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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

28293-239
FEB 8 1995



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

EPA Reg. Number:

28293-239

Date of Issuance:

FEB 8 1995

NOTICE OF PESTICIDE:

Registration
 Reregistration

Term of Issuance:

Conditional

(under FIFRA, as amended)

Name of Pesticide Product:

Unicorn Diazinon 14G
Granular Insecticide

Name and Address of Registrant (include ZIP Code):

Unicorn Laboratories
1000 118th Avenue North
St. Petersburg, FL 33716

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/reregistration 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 labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 28293-239

b. Under Rate for Sugar Beets change "7-14 lbs per acre or 4.7-3.4 oz per linear ft. of row" to read "7-14 lbs per acre or 4.7-9.4 oz per linear ft. of row".

Signature of Approving Official:

Date:

EPA Form 8570-6

CONCURRENCES

SYMBOL	H.7505C						
SURNAME	LAD						
DATE	3/1/94						

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3. Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

Enclosures

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**RESTRICTED USE PESTICIDE
DUE TO AVIAN AND AQUATIC TOXICITY**

**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.**

UNICORN

DIAZINON 14G GRANULAR INSECTICIDE

**For control of certain soil insects including wireworms,
cutworms, and other crop pests.**

ACTIVE INGREDIENT:

Diazinon: 0,0-Diethyl 0-(2-isopropyl-6-methyl-4-
pyrimidinyl) phosphorothioate..... 14.3%

INERT INGREDIENTS:..... 85.7%
100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side/Back Panel for Additional Precautionary Statements.

NET CONTENTS:

Manufactured by:

Unicorn Laboratories
1000 118th Avenue North
St. Petersburg, Florida 33716

ACCEPTED
with COMMENTS
by EPA Letter Dated

FEB 1995

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

EPA REG. NO. 28293-

(WPS)

28293-339

EPA EST. NO. 28293-FL-1

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PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with eyes, skin or clothing. Wash thoroughly after handling and before eating or smoking. Do not store near food or feed products. Do not contaminate ornamental fish ponds.

Personal Protective Equipment:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning, maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Statement of Practical Treatment

ORGANOPHOSPHATE

IF SWALLOWED: Call a physician immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

IF INHALED: Remove victim to fresh air and apply artificial respiration if indicated.

IF ON SKIN: Wash promptly with plenty of soap and water. Rinse thoroughly. Get medical attention.

IF IN EYES: Rinse eyes with plenty of water and call a physician immediately.

Note to Physician: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

Environmental Hazards

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds. Avoid overlapping granules. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn areas. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be

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killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Store in a cool, dry, well-ventilated area away from food or feed.

PESTICIDE: Pesticide or equipment rinsate that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

CONTAINER: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles into application equipment. Then dispose of empty bag in a sanitary landfill or incinerate, or burn if allowed by state and local authorities. Stay out of smoke during burning. Do not reuse container.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes.

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions for Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

Conditions of Sale and Warranty:

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Manufacturer or the Seller. All such risks shall be assumed by the Buyer.

The Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. The Manufacturer makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall the Manufacturer or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. The Manufacturer and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Unicorn Laboratories.

DIRECTIONS FOR USE

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

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FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

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 regulation.

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). 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 12 hours. 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, Waterproof gloves, Shoes plus socks

Unless directions under Timing/Special Directions state otherwise, applications to the soil should be worked into the top few inches immediately after application with a rotary hoe, cultivator, disk, harrow, or other suitable means for greatest effectiveness.

Work Safety Rules

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

When handling this product, do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Practical Treatment section of this label.

VEGETABLE CROPS

SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS
Birds feeding on treated areas may be killed. To reduce risks to birds:

1. Thoroughly incorporate this product into the soil during or immediately after application. Refer to the Soil Incorporation table that follows.
2. Cover or incorporate spilled granules.

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This product should be applied uniformly as directed for each crop. When a range of rates is given, use the higher rate for heavy infestations.

For application by ground equipment only. Do not apply this product to food crops grown in greenhouses.

Note: Soil Incorporation - Unless directions under **Timing/Special Directions** state otherwise, for control of pests listed below this product should be incorporated into the soil during or immediately after application.

Insect	Depth of Incorporation
Surface cutworms *	2 - 3 inches
Subterranean cutworms *	3 - 6 inches
Mole crickets	1 - 2 inches
Root maggots	3 - 4 inches
Wireworms	4 - 8 inches

* If cutworms cannot be identified, incorporate 4 - 6 inches.

Crop	Pest	Rate	Timing/Special Directions
Beans (Lima, Pole, and Snap) (succulent varieties only)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting
Beets, Red (Table)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Broccoli	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting or transplanting.
	Cutworms	14-28 lbs per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seeds or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting
Brussels Sprouts	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting or transplanting.
	Cutworms	14-28 lbs per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1 - 2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
Cabbage	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1 - 2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Carrots	Cutworms	14-28 lbs per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1 - 2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Cauliflower	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Cutworms	14-28 lbs per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1 - 2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Celery	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Collards	Cutworms	14-28 lbs per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1 - 2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Cucumbers	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Endive (Escarole)	Cutworms	14-28 lbs per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1 - 2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
Ginseng	Cutworms, Climbing Cutworms, Wireworms, White grubs	14-28 lbs. per acre	In new beds, broadcast just before planting and incorporate into the top 4-8 inches of soil by tilling with hand-held or powered ground equipment.
		21 lbs. per acre	When soil insect damage appears in established beds, broadcast in the Spring or late Summer through early Fall. Incorporate mechanically with 1/2 inch of irrigation.
Note: Do not apply more than once per growing season. Do not apply within 12 months of harvest.			
Kale	Cutworms	14-28 lbs per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1 - 2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Lettuce	Cutworms	14-28 lbs per acre	Broadcast and incorporate into soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1 - 2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and Hybrids of these) and Watermelons	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Mustard	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
Onions (Bulb and Green)	Onion Maggots	14-28 lbs. per acre	Broadcast just before planting and incorporate into the top 3-4 inches of soil. Note: Diazinon will not control organophosphate-resistant onion maggots.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Parsley	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

Crop	Pest	Rate	Timing/Special Directions
Peas (succulent varieties only)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate soil just before planting.
Peppers	Cutworms	14-28 lbs. per acre	Broadcast and incorporate soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate plant beds or fields 1 before sowing of seed transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate soil just before planting.
Potatoes	Cutworms (Surface and Subterranean)	14-28 lbs. per acre	Broadcast and incorporate soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate soil just before planting.
Note: Do not use on commercially-grown potatoes which will be hand-harvested.			
Radishes	Mole Crickets	7 lbs. per acre	Broadcast and incorporate plant beds or fields 1- before sowing of seed transplanting.
Spinach	Cutworms	14-28 lbs. per acre	Broadcast and incorporate soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate soil just before planting.
Squash (Summer and Winter)	Cutworms	14-28 lbs. per acre	Broadcast and incorporate soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate soil just before planting.
Sweet Corn	Cutworms	14-28 lbs. per acre	Broadcast and incorporate soil just before planting.
	Seed Corn Maggots	14-28 lbs. per acre	Broadcast just before and incorporate into the inches.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate soil just before planting.
Sweet Potatoes	Wireworms, Flea Beetles	21 lbs. per acre	Broadcast and incorporate soil just before planting.
Swiss Chard	Cutworms	14-28 lbs. per acre	Broadcast and incorporate soil just before planting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate soil just before planting.
Tomatoes	Cutworms	14-28 lbs. per acre	Broadcast and incorporate soil just before planting.
	Mole Crickets	7 lbs. per acre	Broadcast and incorporate plant beds or fields 1 before sowing of seed transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate soil just before planting.

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Crop	Pest	Rate	Timing/Special Directions
Turnips	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.

FIELD CROPS

Special Precautions To Reduce Risks to Birds
 Birds feeding on treated areas may be killed. To reduce risks to birds:

1. Thoroughly incorporate this product into the soil during or immediately after application.
2. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn areas.

Diazinon 14G should be applied uniformly as directed for each crop.

Crop	Pest	Rate	Timing/Special Directions
Sugar Beets	Sugar Beet	7-14 lbs. per acre	Apply in a 5-7 inch band (based on 22" row spacing) incorporated 2-3 inches at planting.
	Root Maggots	or 4.7-3.4 oz. per 1,000 linear ft. of row	
	Wireworms	21-28 lbs per acre	Broadcast and incorporate into the soil 4-8 inches just before planting.

Note: Do not apply more than 28 lbs of Diazinon 14G per acre to the soil per season.