

Shaughnessy No.: 122804

Date Out of EAB: APR 16 1987

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

From: Akiva Abramovitch, Chief (Acting)  
Environmental Fate Review Section #1  
Exposure Assessment Branch  
Hazard Evaluation Division (TS-769C)

Attached, please find the EAB review of...

Reg./File # : 50658-EUP-1

Chemical Name: Abamectin

Type Product : Insecticide

Product Name : Avid

Company Name : Merck

Purpose : EUP for use on Citrus.

Date Received: 10/28/86

Action Code: 714

Date Completed: \_\_\_\_\_

EAB #(s) : 70045

Monitoring study requested: \_\_\_\_\_

Total Reviewing Time: 0.75 day

Monitoring study voluntarily: \_\_\_\_\_

Deferrals to: \_\_\_\_\_ Ecological Effects Branch  
\_\_\_\_\_ Residue Chemistry Branch  
\_\_\_\_\_ Toxicology Branch

1.a CHEMICAL:

Avermectin B<sub>1a</sub>  
Abamectin.

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<sub>1a</sub> and not more than 20% avermectin B<sub>1b</sub>.

1.b Physical Properties:

See earlier reports.

2. TEST MATERIAL: Not Applicable

3. STUDY/ACTION TYPE:

An EUP Request for use on Citrus.

4. STUDY IDENTIFICATION: Acc # 265590, 265593 to 265597.

5. REVIEWED BY:

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

*Akiva Abramovitch*  
Date: APR 16 1987

6. APPROVED BY:

Akiva D. Abramovitch, Acting Chief  
Environmental Chemistry Review Section 1/EAB/HED/OPP

*Akiva Abramovitch*  
Date: APR 16 1987

7. CONCLUSIONS:

EAB found all the environmental fate data adequate for the purpose of an EUP on citrus in the EAB review of May 23, 1985. EAB recommended in the review of Sept. 10, 1985 to reduce the acreage for the EUP on citrus from the proposed 4000 acres. The present request is for 3200 acres is reasonable.

A summary of the environmental fate data for the EUP is shown in the EAB review of July 11, 1984 (see attachment)

8. RECOMMENDATIONS:

EAB concurs with the proposed EUP on Citrus (see attachment for label acreage and quantities).

A note to the PM.

The present submission contain studies on foliar dislogeable residues and exposure to workers who apply abamectin and quantitative risk assessment that should be redirected to EAB later on for the purpose of registration.

9. BACKGROUND:

- A. Introduction: See EAB reviews of May 23 and Sept. 5, 1985.
- B. Directions for Use: Please see attached copy of the proposed label.

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES: N/A

11. COMPLETION OF ONE LINER:

Not completed.

12. CBI APPENDIX:

None