

192-161

03/14/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ms. Carrie Crawford  
Value Garden Supply, LLC  
P.O. Box 585  
St. Joseph, MO 64502

MAR 14 2002

Dear Ms. Crawford:

Subject: Amendment - Comply with 2000 Diazinon MOA;  
Delete celery;  
Update First Aid per PR Notice 2001-1; and  
Update CSF/replacement diazinon source  
Dexol Diazinon 5% Granules  
EPA Registration Number 192-161  
Your submission dated November 8, 2001

The 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. Under the heading STORAGE AND DISPOSAL, add a subheading PESTICIDE STORAGE with the following text: "Store in original container in a cool, dry, well-ventilated area. Store product in an area inaccessible to children and domestic animals. Do not store near seeds, food, or feed."
  - b. Under the heading STORAGE AND DISPOSAL, replace your proposed text under the subheading PESTICIDE DISPOSAL with the following: "Securely wrap original container in several layers of newspaper and discard in trash."
  - c. Under the heading STORAGE AND DISPOSAL, replace your proposed text under the subheading CONTAINER DISPOSAL with the following: "Do not reuse empty bag. Discard bag in trash." Be sure to retain your proposed NOTE that will follow the revised CONTAINER DISPOSAL directions.

- d. Under the heading HOTLINE NUMBER, correct the spelling of "ORGANOPHOSPHATE", i.e., add the missing "T".
  - e. In the SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS outline box, add items 6 and 7 as follows:
    - 6. Do not apply this product to sites occupied by waterfowl or to sites within 75 ft. pf any body of water that may attract waterfowl, such as lakes or ponds.
    - 7. If it is necessary to repeat application, wait a minimum of 3 weeks between applications, Make no more than 4 applications per year.
  - f. In the directions for lawn use that appear under the list of pests controlled, shorten the sentence that begins "Do not apply directly to water, to areas where..." to read just "Do not apply directly to water."
  - g. In the directions for Fire Ants, in the first sentence revise "in lawns" to read "in home lawns".
  - h. The Agency notes that previous versions of this label included directions for use on the crops Beans and Peas. Since you did not request deletion of those uses, when preparing your finished labeling you may re-add directions (consistent with the rates on the rest of the label) for those two apparently inadvertently omitted crops.
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.
  4. Comply with all applicable provisions of the 2000 Memorandum of Agreement Regarding Pesticide Products Containing Diazinon (i.e., the Diazinon MOA). In accordance with the Diazinon MOA you have requested the following revisions to the conditions of registration for this diazinon product with outdoor non-agricultural (i.e., home and garden) uses:
    - a. You have requested under section 6(f) of FIFRA that this registration be voluntarily canceled on a date not later than December 31, 2004.
    - b. You may not manufacture, label, or release for shipment this product after June 30, 2003.
    - c. You may not sell or distribute this product after August 31, 2003.
    - d. The registration for this product shall expire and be canceled on December 31, 2004.

- e. You will send to every person who directly purchases this product (i.e., to every seller) a notification of Product Recovery Program to be conducted by Syngenta and Makhteshim after December 31, 2004.

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.

The Basic Confidential Statement of Formula (CSF) dated November 8, 2001 which identifies a replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

Sincerely,

George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)

# DEXOL DIAZINON 5% GRANULES

FOR OUTDOOR USE ON THE HOME LAWN AND HOME GARDEN ONLY

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

Use on Lawn to Kill Ants, Chiggers, Brown Dog Ticks, Crickets, Fleas, Fire Ants, Lawn Moths (sod webworms), Sowbugs, White Grubs of Japanese Beetle, Southern Chafer, *Ataenius spretulus* (dung beetles), and Other Listed Insects

Use in Vegetable Gardens to Kill Cutworms, Mole Crickets, Root Maggots, Wireworms and Onion Maggots

TREATS UP TO 2,500 SQ. FT. (5 LB. SIZE)  
TREATS UP TO 5,000 SQ. FT. (10 LB. SIZE)  
TREATS UP TO 10,000 SQ. FT. (20 LB. SIZE)

**Active Ingredient:**

Diazinon [0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate].....	5.0%
Inert Ingredients*.....	95.0%
<b>Total:</b>	<b>100.0%</b>

EPA Reg. No. 192-161  
EPA Est. No. 44616-MO-1

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Side Panel For Additional Precautionary Statements

### NET CONTENTS:

#### ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to birds, fish and wildlife. Birds, especially waterfowl (ducks or geese), feeding or dinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds. Do not apply this product to sites occupied by waterfowl, or within 75 ft. of any body of water that may attract waterfowl, such as ponds or lakes.

Avoid overlapping granules. Follow all watering instructions in the directions for use, however, stop watering before puddling occurs.

Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water. Runoff may be hazardous to fish and other 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 water.

#### STORAGE AND DISPOSAL

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

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal is a violation of Federal law. If pesticide or equipment rinsates cannot be used according to formulation instructions or chemically reprocessed, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or dispose of by other procedures approved by state and local authorities.

**NOTE:** 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 1-800-888-8372, day or night.

### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed, inhaled, or absorbed through the skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor. May cause contact sensitization following repeated contact with skin of susceptible individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not contaminate food or feed. Food utensils, such as tablespoons or measuring cups, must not be used for food purposes after use in measuring pesticides.

#### FIRST AID

This is an organophosphate insecticide.

#### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for treatment advice.

#### IF ON SKIN:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

#### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

#### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

#### HOTLINE NUMBER [ORGANOPHOSPHAE]

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-2-0-9291 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** Contains an organophosphate that inhibits cholinesterase. 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.

**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.

ACCEPTED with COMMENTS by EPA Letter Dated MAR 14 2002  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for this pesticide registered under EPA Reg. No. 192-161

**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 Value Garden Supply, LLC. or the seller. All such risks shall be assumed by the Buyer.

Value Garden Supply, LLC. 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. Value Garden Supply makes no other express or implied warranty of fitness or Merchantability or any other express or implied warranty. In no case shall Value Garden Supply or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Value Garden Supply and the Seller offer this product, and the Buyer and user accept it, subject to the forgoing Conditions of Sale and Warranty, which may be varied only agreement in writing signed by a duly authorized representative of Value Garden Supply, LLC.

Distributed By:  
Value Garden Supply, LLC  
P. O. Box 585  
St. Joseph, MO 64502

**DIRECTIONS FOR USE**

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

**SPECIAL PRECAUTIONS  
TO REDUCE RISKS TO BIRDS**

Birds feeding or drinking on treated areas may be killed. To reduce risks to birds:

1. Do not treat areas larger than 15,000 sq. ft.
2. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20.
3. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl.
4. Avoid overlapping treated areas.
5. Follow all watering instructions included within the directions for use; however, stop watering before puddling occurs.

In Lawns Dexol Diazinon 5% Granules Kill:

Ants	Crickets	Sod webworms
Armyworms	Cutworms	Sowbugs
Bermudagrass mites	Digger wasps	(Pillbugs)
Billbugs	Earwigs	Springtails
Brown dog ticks	Fire Ants*	White grubs of:
Chiggers	Fleas	- European chafer
Chinch bugs	Lawn Moths	- Japanese beetles
Clover mites	Leafhoppers	- Southern changer
	Millipedes	

\*Aids in control

For lawns, follow all watering instructions in the directions for use, however, stop watering before puddling occurs. For lawns, do not apply this product to sites occupied by waterfowl, or within 75 ft. of any body of water which may attract waterfowl, such as ponds or lakes.

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 fish and other 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.

Dexol Diazinon 5% Granules controls certain lawn insects on both grass and dichondra lawns. Apply Dexol Diazinon 5% Granules with a fertilizer spreader. Refer to the tables that follow for use rates and spreader settings.

Pest	Rate*	Timing/Special Directions
Ants, Armyworms, Bermudagrass mites, Brown dog ticks, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Lawn moths(sod webworms), Leafhoppers, Millipedes, Sowbugs(Pillbugs), Springtails( <i>Collembola</i> )	2 lbs. per 1,000 sq.ft.	Apply when grass is dry. Water lawn lightly after application. If necessary, repeat application at 3-week intervals. Make no more than 4 applications per year.
Billbugs, White grubs of Japanese beetle, European chafer, Southern chafer, <i>Ataenius spretulus</i> (dung beetle)	2 lbs. per 1,000 sq.ft.	Water grass with at least ¼ inch of water after application, however, stop watering before puddling occurs.

		<p>For billbug control, apply when activity is first observed or when chewed grass indicates damage. If necessary, repeat application at 3-week intervals. Make no more than 4 applications per year. For grub control, except dung beetle, treat any time between late July and early October. For dung beetle grub control, apply in Spring or Summer when damage is first noticed. Water grass with at least 1/4 inch of water after application, however, stop watering before puddling occurs. Treat again in late Summer or early Fall, if a second generation occurs.</p>
Hyperodes weevils	2 lbs. per 1,000 sq.ft.	Water grass with at least 1/4 inch of water after application, however, stop watering before puddling occurs. Treat problem areas in mid-April and again in mid-May.

,000 sq.ft. = an area 20 ft. X 50 ft.  
 100 sq.ft. = an area 10 ft. X 10 ft.  
 2 lbs. per 1,000 sq.ft. = 3.2 oz. per 100 sq.ft.

**Lawn Spot Treatment**

**Ants:** Apply 1 1/2 teaspoons of Dexol Diazinon 5% Granules over and around each ant hill.

**Fire Ants:** To aid in the control of fire ants in lawns and other outdoor home recreation areas, apply 1/2 cup over, and 2 ft. around each fire ant mound. Immediately after application, water-in thoroughly. Apply gently to avoid disturbing ants. Use of high pressure watering equipment may disturb ants and cause migration, reducing effectiveness. A minimum of 1 gal. of water should be applied to each mound area. Reapply as necessary.

**Note:** For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Works within 24 hours. No waiting for days or weeks. Treat new mounds as they appear.

**Digger wasps:** Apply 1 1/2 teaspoons of Dexol Diazinon 5% Granules in and

around each nest opening. Apply at dusk when wasps are not active.

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#### Band Treatment Around House Foundation

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The following pests are commonly found around or near house foundations, and may enter the house:

Ants	Crickets	Millipedes
Brown dog ticks	Earwigs	Sowbugs (Pillbugs)
Clover mites	Fleas	Springtails ( <i>Collembola</i> )

Apply a 2-foot band of Dexol Diazinon 5% Granules next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. For each 100 sq. ft. of area (2' by 50') treated. If necessary, repeat application at 3-week intervals.

In Gardens Dexol Diazinon 5% Granules Kill:

Cutworms	Onion Maggots	Wireworms
Mole Crickets	Root Maggots	

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Dexol Diazinon 5% Granules 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.

Do not apply this product to food crops grown in greenhouses.

Applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application.

#### SOIL INCORPORATION

Insect	Depth of Mixing or Incorporation into Soil
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 type of cutworm cannot be identified, mix into the soil 4 - 6 inches deep.

Crop	Pest	Rate	Timing/Special Directions
Beets, Red (.ble)	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. 500 sq.ft.	
	Mole Crickets	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Broccoli	Root Maggots	7-10 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
	Mole Crickets	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Brussels Sprouts	Root Maggots	7-10 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	

Carrots	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
	Mole Crickets	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Cauliflower	Root Maggots	7-10 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
	Mole Crickets	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Collards	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
	Mole Crickets	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.

Endive (Escarole)	Cutworms	7-14 oz. per per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
	Mole Cricketts	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Kale	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
	Mole Cricketts	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Lettuce	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
	Mole Cricketts	3 1/3 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Melons (Cantaloupes, Casabas, Conshaws, Honeydews, Muskmelons, Persians, and Hybrids of these), and Watermelons	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
Mustard	Mole Cricketts	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Onions (Bulb and Green)	Onion Maggots	7-14 oz. per 500 sq.ft.	Broadcast just before planting and mix into the top 3-4 inches of soil. Note: Resistant onion maggots will not be controlled by diazinon or similar type insecticides.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.

	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
Radishes	Mole Crickets	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.
Spinach	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
Sweet Corn	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
	Seed Corn Maggots	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil 2 inches just before planting.
Tomatoes	Cutworms	7-14 oz. per 500 sq.ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz. per 500 sq.ft.	
	Mole Crickets	3 1/2 oz. per 500 sq.ft.	Broadcast and mix into soil 1-2 days before planting.

Note: The spreader settings listed below are approximate. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust the spreader setting, if necessary, in order to assure correct rate of application.

**LAWN SPREADER SETTING NO.\*\***  
(To deliver 2 lbs. per 1,000 sq.ft.)

Spreader Make and Model	Setting
Central Imperial Mark No. 1662-G	6 1/2
Central Suburbia Lawn Spreader No. 1622-0	6 1/2
Cyclone Model B1 Rotary	4 1/2
Greenfield Model 105	6 1/2
Ortho Drop Spreader Model 3000	4 1/2
Ortho Broadcast Spreader Model 4000	4 1/2
J.C. Penney Model 6005	7 1/4
J.C. Penney Rotary Spreader	5
Scott Precision Flow Spreader Model PF-4	4
Sears Craftsman Model 671.19198	6

\*\*For application with other types of equipment, apply at the rate of 2 lbs. per 1,000 sq.ft.