

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)

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

Michael P. Firestone

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)

10033141

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

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

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

E. ☐ Other

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

☐ Chemical Undergoing Active RPAR Review

☐ 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

☒ EFB

☐ EF

☐ PL

☐ RCB

☐ EFB

☐ CH

☐ BFSD

NUMBER OF ACTIONS

19. To	TYPE OF REVIEW	Registration	Petition	EUP	SLN	Sec. 18	Inert	MNR. USE	Other
HED	TOXICOLOGY								
	ECOLOGICAL EFFECTS								
	RESIDUE CHEMISTRY								
	ENVIRONMENTAL DATA	1							
RD/TSS	CHEMISTRY								
	EFFICACY								
	PRECAUTIONARY LABELING								
BFSD	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.

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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.

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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)

