EEO REVIEW


FILE OR REG. NO. 89-FL-20

PETITION OR EXP. NO. 

DATE OF SUBMISSION January 24, 1989

DATE RECEIVED BY EFED March 2, 1989

RD REQUESTED COMPLETION DATA March 16, 1989

EEO ESTIMATED COMPLETION DATE March 16, 1989

RD ACTION CODE/TYPING OF REVIEW 510

TYPE PRODUCTS(S): I, D, H, F, N, R, S Acaricide (miticide)

MRID NO(S). 

PRODUCT MANAGER NO. D. Stubbs (41)

PRODUCT NAME(S) Agri-Mek 0.15 EC, Avermectin

COMPANY NAME State of Florida

SUBMISSION PURPOSE Section 18 for use on strawberries

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<th>SHAUGHNESSEY NO.</th>
<th>CHEMICAL AND FORMULATION</th>
<th>% A.I.</th>
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<td>128804</td>
<td>Avermectin</td>
<td>15%</td>
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ECOLOGICAL EFFECTS BRANCH REVIEW

Emergency Use Application
(Section 18)
Avermectin
Agri-Mek 15 EC

100. REASON FOR APPLICATION:

100.1 Nature and Scope of the Emergency:

Applicant and Request- Doyle Conner, Commissioner
Florida Department of Agriculture and Consumer Services
The Capitol
Tallahassee 32301

Description of the Pesticide Problem- A Section 18 permit is requested use Agri-Mek 15 EC to control spider mites on strawberries in Florida. Registered pesticides for control of mites on strawberries in Florida have either been banned or lack efficacy. The spider mite populations have increased because of warm weather.

Alternatives- "Of the ten products currently registered for this use, lack of efficacy eliminates five: malathion, diazinon, naled, methyl parathion and parathion. ... Of the other five products only two are used in any significant quantities: fenbutation-oxide and propargite. Each of these compounds are limited in efficacy under high pest pressure: fenbutation-oxide because of the 8 lbs. of ai per acre limitation per crop season and propargite use limitations during harvest which preclude effective mite control ... Mevinphos and dicofol success is limited by resistant populations ... Safer soap has resulted in crop phytotoxicity*.

100.2 Target Organisms:
Two spotted spider mite Tetranynchus urticae

100.3 Date and Duration of the Treatment:
The permit would start when EPA grants it and continue until December 31, 1989.

100.4 Application Methods, Directions and Rates:
Spraying would begin when the five mites per trifoliated leaf level is reached. Spraying would be done with conventional ground equipment. *Applications at 0.02 lb ai can be made at 7 day intervals not to exceed a maximum of 0.08 lb ai per acre growing season (64 fl oz pr acre per season)*. It will not be used during the three days before harvest.
102.2 Adequacy of Labeling:

The labeling incorporates recent changes and is sufficient.

103. CONCLUSIONS:

At this time we believe that the proposed emergency use of Agri-Mek 0.15 EC may result in acute and chronic effects to nontarget species. Due to insufficient information, EEB is not able to do a complete hazard evaluation for this §18 request until these trials have been completed and evaluated.

104. REVIEWED BY:

James J. Goodyear  
Biologist, Section 1  
Ecological Effects Branch  
Environmental Fate and Effects Division (H7507C)

Signature: 
Date: March 28, 1989

105. APPROVED BY:

Raymond W. Matheny  
Head, Section 1  
Ecological Effects Branch  
Environmental Fate and Effects Division (H7507C)

Signature:  
Date: 3/28/89

James W. Akerman  
Branch Chief  
Ecological Effects Branch  
Environmental Fate and Effects Division (H7507C)

Signature:  
Date: 3/31/89