



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Gro Tec, Inc.  
c/o Ms. Kim Davis  
Reg West Company  
30856 Rocky Road  
Greeley, CO 80631-9375

NOV 30 2001

Dear Ms. Davis:

Subject: Amendment - Comply with 2000 Diazinon MOA;  
Delete Celery and Pole Beans;  
Update First Aid per PR Notice 2001-1; and  
Update CSF/replacement diazinon source  
5% Diazinon Granules  
EPA Registration Number 59144-2  
Your submission dated June 14, 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. Revise the front panel use site limitation slightly so that it reads "For outdoor use only on the home lawn and the home garden".
  - b. Under the heading Overall Lawn Application, the heading Special Precautions to Reduce Risks to Birds and its associated text should appear within an outline box.
  - c. Under the heading Vegetables - Insect Control, the heading Special Precautions to Reduce Risks to Birds and its associated text should appear within an outline box. Please note that this associated text ends with the single sentence of item 2. The other sentences should be moved down as a separate paragraph. At the end of that paragraph, revise the sentence "Do not apply this product to food crops grown in greenhouses." to read "Do not apply this product in greenhouses.".
  - d. For the crop Sweet Potatoes, delete the pest Flea Beetles. Pre-plant application of granular product will not control this foliar pest.

- e. In the If Swallowed advice of the First Aid section, add as the fourth item:
- Do not give anything by mouth to an unconscious or convulsing person.
- f. In the Environmental Hazards, shorten the sentence beginning "Do not apply direct to water, or to areas..." to just "Do not apply directly to water."
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 June 14, 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)

## 5% DIAZINON GRANULES

Lawn & Garden Insect Control

Effective Outdoor Ant Control

Kills Home Invading Insects

Kills Ants, Brown Dog Ticks, Crickets, Earwigs, Millipedes and Sowbugs

For Outdoor Use Around Home Foundations

Ready-to-Use Granules  
Contains 5% Diazinon Insecticide

For Outdoor Use Only on the Home Lawn and in the Home Garden

This product must not be used on golf courses or sod farms

Treats Up To \_\_\_\_\_ Sq. Ft.

Kills 15+ Insects such as  
Chinchbugs, Fleas, Earwigs, Crickets, Ants

**Active Ingredient:**

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

5.0%

**Other Ingredients** .....

95.0%

Total ..... 100.0%

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**NOV 30 2001**

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

59144-2

**Keep Out of Reach of Children**

**CAUTION**

See back panel for additional precautionary statements.

Net Weight \_\_\_\_\_ lbs.

EPA Reg. No. 59144-2

EPA Est. 59144-GA-1

Manufactured by  
Gro Tec, Inc.  
P.O. Box 290  
Madison, GA 30650



1-888-648-8955  
1-800-424-9300

**Product Usage:**

**Kills:** Ants, Earwigs, Fire Ants\*, Crickets, Fleas, Brown Dog Ticks, Cutworms, Digger Wasps and More. \*Aids in Control.  
**Use On:** Home Lawns, Home Gardens and Around House Foundations  
**Amount to Use:** 3.2 oz. per 100 sq. ft., 1½ teaspoons per ant hill, or ½ cup per fire ant mound. (See below for exact application rates.)

**In Lawns Kills:**

Ants, Armyworms, Bermudagrass Mites, Billbugs, Brown Dog Ticks, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Digger Wasps, Earwigs, Fire Ants,\* Fleas, Lawn Moths, Leafhoppers, Millipedes, Sod Webworms, Sowbugs (pillbugs), Springtails and White Grubs of European Chafer, Japanese Beetle and Southern Chafer. \*Aids in control.

**In Gardens Kills:**

Cutworms, Mole Crickets, Onion Maggots, Root Maggots, Wireworms.

**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.**

**Overall Lawn Application:**

**Special Precautions to Reduce Risk to Birds:**

Birds, especially waterfowl (ducks or geese) 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, NY 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 in the directions for use, however stop watering before puddling occurs.
6. Do not apply this product to sites occupied by waterfowl or to sites within 75 ft. of 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.

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

Pests	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 1000 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, Dung Beetle		Water grass with at least ¼" of water after application, however stop watering before puddling occurs. 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 ¼" of water after application, however stop watering before puddling occurs. Treat again in late summer or early fall if a second generation occurs.
Hyperodes Weevils		Water grass with at least ¼" of water after application, however stop watering before puddling occurs. Treat problem areas in mid-April and again in mid-May.
European Crane Fly (larvae)		Water grass with at least ¼" of water after application, however stop watering before puddling occurs. Consult the county Cooperative Extension Agent for timing in your area.
*1000 sq. ft. = 20 ft. x 50 ft.; 100 sq. ft. = an area 10 ft. x 10 ft.; 2 lbs./1000 sq. ft. = 3.2 oz./100 sq. ft.		

### **Lawn Spot Treatment:**

**Ants:** Apply 1½ teaspoons of this product over and around each anthill.

**Fire Ants:** To aid in the control of fire ants in lawns and other outdoor home recreation areas, apply ½ 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 the ants and cause migration, reducing product effectiveness. A minimum of 1 gallon of water should be applied to each mound area. **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 1½ teaspoons of this product in and around each nest opening. Apply at dusk when wasps are not active.

### **Band Treatment Around House Foundation:**

The following insects are commonly found around or near house foundations and may enter the house: Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs) and Springtails (*Collembola*). Apply a 2-foot band of this product next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 sq. ft. (2 ft. x 50 ft.) of area treated. If necessary, repeat application at 3-week intervals.

### **Vegetables – Insect Control:**

#### **Special Precautions to Reduce Risk to Birds:**

Birds feeding on treated areas may be killed. To reduce risk to birds:

1. Thoroughly mix this product into the soil during or immediately after application. Refer to the **Soil Incorporation** table that follows.
  2. Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into the soil.
- This product controls certain garden insects on crops listed in the following table. 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 to 3 inches
Subterranean Cutworms*	3 to 6 inches
Cutworms (Unidentified)	4 to 6 inches
Mole Crickets	1 to 2 inches
Root Maggots	3 to 4 inches
Wireworms	4 to 8 inches

\*If type of cutworm cannot be identified mix into soil 4-6 inches deep.

Crop	Pest	Rate (Ounces per 500 Sq. Ft.)	Timing/Special Directions Broadcast and Mix Into Soil
Beans (Lima and Snap) – succulent only	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Note: Do not use on dried bean varieties such as pintos, dried limas or navy beans.		
Beets, Red (Table)	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Broccoli	Root Maggots	7 to 10½ oz.	Just before planting or transplanting.
	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	

Crop	Pest	Rate (Ounces per 500 Sq. Ft.)	Timing/Special Directions Broadcast and Mix Into Soil
Brussels Sprouts	Root Maggots	7 to 10½ oz.	Just before planting or transplanting.
	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ - 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Cabbage	Root Maggots	7 to 10½ oz.	Just before planting or transplanting.
	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Carrots	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Cauliflower	Root Maggots	7 to 10½ oz.	Just before planting or transplanting.
	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Collards	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Cucumber	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
Endive	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Kale	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Lettuce	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Melons (including Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians and hybrids of these) and Watermelons	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
Mustard Greens	Mole Crickets	3½ oz.	1 – 2 days before planting.
Onions (Bulb and Green)	Onion Maggots	7 to 14 oz.	Just before planting and mix into the top 3 to 4 inches of soil.
	Wireworms	10½ to 14 oz.	Just before planting.
Note: Resistant onion maggots will not be controlled by diazinon or similar type insecticides.			
Parsley	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
Peas (succulent only)	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
Note: Do not use on dried pea varieties such as dried black eye peas.			
Peppers	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Potatoes	Cutworms (surface & subterranean)	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
Radishes	Mole Crickets	3½ oz.	1 – 2 days before planting.
Spinach	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
Squash (Summer and Winter)	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	

Crop	Pest	Rate (Ounces per 500 Sq. Ft.)	Timing/Special Directions Broadcast and Mix Into Soil
Sweet Corn	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Seed Corn Maggots	7 to 14 oz.	Into 2 inches of soil just before planting.
Sweet Potatoes	Wireworms	10½ to 14 oz.	Just before planting.
	Flea Beetles		
Swiss Chard	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
Tomatoes	Cutworms	7 to 14 oz.	Just before planting.
	Wireworms	10½ to 14 oz.	
	Mole Crickets	3½ oz.	1 – 2 days before planting.
Turnips	Mole Crickets	3½ oz.	1 – 2 days before planting.
	Wireworms	10½ to 14 oz.	Just before planting.

#### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal

**Storage:** 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 fertilizers, herbicides, other insecticides, seeds, food or feed.

**Pesticide Disposal:** Do not reuse empty bag. Discard bag in trash. 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 CHEMTREC 1-800-424-9300 day or night.

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed or absorbed through skin. Causes moderate eye injury. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating or smoking. 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. Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

#### First Aid

This product contains diazinon, an organophosphate insecticide that inhibits cholinesterase.

<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to by a poison control center or doctor.</li> </ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. [You may also call 1-800-424-9300 for emergency medical treatment advice.]

**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.

{Note: The first aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}

#### Environmental Hazards

This product is highly toxic to birds, fish and other wildlife. Birds, especially waterfowl (ducks or geese), feeding or drinking 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, NY, between November 1 and May 20. Do not exceed maximum permitted label

rates. Application rates above those recommended significantly increase potential hazards to birds. Avoid overlapping granules. Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into the soil.

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, that 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 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 or other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment washwater.

**Warranty and Disclaimer:**

Gro Tec, Inc. guarantees this product to the extent of the purchase price, only when used according to the directions.

[For more information call:  
1-888-648-9855

In case of emergency call:  
1-800-424-9300]

[ ] Denotes alternate/optional language

{ } Denotes language that does not appear on the market label