

US EPA ARCHIVE DOCUMENT

058001

Date Out EAB: MAR 17 1986

To: G. Werdig
Product Manager 50
Registration Division (TS-767)

From: Samuel M. Creeger, Chief *SMC*
Environmental Chemistry Review Section 1
Exposure Assessment Branch
Hazard Evaluation Division (TS-769)

Attached please find the environmental fate review of:

Reg./File No.: _____

Chemical: Azinophos Methyl

Type Product: _____

Product Name: _____

Company Name: _____

Submission Purpose: Response to GWDCI

ACTION CODE: 495

Date In: 03/03/86

EAB # 6369

Date Completed: MAR 17 1986

TAIS (level II) Days

.25

Deferrals To:

_____ Ecological Effects Branch

_____ Residue Chemistry Branch

_____ Toxicology Branch

Monitoring study requested by EAB:

Monitoring study voluntarily conducted by registrant:

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

13286

3/3/86

1. CHEMICAL NAME Diazinon Azinphos Methyl			
2. IDENTIFYING NUMBER 59001	3. ACTION CODE 495	4. ACCESSION NUMBER N/A	TO BE COMPLETED BY PM
			5. RECORD NUMBER 168695
			6. REFERENCE NUMBER
			7. DATE RECEIVED (EPA) N/A?
			8. STATUTORY DUE DATE 10 Days
			9. PRODUCT MANAGER (PM) G. Werding/S. Lewis
			10. PM TEAM NUMBER 50

14. CHECK IF APPLICABLE <input type="checkbox"/> Public Health/Quarantine <input type="checkbox"/> Substitute Chemical <input type="checkbox"/> Seasonal Concern <input type="checkbox"/> Minor Use <input type="checkbox"/> Part of IPM <input type="checkbox"/> Review Requires Less Than 4 Hours	TO BE COMPLETED BY PCB
	11. DATE SENT TO HED/TSS 03/03/86
	12. PRIORITY NUMBER 20
	13. PROJECTED RETURN DATE 05/19/86

15. INSTRUCTIONS TO REVIEWER	F. INSTRUCTIONS
A. HED <input type="checkbox"/> Total Assessment - 3(c)(5) <input type="checkbox"/> Incremental Risk Assessment - 3(c)(7) and/or E.L. Johnson memo of May 12, 1977.	Sam Creeger, do you agree with Mobay
B. SPRD (Send Copy of Form to SPRD PM) <input type="checkbox"/> Chemical Undergoing Active RPAR Review <input type="checkbox"/> Chemical Undergoing Active Registration Standards Review	that data requirements 162-2 and 164-3
C. <input type="checkbox"/> BFSD D. <input type="checkbox"/> TSS/RD E. <input type="checkbox"/> Other	are not required for the use of Southern Pine Seed Orchards for protection of seed orchard.

16. RELATED ACTIONS

17. 3(c)(1)(D) <input type="checkbox"/> Use Any or All Available Information <input type="checkbox"/> Use Only the Attached Data for Formulation and Any or All Available Information on the Technical or Manufacturing Chemical.	18. REVIEWS SENT TO <input type="checkbox"/> TB <input type="checkbox"/> EEB <input type="checkbox"/> EF <input type="checkbox"/> PL <input type="checkbox"/> RCB <input type="checkbox"/> EFB <input type="checkbox"/> CH <input type="checkbox"/> BFSD
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19. To	TYPE OF REVIEW	NUMBER OF ACTIONS							
		Registration	Petition	EUP	SLN	Sec. 18	Inert	MNR. USE	Other
HED	TOXICOLOGY								
	ECOLOGICAL EFFECTS								
	RESIDUE CHEMISTRY								
	X ENVIRONMENTAL DATA Sam Creeger								
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.
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REGISTRATION DIVISION DATA REVIEW RECORD

Confidential Business Information - Does Not Contain National Security Information (E.O. 12065)

13286

3/3/86

1. CHEMICAL NAME DETELINON Azinphos Methyl			
2. IDENTIFYING NUMBER 58001	3. ACTION CODE 495	4. ACCESSION NUMBER N/A	TO BE COMPLETED BY PM 5. RECORD NUMBER 168695
			6. REFERENCE NUMBER
			7. DATE RECEIVED (EPA) N/A?
			8. STATUTORY DUE DATE 10 Days
			9. PRODUCT MANAGER (PM) G. Werdie/S. Lewis
			10. PM TEAM NUMBER 50

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 03/03/86 12. PRIORITY NUMBER 20 13. PROJECTED RETURN DATE 05/19/86
<input type="checkbox"/> Substitute Chemical	<input type="checkbox"/> Part of IPM	
<input type="checkbox"/> Seasonal Concern	<input type="checkbox"/> Review Requires Less Than 4 Hours	

15. INSTRUCTIONS TO REVIEWER A. HED <input type="checkbox"/> Total Assessment - 3(c)(5) <input type="checkbox"/> Incremental Risk Assessment - 3(c)(7) and/or E.L. Johnson memo of May 12, 1977. B. SPRD (Send Copy of Form to SPRD PM) <input type="checkbox"/> Chemical Undergoing Active RPAR Review <input type="checkbox"/> Chemical Undergoing Active Registration Standards Review	F. INSTRUCTIONS Sam Creeger, do you agree with Mobav that data requirements 162-2 and 164-3 are not required for the use of Southern Pine Seed Orchards for protection of seed orchard.
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16. RELATED ACTIONS

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

19. To	TYPE OF REVIEW	NUMBER OF ACTIONS							
		Registration	Petition	EUP	SLN	Sec. 18	Inert	MNR. USE	Other
HED	TOXICOLOGY								
	ECOLOGICAL EFFECTS								
	RESIDUE CHEMISTRY								
RD/TSS	X ENVIRONMENTAL DATA <i>Sam Creeger</i>								
	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.
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1. CHEMICAL:

Azinophos methyl
Guthion

2. TEST MATERIAL:

N/A

3. STUDY TYPE/ACTION:

Waiver of the need for a forest dissipation study based on the use of Guthion in a pine seed orchard.

4. STUDY IDENTIFICATION:

N/A

5. REVIEWED BY:

Catherine Eiden
Section # 1
EAB

C. Eiden
3/17/86

6. APPROVED BY:

Sam Creeger, Chief
Section # 1
EAB

Sam Creeger
3/17/86

7. CONCLUSIONS:

EAB concludes that the Forest Dissipation study (164-3) is not applicable to the use of Guthion in pine seed orchards, and is, therefore, waived. A pine seed orchard is not "forest-like" in its setting; trees are planted in rows, 20 feet apart in all directions from each other. The orchard floors are covered with grasses, as opposed to forest litter. This setting is then more like an actual orchard setting. The Field Dissipation study (164-1) would be more appropriate for this use of Guthion. It has been submitted, already.

EAB concludes that the Anaerobic Metabolism study (162-2) is required under the Ground-Water-Data-Call-In; it is not waived, but has been already submitted.

8. RECOMMENDATIONS:

All studies required under the Ground-Water-Data-Call-In have been submitted for Guthion.

9. BACKGROUND:

N/A

10. DISCUSSION OF INDIVIDUAL STUDIES:

N/A

11. COMPLETION OF ONE-LINER:

No information was supplied with this package.

12. CBI:

N/A

Mobay

Diane
Please log on
G.W.
Susan

Mobay
Chemical Corporation

P.O. Box 4913
Hawthorn Road
Kansas City, MO 64120
Cable: Kemagro Kansas City
Telephone: 816/242-2000

Ellenby
Ms. Geraldine W. Werdig, Chief
Data Call In Program
Registration Division (TS-767)
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460

February 28, 1985

3125-102

Subject: Ground Water Data Call-In for Azinphos Methyl (GUTHION)

Dear Ms. Werdig:

We have your letter of January 25, 1985 responding to ours of November 2, 1984 on the above subject.

The Agency is correct in that Mobay has nine products registered that contain azinphos methyl and have claims for forestry use. We apologize for this oversight in our November 2, 1984 response. This claim is included in the ornamentals section of our labels and was simply overlooked.

In order to comply with data requirements 162-3 and 164-3 we will delete the claim for forestry and shade trees use, as indicated on the attached pages of one of our labels, for products containing GUTHION.

The U.S. Forest Service is extremely interested in maintaining the use on Southern Pine Seed Orchards for protection of seed producing pine trees. We believe that this limited use of GUTHION on seed orchards is not a true forestry use since each orchard is only about 150 acres or less in size. According to the U.S. Forest Service it is estimated that there are approximately 10,000 acres of Southern Pine Seed Orchards located throughout the south and south eastern states. We are enclosing copies of various environmental fate studies conducted by the Forest Service for your review. (Mobay Report Nos. 88972 and 88973)

Ms. Geraldine Werdig
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If you agree that the use on Southern Pine Seed Orchards is not a forestry use, please advise and we will amend our labels accordingly as shown in the attached example.

Yours very truly,

MOBAY CHEMICAL CORPORATION
AGRICULTURAL CHEMICALS DIVISION



G. E. Brussell, Manager
Registrations
Research & Development

GEB:brh
Attachments

cc: Mr. Jay S. Ellenberger
Product Manager (12)

