

Reg # 19713-95

PM-13

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Ms. Barbara Brown  
Drexel Chemical Company  
P. O. Box 9306  
2487 Pennsylvania Street  
Memphis, TN 38109

Dear Ms. Brown:

Subject: Amendment- Revise per Diazinon Registration Standard  
Drexel D-264 14G  
EPA Registration Number 19713-95  
Your submission dated June 2, 1994

This amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable, provided that you:

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

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Your Confidential Statement of Formula (CSF) dated May 20, 1994 has been reviewed and will be acceptable provided you list the impurity levels of toxicological concern for diazinon as required under the 1988 Guidance Document for Reregistration of Pesticide Products containing diazinon (see page 149 of the document). See the Agency's letter of July 8, 1994 regarding your technical product EPA Registration Number 19713-104 for more information in this regard.

In addition the CSF dated May 20, 1994 must be revised so that it coincides with the label claim. You cannot have a lower certified limit of 15.4% when your label claim is 14%. Refer to CFR40 Section 158.175 for information

calculating certified ~~limits~~ **concentrations**

SYMBOL							
SURNAME							
DATE							

- b. Delete your **PERSONAL PROTECTIVE EQUIPMENT** section.
- c. Under **DIRECTIONS FOR USE** change "federal" to Federal".
- d. Under **AGRICULTURAL USE REQUIREMENTS** following the REI of 12 hours add "Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. PPE required for early entry into 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 and shoes plus socks."
- f. Under **WORKER SAFETY RULES** change "When handling this product, wear the personal protective equipment listed in the following section." to "When handling this product, wear the personal protective equipment listed above."

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.

Sincerely,

George T. LaRocca  
 Product Manager (13)  
 Insecticide-Rodenticide Branch  
 Registration Division (H7505C)

Enclosure

3913

RESTRICTED USE PESTICIDE  
DUE TO AVIAN AND AQUATIC TOXICITY  
FOR RETAIL SALE AND USE ONLY BY CERTIFIED APPLICATORS OR  
PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE  
USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

DREXEL  
D-264 14G

DIAZINON GRANULAR INSECTICIDE

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

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS

ACTIVE INGREDIENT:

Diazinon [O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl)  
phosphorothioate].....14.0%

INERT INGREDIENTS.....86.0%

TOTAL.....100.0%

KEEP OUT OF REACH OF CHILDREN  
CAUTION

ACCE...  
EPA...

EPA REG. NO. 19713-95  
EPA EST. NO. 19713-GA-1

NET CONTENTS:

19713-95

Manufactured by:  
Drexel Chemical Company  
P.O. Box 9306, Memphis, TN 38109-0306

STATEMENT OF PRACTICAL TREATMENT

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. Diazinon is an organophosphate  
insecticide/miticide.

BEST AVAILABLE COPY

**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. Do not store near food or feed products. Do not contaminate ornamental fish ponds.

**PERSONAL PROTECTIVE EQUIPMENT****WPS USES:**

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Waterproof gloves

Shoes plus socks

Protective eyewear

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**

User should:

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

**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 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.

**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.

**BEST AVAILABLE COPY**

**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 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
- Protective eyewear

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

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 D-264 14G, Diazinon Granular Insecticide, 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. When handling this product, wear the personal protective equipment listed in the following section.

**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.

D-264 14G, Diazinon Granular Insecticide 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 D-264 14G, Diazinon Granular Insecticide 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.
	Wire Worms	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.

Crop	Pest	Rate	Timing/Special Directions
Broccoli	Root Maggots	14-21 lbs. per acre	Broadcast and incorporate into soil just before plating.
	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.
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.
Cabbage	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.

**BEST AVAILABLE COPY**

Crop	Pest	Rate	Timing/Special Directions
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 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.
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.



Crop	Pest	Rate	Timing/Special Directions
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.
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. 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.
		21 lbs. per acre	

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.

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Crop	Pest	Rate	Timing/Special Directions
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, Honeydews, 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.
Peas (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.

Crop	Pest	Rate	Timing/Special Directions
Peppers	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.
Potatoes	Cutworms (Surface and Subterranean)	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.
NOTE: Do not use on commercially-grown potatoes which will be hand-harvested.			
Radishes	Mole Crickets	7 lbs. per acre	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
Spinach	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.
Sweet Corn	Cutworms	14-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
	Seed Corn Maggots	14-28 lbs. per acre	Broadcast just before planting and incorporate into the soil 2 inches.
	Wireworms	21-28 lbs. per acre	Broadcast and incorporate into soil just before planting.
Sweet Potatoes	Wireworms, Flea Beetles	21 lbs. per acre	Broadcast and incorporate into soil just before planting.

Crop	Pest	Rate	Timing/Special Directions
✓ Swiss Chard	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.
Tomatoes	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.
) 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.

D-264 14G, Diazinon Granular Insecticide should be applied uniformly as directed for each crop.

BEST AVAILABLE COPY

Crop	Pest	Rate	Timing/Special Directions
Sugar Beets	Sugar Beet Root Maggots	7-14 lbs. per acre or 4.7-9.4 oz. per 1,000 linear ft. of row.	Apply in a 5-7 inch band (based on 22" row spacing) incorporated 2-3 inches at planting.
	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 D-264 14G, Diazinon Granular Insecticide per acre to the soil per season.

**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. In the event of a major spill, fire or other emergency, call 1-800-424-9300 day or night.

**WARRANTY - CONDITION OF SALE**

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with direction given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer..

