

P011

10163-104

1.1.10

JUN - 7 1995

Mr. Ron Berens
GOWAN
P.O. Box 5569
Yuma, Az 85366-5569

Dear Mr. Berens:

Subject: Amendments- Revise per Diazinon Registration Standard,
Revise per Worker Protection Standard
GOWAN DIAZINON 14G
EPA Registration No. 10163-104
Your submission dated February 22, 1995

This amendments referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), are 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. In the ingredients statement, relocate "Diazinon" in the next line under "Active Ingredient" (be sure to capitalize the "I" of "Ingredient") and "% By Wt." You may want to put the formula name in brackets to separate it from the common name diazinon.
 - b. In If Swallowed advice of the STATEMENT OF PRACTICAL TREATMENT, revise the last sentence to read as follows:

Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.
 - c. Under DIRECTIONS FOR USE, change "Federal Law" to "Federal law".

1.1.10

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

21110

**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.**

ACCEPTED
with COMMENTS
in EPA Letter Dated

GOWAN DIAZINON 14G

**A granular insecticide for control of certain insects including wireworms,
cutworms, and other crop pests**

JUN - 7 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
recommended for the pesticide
registered under EPA Reg. No.
10163-104

Active ingredient: Diazinon	% By Wt.
0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl)phosphorothioate.....	14.3%
Inert Ingredients:	85.7%
	TOTAL 100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FOR 24-HOUR EMERGENCY ASSISTANCE CALL CHEMTREC (800) 424-9300.

For other product information, contact Gowan Company or see Material Safety Data Sheet.

NET WEIGHT _____ POUNDS

EPA Reg No. 10163-104

Gowan Company

P.O. Box 5569

EPA Est. No. 67545-AZ-1

Yuma, AZ 85366-5569

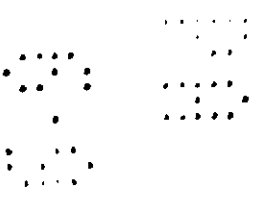
**STATEMENT OF PRACTICAL TREATMENT
Organophosphate Insecticide**

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 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 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.

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

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 Control 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 [40 CFR 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.

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 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 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.

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 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.

RECOMMENDATIONS

Unless 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.

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 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.

Beans (Lima, Pole, and Snap) (succulent varieties only): Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

Beets, Red (Table): Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets. Use 7 lbs per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

Broccoli: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting. Root Maggots: Broadcast and incorporate 14-21 lbs. per acre into soil just before planting or transplanting.

Brussels Sprouts: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting. Root Maggots: Broadcast and incorporate 14-21 lbs. per acre into soil just before planting or transplanting.

Cabbage: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting. Root Maggots: Broadcast and incorporate 14-21 lbs. per acre into soil just before planting or transplanting.

Carrots: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

Cauliflower: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting. Root Maggots: Broadcast and incorporate 14-21 lbs. per acre into soil just before planting or transplanting.

Celery: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

Collards: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

Cucumbers: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

Endive (Escarole): Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

Ginseng: Cutworms, Climbing cutworms, Wireworms, White grubs: In new beds, broadcast 14-28 lbs. per acre 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.

Note: Do not apply more than once per growing season. Do not apply within 12 months of harvest.

Kale: Cutworms: Use 14-23 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

Lettuce: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

Melons (Cataloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and Hybrids of these) and Watermelons: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

Mustard: Mole Crickets: Broadcast and incorporate 7 lbs. per acre into plant beds or fields 1-2 days before sowing of seed or transplanting.

Onions (Bulb and Green): Onion Maggots: Broadcast 14-28 lbs. per acre just before planting and incorporate into the top 3-4 inches of soil. **Note:** Diazinon will not control organophosphate-resistant onion maggots. Wireworms: Broadcast and incorporate 21-28 lbs. per acre into soil just before planting.

Parsley: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

Peas (succulent varieties only): Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

Peppers: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

Potatoes: Cutworms (Surface and Subterranean): Use 14-28 lbs. per acre. Wireworms: Use 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: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

Spinach: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

Squash (Summer and Winter): Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

Sweet Corn: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Seed Corn Maggots: Broadcast 14-28 lbs. per acre just before planting and incorporate into the soil 2 inches.

Sweet Potatoes: Flea Beetles, Wireworms: Broadcast and incorporate 21 lbs. per acre into soil just before planting.

Swiss Chard: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting.

Tomatoes: Cutworms: Use 14-28 lbs. per acre. Wireworms: Use 21-28 lbs. per acre. Broadcast and incorporate into soil just before planting. Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting.

Turnips: Mole Crickets: Use 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1-2 days before sowing of seed or transplanting. Wireworms: Use 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.

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

Sugar Beets: Sugar Beet Root Maggots. Use 7-14 lbs. per acre or 4.7-9.4 oz per 1,000 liner ft. of row. Apply a 5-7 inch band (based on 22" row spacing) incorporated 2-3 inches at planting. Wireworms. Broadcast and incorporate 21-28 lbs. per acre into the

soil 4-8 inches just before planting. **Note:** Do not apply more than 28 lbs. of Gowan Diazinon 14G 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.

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.

Rev. 2/95