

NOV 28 1988

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

Subject: Amendment - Change product name,  
Reduce application rates,  
Revise avian precautions,  
Delete geographic restriction  
for Hyperodes Weevil  
D-z-n Granular Lawn Insect Control [new name]  
EPA Reg. No. 100-468  
Your submission dated November 14, 1988

Dear Ms. Bussey:

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

1) The active ingredient should be declared as follows:

Diazinon [O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate]

2) A "Statement of Practical Treatment" must be added to the label. The Agency recommends the following text (identical to that appearing on the label for D.z.n Diazinon 2D, EPA Reg. No. 100-445), however, if your toxicological data indicates otherwise, you may submit proposed revised text for Agency approval:

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 for at least 15 minutes with 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.

- 3) Revise the "Storage and Disposal" text to be similar to the expanded text that appears on your label for D.z.n. 6000, EPA Reg. No 100-528. Specifically, the revised text should appear as follows:

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.

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.

- 3) Revise the "Hazards to Humans & Domestic Animals" text to read as follows:

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. 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. Keep children and pets off treated areas until this material is watered into the soil and the grass is dry. In the event of an emergency, call (919) 292-7100 day or night.

- 4) Revise the "Environmental Hazards" text to read as follows:

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water or wetlands. Do not contaminate water by disposal of equipment washwaters. Apply this product only as specified on this label.

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A stamped copy of the label is enclosed for your records. Please submit five (5) copies of the revised amended label prior to release for shipment.

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

D-z-n<sup>®</sup>  
Granular

Treats up to 2500 square feet.

lawn  
insect  
control

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

Controls:

- Chinch bugs
- Sod webworms
- Lawn moths
- Earwigs
- 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:

NOV 28 1988

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
and the provisions of the pesticide  
Registration Act, the following  
Registration Number is assigned:  
EC-468

Active Ingredient:

Diazinon: O,O-diethyl O-(2-isopropyl- 6-methyl-4-pyrimidin-yl) phosphorothioate .....	2%
Inert Ingredients:	98%
Total:	100%

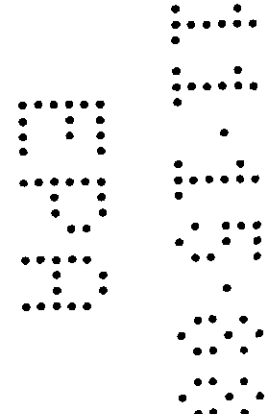
CAUTION:

KEEP OUT OF REACH OF CHILDREN.

See additional precautionary statements  
on back of bag.

12 1/2 Lbs.  
Net Weight

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



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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.

OVERALL LAWN APPLICATION

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

D·z·n\* Granules control the following lawn insects on both grass and dichondra lawns:

Chinch bugs . Earwigs . Ants . Lawn moths (Sod webworms) .  
 Bermudagrass mites . Crickets . Armyworms . Brown dog ticks .  
 Chiggers . Clover mites . Cutworms . Fleas . Leafhoppers .  
 Sowbugs . Millipedes . Springtails (Collembola) . White Grubs

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping treated areas. If waterfowl, i.e., ducks, geese can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least 0.25 inch water immediately after application, however, stop watering before puddling occurs.

Apply D·z·n Granules to your lawn with a fertilizer spreader at the rates shown on side panel chart. Application should be made when grass is dry. Repeat application in 7-10 days if necessary.

For application with other types of equipment, apply at the rate of 5 lbs. per 1000 sq. ft. (an area 20' by 50') or 8 oz. per 100 sq. ft. (an area 10' by 10').

Billbugs; White grubs of Japanese beetle, European chafer, Southern chafer, Ataenius spretulus (dung beetle):

Apply 5 lbs. per 1000 sq. ft. of lawn. Water grass thoroughly after application. For billbug control, apply when activity is first observed or when chewed or brown grass indicates damage from these insects. Repeat as necessary. 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 thoroughly with 1/4-1/2 in. of water after application. Treat again in late summer or early fall if a second generation occurs.

Hyperodes Weevil  
 Apply 5 lbs. per 1000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

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.

SPREADER SETTING NO.  
 (per 1000 sq. ft.)

Spreader Make and Model	For insects listed† Grass and Dichondra Lawn 5 lbs.
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 Model 35	6 1/2
Sears Craftsman Model 671.19198	7 1/2

- |                    |                  |                |
|--------------------|------------------|----------------|
| †Ants              | Clover mites     | Lawn moths     |
| Armyworms          | Crickets         | (Sod webworms) |
| Bermudagrass mites | Cutworms         | Leafhoppers    |
| Brown dog ticks    | Earwigs          | Millipedes     |
| Chiggers           | Fleas            | Sowbugs        |
| Chinch bugs        | Hyperodes weevil | Springtails    |
|                    |                  | (Collembola)   |
|                    |                  | White grubs    |

SPOT TREATMENT

Ants: Apply one tablespoon of D·z·n Granules 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. Reapply as necessary. Apply gently to avoid disturbing ants. Use of high pressure watering equipment may disturb the ants and cause migration, reducing product effectiveness.

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 FOUNDATION

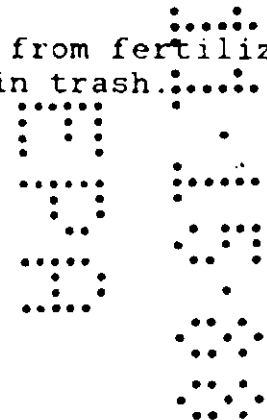
The following insects are commonly found around or near the foundation of houses as well as in the lawn. Certain of these insects may even enter the house.

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

For control of the above insects, apply a five-foot band of D·z·n Granules next to the foundation of the house. Distribute the granules uniformly using a rate of 8 oz. for each 5' by 20' area to be treated.

Storage and Disposal

Store in original container in a dry place away from fertilizer, food and feed. Do not reuse bag. Discard bag in trash.



Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Avoid breathing of dust. Avoid contact with skin, eyes, and clothing. Avoid contamination of feed and foodstuffs. Wash thoroughly after handling. Harmful if swallowed. May be absorbed through skin. Treat lawns in late afternoon. Keep children and pets off treated areas until the following afternoon. In the event of an emergency, call (919) 292-7100 day or night.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. Do not apply where runoff is likely to occur. Keep out of lakes, streams, or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

D·z·n<sup>®</sup> trademark of CIBA-GEIGY for diazinon

EPA Reg. No. 100-468  
EPA Est.

Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419

CGA 9L7S

	April 6, 1988- Changed name to D·z·n, revised Storage & Dis- posal, added do not use on golf courses/sod farms statement.....
Revised	September 12, 1988 Reduced rates on turf to a max. of 4 lbs. a.i./A, added avian pre- cautions, changed chem. name.
Revised	November 4, 1988 changed chem. name back to orig. per EPA.