122804

Shaughnessy No.: 122804

Date Out of EAB: JUN 06 1986

To: G. LaRocca
Product Manager 15
Registration Division (TS-767)

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

Attached, please find the EAB review of...

Reg./File # : 619-96

Chemical Name: Avermectin

Type Product : Insecticide

Product Name : AVID

Company Name : Merck

Purpose : Registration on flower crop

Date Received: 05/19/86

Date Completed: JUN 06 1986

Action Code(s): 300

EAB #(s) : 6643

days: 0.25

Deferrals to:

____ Ecological Effects Branch

____ Residue Chemistry Branch

____ Toxicology Branch

Monitoring study requested by EAB: ☐

Monitering study voluntarily conducted by registrant: ☐

1.a CHEMICAL:

Avermectin B_{1a}
Abamectin.
AVID™

See chemical structure in earlier EAB review of 9/05/85 and previous reviews.

The active ingredient is composed of not less than 80% avermectin B_{1a} and not more than 20% avermectin B_{1b}.

1.b Physical Properties:

See earlier reports.

2. TEST MATERIAL: Not Applicable

3. STUDY/ACTION TYPE:

Response to EAB request for additional information with regard to the field dissipation study on AVID™.

4. STUDY IDENTIFICATION: Field Dissipation.

5. REVIEWED BY:

Abramovitch
JUN 06 1986

Akiva D. Abramovitch, Ph.D.
Chemist
Environmental Chemistry Review Section 1/EAB/HED/OPP Date:

6. APPROVED BY:

Samuel M. Creeger
JUN 06 1986

Samuel M. Creeger, Chief
Supervisory Chemist
Environmental Chemistry Review Section 1/EAB/HED/OPP Date:

7. CONCLUSIONS: The study is accepted in fulfillment of the field dissipation data requirement for AVID™ by submission of the soil characteristics (attached). EAB request for submission of half life calculation remained unanswered and to avoid further delays the estimated half life of 3 days (EAB review of March 18, 1986) will be used.

8. RECOMMENDATIONS:

Acceptance of the field dissipation study fulfilled the EAB data requirements for registration for AVID™ for use in flower crops and foliage plants.

9. BACKGROUND:

A. Introduction: See EAB review of March 18, 1986.

B. Directions for Use: As in A, above.

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES:

10.1 A. Study Identification: Abamectin Soil Dissipation in Flower Crop.

B. Materials and Methods:

The properties of the soil was submitted as requested in the EAB review of 3/18/86.

C. Reported Results: N/A See EAB review of 3/18/86.

D. Study Author's Conclusions: N/A See EAB review of 3/18/86.

E. Reviewer's Discussions and Interpretation of Study Results: N/A

See EAB review of 3/18/86.

11. COMPLETION OF ONE LINER:

Not completed.

12. CBI APPENDIX:

None

Abamectin Soil Dissipation in
Flower Crops

Report No. 001-84-008R
(Addendum - Soil Composition)

Study submitted 8/14/85 in Application for Registration of AVID™.
Section B Vol II, pages 1-41.

The soil used in this test is classified as St. Lucie fine sand (aged beach sand) which characteristically contains less than 0.5% organic matter. The soil at the test site was amended with German peat in 1985 which raised the organic matter to 1.75%. The pH of the soil was maintained by using dolomitic limestone at 1000 lbs per acre each year.

St. Lucie sand contains no clay and for all practical purposes no silt. The low organic fraction is primarily from the German peat moss used to amend the soil.

Approved by:

Louis S. Grosso, Ph.D.
Director, Regulatory Affairs
Agricultural Research
and Development

Richard A. Dybas, Ph.D.
Senior Director
Agricultural Research
and Development

May 15, 1986

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