

28293-272

8-6-1996

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

28293-272

Date of Issuance:

AUG 06 1996

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Unicorn 1.5% Granular

Name and Address of Registrant. (include ZIP Code):

Unicorn Laboratories
13535 Feather Sound Drive, Suite 400
Clearwater, FL 34622-5587

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes before you release the product for shipment:

- a. Add the designation, "EPA Reg. No. 28293-272".
- b. Delete the statement, "Keep out of lakes, streams and ponds." appearing in the section headed, "Environmental Hazards". This statement has been replaced with the statement, "Do not apply directly to water, _ _ _" which also appears in your "Environmental Hazards" section of the label.
- c. Add the statement cited below to the "Directions for Use" section immediately preceding the statement, "Note: Not for use on sod farms, commercial nurseries or greenhouses." The statement cited below is the pre-approved exclusionary statement used to remove products labeled for use on turf and ornamentals from the scope of the Worker Protection Standard (WPS).

Signature of Approving Official:

Marilyn A. Monty / fa

Date:

AUG 06 1996

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"Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes."

d. It is noted that the following statements are to be deleted and will not appear on the final label: " Note: Only one set of numbers will appear on the final printed label depending on the type of carrier used. The lower numbers will _ _ _ "

3. Submit two copies of the revised final printed label before you release the product for shipment.

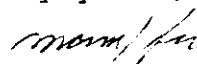
4. Submit a copy of your revised data matrix, corrected as described below along with the required copies of your revised final printed label for our files.

Delete the guideline # 81-6 study referenced on your data matrix as EPA Accession # 257086. According to our files, this study was not submitted or referenced to support registration of the substantially similar product cited in your application.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Karen E. Whitby
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)

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UNICORN

ACCEPTED
with COMMENTS
in EPA Letter Dated

1.5% GRANULAR INSECTICIDE

AUG 06 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this pesticide
registered under EPA Reg. No.

28293-272

■ FOR INSECT CONTROL ON TURF GRASSES,
ORNAMENTAL BEDS
AND CERTAIN NON-CROP AREAS.

ACTIVE INGREDIENT:

1-Methylethyl 2-[[ethoxy[(1-methylethyl)
amino]phosphinothiocy]oxy]benzoate..... 1.5%

INERT INGREDIENTS:..... 98.5%
100.0%

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side/Back Panel for Additional Precautionary Statements.

AVISO

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés,
no use este producto hasta que la etiqueta le haya sido explicada
ampliamente.

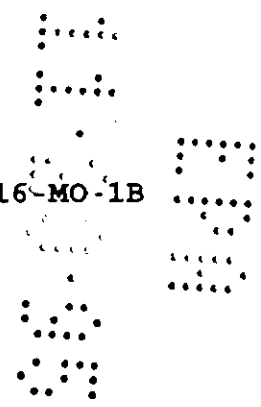
(TO THE USER: If you cannot read or understand English, do not use
this product until the label has been fully explained to you.)

NET CONTENTS:

Manufactured by:
Unicorn Laboratories
13535 Feather Sound Drive, Suite 400
Clearwater, Florida 34622-5587

EPA REG. NO. 28293-(p)

EPA EST. NO. 44616-MO-1B



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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Harmful if inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse. Keep out of reach of children.

Environmental Hazards

This pesticide is toxic to fish and wildlife. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of lakes, streams and ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

Statements of Practical Treatment

IF SWALLOWED: Call a physician or Poison Control Center. Give a glass or two of water and induce vomiting by touching finger to back of throat. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF IN EYES: Flush with plenty of water.

IF ON SKIN: Wash with soap and hot water.

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

STORAGE AND DISPOSAL

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

Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Household: Do not reuse empty container. Wrap and put in trash collection.

Pesticide Disposal (Except Household): Pesticide that cannot be used according to label directions must be disposed of according to Federal, State, or local procedures under the Resource Conservation and Recovery Act.

Container Disposal (Except Household): Do not use container in connection with food, feed, or drinking water. Dispose of in a sanitary landfill or by incineration if permitted by State and local authorities.

IN CASE OF SPILL/LEAKAGE: Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Do not walk through spilled material. Dispose of pesticide as directed above.

DIRECTIONS FOR USE

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

IMPORTANT: Read the entire Directions for Use and Conditions of Sale before using this product.

This product is recommended for use on ornamental, and recreational turf grass areas as well as landscape ornamental beds and non-crop areas such as fence rows and roadsides.

NOTE: Not for use on sod farms, commercial nurseries or greenhouses.

APPLICATION EQUIPMENT

Apply this product uniformly over the turf area with suitable granular turf application equipment. Both drop-type spreaders may be used to apply product. Avoid the use of spreaders which would apply the material in narrow, concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly.

APPLICATION TECHNIQUES

Application of this product using a pull-type drop spreader can be aided by a splash board mounted under the hopper for more uniform granule distribution. A more uniform application can be made by spreading half the required amount of product over the area; and then immediately apply the remaining half at right angles or crosswise. The full recommended rate of product must be used for maximum benefit. When applying, use appropriate marking systems and make applications when the wind is calm to prevent missed areas.

SPREADER SETTINGS

Approximate Spreader Setting's for applying at the rate of 3 pounds per 1000 square feet.

<u>MODEL</u>	<u>SETTING*</u>
Cyclone model B-1	3.5 (5)
Scotts PF-1/011B	6.0 (10)

***NOTE:** Only one set of numbers will appear on the final printed label depending on the type of carrier used. The lower numbers will appear when corn cob granules are used as the carrier, while the higher numbers will appear when vermiculite is used as the carrier.

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RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE OF PRODUCT	REMARKS
<p>Ornamental and Recreational Turf grasses</p> <p>Non-crop areas (such as fence rows and road-sides)</p>	<p><u>SOIL INSECTS</u></p> <p>White grub larvae (such as Japanese beetle, Black turf grass ataeuius, Chafers, <i>Phyllophaga</i> spp. Green June beetle, Oriental beetle, Asiatic garden beetle)</p> <p>Billbug (larvae stage)</p> <p>Mole crickets</p> <hr/> <p>Fire Ants</p>	<p>3 lbs./1000 sq. ft.</p> <hr/> <p>3 lbs/1000 sq. ft.</p> <hr/> <p>0.5 oz. per 9 sq. ft.</p>	<p><u>Be Sure to Read "Application Equipment" Section of this label.</u></p> <p>Do not apply more than 6 lbs. of product per 1000 sq. ft. per year or an equivalent amount of 1.45 oz. active ingredient per 1000 sq. ft. regardless of formulation used. Minimum interval between applications must be 30 days.</p> <p><u>For White Grub and Billbug Larval Control:</u> Water turf area thoroughly immediately after application, using sufficient water to wet soil 1 to 1½ inches deep. Mow turf only after sufficient irrigation has been applied.</p> <p><u>For Area Mole Cricket Control:</u> Water immediately after application using 1/2 to 1 inch of water.</p> <p><u>Area Fire Ant Control:</u> Apply specified dosage uniformly over area to be treated for residual control. Water immediately after application using 1/2 to 1 inch of water. If established fire ant mounds are present use the mound drench treatment prior to area application. If a mound drench treatment is made only one area treatment may be made</p> <p><u>Established Fire Ant Mounds - Drench Treatments:</u> <u>Wet Conditions:</u> Distribute dosage evenly over 9 sq. ft. and immediately sprinkle gently with 3 gallons of water.</p> <p><u>Dry Conditions:</u> Treat as noted for wet conditions, however, to insure penetration apply an additional 3 gallons of water to the treated mound area after treatment. Make only one mound drench treatment.</p>

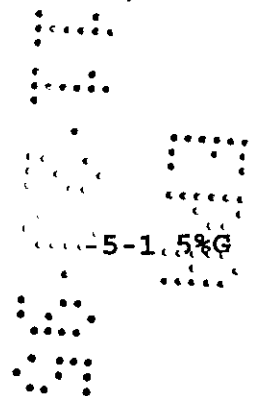
Consult your local turf, state Agricultural Experiment Station, or state Extension Service Specialist for more specific information regarding timing of application.

RECOMMENDED APPLICATIONS (Continued)

CROP	PEST	DOSAGE OF PRODUCT	REMARKS
<p>Turf grasses (Cont'd)</p>	<p><u>SURFACE INSECTS</u></p> <p>Sod webworm larvae Chinch bug Hyperodes weevil</p>	<p>1.5 or 3 lbs. /1000 sq. ft.</p>	<p>Apply ¼ to ½ inch of water immediately after treatment. Reapply as necessary for pest re-infestations. Do not apply more than 6 lbs. of product per 1000 sq. ft. per year or an equivalent amount of 1.45 ounces active ingredient per 1000 sq. ft. regardless of formulation used. Minimum interval between applications is 15 days for 1.5 lb. rate and 30 days for the 3 lb. rate.</p> <p><u>For Hyperodes Weevil Control:</u> Apply between full bloom periods of forsythia and flowering dogwood, usually April 15 to May 15, and water-in as directed above.</p> <p>Consult your local turf, State Agricultural Experiment Station, or State Extension Service Specialists for more specific information regarding timing of application.</p>

CONDITIONS OF SALE

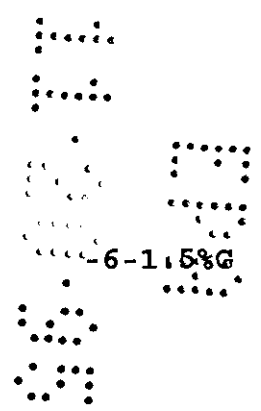
The directions on this label were determined through research to be appropriate for the correct use of this product. This product has been tested under different environmental conditions both indoors and outdoors similar to those that are ordinary and customary where the product is to be used. Insufficient control of pests or plant injury may result from the occurrence of extraordinary or unusual conditions, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to animals, man, and damage to environment. Seller offers, and the Buyer accepts and uses this product subject to the conditions that extraordinary or unusual environmental conditions, or failure to follow label directions are beyond the control of Seller and are, therefore, the responsibility of the Buyer.



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RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE OF PRODUCT	REMARKS
Ornamental areas (such as trees and ornamental beds)	<p>White grub larvae (such as Japanese beetle, Chafers, Phyllophaga spp. Asiatic garden beetle)</p> <p>Mole crickets</p> <p>Fire Ants</p>	<p>130 lbs/acre or 3 lbs/1000 sq. ft.</p>	<p>Apply specified dosage per acre or per 1000 sq. ft. using ground equipment accurately calibrated to uniformly apply a granular pesticide. Do not apply more than 6 lbs. of product per 1000 sq. ft. (260 lbs. per acre) per year or an equivalent amount of 1.45 ounces active ingredient per 1000 sq. ft. regardless of formulation used. Minimum interval between applications must be 30 days.</p> <p><u>ORNAMENTAL BEDS:</u> Uniformly apply the granules in a manner so that the tree trunks and foliage will not disturb the pattern. Immediately irrigate after application and prior to any cultivation or soil disturbance so that the product will be uniformly distributed into the upper soil profile. Apply irrigation in a manner so that no run-off or erosion will occur which could more product from the treated area.</p> <p><u>Container Ornamentals:</u> Apply designated dosage directly to the soil surface of the container. After application, irrigate with a minimum of 4 oz. of water per 1 gallon container to ensure adequate distribution of product into the upper soil profile.</p> <p>(REMARKS CONTINUED)</p>



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RECOMMENDED APPLICATIONS

CROP	PEST	DOSAGE OF PRODUCT	REMARKS
Ornamental areas (Cont'd)	Fire Ants	<p>130 lbs/acre or 3 lbs/1000 sq. ft.</p> <hr/> <p>0.5 oz. per 9 sq. ft.</p>	<p><u>For Area Mole Cricket and Fire Ant Control:</u> Apply specified dosage uniformly over area to be treated for residual control. Water immediately after application using 1/2 to 1 inch of water. If established fire ant mounds are present use the mound drench treatment prior to area application. If a mound drench treatment is made only <u>one</u> area treatment may be made.</p> <p><u>Mound Drench Treatments:</u> <u>Wet Conditions:</u> Distribute dosage evenly over 9 sq. ft. and immediately sprinkle <u>gently</u> with 3 gallons of water. <u>Dry Conditions:</u> Treat as noted for wet conditions, however, to insure penetration apply an additional 3 gallons of water to the treated mound area after treatment.</p> <p>Make only <u>one</u> mound drench treatment.</p>
		Consult your local turf, state Agricultural Experiment Station, or state extension Service Specialists for more specific information regarding timing of application.	
Soil mix for ornamentals	Japanese beetle larvae Fire ants	20 oz/cu.yd. of soil mix	<u>Potting Soil Treatment:</u> Add 20 ozs. of this product per cubic yard of soil mixture during the mixing operation. Thoroughly mix the granules to ensure a uniform distribution in the potting soil before filling pots and planting.

RESTRICTIONS

Do not mow treated turf area before irrigation has been applied as per RECOMMENDED APPLICATIONS. Do not graze treated areas or use clippings from treated areas for feed or forage. Keep children and pets off treated area until dry.