

51036-69

8-29-2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mr. Matthew Talley
Micro Flo Company
530 Oak Court Drive, Suite 100
Memphis, TN 38117

AUG 29 2001

Dear Mr. Talley:

Subject: Amendment - Comply with 2000 Diazinon MOA,
Update First Aid per PR Notice 2001-1, and
Update CSF/replacement diazinon source
Diazinon 2G Lawn & Perimeter
EPA Registration Number 51036-69
Your submission dated June 1, 2001

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 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 the **First Aid** section, revise the last item of the **If Swallowed** advice to read "Do not give anything by mouth to an unconscious or convulsing person."
 - b. In the **Hazards to Humans and Domestic Animals** text, revise "Food and utensils such as tablespoons..." to read "Food utensils such as tablespoons..."
 - c. In the **Environmental Hazards**, you may shorten the sentence "Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark." to just "Do not apply directly to water."
 - d. The **Special Precautions To Reduce Risks to Birds** heading and associated text should appear within an outline box.

- e. All the lawn pest directions state that the recommended rate is 5 lbs. per 1000 sq. ft., however, the Timing/Special Directions for the pest *Hyperodes* weevils gives a translation of "2 lbs. per 1000 sq ft = 3.2 oz per 100 sq ft.". Correct this to read 5 lbs. per 1000 sq. ft. and recalculate the conversion, since 3.2 oz. per 100 sq ft. is the rate for a 5% diazinon granular product, not a 2% one..
 - f. Likewise, while all the lawn pest directions state that the recommended rate is 5 lbs. per 1000 sq. ft., the heading of the spreader setting table states "to deliver 2 lbs./1000 sq. ft.". Are the rates given to actually deliver 2 pounds or to deliver the recommended 5 pounds? Revise the heading or the heading and rates, if necessary, to reflect the recommended 5 pound rate. The footnote to the table already indicates the correct 5 pound rate.
 - g. The correct width for the house foundation band treatment is 2 feet (as appears in the first sentence of those directions). In the next sentence revise "(5' by 20')" to read "(2' by 50')".
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.
 4. Comply with all applicable provisions of the 2000 Memorandum of Agreement Regarding Pesticide Products Containing Diazinon (i.e., the Diazinon MOA). In accordance with the Diazinon MOA you have requested the following revisions to the conditions of registration for this diazinon product with only outdoor non-agricultural (i.e., home and garden) uses:
 - a. You have requested under section 6(f) of FIFRA that this registration be voluntarily canceled on a date not later than December 31, 2004.
 - b. You may not manufacture, label, or release for shipment this product after June 30, 2003.
 - c. You may not sell or distribute this product after August 31, 2003.
 - d. The registration for this product shall expire and be canceled on December 31, 2004.
 - e. You will send to every person who directly purchases this product (i.e., to every seller) a notification of Product Recovery Program to be conducted by Syngenta and Makhteshim after December 31, 2004.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

The Alternate Confidential Statement of Formula (CSF) dated June 5, 2001 and identifying your replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

Sincerely,

George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

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

MICRO FLO
DIAZINON 2% LAWN & PERIMETER GRANULES

Ready-to-use Granules.
Contains 2% Diazinon Insecticide.

For outdoor use on the home lawn only

ACTIVE INGREDIENT:

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

INERT INGREDIENT:..... 98.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

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.

See elsewhere on label for additional precautionary statements.

EPA Reg. No. 51036-69

ACCEPTED
with COMMENTS
In EPA Letter Dated:
AUG 29 2001

EPA Est. No. 51036-GA-1

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
51036-69**

Manufactured By:
MICRO FLO COMPANY
P.O. BOX 772099
MEMPHIS, TN 38117

IMPORTANT! Read 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.

PRECAUTIONARY STATEMENTS
Hazards To Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing dust and contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating or smoking. May cause contact sensitization following repeated contact with skin of susceptible individuals. If sensitization reactions results, consult a physician. Food and utensils such as tablespoons or measuring cups must not be used for measuring 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 has dried.

EMERGENCY TELEPHONE NUMBERS: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact:

- (800) 424-9300 CHEMTREC (transportation and spills)
- (800) 900-4044 Poison Control Center (human health)
- (800) 345-4735 ASPCA (animal health)

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 and waterfowl. Avoid overlapping granules. Granules that are spilled or are visible on the soil surfaces should be covered with soil or thoroughly mixed into the soil.

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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, 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 wash waters.

DIRECTIONS FOR USE

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

Reformulation or repackaging of this product is prohibited.

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. 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. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In case of emergency, call 1-800-424-9300.

In Lawns Diazinon 2% Lawn & Perimeter Granules Kills:

Ants, Armyworms, Bermudagrass mites, Billbugs, Cutworms, Brown dog ticks, Mole crickets, Chiggers, Onion maggots, Chinch bugs, Root maggots, Clover mites, Crickets, Wireworms, Cutworms, Digger wasps, Earwigs, Fleas, Fire ants*, Lawn moths, Leafhoppers, Millipedes, Sod webworms, Sowbugs (Pillbugs), Springtails, White grubs of: European chafer, Japanese beetle, Southern chafer.

*Aids in control.

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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 in 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 feet 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 4 applications per year.

Diazinon 2% Lawn & Perimeter Granules controls certain lawn insects on both grass and dichondra lawns. Apply Diazinon 2% Lawn & Perimeter Granules with fertilizer spreader. Refer to the directions that follow for use rates and spreader settings.

PEST:

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)

RATE:*

Apply 5 lbs. per 1,000 sq. ft.

TIMING/SPECIAL DIRECTIONS:

Apply when grass is dry. Water lawn lightly after application. If necessary, repeat applications at 3-week intervals. Make no more than 4 applications per year.

PEST:

Billbugs, White Grubs of Japanese beetle, European chafer, Southern chafer, Ataenius sprelulus (dung beetle)

RATE:*

Apply 5 lbs. per 1000 sq. ft.

TIMING/SPECIAL DIRECTIONS:

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 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.

PEST:

Hyperodes weevils

RATE:*

Apply 5 lbs. per 1000 sq. ft. of grass.

TIMING/SPECIAL DIRECTIONS:

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.

*1,000 sq.ft. = an area 20 ft. x 50 ft.

100 sq. ft. = an area 10 ft. x 10 ft.

2 lbs. per 1,000 sq. ft. = 3.2 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.

LAWN SPREADER SETTING NO.**
(to deliver 2 lbs/1000 sq ft)

<u>Spreader Make and Model</u>	<u>Setting</u>
Central Imperial Mark No. 1662-G	7 1/2

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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 Precision Flow Spreader Model PF-4	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.

LAWN SPOT TREATMENT

ANTS:
Apply 1 tablespoon of Diazinon 2% Lawn & Perimeter Granules over and around each individual anthill.

FIRE ANTS:
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. Immediately after application, water in thoroughly. A minimum of 1 gallon of water should be applied to each mound area. Reapply as necessary. Apply water 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 to 80 degrees F, 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 WASPS:
Apply 1 tablespoon of Diazinon 2% Lawn & Perimeter Granules in and around each individual ground nest opening. Apply at dusk when wasps are not active.

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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 (Collembola), Earwigs.

To control these pests, apply a 2-foot band of Diazinon 2% Lawn & Perimeter Granules next to the house foundation. Distribute granules uniformly, using a rate of 8 oz. for each 100 sq. ft. of area (5' by 20') treated. If necessary, repeat application at 3-week intervals.

Read all directions carefully.

MICRO FLO WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSE STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS FOR USE. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE 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 MICRO FLO. IN NO CASE SHALL MICRO FLO BE LIABLE FOR THE CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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