method Trial for the Residue Method, AM-0941-1094-0 "Determination	43814104	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 19 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4c	860.1340	Determination of Dicamba and 5-Hydroxy Dicamba Residues in Barley, Corn, Cotton,	44394102	BASF Corporation	OWN	
171-4c	860.1340	Independent method validation Method D0902	49379301	BASF Corporation	OWN	
171-4	860.1300	Confirmatory Method Trial of the Residue Method, AM-0938-0994-0, "Determination of	43461701	BASF Corporation	OWN	
171-4b	860.1300	Confirmation of Dicamba and 3,6-Dichlorosalicylic Acid Residues Detected in Goat	43554205	BASF Corporation	OWN	
171-4e	860.1380	Dicamba Residue Stability in Stored Frozen Sample	40547911	BASF Corporation	OWN	
171-4e	860.1380	Stability of Dicamba and Dichlorosalicylic Acid in Stored Frozen Soil Samples	42883202	BASF Corporation	OWN	
171-4e	860.1380	Stability of Dicamba and 5-Hydroxy Dicamba in Stored Frozen Field Corn	43866601	BASF Corporation	OWN	
171-4e	860.1380	Freezer Storage Stability of Dicamba and its Metabolites (5-OH-dicamba and DCSA) in Plant Matrices	49836501	BASF Corporation	OWN	
171-4j	860.1480	Effect of Feeding Dicamba to Dairy Cattle (Residues in Liver, Kidney, Muscle, and Fat)	00066383	BASF Corporation	OWN	

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Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 20 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
			00079742			
171-4j	860.1480	Dicamba: Residues in Cows & Other Subjects Compilation	00109535	BASF Corporation	OWN	
171-4j	860.1480	Dicamba Residues in Milk: Statistical Analysis	00116671	BASF Corporation	OWN	
171-4j	860.1480	Transfer of Dicamba Residues to Tissues and Eggs of Laying Hens	00146369	BASF Corporation	OWN	
171-4j	860.1480	Determination of Dicamba Residue in Laying Hen Tissues and Eggs after a 28 Day Feeding Study	00148127	BASF Corporation	OWN	
171-4k	860.1500	Residue Project 69-6, Banvel, 2,4,5-T, 2,4-D – Grass	28173	BASF Corporation	OWN	
171-4k	860.1500	Residue Project 75-8-D, Banvel Wheat	00055662	BASF Corporation	OWN	
171-4k	860.1500	Residue Project 74-1-D, Banvel – Bladex-Corn	00015642	BASF Corporation	OWN	
171-4k	860.1500	Residue Project 74-1-D, Banvel Corn	00015636	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 21 **of** 32
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Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4k	860.1500	Residue Project 75-1-D, Banvel Corn Harvest Aid	00015637	BASF Corporation	OWN	
			00030697			
171-4k	860.1500	Residue Project 75-1-D, Banvel Corn (No-Till)	00015641	BASF Corporation	OWN	
171-4k	860.1500	Residue Project 75-1-D, Banvel 2S Corn	00025383	BASF Corporation	OWN	
171-4k	860.1500	Residue Project 77-1-D Banvel – 2,4-D Corn	00015640	BASF Corporation	OWN	
171-4k	860.1500	Residues in Corn from Use of Various Dicamba Salt Formulations	00088172	BASF Corporation	OWN	
171-4k	860.1500	Banvel Herbicide (the Potassium Formulation): Supporting Residue Data	00132868	BASF Corporation	OWN	
171-4k	860.1500	Study--Dicamba Residue in Corn	00133567	BASF Corporation	OWN	
171-4k	860.1500	The Results of Tests on the Amount of Residue Remaining, Including a Description of the…	00138635	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 22 **of** 32
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Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4k	860.1500	Banvel Herbicide Residues in Vegetables, Peanuts and Alfalfa	00149626	BASF Corporation	OWN	
171-4k	860.1500	Amended Labeling Submission Addition of Grain Sorghum (MILO): Residue Data	00156874	BASF Corporation	OWN	
171-4k	860.1500	DMA Salt of Dicamba / IPA Salt of Glyphosate Tank Mixes:Analysis of Wheat and Barley Grain	00164097	BASF Corporation	OWN	
171-4k	860.1500	(Dicamba) - IPA Salt of Dicamba/ IPA Salt of Glyphosate Tank Mixes: Analysis of Barley, Oats,	00164098	BASF Corporation	OWN	
171-4a	860.1300	Uptake, Translocation and Metabolism of Dicamba Herbicide in Cotton after Fallow	40642801	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Grain Sorghum: Laboratory Final Report	43245203	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Asparagus: Laboratory Final Report	43245206	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Wheat (Forage & Hay): Final Report	43274501	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Grass Forage and Hay	43370701	BASF Corporation	OWN	

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Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Asparagus: Final Report	43425803	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba on Cotton: Final Report	43814001	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Soybeans: Final Report: (alternate to Craven)	43814101	BASF Corporation	OWN	
171-4	860.1340	Determination of Dicamba Dichlorosalicyclic Acid and 5-Hydroxy Dicamba Residues (alt to Craven)	43814103	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Sugar Cane: Final Report: (alt to Craven)	44089302	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Field Corn: Final Report: (alt to Craven data)	44089303	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Barley: Final Report: (alt Craven data)	44089304	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulations on Wheat: Final Report: (alt to Craven data)	44089305	BASF Corporation	OWN	
171-4k	860.1500	Crop Residue Study with Dicamba Formulation on Sorghum: Final Report: (alt to Craven data)	44089306	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 24 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4k	860.1500	Crop Residue and Residue Decline Study with Dicamba Formulation on Soybean (alt to Craven)	44089307	BASF Corporation	OWN	
171-4k	860.1500	Postemergence Banvel Formulations: Sorghum Residue Study	40547909	BASF Corporation	OWN	
171-4l	860.1520	Dicamba Residue Levels in Sorghum Grain & Processing Fractions	40547910	BASF Corporation	OWN	
171-4l	860.1520	Dicamba Residues in Corn Processing Fractions from a Pre-Harvest Application…	41187301	BASF Corporation	OWN	
171-4l	860.1520	Dicamba Residues in Wheat Processing Fractions from a Pre-Harvest App of Banvel	42675901	BASF Corporation	OWN	
171-4l	860.1520	Dicamba Residue Study on Sugar Cane and Sugar Cane Processed Fractions	43245204	BASF Corporation	OWN	
171-4l	860.1520	Dicamba Residue Study on Sorghum Grain and Sorghum Processed Fractions	43245205	BASF Corporation	OWN	
171-4l	860.1520	Dicamba Residue Study on Soybean Grain and Soybean Processed Fractions: (alt to Craven)	43814102	BASF Corporation	OWN	
171-4a	860.1300	The Results of Tests on the Amount of Banvel Residue Remaining, Incl Desc of An Meth Used	00118473	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 25 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4j	860.1480	A Meat and Milk Magnitude of the Residue Study with Dicamba in Lactating Dairy Cows	44891303	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Wheat Forage and Hay	44891302	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Grass forage and hay	49379302	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Wheat Forage and Hay	49379303	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Corn	49379304	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Soybean	49379305	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Berries Group 13	49634101	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Grape	49634102	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Grape Process Fraction	49634103	BASF Corporation	OWN	

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Applicant's/Registrant's Name & Address
BASF Corporation,
26 Davis Drive, Research Triangle Park, NC 27709-3528

Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4k	860.1500	The Magnitude of Dicamba Residues in Vegetable, Cucurbit, Group 9	49634104	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Vegetable, Fruiting, Group 8	49634105	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Tomato Process Fraction	49634112	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Vegetable, Legume, Group 6	49634109	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Vegetable, Brassica, head and stem, Subgroup 5A	49634110	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Vegetable, Root and Tuber, subgroups 1A, 1B,1C Process Fraction	49634107	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Vegetable, Root and Tuber, subgroups 1A, 1B,1C Process Fraction	49634113	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Nut, tree, Group 14	49634111	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 27 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4k	860.1500	The Magnitude of Dicamba Residues in Peanut	49634108	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Vegetable, Leafy, except Brassica, Group 4	49634106	BASF Corporation	OWN	
171-4c	860.1340	Analysis of Barley, corn, Sorghum, Sugarcane, and Wheat for Dicamba and 5 Hydroxy	00162206	BASF Corporation	OWN	
171-4c	860.1340	Validation of Sandoz Analytical Method No. AM-0691B-0297-4 "Determination of Dicamba	44891301	BASF Corporation	OWN	
84-2	870.5100	In Vitro Microbiological Mutagenicity and Unscheduled DNA Sythesis Studies	00143001	BASF Corporation	OWN	
84-2	870.5100	Micronucleus Cytogenetic Assay in Mice	43354334	BASF Corporation	OWN	
71-1	850.2100	Acute Oral LD50--Mallard Duck: Banvel Herbicide	0073275	BASF Corporation	OWN	
			00028282			
71-1	850.2100	Acute Oral LD50--Mallard Duck: Banvel Technical: Final Report	00025392	BASF Corporation	OWN	

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DATA MATRIX

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Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
			00159794			
72-2	850.1010	Acute Toxicity of Banvel Technical to Water Flea Daphnia magna	00052126	BASF Corporation	OWN	
61 series	830 Series	Sodium Dicambate Technical Product Identity and Composition	43320601	BASF Corporation	OWN	
62 series	830 Series	Sodium Dicambate Technical Analysis and Certification of Product Ingredients	43320602	BASF Corporation	OWN	
84-2	870 Series	Salmonella Plate Incorporation Mutagenicity Assay (Ames Test) with a Confirmatory Assay:	43310303	BASF Corporation	OWN	
84-2	870 Series	L5178Y/TK+/- Mouse Lymphoma Mutagenesis Assay with a Confirmatory Assay	43310306	BASF Corporation	OWN	
81-4	870.2400	Primary Eye Irritation Study in Albino Rabbits with Sodium Dicambate Technical	43599101	BASF Corporation	OWN	
63-12	830.7000	pH of Dicamba Sodium Salt, Technical: Laboratory Final Report	43320608	BASF Corporation	OWN	
Series 63	830.7050	Spectroscopic Data of Dicamba	47504709	BASF Corporation	OWN	

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BASF Corporation,
26 Davis Drive, Research Triangle Park, NC 27709-3528

Product:
Dicamba Technical Herbicide

Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
171-4j	860.1480	A Meat and Milk Magnitude of the Residue Study with Dicamba in Lactating Dairy Cows	44891303	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Wheat Forage and Hay	44891302	BASF Corporation	OWN	
171-4k	860.1500	Analysis of Wheat and Wheat Processed Fractions for Dicamba and 5-Hydroxy Dicamba	40663801	BASF Corporation	OWN	
165-1	860.1850	Confined Accumulation Studies of Dicamba on Rotational Crops After Spring Application	41972001	BASF Corporation	OWN	
63-3	830.6303	Physical State of Dicamba, Technical	43140302	BASF Corporation	OWN	
63-2	830.6302	Color of Dicamba, Technical	43140301	BASF Corporation	OWN	
63-7	830.7300	Density of Dicamba, Technical	43140305	BASF Corporation	OWN	
63-5	830.7200	Melting Point of Dicamba, Technical	43140304	BASF Corporation	OWN	
63-12	830.7000	pH of Dicamba, Technical	43140310	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 30 **of** 32
Applicant's/Registrant's Name & Address BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	**Product:** Dicamba Technical Herbicide	
Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
63-8	830.7840	Solubility of Technical Dicamba in Solvents	43140306	BASF Corporation	OWN	
63-4	830.6304	Determination of Odor for Dicamba, Technical	43140303	BASF Corporation	OWN	
63-14	830.6314	Oxidizing or Reducing Action of Dicamba, Tech	43140311	BASF Corporation	OWN	
63-16	830.6316	Explodability of Dicamba, Technical	43140312	BASF Corporation	OWN	
830.7950	63-9	Vapor Pressure of Dicamba Using the Thermal Evolution Analyzer	43140307	BASF Corporation	OWN	
63-20	830.6320	Corrosivity of Dicamba, Technical	43140314	BASF Corporation	OWN	
63-17	830.6317	Stability of Technical Dicamba	43231803	BASF Corporation	OWN	
Series 61 /62	830.1550	Dicamba Technical Product Identity and Composition	43231801	BASF Corporation	OWN	
Series 61 /62	830.1750	Dicamba Technical Analysis and Certification of Product Ingredients	43231802	BASF Corporation	OWN	

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DATA MATRIX

Date 4-30-20	**EPA Reg No./File Symbol** 7969-132	**Page** 31 **of** 32
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Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
63-2	830.6302	Color of Dicamba Sodium Salt, Technical	43320603	BASF Corporation	OWN	
63-3	830.6303	Physical State of Dicamba Sodium Salt,	43320604	BASF Corporation	OWN	
63-7	830.7300	The Density of Dicamba Sodium Salt, Technical	43320607	BASF Corporation	OWN	
63-5	830.7200	Melting Point of Dicamba Sodium Salt, Technical	43320606	BASF Corporation	OWN	
63-4	830.6304	Determination of the Odor of Sodium Dicambate Technical	43320605	BASF Corporation	OWN	
164-1	835 Series	Terrestrial Dissipation Study with Dicamba Formulations in Louisiana	43361506	BASF Corporation	OWN	
164-1	835 Series	Terrestrial Dissipation Study with Dicamba Formulations in North Carolina	43361507	BASF Corporation	OWN	
63-20	830.6320	Determination of Corrosion Characteristics of Banvel Herbicide	43554201	BASF Corporation	OWN	
63-17	830.6317	Storage Stability of Banvel Herbicide	43758507	BASF Corporation	OWN	

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Ingredient Dicamba acid (3,6-dichloro-o-arsinic acid) CAS Registry Number 1918-00-9		

Guideline	OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
63-17	830.6317	Storage Stability of Dicamba Acid	43758506	BASF Corporation	OWN	
171-4k	860.1500	The Magnitude of Dicamba Residues in Cotton Gin Byproducts	45196801	BASF Corporation	OWN	
None	None	Dicamba: Review of Recent Pharmacokinetic Studies and Discussion of Dose Level Selection	46022301	BASF Corporation	OWN	
None	None	^{14}C-Dicamba- Study on Plasmakinetics in Rats and Repeated Oral Administration	46022302	BASF Corporation	OWN	
None	None	^{14}C-Dicamba- Study on Effect of Probenecid on the Plasmakinetics in Rats	46022303	BASF Corporation	OWN	
None	Special	Determination of Transferable Turf Residues with Dicamba	44959001	BASF Corporation	OWN	
None	Supplemental	Dicamba Delayed Injury Response in Sensitive Plants	49067705	BASF Corporation	OWN	

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