


DM13 59144-2

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (73-787) WASHINGTON, DC 20460	EPA REGISTRATION NO. 59144-2	DATE OF ISSUANCE MAY 1 1991
	TERM OF ISSUANCE Until Reregistration	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	NAME OF PESTICIDE PRODUCT 5% Diazinon Granules	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
<div>Gro Tec, Inc. P.O. Box 290 Madison, GA 30650</div> <div>264801 160/5 287211 181</div>		
NOTE: Changes in labeling formula 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 U.S. 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.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an endorsement or approval of this product by this 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 or other materials required for registration/reregistration of your product under FIFRA sec. 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:		
a. Add the phrase, "EPA Registration No. 59144-2."		
b. At the beginning of the label delete "For Use in Lawns & Gardens and Around the Outside of Homes" and replace with "For Outdoor Use on the Home Lawn and in the Home Garden."		
c. At the top of the left panel, revise "AS AN AID IN CONTROL OF FIRE ANTS" to "AIDS IN THE CONTROL OF FIRE ANTS." This revision is necessary because it now reads as if only application as an aid in the control of fire ants on golf courses or sod farms is prohibited. As you know, this is not the purpose of the Notice of		
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<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE
		5/1/91

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Intent to Cancel use of diazinon on golf courses or sod farms. While relocating the golf course and sod farm use prohibition directly under the product name would resolve this problem, it would leave you with a product whose purpose is indicated as "For Outdoor Use on the Home Lawn and in the Home Garden as an aid in control of fire ants" which incompletely describes the potential uses for this product.

d. Revise the first sentence of the directions for control of fire ants (adding a specified radius of treatment and identifying outdoor home recreational areas) such that it reads:

To aid in control of fire ants in lawns and other outdoor home recreational areas, apply 1/2 cup of this product over and 2' around each fire ant mound.

e. In the far right column, under the heading "TIMING and SPECIAL DIRECTIONS" relocate numbers appearing at the end of lines such that they are not separated from their associated fractions, i.e., for mole crickets move the "3" down to the next line so that it reads "3 1/2 oz./500 sq. ft.", and for wireworms move the "10" down to the next line so that it reads "10 1/2 to 14 oz./500 sq. ft."

f. Delete the directions for lesser cornstalk borer on beans. Ciba-Geigy has elected not to support reregistration of post-emergence application of granular diazinon to beans. Since the remaining uses on beans are covered by the general directions for specific pests, you may wish to delete "See Special Instructions below" after the crop name "BEANS". The type of beans and the associated dry varieties prohibition would then be moved up after "BEANS", together with the remaining pest claims (similar to the entry for the crop "PEAS"). Specifically, the entry will appear as follows:

BEANS (Pole, Snap, or Limas, succulent only): Do not use on dried bean varieties, such as pintos, dried limas, navy beans, etc. (Cutworms, Wireworms).

g. Delete all the special directions for the crop "SWEET CORN", including control of European Corn Borer, Fall Armyworm, and Southern Corn Borers. Based on the results of avian field studies, Ciba-Geigy has elected not to support reregistration of post-emergence application of granular diazinon to corn. Also, in the general crop listing, delete "See Special Instructions below" after "(Cutworms, Seed Corn Maggots, Wireworms)" for the crop "SWEET CORN."

h. Submit a one year storage stability study within 15 months of the date of this notice. The formulated product must be analyzed for its active ingredient at time zero and through a year of storage. The storage should be in warehouse conditions of temperature and humidity and stored in similar containers you will be using in the trade. Note: For the storage stability study, you cannot reference the concentrate you are using to formulate your product.

3. Submit five (5) 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 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,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

GRO TEC 5% DIAZINON GRANULES

outdoor use
be home Lawns and
be have garden
**CRAWLING INSECT
CONTROL**
READY TO USE
For Use in Lawns & Gardens and Around
the Outside of Homes

THIS PRODUCT MUST NOT BE USED
ON GOLF COURSES AND SOO FARMS
AND
AS A MEANS IN THE CONTROL OF FIRE ANTS
1 Pounds Treats From 500 to 2285 Sq.Ft.

ACTIVE INGREDIENT:
DIAZINON: [O,O-Diethyl O-(2-isopropyl-6-methyl-
4-pyrimidinyl) phosphorothioate] 8.0%
INERT INGREDIENTS: 92.0%
Total 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED: Call a physician immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of 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:** Remove contaminated clothing and wash affected area with soap and water. **IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists. **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.

SEE SIDE/BACK PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS
EPA Reg. No.59144- EPA Est No.59144-GA-1

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. May cause skin sensitization following repeated contact with skin of susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, consult a physician. Do not store near food or feed products. Food utensils such as spoons or measuring cups must not be used for food purposes after use in measuring pesticides. Do not contaminate ornamental fish ponds. Where "watering in" is required, do not allow children or pets on these treated areas until granules are watered into the soil and grass or soil is dry. Do not use on pets, animals or livestock.

ENVIRONMENTAL HAZARDS

This product is highly toxic to birds and fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, NY between Nov. 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping granules. Where "watering in" is recommended in the directions or if waterfowl, ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply a minimum of 1/4 inch of water immediately after applying this product. Stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). 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.

NET WEIGHT 1 POUND
GRO TEC, INC.
P.O. BOX 290 - MADISON, GA 30650

outdoor
home

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Securely wrap container in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL:** Do not reuse empty bag. Discard bag in trash. For other 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 1-800-888-6372 day or night.

LAWN INSECTS

ANTS, ARMYWORMS, BERMUDAGRASS MITER, BILLBUGS, BROWN DOG TICKS, CHOGGERS, CHINCH BUGS, CLOVER MITER, CRICKETS, CUTWORMS, DIGGER WASPS, EAWIGS, FIRE ANTS, FLEAS, GRASSHOPPERS, LAWN MAGGOTS, SOO WEENWORMS, LAWN MOTHS, LEAFHOPPERS, MILLPEDES, BOWBUGS, SPRINGTAILS, WHITE GRUBS OF EUROPEAN CHAFER, JAPANESE BEETLE, SOUTHERN CHAFER
*AIDS IN THE CONTROL OF FIRE ANTS.

OVERALL LAWN APPLICATION

FOR SURFACE FEEDING INSECTS

Use 2 lbs. granules per 1,000 sq. ft. for control of the following insects on both grass and dicotyledonous lawns: ANTS, ARMYWORMS, BERMUDAGRASS MITER, BROWN DOG TICKS, CHOGGERS, CHINCH BUGS, CLOVER MITER, CRICKETS, CUTWORMS, EAWIGS, FLEAS, GRASSHOPPERS, LAWN MOTHS, LEAFHOPPERS, MILLPEDES, BOWBUGS, SPRINGTAILS (COLEMBOLA).

IMPORTANT - APPLICATION PRECAUTIONS:

Refer to Environmental Hazards paragraph on this label for information concerning the protection of waterfowl that might enter and feed on diazinon treated turf areas. Apply with a Lawn Spreader when grass is dry. See spreader settings chart below. Repeat as directed. For application with other types of equipment, apply at the same rate of 2 lbs. per 1,000 sq. ft. or 3.2 oz. per 100 sq. ft. = (per area 10 R. x 10 R.)

FOR SOIL FEEDING INSECTS

BILLBUGS, WHITE GRUBS OF JAPANESE BEETLES, EUROPEAN CHAFER, SOUTHERN CHAFER, ATAEINUS SPRETULUS (Dung Beetle). Apply 2 lbs. per 1,000 sq. ft. of lawn. Water grass thoroughly after application. For Billbug control, apply in spring or early summer when activity is first observed or when chawac or brown grass indicates damage from these insects. Repeat as necessary. For grub control, except Dung Beetle, treat any time between late July and early October. For Dung Beetle grub control, apply in spring or early summer when damage is first noticed. Water grass thoroughly with 1/4 to 1/2 inch of water after application. Treat again in late summer or early fall if a second-generation occurs. **HYPERODES WEEVILS:** Apply 2 lbs. per 1,000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

LAWN SPREADER SETTINGS

Spreader Make/Model	Setting to apply 2 lbs./1,000 sq. ft.
Central Imperial #1682-G	6 1/2
Central Suburban #1622-O	6 1/1
Cyclone #81	4 1/2
Greenfield #105	6 1/2
Orto #3000	4 1/2
Orto #4000	4 1/2
J. C. Penney #6005	7 1/4
J. C. Penney #Rotary	5
Scott #PP-4	4
Sears Craftsman #871.19108	6

NOTE: Broadcast spreaders such as the Cyclone are dependent on rate of walking and turning speed of the broadcast unit. Carefully calculate the area to be treated and make certain the proper number of pounds is applied to the area. Settings are calculated for spreaders in new condition. Spreaders will vary and must be checked for accuracy.

SPOT TREATMENTS FOR FIRE ANTS & WASPS

ANTS: Apply 1 1/2 tsp. of granules over and around each ant hill. **FIRE ANTS:** To aid in the control of the fire ants in lawns and other recreational areas apply 1/2 cup of this product over, and around each fire ant mound. Immediately after application, water in thoroughly. A minimum of 1 gallon of water should be applied to each mound area. Repeat as necessary. Apply gently to avoid disturbing ants. Use of high pressure watering equipment may disturb the ants and cause migration thus reducing product effectiveness.

NOTE: For best results apply in cool weather, 65 to 80°F, or in early morning or late evening hours. Treat new mounds as they appear. Kills Fire Ants within 24 hours; no walking for days or weeks to get results.

DIGGER WASPS: Apply 1 1/2 teaspoons in and around each nest opening. Apply at dusk when wasps are not active.

BAND & PERIMETER TREATMENTS AROUND HOUSE FOUNDATIONS

The following insects are commonly found around or near the foundation of houses as well as in the lawns. Certain of these may enter the house. ANTS, BROWN DOG TICKS, CLOVER MITER, CRICKETS, EAWIGS, FLEAS, MILLPEDES, BOWBUGS (Billbug), SPRINGTAILS (COLEMBOLA). For control of these insects apply a five foot wide band of this product next to the house foundation. For BAND & PERIMETER TREATMENT distribute granules uniformly at a rate of 3.2 ounces for each 100 sq. ft. of area (3 R. x 20 R.) treated; i.e. one pound treats 500 Sq. Ft. if spread as necessary.

NON MAGGOTS, ROOT MAGGOTS, ROOTWORMS, WIREWORMS.

VEGETABLES - INSECT CONTROL

This product controls certain garden insects on crops listed in the following tables. Apply uniformly as directed for each crop. When a range of rates is given, use the higher rate only for heavier infestations. Unless directions under "Timing and Special Directions" state otherwise for insect control, the granules should be thoroughly mixed into the soil during or immediately after application.

INSECT	DEPTH TO MIX GRANULES INTO SOIL
Surface Cutworms	2-3 inches
Subterranean Cutworms	3-6 "
Cutworms (Unidentified)	4-6 "
Mole Crickets	1-2 "
Root Maggots	3-4 "
Wireworms	4-6 "

TIMING and SPECIAL DIRECTIONS HOW MUCH TO USE - WHEN & HOW TO APPLY

For **ROOT MAGGOTS** on crops as listed below, broadcast and mix 7 to 10 1/2 oz./500 sq. ft. into soil just before planting or transplanting.

For **CUTWORMS** and **SEED CORN MAGGOTS** on crops listed below, broadcast and mix 7 to 14 oz./500 sq. ft. into soil just before planting.

For **MOLE CRICKETS** on crops as listed below broadcast and mix 3 1/2 oz./500 sq. ft. into soil 1-2 days before planting.

For **WIREWORMS** on crops as listed below, broadcast and mix 10 1/2 to 14 oz./500 sq. ft. into soil just before planting.

FOLLOW THESE DIRECTIONS FOR CONTROL OF LISTED INSECTS AS THEY MAY ATTACK THE FOLLOWING PLANTS

BEANS	See Special Instructions below.
BEETS Red/Tails	(Cutworms, Mole Crickets, Wireworms)
BROCCOLI	(Root Maggots, Cutworms, Mole Crickets, Wireworms)
BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER	(Root Maggots, Cutworms, Mole Crickets, Wireworms)
CARROTS	(Cutworms, Mole Crickets, Wireworms)
CELERY	(Cutworms, Wireworms)
COLLARDS	(Cutworms, Mole Crickets, Wireworms)
CUCUMBER	(Cutworms, Wireworms)
ENDIVE, Escarole	(Cutworms, Mole Crickets, Wireworms)
KALE	(Cutworms, Mole Crickets, Wireworms)
LETTUCE	(Cutworms, Mole Crickets, Wireworms)
MELONS	including Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, & Hybrids of these and Watermelons (Cutworms, Wireworms)
MUSTARD	(Mole Crickets)
ONIONS	Green & Bulb; See Special Instructions below.
PARSLEY	(Cutworms, Wireworms)
PEAS	succulent only; do not use on dried pea varieties such as dried black-eyed peas (Cutworms, Wireworms)
PEPPERS	(Cutworms, Mole Crickets, Wireworms)
POTATOES	(Cutworms, surface & subterranean, Wireworms)
Do not use on "Hand Harvested" commercially grown potatoes.	
RADISHES	(Mole Crickets)
SPINACH	(Cutworms, Wireworms)
SQUASH	including Summer and Winter (Cutworms, Wireworms)
SWEET CORN	(Cutworms, Seed Corn Maggot, Wireworms)
See Special Instructions below.	
SWEET POTATOES	(Wireworms, Flea Beetles)
See Special Instructions below.	
SWISS CHARD	(Cutworms, Wireworms)
TOMATOES	(Cutworms, Mole Crickets, Wireworms)
TURNIPS	(Mole Crickets, Wireworms)

Special Instructions

Beans; Onions; Sweet Corn; Sweet Potatoes

BEANS (Pole, Snap, or Lima, succulent only): Do not use on dried bean varieties, such as pintos, dried lima, navy beans, etc.:

For Cutworms broadcast and mix 7 to 14 oz./500 sq. ft. into soil just before planting. For Lesser Cornstalk Borer apply 3 1/2 to 7 oz./500 sq. ft. in a 6 inch band centered over the row when plants are 1/2 to 1 inch high. For Wireworms broadcast and mix 10 1/2 to 14 oz./500 sq. ft. into soil just before planting.

ONIONS green and bulb (Onion Maggots): Apply 7 to 14 oz./500 sq. ft. Broadcast just before planting and mix into top 3 to 4 inches of soil by disking, harrowing or other suitable means. Diazinon may not control organophosphate resistant onion maggots.

SWEET CORN: For European Corn Borer: Apply 3 1/2 to 7 oz./500 sq. ft. over the corn so granules fall into whorls, when 75% of the plants show first-generation larvae feeding. Make a second application 7 days later if needed but not more than 3 applications per season. For second generation: For application as above when there is an average of 1 egg mass per plant. Note: Corn may be picked 10 days following last application. Do not feed fodder to livestock for 10 days following the last application. Do not make more than 3 applications per season.

For Fall Armyworm apply 3 1/2 to 7 oz./500 sq. ft. over the corn so granules fall into whorls when larvae appear. If necessary, application may be repeated twice at 7 day intervals. Do not make more than 3 applications per season.

For Southwestern Corn Borers use at the same rate and method as for European Corn Borer but apply over corn so granules fall into whorls when "second-generation" larvae appear.

SWEET POTATOES: For Wireworm & Flea Beetles use 13 1/2 oz./500 sq. ft. broadcast and mix into soil just before planting. For Southeastern U.S. broadcast same amount over tops of vines when roots begin to enlarge. DO NOT MIX WITH.

NOTICE: Buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label.

03-01-80

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ACCEPTED
with COMMENTS
in EPA Letter Dated:

Under the FIFRA Act, the pesticide has
been amended, for the pesticide
registered under EPA Reg. No.

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MAY 2 1991

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