

NOV - 7 2000

Ms. Jo Jay Raffelson
Gowan Company
P.O. Box 5569
Yuma, AZ 85366-5569

Dear Ms. Raffelson:

Subject: Amendment - add broccolini and broccoflower
and First Aid section per PR Notice 2000-3
Gowan Diazinon 5G
EPA Registration Number 10163-116
Your submission dated October 24, 2000

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. In the First Aid section, relocate the If swallowed advice to appear as the first item, i.e., above the If inhaled advice.
 - b. In the Agricultural Use Requirements block, correct the REI to 24 hours rather than 12 hours.
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.

Sincerely,

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

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

ACTIVE INGREDIENT:

Diazinon: O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 5.0%

INERT INGREDIENTS 95.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for further treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 1-800-228-5635 EXT. 283 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.	

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 (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.

USER SAFETY RECOMMENDATIONS
<p>Users should:</p> <ul style="list-style-type: none"> • 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.

NET CONTENTS _____ POUNDS

EPA Reg. No. 10163-116
EPA Est. No. 67515-AZ 1



ACCEPTED
with COMMENTS
In EPA Letter Dated:
NOV - 7 2000

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

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
10163-116

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 highwater 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 washwaters.

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 STATEMENT OF 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*	White grubs of:
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 Reduce 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.

Gowan 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, Bermudagrass 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 water 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	6 ½
Central Suburbia Lawn Spreader, No. 1622-0	6 ½
Cyclone; Model B1 Rotary	4 ½
Greenfield; Model 105	6 ½
ORTHO Drop Spreader; Model 3000	4 ½
ORTHO Broadcast Spreader; Model 4000	4 ½
J.C. Penney; Model 6005	7 ¼
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.

LAWN SPOT TREATMENT

PEST	RATE	COMMENTS
ANTS	1 ½ tsp.	Apply over and around each anthill.
FIRE ANTS	½ cup	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. 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	1 ½ tsp.	Apply 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

Special Precautions to Reduce Risks to Birds

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

1. Thoroughly mix Gowan 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.

SOIL INCORPORATION

Insect	Depth of Mixing or Incorporation Into Soil
Surface Cutworms*	2 to 3 in.
Subterranean Cutworms*	3 to 6 in.
Mole Crickets	1 to 2 in.
Root Maggots	3 to 4 in.
Wireworms	4 to 8 in.

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

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 labeled pests should be thoroughly incorporated into the soil during or after application according to SOIL INCORPORATION guidelines.

CROP	PEST	RATE OZS./500 SQ. FT.	COMMENTS
BEANS (Pole, Snap, or Lima) (succulent only)	Cutworms	7-14	Broadcast and mix into soil just before planting.
	Wireworms	10 ½ -14	
BEETS, RED (Table)	Cutworms	7-14	Broadcast and mix into soil just before planting.
	Wireworms	10 ½ -14	
	Mole Crickets	3 ½	
BROCCOLI BROCCOLINI BROCCOFLOWER	Root Maggots	7-10 ½	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14	
	Wireworms	10 ½ -14	
	Mole Crickets	3 ½	
BRUSSELS SPROUTS	Root Maggots	7-10 ½	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14	
	Wireworms	10 ½ - 14	
CABBAGE	Mole Crickets	3 ½	Broadcast and mix into soil 1-2 days before planting.
	Root Maggots	7-10 ½	
	Cutworms	7-14	
CARROTS	Wireworms	10 ½ - 14	Broadcast and mix into soil just before planting.
	Mole Crickets	3 ½	
	Cutworms	7-14	
	Wireworms	10 ½ -14	
CAULIFLOWER	Mole Crickets	3 ½	Broadcast and mix into soil 1-2 days before planting.
	Root Maggots	7-10 ½	
	Cutworms	7-14	
	Wireworms	10 ½-14	
CELERY	Mole Crickets	3 ½	Broadcast and mix into soil 1-2 days before planting.
	Cutworms	7-14	
	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.

VEGETABLES (Continued)

CROP	PEST	RATE OZS./500 SQ. FT.	COMMENTS
COLLARDS	Cutworms	7-14	Broadcast and mix into soil just before planting.
	Wireworms	10 ½ -14	
	Mole Crickets	3 ½	
CUCUMBERS	Cutworms	7-14	Broadcast and mix into soil just before planting.
	Wireworms	10 ½ -14	
ENDIVE (Escarole)	Cutworms	7-14	Broadcast and mix into soil just before planting.
	Wireworms	10 ½ -14	
	Mole Crickets	3 ½	
KALE	Cutworms	7-14	Broadcast and mix into soil just before planting.
	Wireworms	10 ½ -14	
	Mole Crickets	3 ½	
LETTUCE	Cutworms	7-14	Broadcast and mix into soil just before planting.
	Wireworms	10 ½ -14	
	Mole Crickets	3 ½	
MELONS (Cantaloupes, Casabas, Crenshaws, Honeydew, Musk- melons, Persians, and hybrids of these), WATERMELONS	Cutworms	7-14	Broadcast and mix into soil just before planting.
	Wireworms	10 ½ -14	
MUSTARD	Mole Crickets	3 ½	Broadcast and mix into soil 1-2 days before planting.
ONIONS (Bulb and Green)	Onion Maggot	7-14	Broadcast just before planting and mix into the top 3-4 inches of soil.
	• Note: Resistant onion maggot will not be controlled by diazinon or similar type insecticides.		
PARSLEY	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Cutworms	7-14	Broadcast and mix into soil just before planting.
PEAS (succulent only)	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Cutworms	7-14	
PEPPERS	• Do not use on dried pea varieties such as dried black-eyed peas.		
	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Cutworms	7-14	
POTATOES	Mole Crickets	3 ½	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Cutworms (Surface and Subterranean)	7-14	
RADISHES	Mole Crickets	3 ½	Broadcast and mix into soil 1-2 days before planting.
SPINACH	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Cutworms	7-14	
SQUASH (Summer and Winter)	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Cutworms	7-14	
SWEET CORN	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Cutworms	7-14	
	Seedcorn Maggot	7-14	Broadcast and mix into soil 2 inches just before planting.
SWEET POTATOES	Wireworms, Flea Beetles	10 ½	Broadcast and mix into soil just before planting.
SWISS CHARD	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Cutworms	7-14	
TOMATOES	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Cutworms	7-14	
	Mole Crickets	3 ½	
TURNIPS	Wireworms	10 ½ -14	Broadcast and mix into soil just before planting.
	Mole Crickets	3 ½	

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 of 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.

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.

**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: Diazinon 5G(add broccoli, broccoflower) (10-24-00).doc