

US EPA ARCHIVE DOCUMENT

12/9/87

Shaughnessy No: 109901

Date Out of EAB: _____

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

FROM: Michael P. Firestone, Chief
Special Review Section #2
Exposure Assessment Branch/HED (TS-769C)

Michael P. Firestone

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

Paul F. Schuda

Attached, please find the EAB review of...

Reg./File#: 208-369

Chemical Name: Triadimefon

Type Product: Fungicide

Product Name: Bayleton 50 DF

Company Name: Mobay

Purpose: Exposure Study Protocol

Date Received: 25 November 1987

Action Code: 177

Date Completed 9 DECEMBER 1987

EAB# (s): 80150

Monitoring study requested:

Total Reviewing Time: 1.0

Monitoring study voluntarily: x

Deferrals to: Ecological Effects Branch

 Residue Chemistry Branch

 Toxicology Branch

REGISTRATION DIVISION DATA REVIEW RECORD

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

11/23/87

1. CHEMICAL NAME Bayleton				12-1-87
2. IDENTIFYING NUMBER 3125-220	3. ACTION CODE 177	4. ACCESSION NUMBER	TO BE COMPLETED BY PM	
			5. RECORD NUMBER 2031	
			6. REFERENCE NUMBER 25	
			7. DATE RECEIVED (EPA) 11	
			8. STATUTORY DUE DATE	
			9. PRODUCT MANAGER (PM) 2	
			10. PM TEAM NUMBER ROST	

14. CHECK IF APPLICABLE <input type="checkbox"/> Public Health/Quarantine <input type="checkbox"/> Minor Use <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	TO BE COMPLETED BY PCB 11. DATE SENT TO HED/TSS 11/25/87 12. PRIORITY NUMBER 49 13. PROJECTED RETURN DATE 3/14/88
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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 C. <input type="checkbox"/> BFSD D. <input type="checkbox"/> TSS/RD E. <input type="checkbox"/> Other	F. INSTRUCTIONS
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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 checked="" type="checkbox"/> EFB <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								
	<input checked="" type="checkbox"/> ENVIRONMENTAL DATA	1							
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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1.0 Introduction

The Exposure Assessment Branch has received two draft protocols from Mobay. The protocols are for mixer/loader and applicator exposure studies to support the registration of triadimefon, a fungicide marketed as Bayleton 50 DF. One protocol is for a study that will investigate exposure during ground boom application of triadimefon to wheat at 3.6 oz a.i./acre. The second protocol will investigate exposure during airblast application to grapes at 3.0 oz a.i./acre.

2.0 Discussion

Both proposed studies will monitor dermal exposure by the classic Durham and Wolfe passive dosimetry method. Eleven patches per person will be placed on the outside of the outer clothing. Eight additional patches per person will be placed under the outer coveralls. The protocols indicate that these inner patches will be "attached to the clothing beneath the coveralls." EAB interprets this statement to indicate that the patches will be placed on the inner clothing rather than inside of and directly to the coveralls. A telephone conversation with Dr. Richard Knarr of Mobay confirmed EAB's interpretation. Hand exposure will be monitored by hand rinsing.

Personal air sampling devices will be utilized to monitor inhalation exposure. Both dermal and inhalation exposure will cover a half-day work period. A total of 16 replicates will be collected at three sites.

Laboratory validation of the analytical methods for the dermal patches, ethanol hand rinses, and air sampling devices will be conducted prior to study initiation. Storage stability tests and field blank and fortification samples will also be analyzed as part of the studies' quality assurance.

Dr. Knarr stated in a telephone conversation that total exposure will be calculated in accordance with Subdivision U of the Pesticide Assessment Guidelines. In addition, descriptions of work conditions and application equipment will be included in the final study reports as required by Subdivision U.

3.0 Conclusion

The proposed protocols are acceptable as submitted. Mobay may proceed with the ground boom and airblast mixer/loader and applicator studies.



Curt Lunchick
Special Review Section
Exposure Assessment Branch/HED (TS-769C)

