FILE
6/15/87

Shaughnessy No. 102001

Date Out of EAB: APR 9 1987

To: Lois Rossi
Product Manager #21
Registration Division (TS-767C)

From: Emil Regelman, Supervisory Chemist
Review Section #3
Exposure Assessment Branch
Hazard Evaluation Division (TS-769C)

Attached, please find the EAB review of...

Reg./File # : 4581-280

Chemical Name: Thiophanate-methyl

Type Product : Fungicide

Product Name :

Company Name : Pennwalt Corporation

Purpose : Review of protocols for fish residue accumulation studies.

ACTION CODE: 177

EAB #(s) : 70314

Date Received: 3/10/87

TAIS Code: 44

Date Completed: APR 9 1987

Total Reviewing Time 0.5 day

This submission is being returned pending the review and evaluation of the octanol/water partition coefficient data by RCB. If the o/w coefficient is determined to be significantly below 1000 a fish residue study would not be required. If a fish study is required, the protocols should be resubmitted to EAB for review. (AOS)

1. CHEMICAL: Thiophanate-methyl

Chemical Name: Dimethyl[1,2-phenylenebis(iminocarbonothioyl)]bis [carbamate]

2. TEST MATERIAL: 4.5 pound per gallon flowable formulation.

3. STUDY ACTION TYPE: Review of protocols for field dissipation studies on apples, celery and beans.

4. STUDY INDENTIFICATION: Protocols for terrestrial field dissipation studies (164-1) to support thiophanate-methyl use on apples, beans and celery. Agchem Pennwalt Technical Information, December 9, 1986. Apples: Project No. WT-86-C-25, Celery: Project No. WT-86-C-26, Dry beans: Project No. WT-86-C-27.

5. REVIEWED BY:

Arthur Schlosser
Chemist, Review Section #3
EAB/HED/OPP

Signature: Arthur O. Schlosser

Date: April 6, 1987

6. APPROVED BY:

Emil Regelman
Supervisory Chemist
Review Section #3
EAB/HED/OPP

Signature

Date: APR 9 1987

7. CONCLUSION: See DISCUSSIONS Section 10 for comments on the proposed protocols.

8. RECOMMENDATIONS: We concur with the proposed protocols for apples, celery and dry beans subject to the comments made in Section 10 of this review.

9. BACKGROUND: Registrant is submitting protocols for the development of field dissipation data to support uses on apples, celery and beans in response to the registration standard for thiophanate-methyl.

10. DISCUSSION: The following comments are made on the protocols submitted.

(1) The studies should be conducted according to the Pesticide Assessment Guidelines, Subdivision N, (164-1).

(2) Applications should be made according to label recommendations. Some of the data should reflect maximum application rates and the maximun number of applications for each crop, or application options that may be expected to result in maximum soil residues.

(3) Soil samples should be taken so as to fairly represent actual residues and include areas of maximum expected residues such as drip lines.

(4) Soil samples should be taken in increments to depths sufficient to define the extent of leaching during the study.

(5) Analytical methodology should be developed to detect residues to the 0.01 PPM level if feasible; recovery data should be included.

(6) All corrections made for recovery, sample storage stability or backbground should be reported.

(7) Estimated half-lives of thiophanate-methyl in the test soils should be reported.

11. COMPLETION OF ONE-LINER: Not applicable.

12. CBI APPENDIX: The information submitted is claimed to be CBI and should be treated as such.