

OCT 31 1994

Mr. Tom Kohmetscher
Cornbelt Chemical Company
P.O. Box 410
McCook, NE 69001

Dear Mr. Kohmetscher:

Subject: Amendment - Revisions per Agency letter
dated August 2, 1993

Diazinon 2G

EPA Reg. No. 10107-16

Your submission dated October 30, 1993

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable provided that you:

- 1) Submit and/or cite all data or other materials required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
- 2) Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a) Capitalize the "F" of "Federal law" appearing in the first sentence under the heading **Directions for Use**.

The basic and alternate formulation Confidential Statements of Formula (CSFs) dated November 6, 1989 which were included with your April 28, 1990 response to the Diazinon Registration Standard are not acceptable because the percentage and certified limits for diazinon must be for the active ingredient itself, rather than for the 87% starting product, and the CSF must include upper certified limits for the impurities of toxicological concern as identified in the Diazinon Registration Standard (TEPP, O,S-TEPP, S,S-TEPP, and oxo-diazinon), and should include signed and dated certification statements relative to FIFRA Sec 12 (a)(1)(C) and the method of

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arriving at the certified limits for the impurities (i.e., reliance on Ciba-Geigy's analysis) and addressing data requirements under Guidelines 61-3 and 61-2b. The text of these certification statements is as follows:

I hereby certify that, for the purposes of FIFRA Sec.12(a)(1)(C), the description of the composition of [your product's name], EPA Reg. No. [insert correct number for your product], refers to the composition set forth on this Statement of Formula and supporting materials. This description includes the representation that (1) no ingredient will be present in the product in an amount greater than the upper certified limit or in an amount less than the lower certified limit specified for that ingredient in this Statement of Formula; and (2) if the Agency requires that the source of supply of an ingredient be specified, that all quantities of such ingredient will be obtained from the source specified in the Statement of Formula.

I certify that the upper certified limits for the impurities listed on this Statement of Formula are based on CIBA-GEIGY's analysis and certification of limits for this product based on D.z.n Diazinon MG 87%. I further certify under Section 61-3 and 61-2(b) that there are no chemical reactions between diazinon and/or its impurities with the intentionally added inerts.

If you do not already have the impurities information required on the CSF, please immediately contact Ciba-Geigy directly.

NOTE: Neither your recent cover letters nor the CSF's submitted for this product show the correct product name "Diazinon 2G". Your company requested this new name for this product on May 20, 1988 and it was accepted by the Agency on May 25, 1988. Please be sure to use the correct name on the label, correspondence, and the revised CSFs.

Sincerely,

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

D·z·n®

10107-16

Carbaryl Diazinon 26 →

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.

Treats up to 2500 square feet.

12½ Pounds Net Weight

Active Ingredient:
Diazinon: O, O-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

10107-16

EPA Reg. No. 10107-16-1

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~~
~~APR 30 1993~~
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. ~~100-468~~

ciba

ACCEPTED
with COMMENTS
in EPA Letter Dated
OCT 31 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10107-16

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D-z-n kills:

- | | | |
|----------------------|----------------|----------------------|
| Ants ✓ | Crickets ✓ | Springtails ✓ |
| Armyworms ✓ | Cutworms ✓ | Sod webworms ✓ |
| Bermudagrass mites ✓ | Digger wasps ✓ | Sowbugs (Pillbugs) ✓ |
| 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

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 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 it is necessary to repeat application, wait a minimum of 3 weeks between applications. Make no more than four applications per year.

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 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.

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

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.

BEST AVAILABLE COPY

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LAWN SPREADER SETTING NO.
To deliver 5 lbs. per 1,000 sq. ft.

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 (Collembola)	5 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 chafer, Southern chafer, <i>Ataenius spretulus</i> (dung beetle)	5 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 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, however, stop watering before puddling occurs. Treat again in late Summer or early Fall if a second generation occurs.
Hyperodes weevils	5 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.

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.

SPOT TREATMENT

Ants: Apply one tablespoon of D-z-a-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-a-n Granular Lawn Insect Control in and around each individual ground nest opening. Make the application about dusk when the 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 |
| Clover mites | Fleas | Springtails (Collembola) |

To control these pests, apply a 2-foot band of D-z-a-n Granular Lawn Insect Control next to the house foundation. Distribute granules uniformly, using a rate of 8 oz. 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.

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.

* 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 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.

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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 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. 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.

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