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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

SEP 27 2001

Mr. Matthew Talley  
Micro Flo Company  
P. O. Box 772099  
Memphis, TN 38117-2099

Dear Mr. Talley:

Subject: Amendment - Comply with 2000 Diazinon MOA,  
Update First Aid per PR Notice 2001-1,  
Delete Beans, Celery, Swiss Chard,  
Cucumber, Parsley, Peas, Peppers,  
Irish Potatoes, Summer and Winter Squash,  
Sweet Potatoes, and Turnips  
And Update CSF/replacement diazinon source  
Diazinon 14G  
EPA Registration Number 51036-70  
Your submission dated May 30, 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. As agreed by telephone, your finished labeling for this amendment will not contain directions for use on Sweet Potatoes. As noted in List 1 of the Federal Register Cancellation Order dated September 20, 2001, the use on Sweet Potatoes is not supported under the diazinon MOA.
  - b. In the First Aid section, in the last item of the If Swallowed advice, add "or convulsing" after "unconscious".

- c. In the Agricultural Use Requirements, the REI should be 12 hours rather than 24 hours.
  - d. Under the heading Vegetable Crops, the heading and associated text of the Special Precautions to Reduce Risks to Birds should appear within an outline box (like the one around the Agricultural Use Requirements).
  - e. Under the heading Vegetable Crops, revise the sentence "Do not apply this product to food crops grown in greenhouses." to read "Do not apply this product in greenhouses."
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

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 two Alternate Confidential Statements of Formula (CSFs) identified as A and B and dated May 30, 2001, and which identify your replacement diazinon source Manufacturing Use Product, are acceptable and have been added to this product's registration file.

Sincerely,

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

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RESTRICTED USE PESTICIDE  
Due to Avian and Aquatic Toxicity  
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

MICRO FLO  
DIAZINON 14G  
GRANULAR INSECTICIDE

ACCEPTED  
with COMMENTS  
by EPA Letter Dated  
SEP 27 2001

For control of certain soil insects including wireworms, cutworms, and other crop pests.

Under the Federal Insecticide, Fungicide, and Rodenticide Act, registration of this pesticide requires EPA Reg. No. 51036-70

ACTIVE INGREDIENT:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate .....	14.3%
INERT INGREDIENTS: .....	85.7%
TOTAL .....	100.0%

Diazinon 14G is a granular insecticide.

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.

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NOTE TO PHYSICIAN: This product is an organophosphate insecticide that inhibits cholinesterase. 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 additional precautionary statements elsewhere on label

EPA Reg. No. 51036-70

EPA Est. No. 51036-GA-1

Manufactured By  
MICRO FLO COMPANY  
P.O. BOX 772099  
MEMPHIS, TN. 38117-2099

PRECAUTIONARY STATEMENTS  
Hazards To Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust and contact with eyes, skin or clothing. Do not store near food or feed products. Do not contaminate ornamental fish ponds.

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)

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Waterproof gloves
3. Shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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#### ENGINEERING CONTROL STATEMENT

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides {40 CFR 170.240 (d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

#### USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds. Avoid overlapping granules. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn areas. 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 highwater 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 washwaters.

#### DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

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.

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

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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.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, MICRO FLO MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

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. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

EXCEPTION: If this product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is:

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- 1. Coveralls
- 2. Waterproof gloves
- 3. Shoes plus socks

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Store in a cool, dry, well-ventilated area away from food or feed. PESTICIDE DISPOSAL: Pesticide or equipment rinsate that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles into application equipment. Then dispose of empty bag in a sanitary landfill or incinerate, or burn if allowed by state and local authorities. Stay out of smoke during burning. Do not reuse container.

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 an emergency call 1-800-424-9300.

FAILURE TO FOLLOW ALL PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

Unless directions under specific uses state otherwise, applications to the soil should be worked into the top few inches immediately after application with a rotary hoe, cultivator, disk, harrow, or other suitable means for greatest effectiveness.

WORK SAFETY RULES

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

When handling Diazinon 14G, do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See FIRST AID section of this label. When handling this product, wear the Personal Protective Equipment (PPE) listed in this label.

VEGETABLE CROPS

Special Precautions To Reduce Risks To Birds

Birds feeding on treated areas may be killed. To reduce risks to birds:

1. Thoroughly incorporate this product into the soil during or immediately after application. Refer to the soil incorporation table that follows.
2. Cover or incorporate spilled granules.

Diazinon 14G should be applied uniformly as directed for each crop. When a range of rates is given, use the higher rate for heavy infestations.

For application by ground equipment only. Do not apply this product to food crops grown in greenhouses.

NOTE: SOIL INCORPORATION - Unless directions under specific uses state otherwise, for control of pests listed below, Diazinon 14G should be incorporated into the soil during or immediately after application.

<u>INSECT</u>	<u>DEPTH OF INCORPORATION</u>
Surface cutworms*	2 to 3 inches
Subterranean cutworms*	3 to 6 inches
Mole crickets	1 to 2 inches
Root maggots	3 to 4 inches
Wireworms	4 to 8 inches

\*If cutworms cannot be identified, incorporate 4 to 6 inches.

BEETS, RED (Table):

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.



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**BROCCOLI:**

Root Maggots - 14 to 21 lbs. per acre. Broadcast and incorporate into the soil just before planting or transplanting.

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

**BRUSSELS SPROUTS:**

Root Maggots - 14 to 21 lbs. per acre. Broadcast and incorporate into the soil just before planting or transplanting.

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

**CABBAGE:**

Root Maggots - 14 to 21 lbs. per acre. Broadcast and incorporate into the soil just before planting or transplanting.

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

**CARROTS:**

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

**CAULIFLOWER:**

Root Maggots - 14 to 21 lbs. per acre. Broadcast and incorporate into the soil just before planting or transplanting.

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

**COLLARDS:**

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

**ENDIVE (Escarole):**

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

**GINSENG:**

Cutworms, Climbing cutworms, Wireworms, White grubs - 14 to 28 lbs. per acre. In new beds, broadcast just before planting and incorporate into the top 4 to 8 inches of soil by tilling with hand-held or powered ground equipment.

Cutworms, Climbing cutworms, Wireworms, White grubs - 21 lbs. per acre. When soil insect damage appears in established beds, broadcast in the spring or late summer through early fall. Incorporate mechanically with 1/2 inch of irrigation.

NOTE: Do not apply more than once per growing season. Do not apply within 12 months of harvest.

**KALE:**

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

LETTUCE:

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

MELONS (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians and Hybrids of these) and WATERMELONS:

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

MUSTARD:

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

ONIONS (Green and Bulb):

Onion Maggots - 14 to 28 lbs. per acre. Broadcast just before planting and incorporate into the top 3 to 4 inches of soil.

NOTE: Diazinon will not control organophosphate-resistant onion maggots.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

RADISHES:

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

SPINACH:

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

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SWEET CORN:

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Seed Corn Maggots - 14 to 28 lbs. per acre. Broadcast just before planting and incorporate into the soil 2 inches.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

~~SWEET POTATOES:~~

~~Wireworms, Flea Beetles - 21 lbs. per acre. Broadcast and incorporate just before planting.~~

TOMATOES:

Cutworms - 14 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

Mole Crickets - 7 lbs. per acre. Broadcast and incorporate into plant beds or fields 1 to 2 days before sowing of seed or transplanting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil just before planting.

FIELD CROPS

Special Precautions To Reduce Risks To Birds

Birds feeding on treated areas may be killed. To reduce risks to birds:

1. Thoroughly incorporate this product into the soil during or immediately after application. Refer to the soil incorporation table that follows.
2. Collect or incorporate granules that are spilled during loading or are visible on soil surface in turn areas.

Diazinon 14G should be applied uniformly as directed for each crop.

SUGAR BEETS:

Sugar Beet Root Maggots - 7 to 14 lbs. per acre or 4.7 to 9.4 oz. per 1,000 linear ft. of row. Apply in a 5 to 7 inch band (based on 22" row spacing) incorporated 2 to 3 inches at planting.

Wireworms - 21 to 28 lbs. per acre. Broadcast and incorporate into the soil 4 to 8 inches just before planting.

NOTE: Do not apply more than 28 lbs. of Diazinon 14G per acre to the soil per season.