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JUN - 6 1995

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

Dear Mr. Berens

Subject: Amendments- Change from homeowner use to Restricted Use,
Revise per Diazinon Registration Standard,
Revise per Worker Protection Standard
Add 2 Alternate Formulas

GOWAN DIAZINON 5G

EPA Registration No. 10163-116

Your label submission dated February 22, 1995
and your Confidential Statements of Formula
dated September 22, 1994

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" and "% By Wt." You may want to put the formula name in brackets to separate it from the common name diazinon.
 - b. In the second sentence of the Environmental Hazards, relocate the comma from after "waterfowl" to appear after "(ducks or geese)".
 - c. Under **DIRECTIONS FOR USE**, change "Federal Law" to "Federal law".
 - d. In the second item of the **Special Precautions to Reduce Risks to Birds** under the heading **VEGETABLES- INSECT CONTROL**, correct the spelling of "thoroughly".

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.

The two alternate Confidential Statements of Formula dated September 22, 1994 are acceptable and have been added to this product's registration file.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

3913

**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.**

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

GOWAN DIAZINON 5G

Ready-to-use granules

ACCEPTED
with COMMENTS
in EPA Letter Dated
JUN - 6 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10163-116

Active ingredient: Diazinon	% By Wt.
0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	5%
Inert Ingredients:	95%
TOTAL 100%	

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. 10163-116

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 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.

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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 or absorbed through skin. Causes moderate eye injury. Avoid contact with skin, eyes, or clothing. 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.

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.

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, (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, 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. Avoid overlapping of 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 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.

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

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants in farms, forests, nurseries, or greenhouses.

- Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

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 5G 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.

In Lawns Diazinon 5G Kills:

Ants	Crickets	Sod webworms
Armyworms	Cutworms	Sowbugs
Bermudagrass mites	Digger wasps	(Pillbugs)
Billbugs	Earwigs	Springtails
Brown dog ticks	Fire ants*	<i>White grubs of:</i>
Chiggers	Fleas	- European chafer
Chinch bugs	Lawn moths	- Japanese beetle
Clover mites	Leafhoppers	- Southern chafer
	Millipedes	*Aids in control

In Gardens Diazinon 5G Kills:

Cutworms	Onion maggots	Wireworms
Mole crickets	Root maggots	

OVERALL LAWN APPLICATION

Special Precautions To Reduct Risk To Birds from Application to Lawns

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, 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 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 5G controls certain lawn insects on both grass and dichondra lawns. Apply Diazinon 5G with fertilizer spreader. Refer to the following label statements for use rates, and spreader settings.

Ants, Armyworms, Bermdagrass mites, Brown dog ticks, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Lawn moths (sod webworms), Leafhoppers, Millipedes, Sowbugs (Pillbugs), Springtails (Collembola): Use 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, *Ataenius spretulus* (dung beetle): Use 2 lbs. per *1,000 sq. ft. Water grass with at least ¼ inch 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 inch of water after application; however, stop watering before puddling occurs. Treat again in late Summer or early Fall, if a second generation occurs.

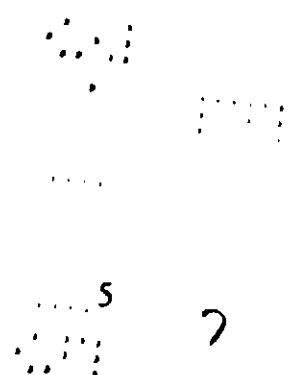
Hyperodes weevils: Use 2 lbs. per *1,000 sq. ft. Water grass with at least ¼ inch of wter after application; however, stop watering before puddling occurs. Treat problem areas in mid-April and again in mid-May.

- *1,000 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.

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	6½
Central Suburbia Lawn Spreader No. 1622-0	6½
Cyclone Model B1 Rotary	4½
Greenfield	6½



89 B

Model 105

ORTHO

Drop Spreader 4½
Model 3000

ORTHO

Broadcast Spreader 4½
Model 4000

J.C. Penney 7¼
Model 6005

J.C. Penney 5
Rotary Spreader

Scott
Precision Flow Spreader 4
Model PF-4

Sears Craftsman 6
Model 671.19198

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

Lawn Spot Treatment

Ants: Apply 1½ teaspoons of Diazinon 5G 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 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 1½ teaspoons of Diazinon 5G in and around each nest opening. Apply at dusk when wasps are not active.

Band Treatment Around House Foundation

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 (Collembola) |

Apply a 2-foot band of Diazinon 5G 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.

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 Diazinon 5G into the soil during or immediately after application. Refer to the Soil Incorporation instructions that follow.
2. Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into the soil.

Diazinon 5G controls certain insects on crops listed in the following use directions. 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 incorporated into the soil during or after application.

SOIL INCORPORATION

Insect	Dept 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

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Wireworms

4-8 inches

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

Beans (Lima, Pole and Snap) (succulent only): Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. **Note:** Do not use on dried bean varieties, such as pintos, dried limas, or navy beans.

Beets, Red (Table): Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Broccoli: Root Maggots: Use 7-10½ oz. per 500 sq. ft. Broadcast and mix into soil just before planting or transplanting. Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Brussels Sprouts: Root Maggots: Use 7-10½ oz. per 500 sq. ft. Broadcast and mix into soil just before planting or transplanting. Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Cabbage: Root Maggots: Use 7-10½ oz. per 500 sq. ft. Broadcast and mix into soil just before planting or transplanting. Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Carrots: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Cauliflower: Root Maggots: Use 7-10½ oz. per 500 sq. ft. Broadcast and mix into soil just before planting or transplanting. Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Celery: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Collards: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Cucumbers: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Endive (Escarole): Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Kale: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Lettuce: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and Hybrids of these), and Watermelons: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Mustard: Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Onions (Bulb and Green): Onion Maggots: Use 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: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Parsley: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Peas (succulent only): Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Note: Do not use on dried pea varieties such as dried blackeyed peas.

Peppers: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Potatoes: Cutworms (Surface and Subterranean): Use 7-14 oz. per 500 sq. ft.
Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Radishes: Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Spinach: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Squash (Summer and Winter): Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Sweet Corn: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Seed Corn Maggots: Use 7-14 oz. per 500 sq. ft. Broadcast and mix into soil 2 inches just before planting.

Sweet Potatoes: Wireworms, Flea Beetles: Use 10½ oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Swiss Chard: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

Tomatoes: Cutworms: Use 7-14 oz. per 500 sq. ft. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting. Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting.

Turnips: Mole Crickets: Use 3½ oz. per 500 sq. ft. Broadcast and mix into soil 1-2 days before planting. Wireworms: Use 10½-14 oz. per 500 sq. ft. Broadcast and mix into soil just before planting.

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 of 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.