

# APPENDIX B

## Data Supporting Guideline Requirements for the Reregistration of Diazinon

REQUIREMENT			USE PATTERN	CITATION(S)
<b><u>PRODUCT CHEMISTRY</u></b>				
New Guideline Number	Old Guideline Number			
830.7050	None	UV/Visible Absorption	All	<b>Data Gap</b>
830.6313	63-13	Stability	All	<b>Data Gap</b>
<b><u>ECOLOGICAL EFFECTS</u></b>				
850.2100	71-1(a) 71-1(b)	Avian Acute Oral Toxicity	ABCJO	00103959, 0020560, 0160000, 00109015, 40895303, 40895309, 40895305, 40895306, 40895307, <b>Data Gap for degradates<sup>1</sup></b>
850.2200	71-2A	Avian Dietary Toxicity - Quail	ABCJO	00034769, <b>Data Gap for degradates<sup>1</sup></b>
850.2200	71-2B	Avian Dietary Toxicity - Duck	ABCJ	0160000, 40895302, 40895301, 40895305, 40895307, 00034769, 40895308, 00103959, <b>Data Gap for degradates<sup>1</sup></b>
850.2400	71-3	Wild Mammal Toxicity	ABCJ	00238762, 00146179, 41407202, 41407210, 41332609, 41332616, 41137003, 43543901, 41580201, 41535201, 41577401, 41514701, 41511001
850.2300	71-4A	Avian Reproduction - Quail	ABCJ	41322902, <b>data reserved for degradate<sup>2</sup></b>
850.2300	71-4B	Avian Reproduction - Duck	ABCJ	41322901, 104083, <b>data reserved for degradate<sup>2</sup></b>
850.1075	72-1A	Fish Toxicity Bluegill	ABCJ	40910904, 40509802, 40509801, 00103960
850.1075	72-1C	Fish Toxicity Rainbow Trout	ABCJO	00103959
850.1010	72-2A	Invertebrate Toxicity	ABCJO	40509803, 00109022,
None	72-3A	Estuarine/Marine Toxicity - Fish	ABCJ	40228401, 40914801
850.1025	72-3B	Estuarine/Marine Toxicity - Mollusk (oyster)	ABCJ	40625502

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850.1035	72-3C	Estuarine/Marine Toxicity - Shrimp	ABCJ	40625501
850.1300	72-4A	Fish- Early Life Stage	ABCJ	40914801, 44244802
850.1350	72-4B	Estuarine/Marine Invertebrate Life Cycle	ABCJ	44244801
850.1400	72-4C	Early Life-Stage Freshwater Fish	ABCJ	<b>Data Gap</b>
850.1500	72-5	Fish Life Cycle Study	ABCJ	<b>Data Gap</b>
850.4100	122-1A	Terrestrial Plant Toxicity, Tier 1 (Seedling Emergence)	ABCJ	40509805
850.4150	122-1B	Terrestrial Plant Toxicity, Tier 1 (Vegetative Vigor)	ABCJ	40509804
850.4400	122-2	Aquatic Plant Growth	ABCJ	40509806
850.4225	123-1A	Seedling Germination and Seedling Emergence, Tier 2	ABCJ	40803001
850.4250	123-1B	Non-target Terrestrial Plant Phytotoxicity	ABCJ	40803002
850.4400	123-2	Aquatic Plant Growth	ABCJ	40509806
850.3020	141-1	Honey Bee Acute Contact	ABCJ	05004151

### TOXICOLOGY

870.1100	81-1	Acute Oral Toxicity-Rat	ABCJO	41407218
870.1200	81-2	Acute Dermal Toxicity-Rabbit/Rat	ABCJO	41407219
870.1300	81-3	Acute Inhalation Toxicity-Rat	ABCJO	41407220
870.2400	81-4	Primary Eye Irritation-Rabbit	ABCJO	41407221
870.2500	81-5	Primary Skin Irritation	ABCJO	41407222
870.2600	81-6	Dermal Sensitization	ABCJO	41407223, 00232008
870.6100	81-7	Acute Delayed Neurotoxicity - Hen	ABCJO	44132701
870.3200	82-2	21-Day Dermal - Rabbit/Rat	ABCJO	40660807
870.3250	82-3	90-day Subchronic Dermal Toxicity Test, Rat	ABCJO	45184305, <b>Data Gap</b>
870.6200	82-7	Subchronic Neurotoxicity Study	ABCJO	43549302, 43543901
870.4100	83-1A	Chronic Feeding Toxicity - Rodent	ABCJO	41942002
870.4100	83-1B	Chronic Feeding Toxicity -Non-Rodent	ABCJO	41942001
870.4200	83-2A	Oncogenicity - Rat	ABCJO	00073372
870.4200	83-2B	Oncogenicity - Mouse	ABCJO	00073372
870.3700	83-3A	Developmental Toxicity - Rat	ABCJO	00153017

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REQUIREMENT			USE PATTERN	CITATION(S)
870.3700	83-3B	Developmental Toxicity - Rabbit	ABCJO	00079017
870.3800	83-4	2-Generation Reproduction - Rat	ABCJO	41158101
870.5300	84-2	Gene Mutation Mammalian Cell	ABCJO	41557404, 40660802, 41119701
870.5375	84-2B	Structural Chromosomal Aberration	ABCJO	40660805, 41603201
870.5915	84-2	In Vivo Sister Chromatid Exchange	ABCJO	41577301, 43060601, 41687701, 41557405
870.6200	81-8A	Acute Neurotoxicity Screening Battery- Rat	ABCJO	43132201, 43132204, 43132203, 44219301
870.7485	85-1	General Metabolism	ABCJO	41108901
870.8700	None	Subchronic Oral Toxicity Test	ABCJO	40815004

### OCCUPATIONAL/RESIDENTIAL EXPOSURE

875.2100	132-1A	Foliar Residue Dissipation	ABCJ	44959101
875.2400	133-3	Dermal Passive Dosimetry Exposure	ABCJO	44348801, 44959101,
875.2500	133-4	Inhalation Passive Dosimetry Exposure	ABCJO	45184305, 44959101,
875.1100	231	Estimation of Dermal Exposure at Outdoor Sites	ABCJO	44972201, 44405802, <b>Data Gap,</b>
875.1300	232	Estimation of Inhalation Exposure at Outdoor Sites	ABCJO	44405802, 44972201, <b>Data Gap,</b>
875.1500	235	Biological Monitoring	ABCJO	<b>Data Gap</b>

### ENVIRONMENTAL FATE

835.2120	161-1	Hydrolysis	ABCJ	40931101
835.2240	161-2	Photodegradation - Water	ABCJ	40863401
835.2410	161-3	Photodegradation - Soil	ABCJ	00153229
835.4100	162-1	Aerobic Soil Metabolism	ABCJ	44746001,
835.4200	162-2	Anaerobic Soil Metabolism	ABC	40028701,
835.1230	163-1	Leaching/Adsorption/Desorption	ABCJ	00118032, 42680901, <b>Data Gap</b>
835.1410	163-2	Laboratory Volatilization (from Soil) Study	AB	<b>Data Gap</b>
835.6100	164-1	Terrestrial Field Dissipation	ABC	41320101, 41330102, 41432701, 41432702, 41320103, 41432705, 41432703, 41432704, 41320104, 41320105, 41432706, 41432707, <b>Data Gap<sup>3</sup></b>

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REQUIREMENT		USE PATTERN	CITATION(S)	
<b>RESIDUE CHEMISTRY</b>				
860.1500	171-4K	AB	Crop Field Trials	
			Blueberries	<b>Data Gap</b>
			Celery	<b>Data Gap</b>
			Spinach	<b>Data Gap</b>
			Swiss Chard	<b>Data Gap</b>
860.1520	171-4L	AB	Processed Food	
			Figs	44726801
			Watercress	44237101
			Cottonseed Meal	00032881
			Cottonseed Oil	00032881
			Grapes-Juice	41410001
			Grapes-Raisins	41410001
			Pineapples-Juice	42179501
			Pineapples-Juice Concentrate	42179501
			Plums/Prunes-Dried	43274401
			Sugar-Beet-Molasses	41336514
			Tomatoes-Catsup	41336508
			Tomatoes-Juice	41336508
			Tomatoes-Paste	41336508
Tomatoes-Puree	41336508			

1. Guideline has been fulfilled for diazinon, but data are required for oxyprymidine and diazoxon.
2. Data on degradates are reserved pending results of acute toxicity tests on degradates.
3. Terrestrial field dissipation data are required for diazoxon.