

US EPA ARCHIVE DOCUMENT

Shaunessey No. 100601

Date Out EFB: **MAR 29 1983**

To: Jacoby  
Product Manager 21  
Registration Division (TS-767)

From: Emil Regelman, (Acting) Chief  
Review Section No. 1  
Environmental Fate Branch  
Hazard Evaluation Division (TS-769)

**OFFICE COPY**

Attached please find the environmental fate review of:

Reg./File No: 3125-236

Chemical: Fenamiphos

Type Product: Nematicide

Product Name: NEMACUR 15% G

Company Name: Mobay

Submission Purpose: New Uses - Tobacco and non-bearing apples, cherries,  
and peaches

ZBB Code: other

ACTION CODE: 316

Date in: 2/7/83

EFB # 194,195

Date completed: 3/25/83

Tais (level II) Days

63 0.50

Deferrals To:

Ecological Effects Branch

Residue Chemistry Branch

Toxicology Branch

*2 pages w/attachment 3 page DRAFT LABEL*

## 1.0 INTRODUCTION

Mobay requests the additional uses of the nematicide NEMACUR® 15% Granular [ethyl 3-methyl-4-(methylthio)phenyl (1-methylethyl) phosphoramidate] on tobacco and non-bearing apples, cherries and peaches. No new environmental chemistry data are submitted.

## 1.1 Structure

See previous reviews.

## 2.0 DIRECTIONS FOR USE

See attached label.

## 3.0 DISCUSSION

On July 5, 1978 EFB concurred with a request to amend the registration of NEMACUR 10 G, NEMACUR 15 G, and NEMACUR 3 E to include tobacco not rotated to other crops. On June 27, 1978 EFB concurred with a request to amend the registration of NEMACUR 10 G to include non-bearing apples, cherries, and peaches. The amended registrations were not granted.

Subsequent to these concurrences (9/18/81), EFB noted a data deficiency (photolysis study) which remains unresolved despite repeated requests (7/27/82, 11/23/82, 1/18/83). EFB cannot complete the review of the environmental fate of NEMACUR without this information.

## 4.0 RECOMMENDATION

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

*Norma Kay Whetzel*

Norma Kay Whetzel  
March 25, 1983  
Review Section No. 1  
Environmental Fate Branch  
Hazard Evaluation Division

U.S. LABEL

Reason to Issue: To propose use on non-bearing fruit trees. 7/27/76 Draft: To revise geographical restriction; limit use to apples, peaches and cherries. 11/4/76 Draft: To restrict use of any fruit forming on treated trees for 1 year after treatment. 6/17/77 Draft: Revise as required by EPA. 4/30/79 Draft: To specify depth of incorporation and delete single tree application and geographic limitations. 1/17/83 Draft: Revise incorporation statements; add grazing restrictions and maximum dosage/year.

Date of Draft: 1/17/83 (Pre-Reg.) (H)  
Supersedes Pre-Reg. Draft Dated: 4/30/79

EPA Reg. No. 3125-236-AA

® NEMACUR

15% Granular

SYSTEMIC NEMATOCIDE

ACTIVE INGREDIENT:

Ethyl 3-methyl-4-(methylthio)phenyl  
(1-methylethyl)phosphoramidate ... 15%

AMENDMENT

To Previously Registered Labeling

Add the Following:

RECOMMENDED APPLICATIONS

<u>CROP</u>	<u>PEST</u>	<u>POUNDS NEMACUR 15% G</u>	<u>REMARKS</u>
<u>NON-BEARING FRUIT*</u>			
Deciduous Fruit Trees (apple, peach and cherry trees)	Nematodes	66.7 to 133.3	<u>BROADCAST APPLICATION:</u> Apply specified dosage per acre with equipment properly calibrated to insure uniform distribution. Immediately incorporate granules into the top 2 to 4 inches of soil following application.
		66.7 to 133.3	<u>BAND APPLICATION:</u> Apply specified dosage per <u>treated</u> acre with equipment properly calibrated to apply the product uniformly in a band covering the feeder root system of the tree. Immediately incorporate the granules into the top 2 to 4 inches of soil following application.

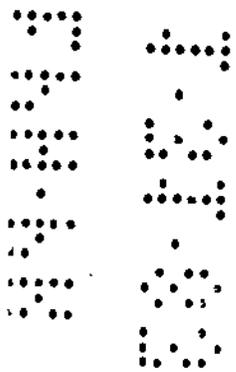
\*Non-bearing fruit trees are those that will not bear fruit for one year after application, including newly planted and established trees. Any fruit that may form on treated trees during this one-year period must be destroyed and not used for human or animal consumption.

RECOMMENDED APPLICATIONS (Continued):

Incorporation of this product may be accomplished by mechanical incorporation 2 to 4 inches deep, or by sprinkler irrigation applied immediately following application (1-2 inches of water).

Control of nematodes is best obtained when there is adequate rainfall or irrigation to move the product into the root zone.

Do not apply more than 133.3 pounds/acre per year per planting site. Do not graze livestock in treated orchards. Do not feed cover crops grown in treated orchards to livestock.



U.S. LABEL

Reason to Issue: Add claims for nematode control on tobacco. 5/14/76 Draft: To revise "Directions for Use" and "Remarks". 4/26/77 Draft: Revise "Remarks" and add "Note". 1/22/79 Draft: To revise in line with EPA comments. 1/17/83 Draft: Revised format.

Date of Draft: 1/17/83 (Pre-Reg.) (H)  
 Supersedes Pre-Reg. Draft Dated: 1/22/79

EPA Reg. No. 3125-286

® NEMACUR

15% Granular

ACTIVE INGREDIENT:

Ethyl 3-methyl-4-(methylthio)phenyl  
 (1-methylethyl)phosphoramidate ... 15%

AMENDMENT

To Previously Registered Labeling

Add the Following:

RECOMMENDED APPLICATIONS

CROP	Dosage NEMACUR 15% G LBS./ACRE	REMARKS
FIELD CROPS  Tobacco (Not for use on shade-grown tobacco)	26-2/3 to 2	Distribute the granules uniformly over the entire area to be treated and immediately incorporate to a depth of 2 to 4 inches by disking or tilling to insure uniform distribution. Where a range in rates is recommended use the high rate in fields with high populations of nematodes or in fields having a history of serious nematode damage.