



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

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MEMORANDUM

June 22, 2006

SUBJECT: Prothioconazole: Transmittal of Data Evaluation Reports for Ecotoxicity Studies

TO: Tony Kish, Product Manager 22
Lana Coppolino, Reviewer
Registration Division (7505C)

FROM: Christopher Salice, Biologist
Environmental Risk Branch IV
Environmental Fate and Effects Division (7507C)

Chris Salice 6/22/06

THROUGH: Elizabeth Behl, Branch Chief
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EBehl 6/22/06

The Environmental Fate and Effects Division (EFED) has harmonized the ecological toxicity Data Evaluation Reports (DERs) with the Pest Management Regulatory Agency (PMRA) of Canada. The studies, MRIDs, and electronic file names are listed in Table 1 below.

Table 1. Prothioconazole environmental Fate DERs and electronic file names.

Guideline		Description	MRID	Title	Substrate	Study Classification
71-1	850.2100	Avian acute oral	462460-36	Acute oral toxicity study with the Bobwhite	TGAI.	Acceptable
			462460-37		SXX0665.	Acceptable
71-2	850.2200	Avian acute dietary	462460-38	A dietary LC50 study with the Northern Bobwhite	TGAI.	Acceptable
			462460-39		Desthio..	Acceptable
71-2	850.2200	Avian acute dietary	462460-40	A dietary LC50 study with the Mallard	TGAI.	Acceptable
71-4a	850.2300	Avian repro	462460-42	Avian reproduction study in Northern Bobwhite	TGAI.	Acceptable
			462460-43		Desthio. No.	Acceptable

Guideline		Description	MRID	Title	Substrate	Study Classification
71-4b	850.2300	Avian repro	462460-44 462460-45	Avian reproduction study in Mallard	TGAI. No. Desthio. No.	Acceptable Supplemental
72-1	850.1075	Freshwater fish acute	462460-18 462460-19 462460-20 462460-21	An acute toxicity study with the Rainbow trout	TGAI. No. 480SC SXX0665. No. S-methyl.	Acceptable Acceptable Acceptable Acceptable
72-1	850.1075	Freshwater fish acute	462460-22 462460-23	Acute toxicity to Bluegill sunfish	TGAI. 480SC	Acceptable Acceptable
Non-guideline	Non-guideline	Freshwater fish acute	462460-25	Acute toxicity to common carp	TGAI. No.	Supplemental
72-1a	850.1075	Freshwater fish acute	462460-26	Acute toxicity to Fathead minnow	Desthio.	Acceptable
72-1a	850.1075	Freshwater fish acute	462460-24	Acute toxicity to Golden orfe	SXX0665.	Invalid
72-2	850.1010	Freshwater invertebrate acute	462460-09 462460-10 462460-11 462460-12	An acute toxicity study with the daphnid	TGAI. No. 480SC. SXX0665. S-methyl.	Acceptable Acceptable Supplemental Acceptable
Non-guideline	Non-guideline		462460-13	Acute toxicity study with crayfish	Desthio. No	Invalid
72-3a	850.1075	Estuarine/ marine fish acute	462460-27	Acute toxicity study with the Sheepshead minnow	TGAI	Acceptable
72-3b	850.1025	Oyster shell deposition	462460-14	Acute toxicity to Eastern Oyster	TGAI	Acceptable
72-3c	850.1035	Estuarine/ marine invertebrate acute	462460-16 462460-17	Acute toxicity to Mysids	TGAI. No. Desthio. No.	Acceptable Acceptable
72-4a	850.1400	Fish early life stage	462460-31 462460-32	Toxicity to the early life stages of the Rainbow trout	TGAI Desthio	Invalid Invalid
72-4b	850.1300	Freshwater invertebrate life cycle	462460-28 462460-29	21-d chronic toxicity with the Daphnid	TGAI Desthio	Acceptable Acceptable
72-4c	850.1350	Estuarine/ marine invertebrate life cycle	462460-30	Life cycle toxicity test with the Mysid	Desthio. No.	Acceptable

Guideline		Description	MRID	Title	Substrate	Study Classification
72-5	850.1500	Estuarine/ marine fish life cycle	462460-33	Life-cycle toxicity test with the Fathead minnow	Desthio	Supplemental
122-1	850.4100 850.4150	Non-target plants seedling emergence/veg etative vigor	462460-49	Tier I seedling emergence/vegetative vigor	480SC	Acceptable
123-2a	850.4225	Non-target plants, Tier II seedling emergence	462460-50	Tier II seedling emergence	480SC	Acceptable
123-2	850.4400	Non-target plants; aquatic vascular plant toxicity test	462461-01 462461-02 462461-04	Toxicity to duckweed	TGAI 480SC Desthio	Acceptable Acceptable Acceptable
123-2	850.5400	Non-target plants; freshwater non- vascular plant toxicity test	462461-09	Acute toxicity to the freshwater diatom	TGAI	Acceptable
123-2	850.5400	Non-target plants; marine non-vascular plant toxicity test	462461-10	Growth inhibition test with the marine diatom	TGAI	Acceptable
123-2	850.5400	Non-target plants; freshwater non- vascular plant toxicity test	462461-05 462461-07 462461-08	Growth inhibition test with freshwater blue-green alga	TGAI S-methyl. SXX0665. No.	Acceptable Supplemental Acceptable
123-3	850.5400	Non-target plants; freshwater non- vascular plant toxicity test	462461-03 462461-06	Toxicity to the freshwater green alga	TGAI 480SC	Acceptable Acceptable
141-1	850.3020	Non-target insect contact toxicity test	462460-46 462460-48	Acute oral and contact toxicity tests with the honeybee	480SC TGAI	Acceptable Acceptable
Non- guideline	Non- guideline		462461-31 462461-32	Development and emergence of Chironomus larvae	TGAI SXX0665	Supplemental Supplemental