

122804

Shaughnessy No.: 122804

Date Out of EAB: SEP 10 1985

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 # : 50658-EUP-1

Chemical Name: Avermectin

Type Product : Insecticide

Product Name : _____

Company Name : Merck

Purpose : Amend Citrus EUP

Action Code(s): 714

EAB #(s) : 5846

Date Received: 8/13/85

TAIS Code: _____

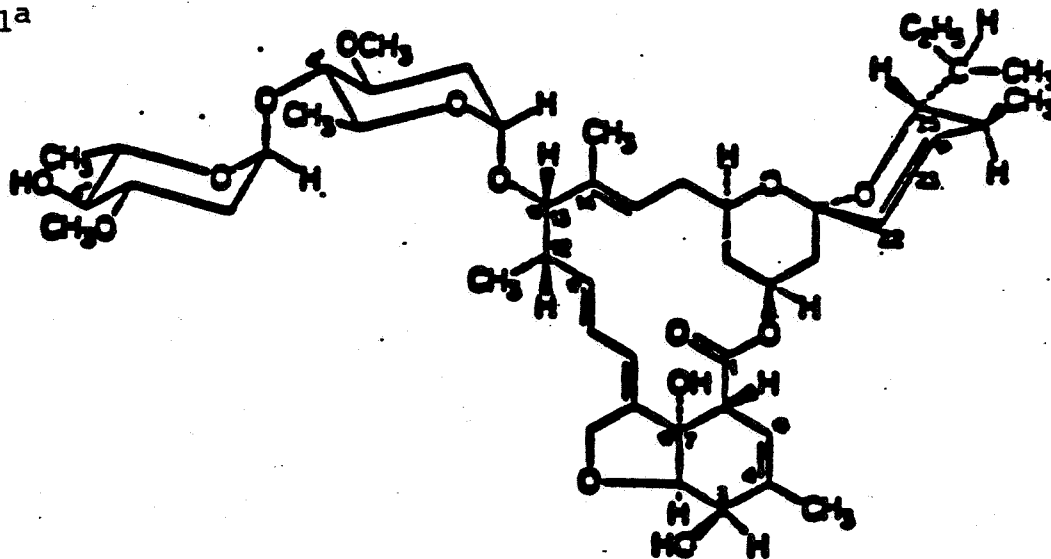
Date Completed: SEP 10 1985

Total Reviewing Time: 0.25 days

Deferrals to: _____ Ecological Effects Branch
_____ Residue Chemistry Branch
_____ Toxicology Branch

1.a CHEMICAL:

Avermectin B_{1a}
Abamectin.



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:

Amend Citrus EUP-see introduction in section 9.

4. STUDY IDENTIFICATION: Not Applicable

5. REVIEWED BY:

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

Akiva D. Abramovitch
SEP 10 1985
Date: / /85

6. APPROVED BY:

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

Samuel M. Creeger
SEP 10 1985
Date: / /85

7. CONCLUSIONS: Not Applicable

8. RECOMMENDATIONS:

Acceptance of the field dissipation study would fulfill the EAB data requirement for registration for use as a Fire Ant Insecticide (AFFIRM™). To be accepted, the registrant must provide the characteristics of the Lufkin fine sandy soil used in the study (see recent review of 9/5/85 concerning AFFIRM™ Fire Ant Insecticide.

However, for the purpose of citrus EUP, a field dissipation study is not required but will be required for registration.

We do not see the need to test 2000 gallons of product on 4000 acres. For EAB purposes, an EUP of such magnitude is not necessary and less than 100 acres would be adequate to gather the field dissipation data needed to support registration on Florida citrus.

9. BACKGROUND:

A. Introduction: Merck is requesting to amend the current EUP (50658-EUP-1) for the evaluation of abamectin in a 0.15 lb a.i./gallon Emulsifiable Concentrate Formulation as a Citrus Miticide. The request is for an additional 4000 acres and 2000 gallons of the 0.15 a.i./gallon formulation. The original EUP was considered in the March 28, 1984 evaluation.

B. Directions for Use: Please see attached copy of the proposed label.

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES: No new data submitted-see recommendation in section 8.

10.1 A. Study Identification: N/A

B. Materials and Methods:

C. Reported Results:

D. Study Author's Conclusions:

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

11. COMPLETION OF ONE LINER:

Not completed.

12. CBI APENDIX:

None

Avermectin science review

Page _____ is not included in this copy.

Pages 4 through 8 are not included in this copy.

The material not included contains the following type of information:

- ☐ Identity of product inert ingredients
 - ☐ Identity of product impurities
 - ☐ Description of the product manufacturing process
 - ☐ Description of product quality control procedures
 - ☐ Identity of the source of product ingredients
 - ☐ Sales or other commercial/financial information
 - ☒ A draft product label
 - ☐ The product confidential statement of formula
 - ☐ Information about a pending registration action
 - ☐ FIFRA registration data
 - ☐ The document is a duplicate of page(s) _____
 - ☐ The document is not responsive to the request
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The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.
