

Reg # 51036 - 71

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

DEC 2 1993

Morris Gaskins  
MICRO-FLO CO.  
P.O. Box 5948  
Lakeland, FL 33807

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 05/24/93 in Response to PR Notice 93-7  
EPA Reg. No. 51036-71  
DIAZINON AG-500 INSECTICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

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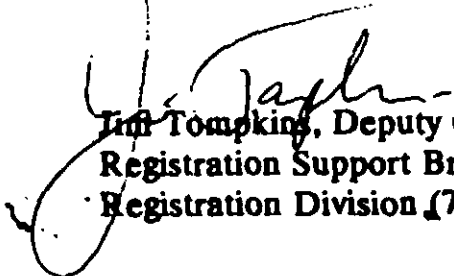
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jeff Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

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MICRO-FLO COMPANY  
DIAZINON AG-500 INSECTICIDE  
51036-71 5/24/93  
Original Submission

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

The Agricultural Use Requirements section must either be placed in a box or printed on the label in a contrasting color from surrounding text.

Delete the REI exception statement from the Agricultural Use Requirements Box. Follow the instructions on page 36 of the Main Labeling Guidance for placement of crop-specific REIs.

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated

DEC 2 - 1993

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

51036-71

Draft labeling for WPS language in response to PR 93-7

**THIS PRODUCT MUST NOT BE USED ON  
GOLF COURSES NOR ON SOD FARMS**

**DIAZINON AG-500  
ORGANOPHOSPHATE**

Recommended for Agricultural or Commercial Use Only

ACTIVE INGREDIENT:	0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate .....	48.0%
INERT INGREDIENTS:	.....	52.0%
	TOTAL.....	100.0%

This product contains 4 pounds Diazinon Insecticide per gallon.

**KEEP OUT OF REACH OF CHILDREN  
WARNING AVISO**

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

**STATEMENT OF PRACTICAL TREATMENT  
Organophosphate**

**IF SWALLOWED:** Call a physician immediately. Do not induce vomiting unless no other treatment is available. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF ON SKIN:** In case of contact, remove contaminated clothing and immediately wash skin with soap and water.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician immediately.

**IF INHALED:** Remove victim to fresh air. Apply respiration if indicated.

**This product is an organophosphorus ester that inhibits cholinesterase.**

**NOTE TO PHYSICIAN:** Solvent presents aspiration hazard. Gastric lavage may be indicated if material was taken internally. Diazinon is a cholinesterase inhibitor. Atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

See Additional Precautionary Statements Inside

EPA Reg. No. 51036-71

EPA Est. No. 51036-GA-1

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

**PRECAUTIONARY STATEMENTS  
Hazards To Human and Domestic Animals**

**WARNING**

May be fatal if swallowed. May be absorbed through the skin. May cause contact sensitization following repeated contact with skin in susceptible individuals. Avoid repeated contact with skin. If sensitization reactions results consult a physician. May be injurious to eyes and skin. Combustible liquid. Do not take internally. Do not get in eyes, on skin or clothing. Avoid contamination of food and feedstuff. Flush contaminated eyes with plenty of water.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- 1. Long-sleeved shirt and long pants
- 2. Chemical-resistant gloves, such as barrier laminate or viton
- 3. Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE seperately from other laundry.

**USER SAFETY RECOMENDATIONS**

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
- 3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and wildlife. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may

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be obtained from your Cooperative Agricultural Extension Service.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Keep container closed. Handle concentrate 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.

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, notification to workers, 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 12 hours.

**EXCEPTION:** For greenhouse and agricultural crops involving hand labor, the REI is 24 hours.

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:

1. Coveralls
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Shoes plus socks

#### CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use

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according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

#### GENE L APPLICATIONS

Diazinon AG-500 Insecticide is an emulsifiable solution which when diluted with water according to the directions below is intended for the control of insect pests of agricultural crops. Do not use in barns or dwellings. Do not use on livestock.

In the directions for use given below, best control is obtained when application is made at first sign of insects. Application should be repeated as necessary to maintain control. Do not allow children in treated areas until surfaces are dry.

**CITRUS FRUITS** (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these):

To control Citrus Aphids, Cottony-Cushion Scale Crawlers, and Soft Scale Crawlers, apply 1/2 to 1 pint per 100 gallons of water (maximum 1000 gallons per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear.

To control Citrus Snow Scales, apply 1 to 2 pints per 100 gallons of water (maximum 1000 gallons per acre) as post-bloom spray and again as a summer spray. For heavy Snow Scale infestations use the higher dosage rate. Thorough coverage of tree trunks, limbs, and twigs is essential. Do not apply during bloom. Do not apply to citrus within 21 days of harvest.

Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom.

#### PEACHES & NECTARINES:

To control Peach Twig Borers, mix 1 pint per 100 gallons of water and apply to peaches in May and June.

To control White Peach Scale (Peaches only), as a post-harvest spray, apply 1 1/2 to 2 pints per 100 gallons of water timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations 2 applications may be necessary. Do not apply to peaches within 20 days, or to nectarines within 10 days of harvest. Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom.

#### VEGETABLE FOLIAR INSECTS

Unless otherwise stated, foliar applications of Diazinon AG-500 Insecticide should always be applied to vegetable crops as a spray in a minimum of 2 gallons of water per acre for aerial applications and a minimum of 10 gallons of water per acre for ground applications.

**BEANS** (Pole Beans, Snap Beans, Lima Beans):

To control Black Bean Aphids, Mexican Bean Beetles, Leaf Miners, Apply 1 to 1 1/2 pints per acre.

To control Cucumber Beetles, apply 3/4 pint in 100 gallons of water per acre. Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay. Do not apply if the crop or weeds in the treatment area are in bloom.

**BROCCOLI, CABBAGE AND CAULIFLOWER:**

To control Aphids, Diamondback Moths, Imported Cabbageworms, apply 1/2 to 1 pint per acre. Applications at 7 to 10 day intervals will usually be required. Do not apply to Broccoli or Cauliflower within 5 days, or to Cabbage within 7 days of harvest.

**CARROTS:**

To control Aphids, apply 1 pint per acre. Do not apply within 10 days of harvest.

**CELERY:**

To control Aphids, Flea Beetles, apply 1 pint in 100 gallons of water per acre. Do not apply within 10 days of harvest. Plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for feed or food.

**COLLARDS, KALE, SWISS CHARD, AND TURNIP TOPS:**

To control Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms, apply 1/2 to 1 pint per acre. Do not apply to Collards, Kale, or Turnip tops within 10 days, Swiss Chard within 12 days of harvest.

**CUCUMBERS:**

To control Aphids, Serpentine Leaf Miners, Thrips, apply 1 pint per acre. Do not apply within 10 days of harvest.

**LETTUCE AND ENDIVE:**

To control Aphids, Dipterous Leaf Miners, apply 1/2 to 1 pint per acre. Do not apply within 10 days of harvest.

**MELONS AND SQUASH: (Cantaloupes, Casabas, Crenshaws, Honeydew Melons, Muskmelons, Persian Melons, and hybrids of these Watermelons and their hybrids; Summer and Winter Squash):**

To control Aphids, Leafhoppers, Mites, apply 1 to 1 1/2 pints per acre.

To control Serpentine Leaf Miners, Thrips, apply 1/2 to 1 pint per acre. Do not apply to Melons and Winter Squash within 3 days, or to Summer Squash within 7 days of harvest.

**ONIONS:**

To control Onion Thrips, apply 1 pint per acre. Do not apply within 10 days of harvest.

**PEAS:**



To control Aphids, Leaf Miners, apply 3/4 to 1 pint per acre. Peas may be picked immediately. Pea vines and pea vine hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay. Do not apply if the crop or weeds in the treatment area are in bloom.

**PEPPERS:**

To control Aphids, Serpentine Leaf Miners, apply 1/2 pint per acre. Do not apply within 5 days of harvest.

**POTATOES:**

To control Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leaf Miners, apply at the rate of 1/2 to 3/4 pint per acre.

To control Banded Cucumber Beetles, Leafhoppers, Southern Armyworms, apply 3/4 to 1 pint per acre. Do not apply within 35 days of harvest. Do not apply to commercially grown potatoes which will be hand-harvested. Do not enter or allow entry into the treated area until the 24 hour reentry interval has expired, unless the person entering the area is wearing the personal protective equipment listed on the label. Do not apply this product in a way that will contact unprotected workers, either directly or through drift. Only protected handlers may be in the area during application.

**RADISHES, PARSNIPS, AND TURNIPS:**

To control Aphids, Flea Beetles, Dipterous Leaf Miners, apply 1/2 to 1 pint per acre. Do not apply within 10 days of harvest.

**SPINACH AND BEETS:**

To control Aphids, Dipterous Leaf Miners, apply 1/2 to 1 pint per acre. Do not apply to spinach within 10 days, or to beets within 14 days of harvest.

**SPINACH AND BEETS:**

To control Aphids, Dipterous Leaf Miners, apply 1/2 to 1 pint per acre. Do not apply to spinach within 10 days, or to beets within 14 days of harvest.

**SQUASH (Summer and Winter):** See Melons and Squash Section.

**TOMATOES:**

To control Aphids, Dipterous Leaf Miners, apply 1/2 to 1 pint per acre.

To control Leaf Miners weekly applications are usually required. To control Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, Apply 3/4 to 1 pint per acre. Do not apply within 1 day of harvest.

**VEGETABLE SOIL INSECTS**

Unless otherwise stated, soil applications of Diazinon AG-500 should always be applied to vegetable crops as a spray in a minimum of 5 gallons of water per acre for ground applications.

**BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CANTALOUPE, CAULIFLOWER, CELERY, COLLARDS, CUCUMBERS, ENDIVE (ESCAROLE), KALE, LETTUCE, LIMA BEANS, MUSKMELONS, PARSLEY, PEAS, PEPPERS, POTATOES, SNAP BEANS, SPINACH, SUMMER SQUASH, SWEET CORN, SWISS CHARD, TOMATOES, WATERMELONS, WINTER SQUASH:**

To control Wireworms, broadcast 3 to 4 quarts per acre prior to planting and work into soil 4 to 8 inches immediately. Do not apply to corn during the pollen shed period. Do not apply if the crop or weeds in the treatment area are in bloom.

**POTATOES:**

To control Wireworms, broadcast 3 to 6 quarts per acre prior to planting. Immediately disk or harrow into soil 4 to 8 inches. To control Southern Potatoes Wireworms (Southeastern U.S.) on potatoes grown on mineral soils in the Southeast, apply 2 to 4 quarts per acre as a soil treatment prior to planting, and immediately mix thoroughly by disking, or other suitable means into the top 3 to 6 inches of soil, depending on location of Wireworms.

**FIELD AND FORAGE SOIL INSECTS**

Unless otherwise stated, soil applications of Diazinon AG-500 should always be applied to field and forage crops as a spray in a minimum of 5 gallons of water per acre for ground applications.

**CORN:**

To control Seed Corn Maggots, broadcast 2 to 4 quarts per acre just prior to planting. Work into soil 2 inches immediately.

To control Cutworms (Surface and Subterranean), broadcast 2 to 4 quarts per acre.

For surface Cutworms apply just prior to planting or when larvae first appear and work into soil 1 to 2 inches immediately. Do not apply later than layby.

For subterranean ..Cutworms apply just prior to planting and work into the soil 3 to 6 inches immediately.

To control Wireworms, apply 3 to 4 quarts per acre prior to planting and work into soil 4 to 8 inches immediately. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

To control Cutworms, apply 2 quarts per acre in a 12-inch band over the row. Thorough coverage of the foliage is essential. Begin application when small larvae first appear and work into soil 1-2 inches immediately. To control Wireworms, apply 3 to 4 quarts per acre prior to planting and work into the soil 4 to 8 inches immediately. Corn may be picked immediately following last application. Corn foliage may be fed to dairy and beef cattle and sheep.

Do not apply to corn during the pollen shed period.

**PEANUTS:**

To control Cutworms, apply 2 quarts per acre in a 12-inch band over the row. Thorough coverage of the foliage is essential. Begin

application when small larvae appear. Two or three additional applications at three-week intervals may be necessary. Do not apply within 21 days of peanut harvest. Livestock (1) may be fed peanut hulls, (2) may be fed peanut forage 7 days following treatment and (3) may be fed peanut hay 21 days following treatment.

**SOYBEANS:**

To control Cutworms (Surface and Subterranean), broadcast 2 to 4 quarts per acre just prior to planting. Work into the soil immediately, 2 to 3 inches for Surface Cutworms, 3 to 6 inches for Subterranean Cutworms.

**TOBACCO:**

To control Cutworms, broadcast 2 to 3 quarts per acre before transplanting and work into the soil 2 to 4 inches immediately.

To control Green June Beetle Larvae, mix 1/4 pint in 50 gallons of water and apply as a drench (100 gallons per 100 square yards) to uprooted areas of plant beds with sprinkling can.

To control Mole Crickets, broadcast 1 quart per acre, when insects are present. Make application to beds or fields 1 to 2 days prior to sowing of seed or transplanting, and work into soil 1 to 2 inches immediately.

To control Wireworms, broadcast 2 to 3 quarts per acre 3 to 4 weeks before transplanting. Work into soil 6 to 9 inches immediately.

**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.