

JAN 27 1991

Ms. Dawn Smith
Micro Flo Company
Route 1, Box 190
Sparks, GA 31647

Subject: Amendment - Revise per Diazinon Registration Standard
Diazinon 2 $\frac{1}{2}$ Lawn & Perimeter Granules
EPA Reg. No. 51036-69
Your submission dated April 23, 1990

Dear Ms. Smith:

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

- 1) The Diazinon Registration Standard stipulates that diazinon outdoor use products are classified as Restricted Use due to avian and aquatic toxicity unless they are registered for application by homeowners to the home yard and/or home garden or by commercial applicators only to home yards. You can clarify the intended use site for this product by addition of "For outdoor use on the home lawn" on the front panel. A good location for this addition would be just under "Treats up to 2500 square feet".
- 2) Revise the Environmental Hazards to read as follows:

This pesticide is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, 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 and waterfowl. Avoid overlapping of granules. For lawns, where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area

after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after applying this product, however, stop watering before puddling occurs. 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 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 wash waters.

- 3) In the "Precautions" under the heading "Overall Lawn Application", revise the sixth sentence to read as follows:

Where thorough watering is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected to enter the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after applying this product, however, stop watering before puddling occurs.

- 4) Revise the first sentence of the directions for aiding in control of fire ants to read as follows to clearly indicate the home-use nature of this product:

To aid in the control of fire ants in home lawns and other outdoor home recreational areas, apply 1 1/4 cups over, and 2 ft. around, each fire ant mound.

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. Labeling released for shipment after the August 31, 1991 deadline imposed by the Diazinon Registration Standard should be the revised amended label.

Sincerely yours,

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

New

3 9 9

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 27 1991

**THIS PRODUCT MUST NOT BE USED ON GOLF COURSES
AND SOD FARMS**

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

51030-69

**MICRO FLO
DIAZINON 2% LAWN AND PERIMETER GRANULES**

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 (see complete list elsewhere on label)

*Aids in control

Treats up to 2500 square feet

ACTIVE INGREDIENT:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-
4-pyrimidinyl) phosphorothioate 2.0%

INERT INGREDIENTS: 98.0%

TOTAL 100.0%

Ready-to-use. Contains 2% diazinon insecticide

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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.

BEST AVAILABLE COPY

479

See additional precautionary statements elsewhere on label

EPA Reg. No. 51036-69

EPA Est. No. 51036-GA-1

NET CONTENTS: _____

Manufactured By
MICRO FLO COMPANY
P.O. BOX 5948
LAKELAND, FLORIDA 33807

BEST AVAILABLE COPY

5 7 7

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.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish and wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water or wetlands (swamps, bogs, marshes, and pot-holes). Runoff may be hazardous to aquatic organisms in neighboring areas. Collect or incorporate granules that are spilled during loading or are visible on soil surfaces in turn areas. Do not contaminate water by disposal of equipment washwaters.

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. Rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of granules. Keep out of lakes, streams, ponds, tidal marshes and estuaries. 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.

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 tag in trash.

BEST AVAILABLE COPY

DIRECTIONS FOR USE AND CONDITIONS OF SALE

IMPORTANT: Read the entire **DIRECTIONS FOR USE** and the **CONDITIONS OF SALE** before using this product. If terms are not acceptable, return the unopened product container at once.

DIAZINON 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 | Leathoppers | |
| | 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

OVERALL LAWN APPLICATION

DIAZINON 2% LAWN & PERIMETER GRANULES control lawn pests on both grass and dichondra lawns. Apply Diazinon 2% Lawn and Perimeter Granules to your lawn with a fertilizer spreader at the rate shown on side panel chart. 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').

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

BEST AVAILABLE COPY

IMMEDIATELY AFTER APPLICATION, HOWEVER, STOP WATERING BEFORE PUDDLING OCCURS.

CHINCHBUGS, EARWIGS, ANTS, LAWN MOTHS (SOD WEBWORMS), BERMUDAGRASS MITES, CRICKETS, ARMYWORMS, BROWN DOG TICKS, CHIGGERS, CLOVER MITES, CUTWORMS, FLEAS, LEAFHOPPERS, SOWBUGS, MILLIPEDES, SPRINGTAILS (COLLEMBOLA). Application should be made when grass is dry. Water lawn lightly after application. Repeat application in 7 to 10 days if necessary.

BILLBUGS; WHITE GRUBS OF JAPANESE BEETLE, EUROPEAN CHAFER, SOUTHERN CHAFER, ATAENIUS SPRETULUS (DUNG BEETLE): 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 to 1/2 inch of water after application. Treat again in late summer or early fall if a second generation occurs.

HYPERODES WEEVILS

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.

Spreader Make and Model	For insects listed Grass and Dichondra Lawns 5 lbs./1,000 sq. ft. of lawn
Central Imperial Mark No. 1662-G	7 1/2
Central Suburbia Lawn Spreader No. 1622-0	7 1/2

0 7 1

Cyclone Model B 1 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

SPOT TREATMENT

ANTS: Apply one tablespoon of Diazinon 2% Lawn and Perimeter 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. 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 to 80 degrees F, or in early morning or late evening hours. Treat new mounds as they appear.

DIGGER WASPS: Apply one tablespoon of Diazinon 2% Lawn and Perimeter Granules in and around each individual ground nest opening. Make the application about dusk when the wasps are not active.

BAND TREATMENT AROUND FOUNDATION

BEST AVAILABLE COPY

The following insects are commonly found around or near the foundation of houses as well as in the lawn.

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 Diazinon 2X Lawn and Perimeter Granules next to the foundation of the house. Distribute the granules uniformly using a rate of 8 ozs. for each 5' by 20' area to be treated.

CONDITIONS OF SALE

All statements concerning the use of this product apply only when used as directed. THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL. Read all directions carefully.

BEST AVAILABLE COPY