

William

Shaughnessy Number: 113501
Date Out of EAB: APR 12 1988

TO: Lois A Rossi
Product Manager 21
Registration Division (TS-767C)

FROM: Patrick Holden, Team Leader *C.E. for*
Ground-Water Team
Exposure Assessment Branch/HED (TS-769C)

THRU: ⁶Paul F. Shuda, Chief *Paul F. Shuda*
Exposure Assessment Branch/HED (TS-769C)

Attached, please find the EAB review of:

Reg./File #: 304

Chemical Name: Metalaxyl

Type Product: Fungicide

Company Name: CIBA-GEIGY

Purpose: Reported metalaxyl findings in ground water

Date Received: 3/21/88 ACTION CODE: 405

Date Completed: 3/24/88 EAB #(s): 80588

Monitoring study requested: Total Review Time: 0.1

Monitoring study voluntarily: x

Deferrals To: Ecological Effects Branch
 Residue Chemistry Branch
 x Toxicology Branch

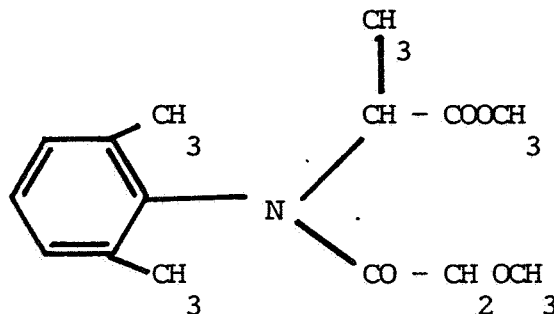
EVALUATION OF WELL INFORMATION FROM
MONITORING STUDIES FOR METALAXYL

1. CHEMICAL:

Chemical name: N-(2,6-Dimethylphenyl)-N-(methoxyacetyl)-alanine methyl ester

Common name: Ridomil

Structure:



2. TEST MATERIAL:

Not Applicable.

3. STUDY/ACTION TYPE:

Evaluation of monitoring data.

4. STUDY IDENTIFICATION:

Title: Letter dated 2/26/88 from Karen Stumpf, Senior Regulatory
Regulatory Specialist, CIBA-GEIGY to Lois Rossi, Product Manager
21, U.S. EPA/OPP.

Submitted by: CIBA-GEIGY Corporation
Agricultural Division
P.O. Box 18300
Greensboro, NC 27419

Identifying No.: 304
Action Code: 405
Accession Number: Not given
Record Number: 216613
Date Sent to HED: 3/21/88

5. REVIEWED BY:

W. Martin Williams
Hydrologist
OPP/HED/EAB/Ground-Water Team

Signature:

W. Martin Williams

Date: 3/25/88

6. APPROVED BY:

Patrick Holden
Team Leader
OPP/HED/EAB/Ground-Water Team

Signature: C. Eid for

Date: 4/11/88

7. CONCLUSIONS:

Metalaxyl concentrations reported range from 1.9 to 2.2 ppb. These are among the first reported detections of metalaxyl in ground water.

8. RECOMMENDATIONS:

Results will be filed in EAB. Please defer to the Toxicology Branch on significance of findings. Additional information requested from registrant includes: suspected origin of contamination, well type, and depth to water. Also, please ask registrant if these wells are the same Edgecombe Co., NC wells reported in registrant's October 8, 1987 letter to Product Manager 21 (please see Id No. 100-601, Record No. 212910, EAB # 80334) and if positives of October 1987 letter had been confirmed by gas chromatography.

Registrant states these results are part of an ongoing monitoring program. EAB requests a summary description of the monitoring program from the registrant to include (by county): well type, sampling period, sampling frequency, number of wells/number of positives, number of samples/number of positives, suspected origin of contamination, range of concentrations detected, and typical (eg., mean and median) positive found.

9. BACKGROUND:

Registrant submitted detection of metalaxyl in Edgecombe, NC wells during July 1987 (Id. No. 100-601, Rec. NO. 212910, EAB #80334). Registrant claimed findings would be confirmed with gas chromatography. Confirmation has not been received to date. Registrant states findings are from most recent round of sampling in ongoing monitoring project.

10. DISCUSSION:

Findings were detected using an N/P detector operating in the nitrogen specific mode. There is no indication from registrant that the findings result from a point source contamination. There is no data from registrant on well type or construction. It is assumed that present positive findings are the result of continued sampling from previously reported wells. This assumption should be verified with registrant.

REGISTRATION DIVISION DATA REVIEW RECORD
Confidential Business Information — Does Not Contain National Security Information (E.O. 12065)

145044 H

3/22/88

1. CHEMICAL NAME

216613

2. IDENTIFYING NUMBER

3. ACTION CODE

4. ACCESSION NUMBER

TO BE COMPLETED BY PM

5. RECORD NUMBER

6. REFERENCE NUMBER

7. DATE RECEIVED (EPA)

8. STATUTORY DUE DATE

9. PRODUCT MANAGER (PM)

10. PM TEAM NUMBER

TO BE COMPLETED BY PCB

11. DATE SENT TO HED/TSS

12. PRIORITY NUMBER

13. PROJECTED RETURN DATE

14. CHECK IF APPLICABLE

☐ Public Health/Quarantine

☐ Minor Use

☐ Substitute Chemical

☐ Part of IPM

☐ Seasonal Concern

☐ Review Requires Less Than 4 Hours

15. INSTRUCTIONS TO REVIEWER

A. HED

☐ Total Assessment - 3(c)(5)

C. ☐ BFSD

☐ Incremental Risk Assessment - 3(c)(7) and/or E.L. Johnson memo of May 12, 1977.

D. ☐ TSS/RD

B. SPRD (Send Copy of Form to SPRD PM)

☐ Chemical Undergoing Active RPAR Review

E. ☐ Other

☐ Chemical Undergoing Active Registration Standards Review

F. INSTRUCTIONS

16. RELATED ACTIONS

17. 3(c)(1)(D)

☐ Use Any or All Available Information ☐ Use Only Attached Data
☐ Use Only the Attached Data for Formulation and Any or All
☐ Available Information on the Technical or Manufacturing Chemical.

18. REVIEWS SENT TO

☐ TB

☐ EEB

☐ EF

☐ PL

☐ RCB

☒ EFB

☐ CH

☐ BFSD

19. To

TYPE OF REVIEW

NUMBER OF ACTIONS

Registration

Petition

EUP

SLN

Sec. 18

Inert

MNR. USE

Other

TOXICOLOGY

ECOLOGICAL EFFECTS

RESIDUE CHEMISTRY

ENVIRONMENTAL DATA

CHEMISTRY

EFFICACY

PRECAUTIONARY LABELING

ECONOMIC ANALYSIS

20. ☐ Label Submitted with Application Attached

21. ☐ Confidential Statement of Formula

22. ☐ Representative Labels Showing Accepted Uses Attached

23. Date Returned to RD (to be completed by HED)

24. Include an Original and 4 (four) Copies of This Completed Form for Each Branch Checked for Review.

Agricultural Division
CIBA-GEIGY Corporation
P.O. Box 18300
Greensboro, North Carolina 27419
Telephone 919 292 7100

CIBA-GEIGY

February 26, 1988

Ms. Lois A. Rossi
Product Manager (21)
Registration Division (TS-767C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
401 M. Street, S.W.
Washington, D.C. 20460

Dear Ms. Rossi:

SUBJECT: REPORT OF FINDINGS OF METALAXYL IN GROUND WATER

In keeping with the intent of EPA's proposed Interpretive Rule of Section 6(a)(2) of FIFRA, CIBA-GEIGY hereby submits the following report of findings of metalaxyl in ground water. These findings are the result of the most recent round of sampling in our ongoing program.

Ground Water Findings

Sampling Dates: 10/19/87-10/21/87

No. of Samples Analyzed: 11

Detection Limit: 0.25 ppb

Positive Detections:

<u>Location</u>	<u>Metalaxyl (ppb)</u>
Edgecombe County, NC	1.9
Edgecombe County, NC	2.2

Samples were analyzed using an N/P detector operating in the n specific mode.

Sincerely,

Karen S. Stumpf
Karen S. Stumpf
Senior Regulatory Specialist
Regulatory Affairs