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SEP 16 1986

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

Dear Ms. Smith:

Subject: Amendment - Product Chemistry/Labeling Update
Diazinon AG500
EPA Registration No. 51036-71
Your Application Dated June 2, 1986

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) 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. Add the following wording below the product name, "Recommended for Agricultural or Commercial Use Only."
 - b. The xylene range aromatic in this formulation is not considered an active ingredient and should be included in the total percentage of inert ingredients (if you disagree and believe it is insecticidally active please submit these data). Since this inert does present an aspiration hazard if the product is swallowed, the user should be aware of its presence. Therefore, immediately beneath the ingredient statement add the phrase "*Contains xylene range aromatic solvent." The asterisk should also be placed after Inert Ingredients.

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CONCURRENCES

SYMBOL ▶								
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- c. The Spanish wording must be revised to read, "Si usted no lee ingles, no use este producto hasta que la etiqueta se haya sido explicado ampliamente."
- d. "If Swallowed" must be revised to read, "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."
- e. Revise the "If In Eyes" wording to read, "Flush eyes with plenty of water. Call a physician immediately."
- f. Add to the Statement of Practical Treatment section the following subheading and wording:

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.

- g. Please add a street address or P.O. Box along with your company name and city/State.
- h. Revise the following Precautionary Statements section sentences as follows:
 - (1) Revise to read, "Do not get in eyes, on skin or clothing."
 - (2) Add the sentences, "Wash thoroughly after handling and before eating, drinking, or using tobacco products. Avoid contamination of food and feedstuff."
 - (3) Delete the "Note To Physician." It has been placed under the "Statement of Practical Treatment" section along with revised wording.
- i. Delete the Environmental Hazard statement: "Do not apply where runoff is likely to occur."

j. Revise the "Pesticide Disposal" statement to read as follows:

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 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.

k. Under the "Directions for Use" section immediately following the misuse statement add the subheading "Re-Entry Statement." It should be located on the next line and centered. We suggest that this subheading section be blocked in solid print.

In addition, you have failed to include the wording, "Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated, and appropriate actions to take in case of accidental exposure." This must be added following the sentence, "Written or oral warnings must be given to workers who are expected to be in a treated area or in"

1. For future reference the product chemistry information submitted has been assigned EPA Accession No. 263127.

3. Submit five (5) 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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

4510

(Center Panel)

DIAZINON* AG-500

ACTIVE INGREDIENTS:	BY WEIGHT
O,o-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	48.0%
Xylene	36.0%
INERT INGREDIENTS	16.0%
TOTAL	100.0%

Contains 4 pounds Diazinon Insecticide per gallon

*Diazinon, registered trademark, Ciba-Geigy

U.S. Patent No. 2.754.243

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: Do not induce vomiting. Call a physician immediately.
- 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 for 15 minutes. Call a physician.
- IF INHALED: Remove victim to fresh air. Apply respiration if indicated.

See Side Panel For Additional Precautionary Statements

EPA Reg. No. 51036-71

EPA Est. No. 51036-GA-1

Manufactured By
MICRO-FLO COMPANY
SPARKS, GEORGIA 31647

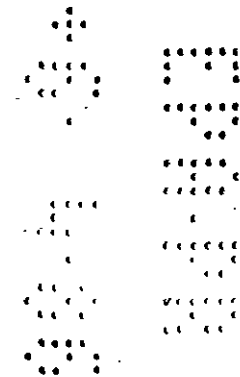
ACCEPTED
with COMMENTS
in EPA Letter Dated

NET CONTENTS: _____

SEP 16 1986

Insecticide,
Fide Act
No.
Reg. No.

51036-71



(Left Panel)

PRECAUTIONARY STATEMENTS

Hazards to Human and Domestic Animals

WARNING: Keep children and pets off treated areas until spray has dried. May be fatal if swallowed. May be absorbed through the skin. May be injurious to eyes and skin. Combustible liquid. Do not take internally. Do not get in eyes or on skin. Do not smoke while using. Flush contaminated eyes with plenty of water and get medical attention. Avoid breathing spray mist or vapors. Do not spray vegetable gardens or other plants for food purposes.

NOTE TO PHYSICIAN: Diazinon is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and wildlife. 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. 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 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.

STORAGE AND DISPOSAL

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

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 - 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.

NOTICE: Buyer assumes all risk and liability of use, storage and/or handling of material not in accordance with the terms of this label.

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.

DIRECTIONS FOR USE

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

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.

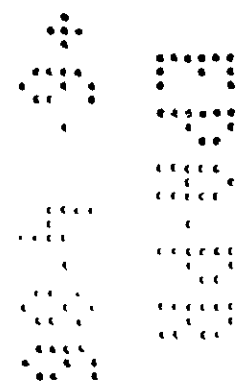
Do not enter treated areas without protective clothing until sprays have dried.

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 in a language customarily understood by the workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by the workers.

Written warnings must include the following information: **WARNING.** Area treated with Diazinon on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before re-use. If in eyes, flush with plenty of water. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

NOTE: The California Department of Agriculture has set a 5-day re-entry to Diazinon Insecticide on citrus, grapes, peaches and nectarines. Five days should lapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of two or more organic phosphate pesticides are applied in combination, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.



(Right Panel)

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 1/2-1 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 1-2 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.

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 - 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.

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 - 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.

BROCCOLI, CABBAGE AND CAULIFLOWER: To control Aphids, Diamondback Moths, Imported Cabbageworms, apply 1/2-1 pint per acre. Applications at 7-10 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 Bug, Corn Earworms, apply 1/2-1 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 1/2-1 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 1-1-1/2 pints per acre. To control Serpentine Leaf Miners, Thrips, apply 1/2-1 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 3/4-1 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.

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 1/2-3/4 pint per acre. To control Banded Cucumber Beetles, Leafhoppers, Southern Armyworms, apply 3/4-1 pint per acre. Do not apply within 35 days of harvest.

RADISHES, PARSNIPS, AND TURNIPS: To control Aphids, Flea Beetles, Dipterous Leaf Miners, apply 1/2-1 pint per acre. Do not apply within 10 days of harvest.

SPINACH AND BEETS: To control Aphids, Dipterous Leaf Miners, apply 1/2-1 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 1/2-1 pint per acre. To control Leaf Miners weekly applications are usually required. To control Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, apply 3/4-1 pint per acre. Do not apply within 1 day of harvest.

VEGETABLE SOIL INSECTS

Unless otherside stated, soil applications of Diazinon AG-506 Insecticide 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, MUSKEMELONS, PARSLEY, PEAS, PEPPERS, POTATOES, SNAP BEANS, SPINACH, SUMMER SQUASH, SWEET CORN, SWISS CHARD, TOMATOES, WATERMELONS, WINTER SQUASH: To control Cutworms (Surface and Subterranean) broadcast 2-4 quarts per acre just prior to planting. Work into the soil immediately - 2-3 inches, for Surface Cutworms, 3-6 inches for Subterranean Cutworms.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, ENDIVE (ESCAROLE), KALE, LETTUCE, MUSTARD, PEPPERS, RADISHES, TOMATOES, TURNIPS: To Control Mo! Crickets, broadcast 1 quart per acre when insects are present. Make application to plant beds or field 1-2 days prior to sowing of seed or transplanting, and work into soil 1-2 inches immediately.

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CANTALOUPE, CARROTS, CAULIFLOWER, CELERY, COLLARDS, CUCUMBERS, ENDIVE (ESCAROLE), KALE, LETTUCE, LIMA BEANS, MUSKEMELONS, ONIONS, PARSLEY, PEAS, PEPPERS, POTATOES, SNAP BEANS, SPINACH, SUMMER SQUASH, SWEET CORN, SWEET POTATOES, SWISS CHARD, TOMATOES, WATERMELONS, WINTER SQUASH: To control Wireworms, broadcast 3-4 quarts per acre prior to planting and work into soil 4-8 inches immediately.

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

FIELD AND FORAGE SOIL INSECTS

Unless otherwise stated, soil applications of Diazinon AG-500 Insecticide 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 2-4 quarts per acre just prior to planting. Work into soil 2 inches immediately. To control Cutworms (Surface and Subterranean), broadcast 2-4 quarts per acre. For Surface Cutworms apply just prior to planting or when larvae first appear and work into soil 1-2 inches immediately. Do not apply later than layby. For subterranean Cutworms apply just prior to planting and work into the soil 3-6 inches immediately. To control Wireworms, apply 3-4 quarts per acre prior to planting and work into soil 4-8 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 3-4 quarts per acre prior to planting and work into the soil 4-8 inches immediately. Corn may be picked immediately following last application. Corn foliage may be fed to dairy and beef cattle and sheep.

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 2-4 quarts per acre just prior to planting. Work into the soil immediately, 2-3 inches for Surface Cutworms, 3-6 inches for Subterranean Cutworms.

TOBACCO: To control Cutworms, broadcast 2-3 quarts per acre before transplanting and work into the soil 2-4 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 1-2 days prior to sowing of seed or transplanting, and work into soil 1-2 inches immediately. To control Wireworms, broadcast 2-3 quarts per acre 3-4 weeks before transplanting. Work into soil 6-9 inches immediately.

FOREST INSECTS

PINE (SEED ORCHARDS, PLANTATIONS, FORESTS): To control Arkansas Sawfly (Loblolly Sawfly) apply 1/2 pint per acre over the tree canopy. Application should be made at or near the completion of egg hatch. Aerial applications should be made with a minimum of 2 gallons of spray per acre, in swaths not more than 90 feet wide. Repeat application as needed.

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.

