

US EPA ARCHIVE DOCUMENT

122804

Shaughnessy No.: 122804

Date Out of EAB: JAN 02 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 # : 50658-EUP-E
Chemical Name: Avermectin
Type Product : Insecticide
Product Name : _____
Company Name : Merck
Purpose : EUP for use on cotton

Date Received: 11/26/85

Action Code(s): 710

Date Completed: JAN 02 1986

EAB #(s) : 6160

days: 0.25

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

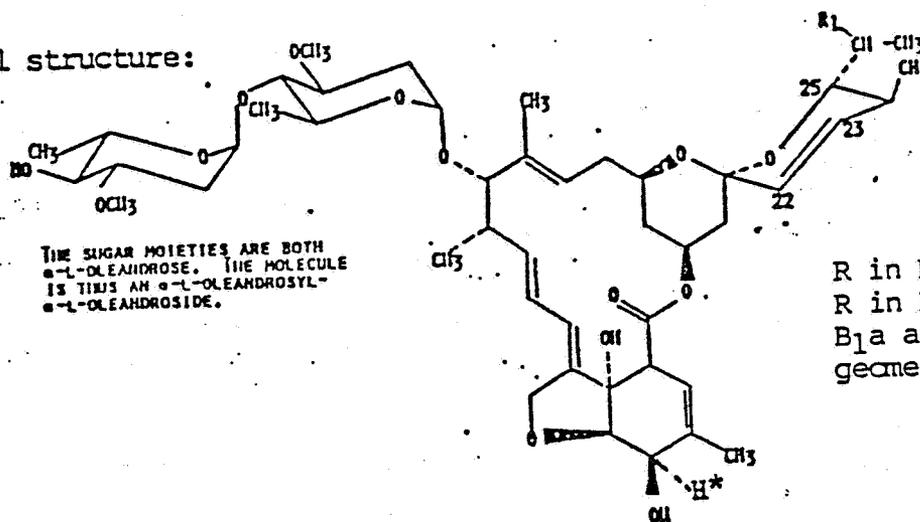
Monitoring study requested by EAB:

Monitoring study voluntarily conducted by registrant:

1.a CHEMICAL:

Avermectin B_{1a}
Abamectin.

Chemical structure:



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:
EUP for use on cotton.

4. STUDY IDENTIFICATION: Not Applicable.

5. REVIEWED BY:

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

6. APPROVED BY:

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

7. CONCLUSIONS: N/A, see section 8.

Abramovitch
Date: / /
JAN 02 1986

Sam M Creeger
Date: / /
JAN 02 1986

8. RECOMMENDATIONS:

All the environmental fate data requirements for this EUP have been fulfilled (see recent EAB reviews of 8/28/85, 9/9/85, 9/10/85 and 11/4/85 with regard for use as a Fire Ant Insecticide AFFIRM™).

However, for the purpose^{of} this cotton EUP, a field dissipation study on cotton is not required but will be required for registration.

We do not see the need to test the product on 5000 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 cotton.

9. BACKGROUND:

A. Introduction: Merck satisfied all the data requirements for registration of Abamectin for use in AFFIRM as a Fire Ant Insecticide. The present submission is for an EUP on cotton. The request is for spraying 187.5 pounds of Abamectin on 4000 acres in 14 states (0.02 lb/acre/application).

B. Directions for Use: Please see attached copy of the proposed label. Each gallon contains 0.15 pounds of the active ingredient abamectin (2%). The proposed use is for 0.02 pounds per acre (per application?) for a maximum of three applications per year.

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

11. COMPLETION OF ONE LINER:

A one-liner has not been initiated.

12. CBI APPENDIX:

None.

Avermectin science review

Page _____ is not included in this copy.

Pages 4 through 7 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.
