

Reg # 10163-116

PM-13

175

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

GOWAN DIAZINON 5G

**Ready-to-use granules
For use on the home lawn and home garden only**

Active Ingredient: Diazinon

O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate..... 5%

Inert Ingredients: 95%

Total 100%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

ACCEPTED
DEC 30 1993
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 10163-116

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

EPA Est. No. 10163-AZ-1

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

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 chafar |
| Chinch bugs | Lawn moths | • Japanese beetle |
| Clover mites | Leathoppers | • Southern chafar |
| | Millipedes | • Aids in control |

In Gardens Diazinon^{5G} kills

| | | |
|---------------|---------------|-----------|
| Cutworms | Onion maggots | Wireworms |
| Mole crickets | Root maggots | |

Diazinon^{5G} controls certain lawn insects on both grass and dictondra lawns. Apply Diazinon^{5G} with fertilizer spreader. Refer to the tables that follow for use rates and spreader settings.

| Pest | Rate * | Timing/Special Directions |
|---|--------------------------|---|
| Ants, Armyworms, Bermudagrass mites, Brown dog ticks, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Lawn moths (sod webworms), Leathoppers, Millipedes, Sowbugs (Pillbugs), Springtails (Collembola) | 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 chafar, Southern chafar, <i>Abaenus spretulus</i> (dung beetle) | 2 lbs. per 1,000 sq. ft. | Water grass with at least 1/4 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 1/4 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 | 2 lbs. per 1,000 sq. ft. | Water grass with at least 1/4 inch of water after application, however, stop watering before puddling occurs. Treat problem areas in mid-April and again in mid-May. |

NOTICE ON CONDITIONS OF SALE

Our recommendations for use of this product are based upon test 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 damage, resulting from its misuse as such, or in combination with other materials.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

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, 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.

* 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.

BEST AVAILABLE COPY

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 1/2 |
| Central Suburbia Lawn Spreader No. 1622-0 | 6 1/2 |
| Cyclone Model B1 Rotary | 4 1/2 |
| Greenfield Model 105 | 6 1/2 |
| ORTHO Drop Spreader Model 3000 | 4 1/2 |
| ORTHO Broadcast Spreader Model 4000 | 4 1/2 |
| J. C. Penney Model 6005 | 7 1/4 |
| 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

Ants: Apply 1 1/2 teaspoons of Diazinon⁵⁶ over and around each ant hill.

Fire ants: To aid in the control of fire ants in lawns and other outdoor home recreation areas, apply 1/2 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 1 1/2 teaspoons of Diazinon⁵⁶ 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 | Sawbugs (Pillbugs) |
| Clover mites | Fleas | Springtails (Collembola) |

Apply a 2-foot band of Diazinon⁵⁶ next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 sq. ft. of area (5' by 20') 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 Diazinon⁵⁶ 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.

Diazinon⁵⁶ controls certain garden insects on crops listed in the following tables. 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* | 2-3 inches |
| Subterranean cutworms* | 3-6 inches |
| Mole crickets | 1-2 inches |
| Root maggots | 3-4 inches |
| Wireworms | 4-6 inches |

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

| Crop | Pest | Rate | Timing/Special Directions |
|--|-----------|-------------------------------|---|
| Beans (Lima, Pole and Snap) (succulent only) | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10 1/2-14 oz. per 500 sq. ft. | |

Note: Do not use on dried bean varieties, such as pinos, dried limas, or navy beans.

| | | | |
|--------------------|---------------|-------------------------------|--|
| Beets, Red (Table) | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10 1/2-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3 1/2 oz. per 500 sq. ft. | |
| Broccoli | Root Maggots | 7-10 1/2 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting or transplanting. |
| | Cutworms | 7-14 oz. per 500 sq. ft. | |
| | Wireworms | 10 1/2-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3 1/2 oz. per 500 sq. ft. | |
| Brussels Sprouts | Root Maggots | 7-10 1/2 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting or transplanting. |
| | Cutworms | 7-14 oz. per 500 sq. ft. | |
| | Wireworms | 10 1/2-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3 1/2 oz. per 500 sq. ft. | |

| Crop | Pest | Rate | Timing/Special Directions |
|-------------------|---------------|----------------------------|--|
| Cabbage | Root Maggots | 7-10½ oz. per 500 sq. ft. | Broadcast and mix into soil just before planting or transplanting. |
| | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Carrots | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Cauliflower | Root Maggots | 7-10½ oz. per 500 sq. ft. | Broadcast and mix into soil just before planting or transplanting. |
| | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Celery | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| Collards | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Cucumbers | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| Endive (Escarole) | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Kale | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |

| | | | |
|--|-------------------------------------|----------------------------|---|
| Lettuce | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Melons (Cantaloupe, Casaba, Crenshaw, Honeydew, Muskmelons, Persians, and Hybrids of these), and Watermelons | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| Mustard | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Onions (Bulb and Green) | Onion Maggots | 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 | 10½-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| Parsley | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| Peas (succulent only) | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| Note: Do not use on dried pea varieties such as dried blackeyed peas. | | | |
| Peppers | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Potatoes | Cutworms (Surface and Subterranean) | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| Radishes | Mole Crickets | 3½ oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Spinach | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |
| Squash (Summer and Winter) | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10½-14 oz. per 500 sq. ft. | |

| Crop | Pest | Rate | Timing/Special Directions |
|----------------|-------------------------|-------------------------------|--|
| Sweet Corn | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10 1/2-14 oz. per 500 sq. ft. | |
| | Seed Corn Maggots | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil 2 inches just before planting. |
| Sweet Potatoes | Wireworms, Flea Beetles | 10 1/2 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting |
| Swiss Chard | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10 1/2-14 oz. per 500 sq. ft. | |
| Tomatoes | Cutworms | 7-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |
| | Wireworms | 10 1/2-14 oz. per 500 sq. ft. | |
| | Mole Crickets | 3 1/2 oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| Turnips | Mole Crickets | 3 1/2 oz. per 500 sq. ft. | Broadcast and mix into soil 1-2 days before planting. |
| | Wireworms | 10 1/2-14 oz. per 500 sq. ft. | Broadcast and mix into soil just before planting. |

Storage and 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: Securely wrap original container in several layers of newspaper and discard in trash.

Container 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.

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.

Statement of Practical Treatment

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.

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.

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 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.