

3125-283

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RESTRICTED USE PESTICIDE

Due to High Acute Toxicity and Toxicity to Wildlife

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.

Nemacur® 3 Turf

Nematicide

For effective control of nematodes on turfgrasses, and nematodes on leatherleaf fern.

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 65%
100%

Contains Aromatic Petroleum Distillates

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

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

EPA Reg. No. 3125-283

Net: ___ Gallons

STOP - Read The Label Before Use.

Keep out of reach of children.

POISON

DANGER



PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

ACCEPTED

OCT 7 2002

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

FIRST AID

Contains an organophosphate that inhibits cholinesterase.

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.
- Call a poison control center or doctor immediately for further advice.
- Do not give anything by mouth to an unconscious person.

If on skin or clothing

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

If in eyes

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

If inhaled

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

In case of emergency call toll free the Bayer Kansas City Emergency Response Telephone No. 800-414-0244. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

Note To Physician: ANTIDOTE - 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.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Fatal if swallowed or absorbed through the skin. Causes irreversible eye damage. May be fatal if inhaled. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Do not contaminate feed or food.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are barrier laminate and viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Mixers, loaders, and applicators using engineering controls must wear:

- long-sleeved shirt and long pants,
- shoes plus socks.

In addition, mixers and loaders must wear:

- chemical-resistant gloves,
- chemical-resistant apron.

Mixers, loaders, applicators, and handlers performing tasks for which engineering controls are not feasible must wear:

- coveralls over long-sleeved shirt and long pants,
- chemical-resistant gloves,
- chemical-resistant footwear plus socks,
- chemical-resistant headgear if overhead exposure,
- chemical-resistant apron.
- A NIOSH-approved respirator with an organic vapor (OV) cartridge or canister with any N, R or P or He prefilter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements: When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS:

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Do not use mist sprayers. Use only coarse sprays directed at soil to eliminate spray drift.

Aerial application of this product is prohibited.

Ground Water Advisory: Fenamiphos is known to leach through soil and has been found in ground water as a result of agriculture use. Users are advised not to apply in areas where soils are permeable, particularly where ground water is used for drinking water. Consult with the pesticide state lead agency for information regarding soil permeability and aquifer vulnerability in your area.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

Exception: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated areas without the 48-hour restriction if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls worn over long-sleeve shirt and long pants,
- chemical-resistant gloves made of any waterproof material,
- chemical-resistant footwear plus socks, and
- chemical-resistant headgear (if overhead exposure)

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated area.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not allow reentry into treated areas until areas are dry following irrigation after application unless appropriate protective clothing is worn.

IMPORTANT: Read these entire Directions and Conditions of Sale before using NEMACUR 3 Turf 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. BAYER 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 BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

NEMACUR 3 has shown excellent activity against the major genera of nematodes attacking turfgrasses. Also controls nematodes on leatherleaf fern.

Check equipment calibration frequently.

Do not apply this product through any type of irrigation system except for use on leatherleaf fern.

RECOMMENDED APPLICATIONS

| CROP | PEST | DOSAGE NEMACUR 3 TURF NEMATICIDE |
|--|-----------|--|
| TURFGRASSES For use on golf courses and Sod farms | Nematodes | 9.7 fl oz/1000 sq ft or 3.3 gal/acre |

Apply specified dosage in a minimum of 1/2 gallon of water per 1000 sq ft (approximately 20 gallons per acre) to provide uniform distribution. Do not use Boomjet7 nozzle or similar single nozzle system that dispenses spray into the air over a wide swath. Use only coarse sprays directed to the turfgrass surface.

Irrigate the treated area **immediately** following application. Apply a minimum of 1/2 inch of water to move the product into the soil. The total irrigation must be complete within 6 hours of application. Apply irrigation so that puddling or runoff do not occur.

On golf course fairways apply across fairways within irrigation zones. Irrigation should be applied by zone immediately following application within that zone. Do not apply to more fairway irrigation zones than can be irrigated upon completion of application and finished within 6 hours after treatment. Do not treat more than 10 acres of turf on any golf course in a single 24-hour period. Any application, regardless of acreage, must be followed by a three-day minimum interval before an additional 10 acres or less may be treated. Do not apply within 10 feet of any surface body of water or fairway surface drains. Do not apply NEMACUR between noon and sunset during the heavy thunderstorm season (June through September).

Do not apply product after soil has become saturated with water (reached field capacity).

Do not treat newly seeded areas until the plants have developed secondary root systems. **Do not apply more than twice per year. Do not use on residential lawns or public recreational areas other than golf courses.** Not recommended for use on tees and greens.

On sod farms, treated turf should not be cut for sod or sod handled for 30 days after treatment.

| RECOMMENDED APPLICATIONS | | |
|---|-----------|---|
| CROP | PEST | DOSAGE NEMACUR 3 TURF NEMATICIDE |
| Leatherleaf fern | Nematodes | 3 gal/acre |
| <p>Apply specified dosage in fall or early spring. Do not make more than one application per year.</p> <p>To be used only with irrigation systems equipped with anti-siphon check valves and impact sprinkler heads above fern fronds so the application is not restricted in any area. Start-up irrigation system and check to see that all sprinkler heads are not restricted in flow and are rotating properly. Operate for 3 to 5 minutes so that all foliage is thoroughly wet. Mix the 3 gallons of NEMACUR 3 into 25 to 50 gallons of water per acre to allow a minimum of 10 minutes of injection of stock solution into irrigation line to insure complete and adequate coverage of the fernery. Continue irrigation after completion of injecting NEMACUR 3 for a period of time necessary to apply 0.5 (1/2) inch of water. This will insure that all NEMACUR 3 has been washed from the foliage and soaked into the soil around the root system. Follow all directions given under the CHEMIGATION section of this label. Do not re-enter fernery until ferns are completely dry.</p> <p>Do not treat crop grown in the greenhouse.</p> | | |

CHEMIGATION ON LEATHERLEAF FERN

Apply NEMACUR 3 Turf Nematicide through solid set irrigation systems only when used on leatherleaf ferns. Do not apply this product through any other type of irrigation system. Applications of NEMACUR 3 through irrigation systems on **other** crops is prohibited.

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the areas intended for treatment.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Posting: (This sign is in addition to any sign posted to comply with the Worker Protection Standard.) Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, inpatient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads; or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the following requirements: Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

RESTRICTIONS

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

Do not apply this product with knapsack or similar equipment that is placed on the user's body.

For all applications that require overhead irrigation for incorporation, do not apply between noon and sunset during the heavy thunderstorm season (June through September).

For all applications that require sprinkler irrigation for incorporation, irrigation must occur with 6 hours of the application.

After May 31, 2005, do not apply to hydrologic soil group A soils that are excessively drained and predominately sand or loamy sand such as soils in the suborder psamments with shallow water tables (less than 50 feet deep). These classifications and soil taxonomy refer to USDA definitions. If you are unsure of the type of soil you are treating, please consult with you county's extension agent or the product manufacturer.

STORAGE AND DISPOSAL

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

Pesticide Storage: 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 32F. 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.

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 below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response Telephone No. is 800-414-0244 or contact Chemtrec at 800-424-9300.

Pesticide 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: Non-refillable Metal: 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. **Non-refillable Plastic:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Returnable Refillable Sealed Containers:** Do not rinse container. Do not break seals. Replace the secondary containment cover cap and return container intact to point of purchase.

Boomjet - Registered trademark of Spray System Company.

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