

426219

MAR - 1 1993

Ms. Carolyn Bussey  
Ciba-Geigy Corporation  
P.O. Box 18300  
Greensboro, NC 27419-8300

Dear Ms. Bussey:

Subject: Amendment - Voluntary changes intended  
to reduce risks to birds  
D.z.n Granular Lawn Insect Control  
EPA Reg. No. 100-468  
Your submission dated August 19, 1992

The amendment referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable provided the following revisions are made prior to release for shipment under the amended labeling:

- 1) Under the heading "OVERALL LAWN APPLICATION", make the following revisions to the boxed text for avian hazards:
  - a) Revise the heading for the avian hazards boxed text to read "SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS".
  - b) Revise the first two sentences to read as follows:

"Birds, especially waterfowl (ducks or geese), feeding or drinking on treated areas may be killed. To reduce risks to birds:".
  - c) In item "7", revise the beginning of the sentence to read "If it is necessary ...".
- 2) In the directions for control of Billbugs, etc., revise the first sentence of the Timing/Special Directions to read:

"Water grass with at least 1/4 inch of water after application, however, stop watering before puddling occurs.".

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- 3) In the directions for control of Hyperodes weevils, revise the first sentence of the Timing/Special Directions to read:  
  
"Water grass with at least 1/4 inch of water after application, however, stop watering before puddling occurs."
- 4) In th. Environmental Hazards, revise the second sentence to read: "Birds, especially waterfowl (ducks or geese), feeding or drinking on treated areas may be killed."
- 5) Also in the Environmental Hazards, delete "Collect, mix into the soil, or cover granules that are spilled or are visible on soil surfaces.". This statement, while appropriate to use on bare soil, i.e., vegetable gardens pre-plant, is not appropriate for a homeowner lawn use product.
- 6) Is there a reason the Environmental Hazards text is fragmented into a number of paragraphs, rather than just being a single one, as on your other diazinon labels?

A stamped copy of the label is enclosed for your records. Please submit five copies of the revised amended label prior to release for shipment under the amended label. The Agency understands that this labeling will be typeset for use as one of the sample labels for diazinon end-use product registrants, and that, for Ciba-Geigy, labeling for this product released for shipment after the deadline imposed by the Diazinon Registration Standard, as amended, will be this revised amended label.

Please note that the Agency's acceptance of this label at this time does not preclude future label revision requirements or other regulatory actions by the U. S. Environmental Protection Agency in regards to avian risk reduction.

Sincerely,

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

30412

**DRAFT/AVIAN CHANGES**

D·z·n● Treats up to 2500 square feet.  
Granular Lawn Insect Control

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

For outdoor use on the home lawn only.

Ready-to-use. Contains 2% diazinon  
insecticide.

**Controls:**

- Brown dog ticks
- Chinch bugs
- Sod webworms
- Lawn moths
- Earwigs
- Fleas
- Fire ants\*
- White grubs of:
  - . Japanese beetle
  - . European chafer
  - . Southern chafer
- Billbugs
- ...and many others
- \*Aids in control.

See complete list on  
back of bag

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAR - 1 1993

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

100-468

**Active Ingredient:**

Diazinon: O,C-Diethyl O-(2-isopropyl-  
6-methyl-4-pyrimidinyl) phosphorothioate ..... 2%

**Inert Ingredients:** ..... 98%

**Total:** ..... 100%

KEEP OUT OF REACH OF CHILDREN.

**CAUTION**

See additional precautionary statements  
on back of bag.

EPA Reg. No. 100-468  
EPA Est.

12 1/2 Lbs.  
Net Weight

40112

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.

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Conditions of Sale and Warranty

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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 CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY 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. CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CIBA-GEIGY 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 CIBA-GEIGY.

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D·z·n kills:

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

\*Aids in control.

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL OR TURF INJURY.

OVERALL LAWN APPLICATION

SPECIAL PRECAUTIONS TO AVOID HAZARD TO BIRDS

Birds, especially waterfowl (ducks, geese), feeding or drinking on treated areas may be killed. To avoid toxicity 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 included within 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 necessary to repeat application, wait a minimum of 3 weeks between applications. Make no more than four applications per year.

D·z·n Granular Lawn Insect Control controls certain lawn pests on both grass and dichondra lawns. Apply this product with a fertilizer spreader. Refer to the tables that follow for use rates and spreader settings.

**BEST AVAILABLE COPY**

<u>PEST</u>	<u>RATE*</u>	<u>TIMING/SPECIAL DIRECTIONS</u>
<p>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)</p>	<p>5 lbs. per 1,000 sq. ft.</p>	<p>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.</p>
<p>Billbugs, White grubs of Japanese beetle, European chafer, Southern chafer, <u>Ataenius spretulus</u> (dung beetle)</p>	<p>5 lbs. per 1,000 sq. ft.</p>	<p>Water grass with at least 1/4 inch of water after application.</p> <p>For billbug control, apply when activity is first observed or when chewed or brown 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 early Summer when damage is first noticed. Water grass with at least 1/4 inch of water after application. Treat again in late Summer or early Fall if a second generation occurs.</p>

<u>PEST</u>	<u>RATE*</u>	<u>TIMING/SPECIAL DIRECTIONS</u>
Hyperodes weevils	5 lbs. per 1,000 sq. ft.	Water grass with at least 1/4 inch of water after applica- tion. 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.  
 5 lbs. per 1,000 sq. ft. = 8 ozs. per 100 sq. ft.

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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 5 lbs. per 1,000 sq. ft.

Spreader Make and Model	For insects listed Grass and Dichondra Lawns
Central Imperial Mark No. 1662-G	7 1/2
Central Suburbia Lawn Spreader - No. 1622-0	7 1/2
Cyclone Model B1 Rotary	6
Greenfield Model 105	8
J. C. Penney Model 6005	8 1/2
J. C. Penney Rotary Spreader	8
Scott's Precision Flow Spreader PF-1	6 1/2
Sears Craftsman Model 671.19198	7 1/2

\*\*For application with other types of equipment, apply at the rate of 5 lbs. per 1,000 sq. ft.

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SPOT TREATMENT

Ants: Apply one tablespoon of D·z·n Granular Lawn Insect Control over and around each individual ant hill.

Fire Ants: To aid in the control of fire ants in lawns and other recreational areas, apply 1 1/4 cups over, and 2 ft. around, each fire ant mound. Immediately after application, water in thoroughly. A minimum of 1 gallon of water should be applied to each mound area. Apply water gently to avoid disturbing ants. Use of high-pressure watering equipment may disturb the ants and cause migration, reducing product effectiveness. Treat as necessary.

Note: For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear.

Digger wasps: Apply one tablespoon of D·z·n Granules in and around each individual ground nest opening. Make the application about dusk when the wasps are not active.

BAND TREATMENT AROUND HOUSE FOUNDATIONS

The following pests are commonly found around or near house foundations, and may enter the house:

Ants	Crickets	Millipedes
Brown dog ticks	Earwigs	Sowbugs
Clover mites	Fleas	Springtails (Collembola)

To control these pests, apply a 2-foot band of D·z·n Granular Lawn Insect Control next to the house foundation. Distribute granules uniformly, using a rate of 8 ozs. per 100 sq. ft. of area (2 ft. x 50 ft.) treated. If necessary, repeat application at 3-week intervals.

Storage and Disposal

Storage: Store in original container in a cool, dry, well-ventilated area inaccessible to children and domestic animals. Do not store near fertilizers, herbicides, seeds, food, or feed. Do not reuse bag. Discard bag in trash.

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.

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Precautionary Statements

Hazards to Humans and Domestic Animals

**CAUTION**

Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust and contact with eyes, skin, or clothing. Wash thoroughly after handling and before smoking or eating. May cause contact sensitization following repeated contact with skin of susceptible individuals. If sensitization reactions result, contact a physician. Do not store near food or feed products. Food utensils such as tablespoons 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 onto the treated area until granules have been watered in and the grass has dried.

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.

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, 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. Collect, mix into the soil, or cover granules that are spilled or are visible on soil surfaces.

Follow all watering instructions in the directions for use, however, stop watering before puddling occurs.

Do not apply this product to sites occupied by waterfowl, or within 75 ft. of any body of water that 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 washwaters.

D·z·n® trademark of CIBA-GEIGY Corporation

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Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419

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April 6, 1988-  
Changed name to  
D·z·n, revised  
Storage & Dis-  
posal, added do  
not use on golf  
courses/sod  
farms statement.

Accepted December 28, 1988  
Data Call-In  
revisions -  
reduced rates on  
turf to a max.  
of 4 lbs.  
a.i./A, added  
avian pre-  
cautions,  
revised precau-  
tionary state-  
ments, storage  
and disposal,  
Env. Hazards.

Accepted October 12, 1989  
  
Reg. Standard  
changes, added  
warranty state-  
ment, light  
watering for  
surface feeding  
pests, changed  
Scott's spreader  
type.

Revised August 18, 1992  
Additional avian  
precautions

[GANNONC.LABELD]DZN-GLIC-AVIAN - 8/18/92

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