



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

Subject: Estuarine TEP Testing for Metalaxyl, D180647 and D179489.

To: Linda Propst
PM 53
Special Review and Reregistration Division, H7508W

From: *for* Anthony F. Maciorowski, Chief
Ecological Effects Branch
Environmental Fate and Effects Division, H7507C

Douglas J. Urban 11/1/93

EEB has completed a review of the Estuarine Toxicity testing submitted by Ciba-Geigy for Ridomil 2E, active ingredient Metalaxyl. The following is a summary of those reviews:

1). Machado, M.W. 1992. Ridomil®2E - Acute Toxicity to Mysid Shrimp (Mysidopsis bahia) Under Flow-Through Conditions. SLI Report No. 92-4-4196. Performed by Springborn Laboratories, Inc., Wareham, MA. Submitted by CIBA-GEIGY Corporation, Greensboro, NC. EPA MRID No. 423375-01.

This study is scientifically sound and meets the guideline requirements for an acute flow-through estuarine shrimp toxicity study using a technical end product (TEP), #72-3f. Based on mean measured concentrations, the 96-hour LC₅₀ of Ridomil®2E (a formulated product) for Mysidopsis bahia was 5.98 mg/L (1.5 mg a.i./l). Therefore, Ridomil®2E is classified as moderately toxic to mysid shrimp. The NOEC was 2.36 mg/L (0.59 mg a.i./l).

2). Dionne, E. 1992. (Ridomil 2E) - Acute Toxicity to Eastern Oyster (Crassostrea virginica) Under Flow-Through Conditions. SLI Report No. 92-6-4291. Prepared by Springborn Laboratories, Inc., Wareham, MA. Submitted by CIBA-GEIGY Corporation, Greensboro, NC. EPA MRID No. 423781-01.

This study is scientifically sound and meets the guideline requirements for a 96-hour flow-through mollusc shell deposition acute toxicity test using a technical end use product (TEP), #72-3e. Based on mean measured concentrations, the 96-hour EC₅₀ of Ridomil 2E (a formulated product) was 4.44 mg/L (1.1 mg a.i./l). Therefore, Ridomil 2E is classified as moderately toxic to Crassostrea virginica. The NOEC was 1.80 mg/L (0.45 mg a.i./l).



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As requested, the following is a list of unfulfilled data requirements for metalaxyl:

- #72-3c Estuarine Shrimp (TGAI)
- #72-3b Estuarine Mollusc (TGAI)
- #141-1 Honey bee Acute contact

Questions regarding this review, please contact Dana Lateulere at 308-2856.

DP Barcode : D180647
 PC Code No : 113501
 EEB Out : NOV 2 1993

To: Linda Propst
 Product Manager 53
 Special Review and Reregistration Division (H7508W)

From: Anthony Maciorowski, Chief
 Ecological Effects Branch/EFED (H7507C)

Attached, please find the EEB review of...

Reg./File # : 113501
 Chemical Name : Metalaxyl
 Type Product : Fungicide
 Product Name : Ridomil 2E
 Company Name : Ciba-Geigy
 Purpose : Review Oyster Dep. study, data gaps?

Action Code : 627 Date Due : 11/12/92
 Reviewer : Dana Lateulere

EEB Guideline/MRID Summary Table: The review in this package contains an evaluation of the following:

GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT
71-1(A)			72-2(A)			72-7(A)		
71-1(B)			72-2(B)			72-7(B)		
71-2(A)			72-3(A)			122-1(A)		
71-2(B)			72-3(B)			122-1(B)		
71-3			72-3(C)			122-2		
71-4(A)			72-3(D)			123-1(A)		
71-4(B)			72-3(E)	423781-01	Y	123-1(B)		
71-5(A)			72-3(F)	423781-01	Y	123-2		
71-5(B)			72-4(A)			124-1		
72-1(A)			72-4(B)			124-2		
72-1(B)			72-5			141-1		
72-1(C)			72-6			141-2		
72-1(D)						141-5		

Y=Acceptable (Study satisfied Guideline)/Concur
 P=Partial (Study partially fulfilled Guideline but additional information is needed)
 S=Supplemental (Study provided useful information but Guideline was not satisfied)
 N=Unacceptable (Study was rejected)/Nonconcur

DP Barcode :D179489
 PC Code No : 113501
 EEB Out : NOV 2 1993

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 Product Manager 53
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From: Anthony Maciorowski, Chief
 Ecological Effects Branch/EFED (H7507C)

Attached, please find the EEB review of...

Reg./File # : 113501
 Chemical Name : Metalaxyl
 Type Product : Fungicide
 Product Name : Ridomil 2E
 Company Name : Ciba-Geigy
 Purpose : Review Acute Mysid with TEP

Action Code : 627 Date Due : 10/14/92
 Reviewer : Dana Lateulere

EEB Guideline/MRID Summary Table: The review in this package contains an evaluation of the following:

GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT
71-1(A)			72-2(A)			72-7(A)		
71-1(B)			72-2(B)			72-7(B)		
71-2(A)			72-3(A)			122-1(A)		
71-2(B)			72-3(B)			122-1(B)		
71-3			72-3(C)			122-2		
71-4(A)			72-3(D)			123-1(A)		
71-4(B)			72-3(E)			123-1(B)		
71-5(A)			72-3(F)	423375-01	Y	123-2		
71-5(B)			72-4(A)			124-1		
72-1(A)			72-4(B)			124-2		
72-1(B)			72-5			141-1		
72-1(C)			72-6			141-2		
72-1(D)						141-5		

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