

536533

JAN 29 1998

Ms. Carolyn Bussey  
Novartis Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, N.C. 27419

Dear Ms. Bussey:

Subject: Change references from Ciba to Novartis,  
Update lawn spreader setting recommendations,  
Incorporate revisions from Agency letters  
dated October 4 and October 7, 1996  
D.z.n 6000 Lawn & Garden Insect Control  
EPA Registration Number 100-528  
Your submission dated January 5, 1998

The labeling referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable and a stamped copy is enclosed for your records.

The Agency recommends the following revisions at the next label printing:

- a) As we have discussed for your other diazinon products, on the front panel listing of pests, revise "and others" to either "and others as listed in directions for use", or "and other listed pests", or "and others as listed" (since "See Directions for Use" follows the current listing).
- b) In the Timing/Special Directions to control dung beetles in lawns, revise "stop watering if puddling occurs" to read "stop watering before puddling occurs".
- c) In the Statement of Practical Treatment, add "Get medical attention." to the end of the If inhaled advice.

Sincerely,

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

# D·z·n® 60000

## Lawn & Garden Insect Control

Treats up to 5,000 sq. ft.

For outdoor use on the home lawn and the home garden only.

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

Ready-to-use Granules. Contains 5% diazinon insecticide.



Low Odor - Contains Novartis Diazinon



**10 POUNDS**  
NET WEIGHT

Active Ingredient:  
Diazinon: O,O-Diethyl  
O-(2-isopropyl-6-  
methyl-4-pyrimidinyl)  
phosphoro-  
thioate ..... 5.0%

Inert  
Ingredients: 95.0%  
Total: 100.0%

KEEP OUT OF REACH  
OF CHILDREN.

### CAUTION

See additional precau-  
tionary statements on  
back of bag.

EPA Reg. No. 100-528

### D·z·n kills:

Ants, Armyworms,  
Bermudagrass mites,  
Billbugs, Brown dog  
ticks, Chiggers,  
Chinch bugs, Crickets,  
Cutworms, Earwigs,  
Fire ants\*, Fleas,  
Onion maggots,  
Root maggots, Sod  
webworms, White  
grubs of:

- European chafer
- Japanese beetle
- Southern chafer

Wireworms and others

\*Aids in control.

See Directions for Use.

**ACCEPTED**

JAN 29 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 100-528



# D-z-n® 6000 Lawn & Garden Insect Control

## DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

**IMPORTANT:** Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

### CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Novartis Crop Protection, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Novartis warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. **Novartis makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Novartis or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Novartis and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Novartis.

### DIRECTIONS FOR USE

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

#### In Lawns D-z-n kills:

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

\*Aids in control.

#### In Gardens D-z-n kills:

Cutworms  
Mole crickets  
Onion maggots  
Root maggots  
Wireworms

### OVERALL LAWN APPLICATION

#### SPECIAL PRECAUTIONS TO REDUCE RISKS 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.

D-z-n 6000 controls certain lawn insects on both grass and dichondra lawns. Apply D-z-n 6000 with a fertilizer spreader.

**Note:** Sweep any granules on walkways, driveways, or patios into the surrounding lawn area. 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), Leafhoppers, Millipedes, Sowbugs (Pillbugs), Springtails ( <i>Collembola</i> )	2 lbs./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, <i>Ataenius spretulus</i> (dung beetle)	2 lbs./1,000 sq. ft.	Water grass with at least 1/4 inch of water after application, however, stop watering if 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 if puddling occurs. Treat again in late Summer or early Fall if a second generation occurs.
Hyperodes weevils	2 lbs./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.

\*1,000 sq. ft. = an area 20 ft. x 50 ft.

100 sq. ft. = an area 10 ft. x 10 ft.

2 lbs./1,000 sq. ft. = 3.2 oz./100 sq. ft.

## D-z-n® 6000 Lawn & Garden Insect Control

**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./1,000 sq. ft.)**

Spreader Make and Model	Setting
Craftsman Broadcast	3 1/4
Craftsman Drop Spreader 1976	6
Cyclone Rotary	4 1/2
Greenview Drop II	5 1/2
Greenview Jet Spread II	4
JC Penney Model 6005	7 1/4
JC Penney Rotary	5
Republic EZ Broadcast 540 & 550	2
Republic EZ Drop 530	6 1/2
Scott Easy Green	26
Scott Precision Drop	4 3/4
Scott Precision Flow Spreader Model PF4	4
Scott Speedy Green Medalion	3 1/2
Servistar Broadcast	4
Servistar Drop	6
True Temper Broadcast	4
True Temper Drop	6

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

**LAWN SPOT TREATMENT**

**Ants:** Apply 1 1/2 teaspoons of D-z-n 6000 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 gallon 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 D-z-n 6000 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 ( <i>Collembola</i> ) |

Apply a 2-ft. band of D-z-n 6000 next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 sq. ft. of area (2 ft. x 50 ft.) treated. If necessary, repeat application at 3-week intervals.

**VEGETABLES - INSECT CONTROL**

**SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS**  
Birds feeding on treated areas may be killed. To reduce risks to birds:

1. Thoroughly mix D-z-n 6000 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.

D-z-n 6000 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.

Unless directions under **Timing/Special Directions** state otherwise, 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
Mole crickets	1-2 inches
Onion maggots	3-4 inches
Root maggots	3-4 inches
Seed corn maggots	2 inches
Surface cutworms*	2-3 inches
Subterranean cutworms*	3-6 inches
Wireworms	4-8 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./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz./500 sq. ft.	

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

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

## D-z-n® 6000 Lawn & Garden Insect Control

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Crop	Pest	Rate	Timing/Special Directions
Carrots	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Cauliflower	Root Maggots	7-10 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Cutworms	7-14 oz./500 sq. ft.	
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Celery	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
Collards	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Cucumbers	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
Endive (Escarole)	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Kale	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Lettuce	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.

Crop	Pest	Rate	Timing/Special Directions
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and Hybrids of these), and Watermelons	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
Mustard	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Onions (Bulb and Green)	Onion Maggots	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.  Note: Resistant onion maggots will not be controlled by diazinon or similar type insecticides.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
Parsley	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
Peas (succulent only)	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
Note: Do not use on dried pea varieties such as dried blackeyed peas.			
Peppers	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Potatoes	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	
Radishes	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Rutabagas	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 <sup>1</sup> / <sub>2</sub> oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Spinach	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 <sup>1</sup> / <sub>2</sub> -14 oz./500 sq. ft.	

### D-z-n® 6000 Lawn & Garden Insect Control

Crop	Pest	Rate	Timing/Special Directions
Squash (Summer and Winter)	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz./500 sq. ft.	
Sweet Corn	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz./500 sq. ft.	
	Seed Corn Maggots	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
Sweet Potatoes	Wireworms	10 1/2 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
Swiss Chard	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz./500 sq. ft.	
Tomatoes	Cutworms	7-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Wireworms	10 1/2-14 oz./500 sq. ft.	
	Mole Crickets	3 1/2 oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days before planting.
Turnips	Wireworms	10 1/2-14 oz./500 sq. ft.	Broadcast and mix into soil just before planting.
	Mole Crickets	3 1/2 oz./500 sq. ft.	Broadcast and immediately mix into the soil 1-2 days 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. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

### 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. 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.

D-z-n® trademark of Novartis

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Greensboro, North Carolina 27419  
NCP 1L154 0797

