



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

EPA Reg. Number:

28293-250

Date of Issuance:

JUN 30 1994

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Unicorn Diazinon 5.0  
EW 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. 28293-250"
- b. Delete the first STORAGE and DISPOSAL section.

Signature of Approving Official:

Date:

EPA Form 8570-6

CONCURRENCES

SYMBOL	H7505C						
SURNAME	P/10						
DATE	6/27/94						

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c. Revise item 7 under Precautions to read: "Do not apply in rooms/areas while occupied by patients, the elderly or infirm."

d. Under "Environmental Hazards" delete "For terrestrial uses" in the sentence beginning "For terrestrial uses do not apply to water ...etc."

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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**UNICORN**

**DIAZINON 5.0 EW INSECTICIDE**

**For control of household pests  
and pests in feed and food handling  
establishments as specified in label directions.**

**Recommended for commercial/industrial use only.**

**ACTIVE INGREDIENT:**

Diazinon: 0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate..... 5.0%

**INERT INGREDIENTS..... 95.0%**

**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, FL 33716

**EPA REG. NO. 28293-**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

**EPA EST. NO. 28293-FL-1**

**JUN 30 1994**

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

28293-250

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**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapors. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Remove pets from area and cover fish bowls before spraying. Keep children and pets off treated areas until the areas are dry.

**Statement of Practical Treatment**

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

**IF INHALED:** Remove victim to fresh air.

**IF ON SKIN:** Wash with plenty of soap and water.

**Note to Physician:** If product is ingested, induce vomiting or lavage stomach. Diazinon 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 wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes and estuaries. For terrestrial uses, 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 by disposal of pesticide, cleaning of equipment, or disposal of equipment wash waters.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming plants where they feed. Do not allow this pesticide to drift to blooming weeds, if bees are visiting the treatment area. Do not apply this product to or allow it to drift to food crops or any desirable vegetation at any time.

**Physical or Chemical Hazards**

Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL**

**STORAGE:** Keep from freezing. Store above 32°F. Store in an area inaccessible to children and pets.

**DISPOSAL:** Do not reuse empty container. Rinse thoroughly before discarding in trash. Securely wrap original container in several layers of newspaper and discard in trash.

**BEST AVAILABLE COPY**

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**DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY**

**IMPORTANT:** Read the entire **Directions for Use** and the **Conditions of 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.

**General Information**

This product is a microemulsion concentrate intended for use by pest control operators. Apply the product after dilution with water for the control of those pest specified on this label. This product may be used indoors in households, apartments, and other structures including schools, hospitals, office buildings, museums, libraries, sports facilities, stores, warehouses, and food and feed handling establishments (except USDA Meat and Poultry Plants). Read and follow the **"Precautions"** listed below when applying this product in any of these indoor areas. In food and feed areas of food/feed handling establishments, this product may be applied only as a crack and crevice treatment or limited spot treatment. See the specific directions for use for treatment of these areas.

Indoors this product controls: ants, brown dog ticks, carpet beetles, cockroaches, adult fleas, scorpions, silverfish and spiders.

Diazinon 5.0 EW may also be used outdoors as a house foundation treatment.

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**NOTE:** Indoors, when quicker knockdown or flushing action is desirable, pyrethrins may be added to the Diazinon 5.0 EW finished spray mixture. Normally pyrethrins are used as a 0.25% concentration. Consult the EPA-registered label for the pyrethrin product used to determine the correct amount needed. Observe all use and handling precautions on the pyrethrin label.

**MIXING INSTRUCTIONS**

Dilute this product with water to make a 1/2% or 1% spray and apply as indicated in the following table:

Gals. of Finished Spray	Amount of Product to Use For	
	1/2% Spray *	1% Spray *
1	13 fl. oz.	26 fl. oz.
2	26 fl. oz.	52 fl. oz.
3	39 fl. oz.	78 fl. oz.
10	130 fl. oz.	260 fl. oz.
25	325 fl. oz.	650 fl. oz.

\* 32 oz = 1 qt.  
128 oz = 1 gal.

**INDOOR USE**

Indoors this product controls:

- |                 |             |           |
|-----------------|-------------|-----------|
| Ants            | Cockroaches | Scorpions |
| Brown dog ticks | (Waterbugs) | Spiders   |
| Carpet beetles  | Adult fleas |           |

In households and in food and feed areas of food and feed handling establishments, this product also aids in the control of the following exposed stages of pantry pests which come into contact with treated surfaces:

- |                  |                  |                       |
|------------------|------------------|-----------------------|
| Drugstore beetle | Flour beetle     | Rice Weevil           |
| Cigarette beetle | Indian meal moth | Sawtooth grain beetle |

Precautions: (1) Do not use this product indoors as an overall surface spray or as a space spray; take care not to introduce this product into the air during application. (2) Use only in well-ventilated areas. (3) Do not apply where children are likely to frequently contact treated surfaces. (4) Remove or cover fish bowls and remove pets before application. (5) Do not treat pets with this product. (6) Do not allow children or pets in treated areas until spray has dried. (7) Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm. (8) Do not apply to classrooms when in use. (9) In institutions (including, but not limited to office buildings, museums, libraries, sports facilities, etc.) do not apply this product when occupants are present in the immediate area. (10) Avoid excessive wetting of carpets, floor coverings or unfinished materials because damage may occur. (11) Care should be taken to avoid spotting of walls, wall coverings, and fabrics. (12) Do not apply directly to conduits, motor housings, or electrical switch boxes. (13) Do not apply to areas, surfaces, or utensils which will contact food or feed. (14) Exposed food should be covered or removed during application. (15) All food processing surfaces and utensils should be covered during application or thoroughly washed with soap and water before use. (16) DO NOT USE THIS PRODUCT IN USDA MEAT AND POULTRY PLANTS. (17) Do not treat plants or pets



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with this product. (18) If clothing is sprayed during application, remove clothing immediately after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

**Indoor Use - Except Food and Feed Handling Establishments**

Households, Apartments, and Non-Food Areas of Offices, Schools, Sport Facilities, Hospitals, Libraries, and Museums (See "Indoor Use - Food and Feed Handling Establishments" for special directions when applying this product in food handling or serving areas in nonresidential buildings).

**Cockroaches (Waterbugs), Ants, Silverfish:** Make spot applications of 1/2% coarse spray to baseboards, areas around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves, and similar areas where these insects hide.

For heavy cockroach infestations, make the first application at a strength of 1% followed by monthly applications of 1/2% - 1% spray.

**Brown dog ticks, Fleas\*:** Make thorough application of a 1/2% - 1% spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets, and localized areas of floors and floor coverings. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this product.

\*Controls adult fleas on areas treated.

**Carpet beetles:** Apply a 1/2% spray in spot applications along baseboards and edges of carpeting, under carpeting and rugs and furniture, in closets and on shelving, and wherever these insects are seen or suspected.

**Spiders and Scorpions:** Apply a 1/2% spray around windows, doors, and along baseboards. Make spot applications to other areas over which these pests may crawl.

**Pantry Pests - Exposed Stages (Sawtoothed grain beetle, flour beetle, rice weevil, cigarette beetle, drugstore beetle, Indian meal moth):** Apply a 1/2% spray to shelves and cupboards where food containers suspected of being infested are stored. Remove all food and shelving paper before spraying. Do not replace the food packages until spray has dried. Cover shelves with shelving paper. This treatment is supplemental to good housekeeping, since it will have no effect on insects breeding within food packages. Infested food packages should be destroyed.

**Indoor Use - Food and Feed Handling Establishments**

Places other than private residences in which food or feed is held, processed, prepared, or served (includes restaurants, canneries, bakeries, food processing plants, mills, dairies, etc.). This product may be used in the food/feed areas and the non-food/non-feed areas of these establishments. Apply either as a spot or crack and crevice treatment as directed below.

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**Food/Feed Areas of Food/Feed Handling Establishments**

Includes areas for receiving, serving, storage (dry, cold, frozen, or raw), packaging (canning, bottling, and grinding); enclosed processing systems (mills, dairies, and systems for processing edible oils and syrups).

**APPLICATION OF THIS PRODUCT IN THE FOOD/FEED AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT OR LIMITED SPOT TREATMENT IS NOT PERMITTED.**

**Limited Spot Treatment**

Apply this product diluted to 1/2 - 1% as a coarse, low-pressure fan spray around water pipes and door frames, to surfaces beneath cabinets, refrigerators, sinks, stoves, storage areas, and similar floor areas. Limit spot treatments to floor surfaces where pests have been seen or are suspected of hiding. Limited individual spot treatment to an area no larger than 20% of the surface area. Any individual spot treatment must not exceed 2 square feet.

**Crack and Crevice Treatment**

Apply this product diluted to 1/2 - 1% with equipment capable of delivering a pin stream of insecticide. Apply in small amounts directly into cracks and crevices in such areas as expansion joints, spaces between equipment and the floor, openings leading to voids, and hollow spaces in walls and equipment legs and bases.

**Non-Food/Non-Feed Areas of Food/Feed Handling Establishments**

Include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage areas (after canning or bottling).

**Spot Treatment**

Apply this product diluted to a 1/2 - 1% spray. Apply as a coarse low pressure fan spray as a spot treatment along baseboards to areas around water pipes, beneath cabinets, to surfaces behind and beneath sinks, lockers and pallets, and to storage areas where cockroaches, ants, silverfish and spiders hide.

**OUTDOOR USE**

**House Foundation Band Treatment**

To control ants, boxelder bugs, brown dog ticks, chiggers, clover mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, sowbugs, spiders, and collembola (springtails) which are commonly found near the house and may enter the house, make a thorough application of a 1/2% or 1% spray. Apply to a 5-ft. band of soil around the house, including the house foundation wall to a height of 2 - 3 ft. Repeat application as necessary.

**Precautions:** (1) Do not spray lawns, desirable plants, or shrubbery because plant injury may occur. (2) Wear a long-sleeved shirt and long-legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.



**STORAGE AND DISPOSAL**

**Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.**

**Pesticide**

Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**Container**

(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.

(Plastic) - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or burn if allowed by state and local authorities. Stay out of smoke from burning 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.**