

PM-13

Reg # 42737

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

~~65654797ED~~
17/7

Ms. Molly Hickman
The Chas. H. Lilly Co.
7737 N. E. Killingsworth
Portland, OR 97218

APR 19 1995

Dear Ms. Hickman:

Subject: Amendment- Revise per EPA letter dated July 18, 1994
Lilly/Miller's 5% Diazinon Granules
EPA Registration No. 802-556
Your submission dated December 16, 1994

This 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 material 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. In "These settings are a guide paragraph, add "slightly" after "adjust the setting".

b. Band treatment should be (2 ft. x 50 ft.).

Your Confidential Statement of Formula dated December 16, 1994 has been reviewed and is acceptable.

Sincerely yours,

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

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

LILLY/MILLER
5% DIAZINON GRANULES

This product must not be used on golf courses and sod farms. For outdoor use on the home lawn and home garden only.

Control Lawn, Garden & Home Invading Insects
Fast-Acting
Covers Up To 5,000 Sq. Ft.

ACTIVE INGREDIENT:

Diazinon [0,0-Diethyl 0-(2-isopropyl-6
-methyl-4-pyrimidinyl) phosphorothioate 5%
INERT INGREDIENTS 95%

Keep out of reach of children
CAUTION
See back panel for additional precautionary statements

NET WEIGHT 10 LBS. (4.5 kg)

DIRECTIONS FOR USE

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

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, do not treat areas larger than 15,000 sq. ft. 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, especially waterfowl. Avoid overlapping treated areas. 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 to sites within 75 ft. of any body of water that may attract waterfowl, such as lakes or ponds. If it is necessary to repeat application, wait a minimum of 3 weeks between applications. Make no more than 4 applications per year. For application to soil, thoroughly mix into the soil during or immediately after application. Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into the soil.

LAWNS

Use 5% DIAZINON GRANULES to control insects on both grass and dichondra lawns. Apply with a fertilizer spreader. Refer to the table that follows for use rate and spreader settings.

- To Control:
- Ants
- Armyworms
- Bermudagrass Mites
- Brown Dog Ticks
- Chiggers
- Chinch Bugs
- Clover Mites

ACCEPTED
with COMMENTS
In EPA Letter Dated

19 APR 1995

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

802-556

- Crickets
- Cutworms
- Earwigs
- Fleas
- Lawn Moths (Sod Webworms)
- Leafhoppers
- Millipedes
- Sowbugs (Pillbugs)
- Springtails (Collembola)

Apply 5% DIAZINON GRANULES at the rate of 10 lb. per 5,000 sq. ft. (an area 100 ft. x 50 ft.) or 2 lbs. per 1,000 sq. ft. (an area 100 ft. x 10 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.

To Control:

- Billbugs
- White Grubs
 - Japanese Beetle
 - European Chafer
 - Southern Chafer
- Ataenius Spretulus (Dung Beetle)
- European Crane Fly Larvae (Leather Jackets)
- Hyperodes Weevils

Apply 10 lb. per 5,000 sq. ft. of lawn (2 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 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 before puddling occurs. Treat again in late summer or early fall if a second generation occurs. For European Crane Fly Larvae (Leather Jackets) control, apply 3/4 - 1 inch water to treated area immediately after application. Consult your Agricultural Extension Service for specific timing of applications. For Hyperodes Weevils control, treat problem areas in mid-April and again in mid-May.

(Captions for illustrations): Begin spreading by laying down two strips of 5% DIAZINON GRANULES at each end of lawn. Fill in remaining area as shown here. Close the spreader when you stop walking or make turns to avoid uneven coverage. Stopping and starting with the spreader box open will waste product. Overlap previous wheel track slightly, as shown, to avoid gaps in coverage. Water in after application.

SETTING YOUR LAWN SPREADER

THESE SETTINGS ARE A GUIDE. They were determined by landscape professionals using new spreaders. The condition of your spreader, your walking speed, the roughness of the lawn, and even the humidity can affect how fast the product comes out. Watch the flow rate. If the product appears to be coming out either slower or faster than you are

covering the lawn, adjust the setting. Close the spreader when filling, turning or stopping.

Drop Spreader Models Settings
2 lbs./
1,000 sq. ft.

Green Thumb (True Value), Ortho 5000, Republic EZ Drop, Scotts SpeedyGreen, or TurfKing #530 7 5/8

Scotts PF-3 4 1/2

Rotary Spreader Models

Republic Broadcast, Scotts SpeedyGreen Rotary, or TurfKing #540 1 1/4

Scotts EZ Green(EG-3) 25

LAWN SPOT TREATMENT

Ants: Apply 1 1/2 teaspoons of 5% DIAZINON GRANULES over and around each ant hill. Fire Ants: To aid in 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 gal. of water should be applied to each mound area. Reapply as necessary. Note: For best results, apply in cool weather, 65-80 degrees Fahrenheit, 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 Wasp: Apply 1 1/2 teaspoons of 5% DIAZINON GRANULES in and around each nest opening. Apply at dusk when wasps are not active.

FOUNDATION TREATMENT

The following pests are commonly found around or near foundations of houses as well as in lawns. Certain of these pests may enter the house.

- | | | |
|-----------------|----------|-----------------------------|
| Ants | Crickets | Millipedes |
| Brown Dog Ticks | Earwigs | Sowbugs (Pillbugs)..... |
| Clover Mites | Fleas | Springtails (Collembola)... |

Apply a 2 foot band of 5% DIAZINON GRANULES next to the exterior house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 sq. ft. of area (5 ft. x 20 ft.) treated. Water area lightly. If necessary, repeat application at 3 week intervals.

VEGETABLE GARDENS

Special Precautions To Reduce Risk To Birds. Birds feeding on treated areas may be killed. To reduce risk to birds: 1. Thoroughly mix this product into the soil during or immediately after application. Refer to the Soil Incorporation instructions that follow. 2. Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into soil.

5% DIAZINON GRANULES controls certain garden insects on crops listed below. Apply uniformly as directed for each crop. When a range of rates is given, use the higher rate only for heavy infestations. Do not apply this product to food crops grown in greenhouses. Applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application.

To Control CUTWORMS (surface and subterranean) on:

Broccoli	Endive (Escarole)	Red Table Beets
Brussels Sprouts	Kale	Snap Beans*
Cabbage	Lettuce	Spinach
Carrots	Lima Beans*	Summer Squash
Cauliflower	Melons	Sweet Corn
Celery	Parsley	Swiss Chard
Collards	Peas*	Tomatoes
Cucumbers	Peppers	Watermelons
	Potatoes	Winter Squash

*succulent only

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. Broadcast and mix into soil just before planting.

To Control WIREWORMS on:

Broccoli	Endive (Escarole)	Red Table Beets
Brussels Sprouts	Kale	Snap Beans*
Cabbage	Lettuce	Spinach
Carrots	Lima Beans*	Summer Squash
Cauliflower	Melons	Sweet Potatoes
Celery	Onions (green, bulb)	Swiss Chard
Collards	Parsley	Tomatoes
Sweet Corn	Peas*	Turnips
Cucumbers	Peppers	Watermelons
	Potatoes	Winter Squash

*succulent only

Apply 10 1/2 to 14 oz. per 500 sq. ft. and mix into soil to a depth of 4-8 inches. For Sweet Potatoes, apply 10 1/2 oz. per 500 sq. ft. This application will also control flea beetles on sweet potatoes. Broadcast and mix into soil just before planting.

To Control MOLE CRICKETS on:

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Brussels Sprouts	Endive (Escarole)	Radishes
Cabbage	Kale	Red Table Beets
Carrots	Lettuce	Tomatoes
Cauliflower	Mustard	Turnips
Collards	Peppers	

Broadcast and mix into soil 1-2 days before planting. Apply 3 1/2 oz. per 500 sq. ft. and mix into soil to a depth of 1-2 inches.

To Control other pests on:

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER: Root Maggot - Broadcast and mix into soil just before planting or transplanting. Apply 7-10 1/2 oz. per 500 sq. ft. and mix into the soil to a depth of 3-4 inches.

ONIONS (green, bulb): Onion Maggots - Broadcast 7-14 oz. per 500 sq. ft. just before planting and mix into the soil to a depth of 3-4 inches. Resistant onion maggots will not be controlled by diazinon or similar type insecticides.

SWEET CORN: Seed Corn Maggots - Apply 7-14 oz. per 500 sq. ft. just before planting and mix into the soil to a depth of 2 inches.

SAFETY GUIDELINES

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. **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 the label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through the 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 and 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. **NOTE TO PHYSICIAN:** Diazinon 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.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give

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anything by mouth to an unconscious person. If Inhaled: Remove affected person to fresh air and apply artificial respiration if indicated. If On Skin: Wash promptly with soap and water. Rinse thoroughly. If irritation persists, get medical attention. If In Eyes: Rinse eyes with plenty of water and call a physician immediately.

ENVIRONMENTAL HAZARDS

This pesticide 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 washwaters.

Filled by weight not by volume. Product may settle after packaging.

NOTICE: Seller make no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

THE CHAS. H. LILLY CO.
PORTLAND, OREGON 97283
EPA Est. No. 9198-OH-2
EPA Reg. No. 802-556
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