

NOV 29 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,
Specify "sweet corn" only,
Specify "succulent" beans & peas
D-z-n 6000 Lawn & Garden Insect Control [new name]
EPA Reg. No. 100-52E
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) In the Directions for Use, "Cutworms" section, add: "Do not apply to commercially grown potatoes which will be hand-harvested." Even though this product is presumably intended for homeowner use, there are no limitations on its potential commercial agricultural use.

4) In the "Storage and Disposal" text, "Storage" subsection, you may wish to revise the second sentence to recommend storage conditions specified on some of your other product labels. The revised text would then 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, other insecticides, seeds, food, or feed.

5) 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 spoons 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.

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

This product is toxic to fish, birds, and other wildlife including waterfowl. Birds including waterfowl feeding on treated areas may be killed. 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.

A stamped copy of the label is enclosed for your records. The Agency's records will be revised to show the change in product name to: "D-z-n 6000 Lawn & Garden Insect Control". 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)

40112

D·z·n® 6000

TREATS UP TO 5000 SQUARE FEET

lawn & garden
insect
control

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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 29 1988

Under the Federal Insecticide,
Fungicide and Rodenticide Act
Registration for the pesticide
is hereby granted. 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:
. Japanese beetle
. European chafer
. Southern chafer
Wireworms
and others

*Aids in control.

See Directions for Use.

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

Active Ingredient:

Diazinon: O,O-diethyl O-(2-isopropyl-6-	
methyl-4-pyrimidin-yl) phosphorothioate	5%
<u>Inert Ingredients:</u>	<u>95%</u>
Total:	100%

KEEP OUT OF REACH OF CHILDREN.

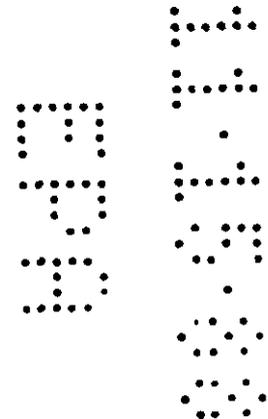
CAUTION

See additional precautionary statements
on back of bag.

EPA Reg. No. 100-528

EPA Est.

Ten Pounds
Net Weight



5012

In Lawns
D·z·n kills:

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

In Gardens
D·z·n kills:

- Armyworms
- Carrot rust flies
- Corn borers
- Cutworms
- Mole crickets
- Onion maggots
- Root maggots
- Rootworms
- Vinegar flies
- Wireworms

*Aids in control.

Directions for Use

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

Overall Lawn Application:

D·z·n 6000 controls the following lawn insects on both grass and dichondra lawns:

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

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 6000 with a fertilizer spreader. See spreader setting chart below. Apply when grass is dry. Repeat as necessary.

For application with other types of equipment, apply at the rate of 2 lbs. per 1000 sq. ft. (an area 20' by 50') or 3.2 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 2 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 weevils:

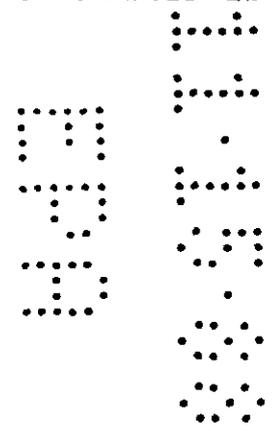
Apply 2 lbs. per 1000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

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 recreational areas, apply 1/2 cup 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.



7.5.12

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 foundations of houses as well as in lawns. Certain of these pests may enter houses.

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

Apply a 5 foot 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 (5' by 20') treated. Repeat as necessary.

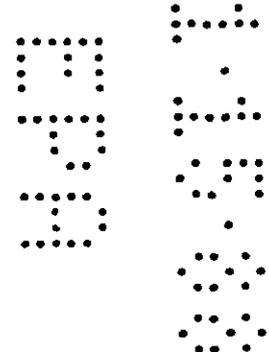
Garden Insect Control:

D-z-n 6000 controls certain garden insects on crops listed below. Apply just prior to planting and immediately mix thoroughly into the soil to the specified depth, except where applied in seed furrow.

Cutworms (surface and subterranean)

- | | | |
|-------------------|-----------------------------|-----------------------------|
| Broccoli | Kale | Snap Beans (succulent only) |
| Cabbage | Lettuce | |
| Cantaloupes | Lima Beans (succulent only) | Spinach |
| Cauliflower | | Summer Squash |
| Celery | Muskmelons | Swiss Chard |
| Collards | Parsley | Tomatoes |
| Cucumbers | Peas (succulent only) | Watermelons |
| Endive (Escarole) | Peppers | Winter Squash |
| | Potatoes | |

Apply 7 to 14 oz. per 500 sq. ft. and mix into soil to a depth of 2-3 inches for surface cutworms and 3-6 inches for subterranean cutworms. For potatoes, mix into soil 4-6 inches deep.



Mole Crickets

Broccoli	Endive (Escarole)	Peppers
Cabbage	Kale	Radishes
Cauliflower	Lettuce	Strawberries
Collards	Mustard	Tomatoes
		Turnips

Apply 4 oz. per 500 sq. ft. and mix into soil to a depth of 1-2 inches.

Wireworms

Broccoli	Endive (Escarole)	Snap Beans (succulent only)
Cabbage	Kale	Spinach
Cantaloupes	Lettuce	Summer Squash
Carrots	Lima Beans (succulent only)	Sweet Potatoes
Cauliflower	Muskmelons	Swiss Chard
Celery	Onions	Tomatoes
Collards	Parsley	Watermelons
Sweet Corn only	Peas (succulent only)	Winter Squash
Cucumbers	Peppers	

Apply 7 to 14 oz. per 500 sq. ft. and mix into soil to a depth of 4-8 inches.

Broccoli, Cabbage, Cauliflower

Root Maggots: Apply 7 to 11 oz. per 500 sq. ft. over entire seedbed before planting or transplanting and mix into soil to a depth of 3-4 inches.

Carrots

Carrot Rust Flies: Apply 7 oz. per 500 sq. ft. in seed furrow at planting time.

Onions

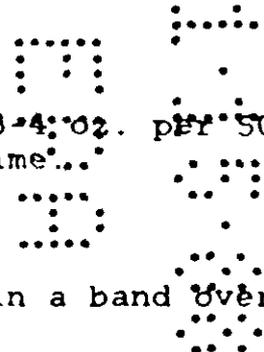
Onion Maggots: Apply 4 oz. per 500 sq. ft. in seed furrow at planting time.

Radishes

Root Maggots: Sprinkle lightly at the rate of 3-4 oz. per 500 linear feet of row in seed furrow at planting time.

Sweet Corn

Corn Rootworms: Apply 4-7 oz. per 500 sq. ft. in a band over the row at planting time.



Cutworms: Apply 7-11 oz. per 500 sq. ft. Mix into soil to a depth of 1-2 inches for surface cutworms and 3-6 inches for subterranean cutworms.

European Corn Borers: Apply 4-7 oz. per 500 sq. ft. over corn so granules fall into whorls when 75% of the plants show first-generation larvae feeding, and again 7 days later, if needed. Treat for second-generation when there is an average of 1 egg mass per plant.*

Fall Armyworms: Apply 4-7 oz. per 500 sq. ft. over corn so granules fall into whorls when larvae first appear, and again for control of second-generation armyworms, if necessary.*

Southwestern Corn Borers: Apply 4-7 oz. per 500 sq. ft. over corn so granules fall into whorls when second-generation larvae first appear. Repeat application one week later.*

*Note: Corn may be picked immediately following last application. Do not feed fodder to livestock for ten days following last application.

Wireworms: Apply 7-15 oz. per 500 sq. ft. in a broadcast application. Mix into soil to a depth of 4-8 inches.

Sweet Potatoes (North Carolina only)

Wireworms: Apply 11 oz. per 500 sq. ft. over the top of sweet potato plant foliage when roots begin to enlarge.

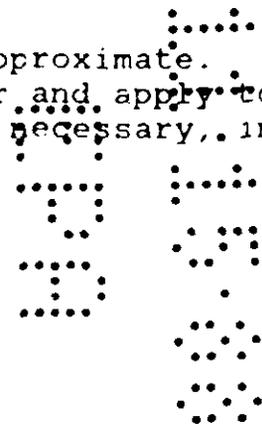
Tomatoes

Vinegar Flies (Drosophila spp.): Apply 4 oz. per 500 sq. ft. over top of plants when flies first appear. Repeat at 7-10 day intervals, or as required. Tomatoes may be picked the same day.

Turnips

Root Maggots: Apply 4 oz. per 500 sq. ft. in seed furrow at planting time.

NOTE: The spreader settings listed below are approximate. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust spreader setting if necessary, in order to assure correct rate of application.



Storage and Disposal

Storage: Store in original container. Store product in an area inaccessible to children and domestic animals. To prevent cross-contamination, 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.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Avoid contamination of food and feed. Do not store near food or feed products. Avoid inhalation of dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. May be absorbed through skin. Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

Environmental Hazards

This product is toxic to fish and wildlife. Keep out of lakes, streams, or ponds. Apply this product only as specified on this label.

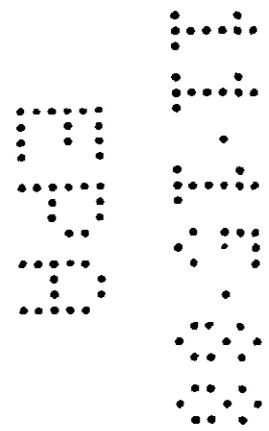
D·z·n® trademark of CIBA-GEIGY for diazinon

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EPA Reg. No. 100-528

Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

CGA A1L86D



June 20, 1983
(Initial Copy of 10 Lb. Bag)

Revised July 19, 1983
(Incorporated crane fly-SLN
for Washington State.)

Revised March 18, 1987
(cancelled SLN), revised
Storage & Disposal

Revised April 6, 1988
added do not use on golf
courses and sod farms.

Revised September 13, 1988
Changed chem. name, deleted
crops not supported under
May 1, 1987 EPA Data Call-
In, reduced rates on turf to
a max. of 4 lbs. a.i./A,
added avian precautions.

Revised November 4, 1988
changed chem. name back,
specified sweet corn.

(LAE SL-D.4 - DZN/6000)

