

US EPA ARCHIVE DOCUMENT

**FILE COPY**

*RJM*

Shaughnessy No.: 113501

Date Out of EFGWB:

TO: Susan Lewis  
Product Manager  
Registration Division (H7505C)

FROM: Paul Mastradone, Chief  
Environmental Chemistry Review Section #1  
Environmental Fate and Groundwater Branch

THRU: Henry Jacoby, Acting Chief  
Environmental Fate and Groundwater Branch  
Environmental Fate and Effects Division (H7507C)

Attached please find the EFGWB review of:

Reg./File # : 100-628

Chemical Name : Metalaxyl

Product Type : Fungicide

Product Name : Ridomil 2E

Company Name : CIBA-GEIGY

Purpose : Review correspondence related to progress  
report on multicropping with metalaxyl

Date Received : 4/12/89 Action Code: 400

Date Completed : 3/28/90 EFGWB No. : 900509

Total Reviewing Time (decimal days): 2.0

Deferrals to : \_\_\_\_\_ Ecological Effects Branch, EFED  
 \_\_\_\_\_ Science integration & Policy Staff, EFED  
 \_\_\_\_\_ Non-Dietary Exposure Branch, HED  
 \_\_\_\_\_ Dietary Exposure Branch, HED  
 \_\_\_\_\_ Toxicology Branch, HED



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1.0 CHEMICAL:

Common Name: Metalaxyl

Chemical Name: N-(2,6-dimethylphenyl)-N-(methoxyacetyl)  
alanine methyl ester

Chemical Structure:

Chemical/physical properties:

molecular weight: 279.34  
vapor pressure:  $2.2 \times 10^{-6}$  Torr at 20°C  
melting point: 71-72°C  
solubility: 0.7%

2.0 TEST MATERIAL:

Not applicable.

3.0 STUDY/ACTION TYPE:

Review correspondence related to submission of plans to conduct residue studies by CIBA-GEIGY to examine potential metalaxyl carryover; and review progress report on multicropping project with metalaxyl.

4.0 STUDY IDENTIFICATION:

General correspondence related to design of experimentation to determine build-up of potential of metalaxyl when used at the maximum rate over a period of several years (Letters from Henry Jacoby to CIBA-GEIGY dated November 25, 1985; Karen Stumpf to Henry Jacoby dated April 2, 1986; EAB review of "Proposal to determine metalaxyl residue carryover" dated August 28, 1986; and Karen Stumpf to Susan Lewis dated March 14, 1989; and memorandum from F. B. Suhre to Susan Lewis dated December 5, 1989).

5.0 REVIEWED BY:

Richard J. Mahler  
Hydrologist, Review  
Section 1, EFGWB, EFED

Signature:

Date:

6.0 APPROVED BY:

Paul J. Mastradone, Chief  
Review Section 1, EFGWB, EFED

Signature:

Date:

7.0 CONCLUSION:

This package was sent to EFGWB for informational purposes only. This is old correspondence which appears to be a progress report on the multicropping project with metalaxyl.

8.0 RECOMMENDATIONS:

Since the registrant has indicated (see BACKGROUND section below) that the complete report will be submitted to the Agency within two months no further action is needed at this time on these submissions.

9.0 BACKGROUND:

When tolerances for metalaxyl were established in November, 1985, concern was raised by EPA that the potential carryover of residues from year to year could lead to residues of metalaxyl and its metabolites in excess of the established tolerances. Therefore, EPA requested that the registrant develop data that addresses what the build-up potential would be for residues of concern.

The registrant submitted these plans to EPA in a letter dated April 12, 1986. EFGWB (formerly EAB) approved the proposed metalaxyl double-cropping residue program in a review dated August 28, 1986.

In a progress report from Karen Stumpf to Susan Lewis dated March 14, 1989, the registrant reported that most of the first year samples had been analyzed and work was beginning on the second year samples. The registrant projected a submission date for the complete study, including the second year of sampling to be January, 1990.

Recent telephone conversation (March 28, 1990) between EFGWB and the registrant indicated that the complete report would be finished and submitted to the Agency within two months.

10.0 DISCUSSION OF INDIVIDUAL STUDIES:

No studies submitted.

11.0 COMPLETION OF ONE-LINER:

Not applicable

12.0 CBI APPENDIX:

No CBI submitted.