

Date Out EFB:

JAN 19 1983

TO: Hank Jacoby
Product Manager 21
TS-767

FROM: Emil Regelman,
Acting Chief
Review Section No. 1
Environmental Fate Branch
Hazard Evaluation Division

QR

Attached please find the environmental fate review of:

Reg./File No.: 3125-283

Chemical: Fenamiphos

Type Product: Insecticide/nematicide

Product Name: Nemacur 3 Emulsifiable

Company Name Mobay

Submission Purpose: Review of new use on pineapples

ZBB Code: Other ACTION CODE 335

Date in: 1/7/83 EFB # 137

Date Completed: 1/18/83 TAIS (level II) Days

63 0.25

Deferrals To:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

2 pages with Attachment (1 page)

1.0 INTRODUCTION

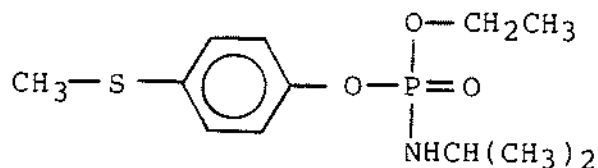
Mobay Chemical Co., has submitted an application for registration of Nemacur, an insecticide/nematicide for use on pineapples.

1.1 Chemical

Common name: Nemacur

Chemical name: Ethyl-4-(methylthio)-m-tolyl-isopropyl-phosphoramidate

Chemical structure:



2.0 DIRECTIONS FOR USE

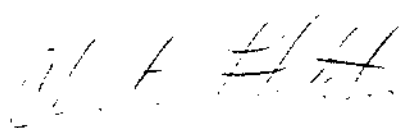
Use directions are appended to this review.

3.0 DISCUSSION OF DATA

In previous reviews (9/18/81, 7/27/82, 11/23/82), EFB noted a data deficiency (photolysis study) which remains unresolved. EFB cannot complete the review of the environmental fate of nemacur.

4.0 RECOMMENDATION

EFB cannot concur with the proposed additional use until the requisite photolysis study has been submitted, reviewed and found satisfactory.


Clinton Fletcher
Review Section no. 1
Environmental Fate Branch
Hazard Evaluation Division

U.S. LABEL

Reason to Issue: To add use on pineapple in Hawaii only.

Date of Draft: 12/1/82 (Pre-Reg) (H)

Supersedes Pre-Reg Draft Dated: 5/6/77

9/20/76 Draft: To revise and correct "Remarks." 11/12/76

Draft: To delete pre-plant uses for NEMACUR and limit to 20 lbs. a.i./acre/crop season.

5/6/77 Draft: Revise as required by EPA. 12/1/82 Draft:

Product Development revision.

EPA Reg. No. 3125-283

® NEMACUR 3

Emulsifiable Nematicide

ACTIVE INGREDIENT:

Ethyl-3-methyl-4-(methylthio)phenyl
(1-methylethyl) phosphoramidate 35%

AMENDMENT

To Previously Registered Labeling

ADD THE FOLLOWING:

RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
Pineapple (Hawaii only)	Nematodes (<u>Rotylenchus</u> <u>lus</u> and <u>Meloidogyne</u> species)	1-1/3 to 8 pints	<p><u>POSTPLANT APPLICATION:</u></p> <p>- <u>PLANT CROP.</u> Apply specified dosage in 50 to 250 gallons of water per acre as a broadcast spray or through drip irrigation. Applications may begin immediately after planting. Make additional applications at intervals of 1 to 3 months as needed. Do not apply within 30 days before harvest.</p> <p>Do not apply more than a total of 13.3 gallons of NEMACUR 3 per acre per plant crop.</p> <p>- <u>RATOON CROP.</u></p> <p>Apply specified dosage in 50 to 250 gallons of water per acre as a broadcast spray or through drip irrigation. The first application may be made immediately following crop harvest. Make additional applications at intervals of 1 to 3 months as needed. Do not apply within 30 days before harvest.</p> <p>Do not apply more than a total of 6.7 gallons of NEMACUR 3 to each ratoon crop.</p>