

US EPA ARCHIVE DOCUMENT

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: Paul 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

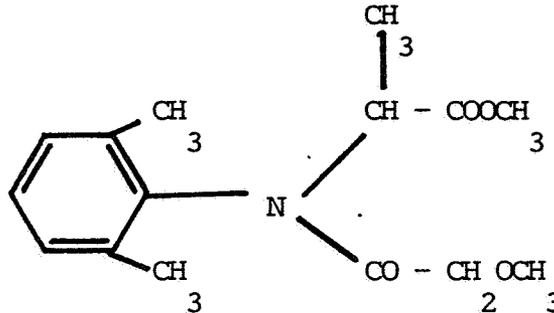
EVALUATION OF WELL INFORMATION FROM
MONITORING STUDIES FOR METALAXYL

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 <i>216613</i>			
2. IDENTIFYING NUMBER <i>304</i>	3. ACTION CODE <i>405</i>	4. ACCESSION NUMBER	TO BE COMPLETED BY PM <input checked="" type="checkbox"/>
			5. RECORD NUMBER <i>216613</i>
			6. REFERENCE NUMBER
			7. DATE RECEIVED (EPA) <i>3/14/88</i>
			8. STATUTORY DUE DATE
			9. PRODUCT MANAGER (PM) <i>(21)</i>
			10. PM TEAM NUMBER <i>ASST/PM</i>

14. CHECK IF APPLICABLE		TO BE COMPLETED BY PCB	
<input type="checkbox"/> Public Health/Quarantine	<input type="checkbox"/> Minor Use	11. DATE SENT TO HED/TSS <i>3/21/88</i>	<i>ATT</i>
<input type="checkbox"/> Substitute Chemical	<input type="checkbox"/> Part of IPM	12. PRIORITY NUMBER <i>1</i>	
<input type="checkbox"/> Seasonal Concern	<input type="checkbox"/> Review Requires Less Than 4 Hours	13. PROJECTED RETURN DATE <i>4/16/88</i>	

15. INSTRUCTIONS TO REVIEWER		F. INSTRUCTIONS	
A. HED <input type="checkbox"/> Total Assessment - 3(c)(5)	C. <input type="checkbox"/> BFSD	<i>Attached is info regarding 6(3)(2)</i>	
<input type="checkbox"/> Incremental Risk Assessment - 3(c)(7) and/or E.L. Johnson memo of May 12, 1977.	D. <input type="checkbox"/> TSS/RD		
B. SPRD (Send Copy of Form to SPRD PM)	E. <input type="checkbox"/> Other		
<input type="checkbox"/> Chemical Undergoing Active RPAR Review			
<input type="checkbox"/> Chemical Undergoing Active Registration Standards Review			

16. RELATED ACTIONS

17. 3(c)(1)(D)	18. REVIEWS SENT TO			
<input type="checkbox"/> Use Any or All Available Information	<input type="checkbox"/> TB	<input type="checkbox"/> EEB	<input type="checkbox"/> EF	<input type="checkbox"/> PL
<input type="checkbox"/> Use Only Attached Data	<input type="checkbox"/> RCB	<input checked="" type="checkbox"/> EFB	<input type="checkbox"/> CH	<input type="checkbox"/> BFSD
<input type="checkbox"/> Use Only the Attached Data for Formulation and Any or All Available Information on the Technical or Manufacturing Chemical.				

19. To	TYPE OF REVIEW	NUMBER OF ACTIONS							
		Registration	Petition	EUP	SLN	Sec. 18	Inert	MNR. USE	Other
HED	TOXICOLOGY								
	ECOLOGICAL EFFECTS								
	RESIDUE CHEMISTRY								
	ENVIRONMENTAL DATA								<i>6</i>
RD/TSS	CHEMISTRY								
	EFFICACY								
	PRECAUTIONARY LABELING								
BFSD	ECONOMIC ANALYSIS								

20. <input type="checkbox"/> Label Submitted with Application Attached	21. <input type="checkbox"/> Confidential Statement of Formula	22. <input type="checkbox"/> 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