

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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JAN 17 1990

Ms. Dawn A. Smith  
Micro-Flo Company  
P.O. Box 5948  
Lakeland, FL 33807

Dear Ms. Smith:

Subject: Amendment - Label Revision - Addition of Fire Ants  
Diazinon 5G  
EPA Registration No. 51036-93  
Your Application Dated November 22, 1989

The labeling referred to above, submitted in connection with registration under the Federal Insecticide Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Note that the Registration Standard for Diazinon was issued in December 1988 and amended on August 24, 1989. Please refer to these documents regarding the Agency's current regulatory positions on diazinon. data the Agency determined to be necessary to fully characterize diazinon. revised or new labeling requirements, and compliance dates.

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosure

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59414-I-Arrington-A-4-LR-2-KENCO:1/17/90:2/12/90:dg:BW:VO:DD:CL

CONCURRENCES

| SYMBOL | SURNAME | DATE |  |  |  |  |  |
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**THIS PRODUCT MUST NOT BE USED ON  
ON GOLF COURSES NOR ON SOD FARMS**

**MICRO FLO  
DIAZINON 5G**

**ACTIVE INGREDIENT:**

Diazinon [0,0-Diethyl o-(2-isopropyl-4-methyl-6-pyrimidinyl phosphorothioate) ..... 5.0%

**INERT INGREDIENTS:** ..... 95.0%

**TOTAL** ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**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 a finger. Repeat until vomit fluid is cleared. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

**IF INHALED:** Remove victim to fresh air and apply artificial respiration if indicated.

**IF ON SKIN:** Remove contaminated clothing and wash affected areas immediately with soap and water.

**IF IN EYES:** Rinse eyes for at least 15 minutes with water and call a physician immediately.

**NOTE TO PHYSICIAN:** Product contains an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine by injection is antidotal. 2-PAM is also antidotal, and may be administered in conjunction with atropine.

See Elsewhere on Label For Additional Precautionary Statements

EPA Reg. No. 51036-93

EPA Est. No. 51036-GA-1

**Manufactured By  
MICRO FLO COMPANY**

**P.O. BOX 5948  
LAKELAND, FLORIDA 33807**

*M...*  
In EPA Label Data

51036-93  
EPA REG. NO. 51036-93

**PRECAUTIONARY STATEMENTS**  
**Hazards To Humans And Domestic Animals**  
**CAUTION**

Keep children and pets off treated areas until material is washed into soil and grass is dry. Harmful if swallowed. May be absorbed through the skin. May be injurious to eyes and skin. Do not take internally. Do not get in eyes or on skin. Do not smoke while using. Wash thoroughly after handling. Wash contaminated clothing before reuse. Flush contaminated eyes with plenty of water and get medical attention.

**ENVIRONMENTAL PRECAUTIONS**

This product is toxic to fish, birds, and other wildlife. Birds and other wild-life in treated areas may be killed. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flames. Keep container closed. Handle in a ventilated area.

**DIRECTIONS FOR USE**

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

**RE-ENTRY STATEMENTS**

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until dusts have settled.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following formation: **CAUTION! Area treated with Diazinon on (date of application). Do not enter without appropriate protective clothing until dusts have settled** Protective clothings means, at least a hat or other suitable head

covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Store in a dry place. In case of minor spills, follow all precautions and clean up immediately. Sweep up and dispose of wastes and broken or empty containers in a landfill approved for pesticide use.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**IMPORTED FIRE ANTS**

To aid in the control of imported 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 degrees to 80 degrees, or in early morning or late evening hours. Treat new mounds as they appear.

**IN LAWNS, DIAZINON 5G KILLS**

Ants, Armyworms, Bermudagrass mites, Billbugs, Brown Dog Ticks, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Digger Wasps, Earwigs, Fleas, Lawn Moths, Leafhoppers, Millipedes, Sod Webworms, Sowbugs, Springtails, White Grubs of: Japanese Beetle, European Chafer, Southern Chafer

**IN GARDENS, DIAZINON 5G KILLS**

Armyworms, Carrot Rust Flies, Corn Borers, Cutworms, Mole Crickets, Onion Maggots, Root Maggots, Rootworms, Vinegar Flies, Wireworms

**OVERALL LAWN APPLICATION**

Diazinon 5G control the following lawn insects on both grass and dichondra lawns:

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Ants, Armyworms, Bermuda Mites, Brown Dog Ticks, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Earwigs, Fleas, Lawn Moths (Sod Webworms), Leafhoppers, Millipedes, Sowbugs, Springtails (Collembola).

Apply Diazinon 5G with a fertilizer spreader. See spreader setting chart. Apply when grass is dry. Water lawn lightly after application. 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'). For heavy lawns such as St. Augustine grass lawns, the rate should be increased to 3 lbs. per 1000 sq. ft. (or 4.8 oz. per 100 sq. ft.).

Billbugs: White grubs of Japanese beetle, European chafer, and Southern chafer: Apply 2.5 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, apply any time between late July and early October.

Hyperodes weevils (New York only): 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 1/2 teaspoons of Diazinon 5G over and around each ant hill.

Digger wasps: Apply 1/2 teaspoons 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, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs), Springtails (Collembola)

Apply a 5-foot band of Diazinon 5G 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**

Diazinon 5G controls certain garden insects on crops listed below. Apply just prior to planting and immediately mix thoroughly into soil to the specified depth, except where applied in seed furrow.

**CUTWORMS (Surface and Subterranean)**

Broccoli, Cabbage, Cantaloupes, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Lima Beans, Muskmelons, Parsley, Peas, Peppers, Potatoes, Snap Beans,

**Spinach, Summer Squash Swiss Chard, Tomatoes, Watermelons, Winter Squash**

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

**MOLE CRICKETS**

**Broccoli, Cabbage, Cauliflower, Collards, Endive (Escarole), Kale, Lettuce, Tomatoes, Turnips**

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

**WIREWORMS**

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

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

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

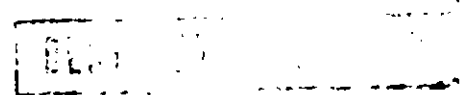
**ONIONS:** Onion Maggots: Apply 4 oz. per 500 sq. ft. in a seed furrow at planting time.

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

**SWEET CORN:** Corn Rootworms: Apply 4 to 7 oz. per 500 sq. ft. in a band over the row at planting time. Cutworms: Apply 7 to 11 oz. per 500 sq. ft. Mix into soil to a depth of 1 to 2 inches for surface cutworms and 3 to 6 inches for subterranean cutworms.

**European Corn Borers:** Apply 4 to 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 per plant.\* **Fall armyworms:** Apply 4 to 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 to 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 to 15 oz. per 500 sq. ft. in a broadcast application. Mix into soil to a depth of 4 to 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 to 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.

**SPREADER SETTING NO. (per 1000 sq. ft.)**

| SPREADER  | INSECTS LISTED BELOW*                 |                                 | WHITE GRUBS, BILLBUGS |
|---|---------------------------------------|---------------------------------|-----------------------|
| MAKE AND MODEL                                  | GRASS OR DIC-<br>ONDRA LAWN<br>2 LBS. | ST. AUGUSTINE<br>LAWN<br>3 LBS. | 2 1/2 LBS.            |
| Central Imperial<br>Mark No. 1662-G             | 6 1/2                                 | 7 1/4                           | 7                     |
| Central Suburbia<br>Lawn Spreader<br>No. 1622-0 | 6 1/2                                 | 7 1/2                           | 7                     |
| Cyclone Model B;<br>Rotary                      | 4 1/2                                 | 5                               | 4 3/4                 |
| Greenfield<br>Model 105                         | 6 1/2                                 | 7 1/4                           | 6 3/4                 |
| J.C. Penney<br>Model 6005                       | 7 1/4                                 | 8                               | 7 1/2                 |

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|                                    |   |   |       |
|------------------------------------|---|---|-------|
| J.C. Penney<br>Rotary Spreader     | 5 | 7 | 6     |
| Scott Model 35                     | 4 | 5 | 4 1/2 |
| Sears Craftsman<br>Model 671.19198 | 6 | 7 | 6 1/2 |

\*Ants, Armyworms, Bermudagrass Mites, Brown Dog Ticks, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Earwigs, Fleas, Hyperodes Weevii (New York Only), Lawn Moths (Sod Webworms), Leafhoppers, Millipedes, Sowbugs, Springtails (Collembola)

**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.

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