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JUL 14 1986

Mobay Corporation
Agricultural Chemicals Division
P.O. Box 4913
Kansas City, MO 64120

Attention: Glenn Brussell


Gentlemen:

Subject: NemaCur 3 Emulsifiable Systemic Insecticide-Nematicide
EPA Registration No. 3125-283
Your Amendment to Revise Efficacy Claims
and Label Format Dated March 19, 1986

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted.

1. Delete the word "Corrosive" from the precautionary statements or submit data which indicate that the product is corrosive.
2. Delete "or wetlands" from the Environmental Hazard statement.

Sincerely yours,


Henry M. Jacoby
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

88237: Cool, J-9: KENCO: 6/22/86: 7/1/86: TAR: VO

CONCURRENCES

SYMBOL ▶								
SURNAME ▶								
DATE ▶								

2019

YLD26

Base Pre-Reg. (5845)

U.S. LABEL

Reason to Issue: General revision of efficacy claims and label format. 12/5/85 and 3/17/86 Drafts: revisions according to internal review comments.

Date of Draft: 3/17/86 (Pre-Reg) (H)
Supersedes Pre-Reg Draft Dated: 12/5/85

EPA Reg. No. 3125-283

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ACCEPTED
with COMMENTS
in EPA Letter Dated

[®]NEMACUR 3
EMULSIFIABLE SYSTEMIC INSECTICIDE - NEMATICIDE

JUL 14 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 3125-283

FOR EFFECTIVE CONTROL OF NEMATODES
IN CERTAIN FIELD AND FRUIT CROPS

KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 65%
100%

Contains Aromatic Petroleum Distillates

EPA Reg. No. 3125-283

Contains 3 pounds of ethyl 3-methyl-4-(methylthio)phenyl (1-methylethyl)phosphoramidate per gallon.

DANGER  POISON

See rear panel for Statements of Practical Treatment and Additional Precautionary Statements.

Do not store below 32°F. Keep in a cool, dry place. Do not use or store near heat or open flame.

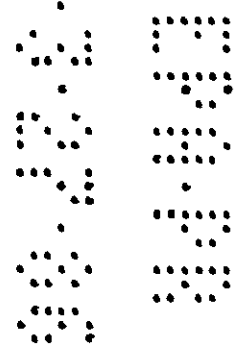
PELIGRO

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente. (TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

STOP - READ THE LABEL BEFORE USE

NET _____ GALLONS

MOBAY CORPORATION
AGRICULTURAL CHEMICALS DIVISION
Box 4913, Kansas City, MO 64120



DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT: Read these entire Directions and Conditions of Sale before using NEMACUR 3 emulsifiable systemic insecticide-nematicide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MOBAY OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

RECOMMENDED APPLICATIONS

NEMACUR 3 may be applied by ground equipment or low pressure irrigation (grapes, citrus & non-bearing deciduous fruit & nut trees & commercial tree & vine nurseries).

Ground application equipment: Unless otherwise specified, apply NEMACUR 3 in a minimum of 20 gallons per treated acre. Maintain sufficient agitation during application to insure a uniform mixture. Incorporate NEMACUR 3 immediately after application for best results.

Low Pressure Irrigation Equipment: (Including drip, strip tubing, jets, and mini-sprinklers) Begin irrigation and check emitters to insure all systems are operating normally. Make NEMACUR injection in the first 1/2 to 1/3 of a normal irrigation with an injection time of at least 30 minutes. Continue irrigation as usual.

Apply NEMACUR only through irrigation systems equipped with automatic shutoff devices and valves to prevent backflow into the water source.

In California, when this product is being applied through low pressure irrigation systems, at the entry point to the field, or if there are no obvious entry points, at every 600 feet there shall be signs posted that are readable at 25 feet that state (in English and Spanish): "DANGER! Pesticides are being applied in the water through the drip irrigation system. Do not drink water or walk on wet soil."

Instead of posting treated areas, the operator of the property may have a person present during the application period to keep bystanders, etc., from entering the application site.

Consult your State Agricultural Experiment Station, or Extension Service Specialist or Mobay representative for guidance on the selection of specific dosage rates and timing of applications appropriate for your specific crop. State regulations may contain additional restrictions or requirements. Check the remarks and restrictions sections of this label for additional directions.

NEMACUR 3

RECOMMENDED APPLICATIONS (Cont'd)

CROP	PEST	DOSAGE NEMACUR 3		REMARKS																											
		IN FURROW OR BAND FL OZS./1000 FT. OF ROW																													
FIELD CROPS																															
Cotton	Thrips (early season reduction)	2.4 to 3.3 fl. ozs. per 1000 ft. of row for any row spacing. (1 to 1-1/3 quarts per acre based on 40 inch rows).		In furrow/covering soil: Apply specified dosage per 1000 ft. of row as a spray in furrow or band in covering soil behind the seed drop and in front of covering devices.																											
	Nematodes Thrips	3.3 to 7.1 fl. oz. per 1000 ft. of row for any row spacing. (1-1/3 to 2.9 quarts per acre based on 40 inch rows).		<p>In furrow/covering soil: Apply specified dosage per 1000 ft. of row as a spray in furrow or band in covering soil behind the seed drop and in front of covering devices.</p> <p>Band: Apply specified dosage per 1000 ft. of row as a spray in a 6 to 12 inch band over the row. Incorporate thoroughly to insure uniform distribution.</p> <p><u>Suggested use rates of NEMACUR 3 in fluid oz./1000 ft. of row based on nematode infestation levels:*</u></p> <table><tr><th>Bandwidth</th><th>Low</th><th>Moderate</th><th>High*</th></tr><tr><td>In furrow</td><td>3.3</td><td>4.0</td><td>4.8</td></tr><tr><td>In covering soil</td><td>3.3</td><td>4.0</td><td>4.8</td></tr><tr><td>6 inch band</td><td>3.3</td><td>4.0</td><td>4.8</td></tr><tr><td>8 inch band</td><td>4.0</td><td>4.8</td><td>5.7</td></tr><tr><td>10 inch band</td><td>4.4</td><td>5.2</td><td>6.4</td></tr><tr><td>12 inch band</td><td>4.8</td><td>5.7</td><td>7.1</td></tr></table> <p>*Use the highest recommended rates in fields with a history of nematode problems.</p>	Bandwidth	Low	Moderate	High*	In furrow	3.3	4.0	4.8	In covering soil	3.3	4.0	4.8	6 inch band	3.3	4.0	4.8	8 inch band	4.0	4.8	5.7	10 inch band	4.4	5.2	6.4	12 inch band	4.8	5.7
Bandwidth	Low	Moderate	High*																												
In furrow	3.3	4.0	4.8																												
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8 inch band	4.0	4.8	5.7																												
10 inch band	4.4	5.2	6.4																												
12 inch band	4.8	5.7	7.1																												
Cotton (California only)	Nematodes Thrips	9.8 fl. oz. per 1,000 ft. of row or 4.0 qts. per acre based on 40" rows. Do not exceed 4 qts. per acre regardless of row spacing.		<p><u>SOIL INJECTION APPLICATIONS:</u></p> <p>Apply specified dosage in a water emulsion or with liquid fertilizer through 2 or more injection shanks centered on the seed row covering an 18" band. Plant crop in usual manner.</p>																											

IMPORTANT: Do not overlap bands on narrow row crops. Do not feed or graze cotton foliage. Under very heavy thrip pressure additional control measures may be needed.

¹The action of some planters during planting operation may provide adequate incorporation. When using planters which do not disturb enough soil for incorporation or under dry conditions, additional incorporation can be achieved with scratchers, paddlewheels, ground driven rototillers or similar equipment behind the planter.

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NEMACUR 3

RECOMMENDED APPLICATIONS (Cont'd)

CROP	PEST	DOSAGE NEMACUR 3	REMARKS																												
		IN FURROW OR BAND FL OZS./1000 FT. OF ROW																													
FIELD CROPS (Cont'd)																															
Soybeans (Except California)	Nematodes	3.2 to 8.7 fl. oz. per 1000 ft. of row for any row spacing. (1-1/2 to 4 quarts of NEMACUR 3 per acre based on 36 inch rows).	<p>In furrow/covering soil: Spray specified dosage in fluid ounces per 1000 ft. of row in furrow or band in covering soil behind the seed drop in front of the covering devices.</p> <p>Band: Spray specified dosage per 1000 ft. of row in a 6 to 12 inch band over the row. Incorporate thoroughly to insure uniform distribution.</p> <p><u>Suggested use rate of NEMACUR 3 in fluid ounces/1000 ft. row based on nematode infestation levels:</u></p> <p><u>Nematode Infestation Levels</u></p> <table> <tr> <th>Application</th><th>Low</th><th>Moderate</th><th>High*</th></tr> <tr> <td>In furrow</td><td>3.2</td><td>4.4</td><td>5.6</td></tr> <tr> <td>In covering soil</td><td>3.2</td><td>4.4</td><td>5.6</td></tr> <tr> <td>6 inch band</td><td>3.2</td><td>4.8</td><td>5.9</td></tr> <tr> <td>8 inch band</td><td>4.0</td><td>4.8</td><td>6.4</td></tr> <tr> <td>10 inch band</td><td>4.8</td><td>5.6</td><td>7.1</td></tr> <tr> <td>12 inch band</td><td>5.6</td><td>6.4</td><td>8.7</td></tr> </table> <p>*Includes fields with a history of nematode problems.</p> <p>NOTE: Do not overlap bands on narrow row crops. Do not feed or graze soybean vines. When NEMACUR is applied to soybeans, crop injury from propanil drift may be intensified. Use NEMACUR only as a band application when metribuzin is used for control of weeds.</p>	Application	Low	Moderate	High*	In furrow	3.2	4.4	5.6	In covering soil	3.2	4.4	5.6	6 inch band	3.2	4.8	5.9	8 inch band	4.0	4.8	6.4	10 inch band	4.8	5.6	7.1	12 inch band	5.6	6.4	8.7
Application	Low	Moderate	High*																												
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The action of some planters during planting operation may provide adequate incorporation. When using planters which do not disturb enough soil for incorporation or under dry conditions, additional incorporation can be achieved with scratchers, paddlewheels, ground driven rototillers or similar equipment behind the planter.

RECOMMENDED APPLICATIONS (Cont'd)

CROP	PEST	DOSAGE NEMACUR 3		REMARKS
		BAND: FL. OZS./ 1000 Ft. of Row	BROADCAST: GALLONS/ACRE	
FIELD CROPS (Cont.'d)				FOR BAND OR BROADCAST APPLICATION
Soybeans (California only)	Nematodes	3 to 11 fl. oz. for any row spacing (or 1.3 to 5 quarts per acre on 36-inch rows)	1.3 to 2 gallons	BAND: Apply specified dosage in fluid ounces per 1000 ft. of row as a water emulsion spray in a 12 to 18 inch band over the row. Use sufficient water and incorporate thoroughly to insure uniform distribution. ON NARROW ROW CROPS, DO NOT ALLOW BANDS TO OVERLAP.
Peanuts	Nematodes Thrips (early season reduction)	4.5 to 7.3 fl. ozs. for any row spacing (or 2 to 3.3 quarts per acre on 36 inch rows)	1 to 1.7 gallons	BROADCAST: Apply as a water emulsion spray over the entire area to be treated, using sufficient water and thorough incorporation to insure uniform distribution. Plant crop in the usual manner. General Use the high rate in fields with high populations of nematodes or in fields having a history of serious nematode damage. NOTE: When NEMACUR is applied to soybeans, crop injury from propanil drift may be intensified. For both band and broadcast applications do not feed or graze soybean vines, green peanut vines or peanut vine hay. Do not hog down treated peanut fields.

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RECOMMENDED APPLICATIONS (Cont'd)

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
<u>FIELD CROPS (Cont'd)</u>			
Tobacco (Not for use on shade-grown tobacco)	Nematodes	1-1/3 to 2 gallons	Uniformly broadcast the specified dosage in a minimum of 20 gallons of water per acre over the soil surface. Incorporate to a depth of 2 to 4 inches by disking or tilling. Use the high rate in fields with high populations of nematodes or in fields having a history of serious nematode damage. Plant crop in the usual manner.
	Tobacco cyst nematodes	2 gallons	

NEMACUR 3 can be tank mixed with fungicides, herbicides and insecticides registered and recommended for use on tobacco. Observe all cautions and limitations on labeling of all products used in tank mixtures.

FRUIT

Apple
Cherry
Peach

Nematodes	3-1/3 to 6-2/3 gallons	<u>BROADCAST APPLICATION:</u> Apply specified dosage in not less than 20 gallons of water per acre as a spray to the soil surface. Incorporate immediately 2 to 4 inches deep.
		<u>BAND APPLICATION:</u> Apply proportionally less product per acre based on band width as a spray to the soil surface with equipment properly calibrated to apply the product in a band covering the feeder root system of the tree. (Example: To treat trees planted on 20 foot centers with a 10 foot band centered on the row, apply one-half of the broadcast rate). Incorporate immediately 2 to 4 inches deep.

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 after application to move the product into the root zone.

NEMACUR 3 may be tank mixed with herbicides registered and recommended for orchard weed control. Observe all cautions and limitations on labeling of all products used in mixtures.

Do not apply within 72 days of harvest of apples or within 45 days of harvest of peaches and cherries. Do not apply more than 6-2/3 gallons/acre (broadcast rate) per year per planting site. Do not graze livestock in treated orchards. Do not feed cover crops grown in treated orchards to livestock.

Special Precautions Avoid contacting tree foliage with the spray mixture.

Do not add oils or surfactants to the spray mixture. Do not allow spray or drift to contact operator.

On non-bearing apple cherry and peach make initial applications when trees have recovered from transplanting shock and have initiated new growth, provided that one or more irrigations have been applied and soil has settled around the roots. Phytotoxicity may occur if applications are made before soil has settled and plants are growing.

NEMACUR 3

RECOMMENDED APPLICATIONS (Continued)

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
<u>FRUIT (Cont'd)</u>			
Grapes	Nematodes	6 gallons	<u>Broadcast:</u> Apply specified dosage in not less than 20 gallons of solution per acre to the soil with ground equipment and incorporate immediately.*
		3 gallons	<u>Band:</u> Apply specified dosage in not less than 10 gallons of solution per acre to the soil with ground equipment and incorporate immediately.* Center the treated band on the vine row using a band width of 50% of the row spacing.
		1 qt. to 1 gallon	<u>LOW PRESSURE IRRIGATION:</u> Apply the specified dosage per acre in one or more applications using a minimum of 1 gallon and a maximum of 2 gallons of NEMACUR 3 per acre per season.

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

RESTRICTIONS: On bearing grapes, the last application may be made up to 2 days of harvest. Do not apply more than 6 gallons of NEMACUR 3 (18 pounds active ingredient) per acre in one season (6 gallons per acre broadcast, 3 gallons per acre in a 50% band or 2 gallons per acre by low pressure irrigation). Do not graze or feed treated crop to livestock.

On non-bearing grapes, make initial applications when vines have recovered from transplanting shock and have initiated new growth, provided that one or more irrigations have been applied and soil has settled around the roots. Phytotoxicity may occur if applications are made before soil has settled and plants are growing.

NEMACUR 3

RECOMMENDED APPLICATIONS (Cont'd)

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
FRUIT (Cont'd)			
Citrus (Arizona, California and Texas only) (In California do not apply to Kumquat, Tangelo, or Citrus hybrids)	Nematodes	6-2/3 gallons	<p>BROADCAST: Apply specified dosage in not less than 20 gallons of solution per acre to the soil with ground equipment and incorporate immediately.*</p> <p>BAND: Apply proportionally less product per acre based on band width** with ground equipment and incorporate immediately*. Center the treated band on the tree row using a minimum band width of "to the drip line".</p> <p>LOW PRESSURE IRRIGATION: Apply proportionally less product per acre per season based on the area wetted**. This rate per season may be applied in a single application or multiple applications.</p>
<p>*Incorporate the product into the soil or supply sufficient irrigation for incorporation. Control of nematodes is best obtained when there is adequate rainfall or irrigation after application. Under dry conditions, follow with 1/2 to 1 inch of irrigation.</p> <p>**Example: To treat trees planted on 20 foot centers with a 10 foot band centered on the row or 50% of the surface area wetted by low pressure irrigation, apply one-half of the broadcast rate.</p> <p>Do not apply within 30 days of harvest of grapefruit nor within 180 days of harvest of other citrus fruits.</p> <p>Do not exceed 20 pounds active ingredient (6 2/3 gallons of NEMACUR 3) per acre per season (broadcast rate). Do not graze livestock in treated areas.</p> <p>On non-bearing citrus make initial applications when trees have recovered from transplanting shock and have initiated new growth, provided that one or more irrigations have been applied and soil has settled around the roots. Phytotoxicity may occur if applications are made before soil has settled and plants are growing.</p>			

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RECOMMENDED APPLICATIONS (Cont'd)

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
<u>FRUIT (Cont'd)</u>			
Pineapple (Hawaii only)	Nematodes (<u>Rotylen-</u> <u>chulus</u> and <u>Meloido-</u> <u>gyne</u> species)	1-1/3 to 8 pints (1 gallon)	<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. Do not use green forage or green fodder (cannery waste, such as cull fruit, fruit skin or shells, crowns, cores and basal ends of fruit may be fed) for animal feed.</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. Do not use green forage or green fodder (cannery waste, such as cull fruit, fruit skin or shells, crowns, cores and basal ends of fruit may be fed) for animal feed.</p> <p>Do not apply more than a total of 6.7 gallons of NEMACUR 3 to each ratoon crop.</p>

RECOMMENDED APPLICATIONS (Continued)

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
FRUIT (Cont'd)			
Pineapple* (Puerto Rico only)	Nematodes	13-1/3 to 26-2/3 pints	<p>POSTPLANT BROADCAST APPLICATION:</p> <p>- PLANT CROP Apply specified dosage (5 to 10 lbs. active ingredient) in 50 to 250 gallons of water per acre as a broadcast spray. Begin applications 1 to 3 months after planting. Make additional applications at intervals of 3 to 6 months as needed. Do not apply within 7-1/2 months before harvest.</p> <p>NOTE: A preplant soil application using NEMACUR 15% Granular or a soil fumigant according to label directions should be made in addition to post-plant broadcast applications of NEMACUR 3.</p> <p>- FIRST RATOON CROP Apply specified dosage in 50 to 250 gallons of water per acre as a broadcast spray. Make the first application immediately following crop harvest. Make additional applications at intervals of 3 to 6 months as needed. Do not apply within 7-1/2 months before harvest.</p> <p>Do not apply more than a total of 20 lbs. active ingredient per acre per crop season regardless of the formulation or method of application. Do not use forage or fodder for animal feed.</p> <p>*NEMACUR 3 emulsifiable nematicide has shown excellent activity against the major genera of nematodes infesting pineapple plants. When applied as a broadcast spray after planting, NEMACUR protects young developing root systems. For best results, applications should be made when plants are actively growing.</p>
Raspberry (Except California)	Nematodes	2 to 4 gallons	Apply specified dosage per acre as a broadcast spray to established plantings during the period October 1 to December 31 when adequate rainfall can be expected. Apply in sufficient water to insure uniform distribution (15 to 100 gal. of spray mixture per acre). Direct spray to the soil surface and the base of the plant. Do not apply within six months of harvest. Do not apply more than once per year. Use the high rate in fields with high populations of nematodes or in fields having a history of serious nematode damage.

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RECOMMENDED APPLICATIONS (Cont'd)

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
FRUIT (Cont'd)			
NON-BEARING* Deciduous fruit & nut trees & commercial tree & vine nurseries	Nematodes	6 gallons	<p><u>Broadcast:</u> Apply specified dosage in not less than 20 gallons of solution per acre to the soil with ground equipment and incorporate immediately**.</p> <p><u>Band:</u> Apply proportionally less product per acre based on band width*** with ground equipment and incorporate immediately.** Center the treated band on the tree row using a minimum band width of "to the drip line".</p> <p><u>LOW PRESSURE IRRIGATION:</u> Apply proportionally less product per acre per season based on the area wetted***. This rate per season may be applied in a single application or multiple applications.</p>

Make initial applications when plants have recovered from transplanting shock and have initiated new growth, provided that one or more irrigations have been applied and soil has settled around the roots. Phytotoxicity may occur if applications are made before soil has settled and plants are established.

Do not exceed 18 pounds active ingredient (6 gallons of NEMACUR 3) per acre per season (broadcast rate).

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

**Incorporate the product into the soil or supply sufficient irrigation for incorporation. Control of nematodes is best obtained when there is adequate rainfall or irrigation after application. Under dry conditions, follow with 1/2 to 1 inch of irrigation.

*** Example: To treat trees planted on 20 foot centers with a 10 foot band centered on the row or 50% of the surface area wetted by low pressure irrigation, apply one-half of the broadcast rate.

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NEMACUR 3

RESTRICTIONS

Do not use on other crops. Use only according to label directions.

Any food crop not specified on this label may be planted into treated areas 120 days after the last application. Any cover crops that are planted during the 120 day period must be plowed under and not grazed.

RE-ENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Mixer-loaders must wear protective coveralls, rubber or neoprene boots, rubber or neoprene gloves, and goggles or face shields when handling this product. Any person coming in direct contact with treated water, and/or treated soil prior to incorporation or irrigation, or with treated wet soil after the initial irrigation, must wear protective coveralls, rubber or neoprene boots, and rubber or neoprene gloves. Wash thoroughly with soap and water after handling and before eating or smoking.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

(The following may appear on supplemental labeling accompanying the product)
Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings should include those statements found under the label headings "Precautionary Statements" and "Re-entry Statements" included on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: DANGER, area treated with NEMACUR 3 on (date of application). See "Re-entry Statements" for use of proper protective clothing.
If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes.
If swallowed, vomiting should be induced. (See Precautionary Statements on label).

STORAGE AND DISPOSAL

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Do not store below 32°F. Do not store near heat or open flame. Store in original container and out of the reach of children, preferably in a locked storage area.

NEMACUR 3

Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER



POISON

Fatal if swallowed or absorbed through the skin. Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Do not get in eyes, on skin or on clothing. Wear protective clothing, rubber gloves, and goggles or face shield when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before re-use.

Do not breathe vapor or spray mist. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and by the National Institute for Occupational Safety and Health.

Do not contaminate feed or food. Keep out of reach of children. Keep all unprotected persons out of the operating area or vicinity.

HANDLING OF CONTAMINATED ARTICLES: Clothing and rags receiving undiluted NEMACUR 3 as a result of leaks, spills, or mishaps should be removed immediately and not reused. These contaminated articles should be buried in the same manner as the empty container: see container disposal section for directions. (Contaminated articles which should be discarded would include: hats, gloves, aprons, coats, boots, etc. not made of rubber or coated with rubber or other similar materials). Clothing receiving spray mist or droplets from the mixed, diluted NEMACUR 3 should be removed and decontaminated before reuse. This clothing can be decontaminated by machine washing separately from other items with soap or detergent and bleach in hot water twice before reuse. Protective clothing and equipment should be washed down with detergent or soap and bleach in water. Wash water from the cleaning of protective clothing or equipment should not be allowed to run off or otherwise enter water supplies.

SYMPTOMS OF POISONING: A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

150F19

NEMACUR 3

STATEMENTS OF PRACTICAL TREATMENT

In case of poisoning, call a physician immediately. Have patient lie down and keep quiet. If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth.

TO PHYSICIAN:

ANTIPOTE - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish, birds and other wildlife. Do not apply directly to water or wetlands. Do not apply when weather conditions favor drift from target area. Do not contaminate water by cleaning of equipment or disposal of wastes.

NEMACUR is a Reg. TM of the Parent Company of Farbenfabriken Bayer GmbH, Leverkusen.

160119

U.S. LABEL.

Reason to Issue: To add claims for preplant application to pineapple (Hawaii only). Date of Draft: 6/19/85 (Pre-Reg) (H)

EPA Reg. No. 3125-283

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ACCEPTED**JUN 17 1986**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 3125-283

® NEMACUR 3

Emulsifiable Systemic Insecticide-Nematicide

ACTIVE INGREDIENT:

Ethyl 3-methyl-4-(methylthio)phenyl

(1-methylethyl)phosphoramidate 35%

AMENDMENT TO PREVIOUSLY REGISTERED LABELING

Revise to Read as Follows:

RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
Pineapple (Hawaii only)	Nematodes (<u>Rotylenchulus</u> and <u>Meloidogyne</u> species)	<u>Preplant</u> 6 2/3 gal	<p><u>PREPLANT APPLICATION:</u></p> <p>Apply the specified dosage per acre as a water emulsion spray over the entire area to be treated. Incorporate thoroughly to a depth of 4 to 6 inches to insure uniform distribution.</p> <p>Additional postplant applications may be made to the plant crop at 1 to 3 month intervals by broadcast spray or drip irrigation equipment as indicated below. However, do not apply more than a total of 13 1/3 gallons of NEMACUR 3 (40 pounds of active ingredient) per acre per plant crop.</p>

RECOMMENDED APPLICATIONS (Continued)

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
Pineapple (Hawaii only)	Nematodes (<u>Rotylenchulus</u> and <u>Meloidogyne</u> species)	<u>Postplant</u> 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 1/3 gallons of NEMACUR 3 (40 pounds of active ingredient) 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 2/3 gallons of NEMACUR 3 (20 pounds of active ingredient) per acre to each ratoon crop.</p>

Do not use green forage or green fodder (cannery waste, such as cull fruit, fruit skin or shells, crowns, cores and basal ends of fruit may be fed) for animal feed.

180F 19

YLD28

U.S. LABEL

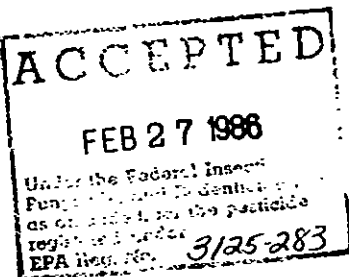
Reason to Issue: To further define dilution rates; change "good" root systems to "secondary" root systems.

Date of Draft: 10/24/85 (Pre-Reg) (S)

EPA Reg. No. 3125-283

RESTRICTED USE PESTICIDE

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® NEMACUR 3
TURF NEMATICIDE

ACTIVE INGREDIENT:

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

REVISE AS FOLLOWS:

AMENDMENT TO PREVIOUSLY REGISTERED LABELING

RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE NEMACUR 3 TURF NEMATICIDE	REMARKS
Turf Grasses FOR USE ON GOLF COURSES	Nematodes	9 to 12 fl ozs per 1000 square feet or 3 to 4 gal/acre	Apply specified dosage in a <u>minimum of 1/2</u> <u>gallon of water per 1000 sq. ft. (approx. 20</u> <u>gallons per acre)</u> to provide uniform distribution. Irrigate immediately after treatment using a minimum of 1/2 inch of water. Do not treat newly seeded areas until the plants have developed <u>secondary</u> root systems. Do not apply more than twice per year. Do not use on residential lawns or public recreational areas other than golf courses.

ALL COPY EXCEPT THAT WHICH IS UNDERSCORED HAS BEEN PREVIOUSLY REGISTEED.

190F19

YLD16

U.S. LABEL

Reason to Issue: To revise PHI for grapefruit. 9/18/85 Draft: change grapefruit PHI to 30 days as required by EPA.

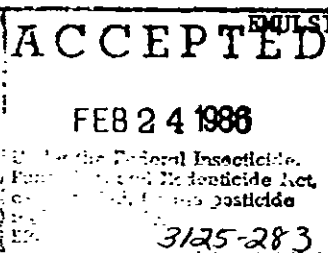
Date of Draft: 9/18/85 (Pre-Reg) (H)
Supersedes Pre-Reg Draft Dated: 3/63/85

EPA Reg. No. 3125-283

RESTRICTED USE PESTICIDE

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® NEMACUR 3



EQUIVALENT SYSTEMIC INSECTICIDE - NEMATICIDE

ACTIVE INGREDIENT:

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

AMENDMENT TO PREVIOUSLY REGISTERED LABELING

Revise to Read as Follows:

RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE OF NEMACUR 3	REMARKS
Citrus	Nematodes	3-1/3 to 6-2/3 gallons	<p>BROADCAST: Apply specified dosage in not less than 20 gallons of water per acre as a water emulsion broadcast spray to the soil surface.</p> <p>BAND: Apply proportionally less product per acre based on band width. (Example: To treat trees planted on 20 foot centers with a 10 foot band centered on the row, apply one-half of the broadcast rate). Center the treated band on the tree row using a minimum band width of "to the drip line".</p> <p>Immediately after application, incorporate the product into the soil to a depth of 2 to 3 inches or apply sufficient irrigation for incorporation.</p> <p>Under dry conditions, follow with 1/2 inch of irrigation.</p> <p>Do not apply more than once per season <u>nor within 30 days of harvest of grapefruit, nor within 60 days of harvest of other citrus fruits.</u> Do not graze livestock in treated areas.</p>

THE LABEL TEXT ABOVE, EXCEPT THAT UNDERLINED, IS CURRENTLY REGISTERED.