

10163-104

3/25/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ms. Terre Farrell  
Gowan Company  
P.O. Box 5569  
Yuma, AZ 85366-5569

MAR 25 2002

Dear Ms. Farrell:

Subject: Amendment - Comply with 2000 Diazinon MOA;  
Delete Beans, Celery, Cucumbers, Parsley,  
Peas, Peppers, Potatoes, Summer Squash,  
Winter Squash, Sweet Potatoes, Swiss Chard,  
Turnips, and Indoor Ornamentals  
Update First Aid per PR Notice 2001-1; and  
Update CSF/replacement diazinon source

Diazinon 14G  
EPA Registration Number 10163-104  
Your submission dated September 19, 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. Directly under the heading FIRST AID add "Organophosphate".
  - b. In the last item of the If Swallowed advice in the FIRST AID section, revise "...an unconscious person" to read "...an unconscious or convulsing person".
  - c. In the AGRICULTURAL USE REQUIREMENTS block, correct the REI to read 24 hours rather than 12 hours.
  - d. Under the heading RECOMMENDATIONS, revise the sentence "Do not apply this product to food crops grown in greenhouses." to read "Do not apply this product in greenhouses."
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

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 September 19, 2001 and the Alternate CSF dated September 19, 2001 which identify replacement diazinon source Manufacturing Use Products are acceptable and have been added to this product's registration file.

Sincerely,

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

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**RESTRICTED USE PESTICIDE  
DUE TO AVIAN AND AQUATIC TOXICITY**  
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

# GOWAN DIAZINON 14G

A granular insecticide for control of certain insects including wireworms, cutworms, and other crops.

<b>ACTIVE INGREDIENT:</b>	<b>% By Wt.</b>
O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate.....	14.3%
<b>INERT INGREDIENTS:</b> .....	85.7%
	<b>TOTAL 100.0%</b>

## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
<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 do so by they poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person.</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 by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further 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 in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-478-0798 for emergency medical treatment information.	
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.	

**FOR EMERGENCY MEDICAL RESONSE AND HAZARD COMMUNICATION ONLY,  
CALL HAZARD INFORMATION SERVICES AT 1-888-478-0798.**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed, absorbed through skin, or inhaled. May cause irritation of eyes, nose, throat and skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Do not store near food or feed products. Do not contaminate ornamental fish ponds.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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.

**Engineering Controls Statements:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ACCEPTED NET CONTENTS \_\_\_\_\_ LBS.  
with COMMENTS  
In EPA Letter dated  
MAR 25 2002

EPA Reg. No. 10163-104  
EPA Est. No. 67545-AZ-1



Gowan Company  
P.O. Box 5569  
Yuma, AZ 85366-5569

10163-104

**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 of 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 washwaters.

**WORKER 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 Gowan Diazinon 14G 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.

**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.

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 you State or Tribe, consult the agency responsible for pesticide regulation.

**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. 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 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

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

**RECOMMENDATIONS**

Unless direction 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.

Gowan Diazinon 14G 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.

**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 instructions that follow.
2. Cover or incorporate spilled granules.

Note: Soil Incorporation - unless directions state otherwise, for control of pests listed below Gowan Diazinon 14G should be incorporated into the soil during or 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 LBS./ACRE	COMMENTS
BEETS, RED (table)	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
BROCCOLI BROCCOLINI BROCCOFLOWER	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Root Maggots	14-21	Broadcast and incorporate into soil just before planting or transplanting.

VEGETABLE CROPS (Continued)

CROP	PEST	RATE LBS./ACRE	COMMENTS
BRUSSELS SPROUTS	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Root Maggots	14-21	Broadcast and incorporate into soil just before planting or transplanting.
CABBAGE, CHINESE BROCCOLI, CHINESE CABBAGE, (Bok Choy and Napa), CHINESE MUSTARD (Gai Choy) (10)	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Root Maggots	14-21	Broadcast and incorporate into soil just before planting or transplanting.
CARROTS	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
CAULIFLOWER	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
	Root Maggots	14-21	Broadcast and incorporate into soil just before planting or transplanting.
COLLARDS	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
ENDIVE (ESCAROLE)	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
GINSENG	Cutworms, Climbing Cutworms, Wireworms, White Grubs	14-28	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 21 lbs. per acre in the Spring or late Summer through early Fall. Incorporate mechanically with 1/2 inch of irrigation.
			<ul style="list-style-type: none"> <li>Do not apply more than once per growing season.</li> <li>Do not apply within 12 months of harvest.</li> </ul>
KALE	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
LETTUCE	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
MELONS (CANTALOUPE, CASABAS, CRENSHAW, HONEYDEW, MUSKMELONS, PERSIANS, and hybrids of these) and WATERMELONS	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
MUSTARD	Mole Crickets	7	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	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	Broadcast and incorporate into soil just before planting.
RADISHES	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.
SPINACH	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	

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**VEGETABLE CROPS (Continued)**

CROP	PEST	RATE LBS./ACRE	COMMENTS
SWEET CORN	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Seed Corn Maggots	14-28	Broadcast just before planting and incorporate into the soil 2 inches.
TOMATOES	Cutworms	14-28	Broadcast and incorporate into soil just before planting.
	Wireworms	21-28	
	Mole Crickets	7	Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

**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.

Gowan Diazinon 14G should be applied uniformly as directed for each crop.

CROP	PEST	RATE/ACRE	COMMENTS
SUGAR BEETS	Sugar Beet Root Maggots	7-14 lbs. or 4.7-9.4 oz per 1,000 linear ft. of row	Apply a 5-7 inch band (based on 22" row spacing) incorporated 2-3 inches at planting.
	Wireworms	21-28 lbs.	Broadcast and incorporate into the soil 4-8 inches just before planting.
<ul style="list-style-type: none"> <li>• Do not apply more than 28 lbs. of Gowan Diazinon 14G per acre to the soil per season.</li> </ul>			

**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 DISPOSAL:** Pesticide or equipment rinsate that cannot be used according to label instructions may be disposed on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** 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.

**FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL CHEMTREC® (800) 424-9300.**  
 For other product information, contact Gowan Company or see Material Safety Data Sheet.

**NOTICE ON CONDITIONS OF SALE**

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

EPA Text Pending Per MOA  
 9-19-01