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Mr. Morris Gaskins
Micro Flo Co.
P.O. Box 5948
Lakeland, FL 33807

Dear Mr. Gaskins:

Subject: Micro Flo Co. Dimethoate 2.67
EPA Registration No. 51036-192
Your Application for Pesticide Amendment
Dated October 1, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment:
 - a. On page 6 under the directions for use, PEAS, Lentils, correct the spelling of "of" to "or" in the last sentence.
 - b. On page 7 under the directions for use, FIELD CORN, remove "if bees are actively foraging in the treated area" from the bee restriction.
 - c. On page 9 under the directions for use, BIRCH, the application rate should be changed to 1 teaspoon per gallon.
 - d. On page 9 indicate that "PINE JUNIPER" are separate plants by adding the word "and" or a slash between the words.
2. Submit one copy 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,

RAF

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

2910

MICRO FLO
DIMETHOATE 2.67 EC

ACTIVE INGREDIENT:

Dimethoate (O,O-Dimethyl-S-[N-(methylcarbamoyl) methyl] phosphorothioate).....	30.5%
INERT INGREDIENTS*.....	69.5%
TOTAL.....	100.0%

*Contains xylene range aromatic solvent

Contains 2.67 lbs. Dimethoate per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

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

NOT FOR USE OR STORAGE IN OR AROUND HOME

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center. Give one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth to mouth. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash off immediately with soap and water and remove contaminated clothing and shoes. Get medical attention.

NOTE TO PHYSICIAN: This product upon use may cause cholinesterase inhibition. Antidote is atropine.

EPA Reg. No. 51036-192
AD 392492

EPA Est.No.1036-GA-1

Manufactured By
MICRO FLO COMPANY
P.O. Box 5948
Lakeland, FL 33807

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 26 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
51036-192

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PRECAUTIONARY STATEMENTS

Hazards To Humans And Domestic Animals

WARNING

Harmful or fatal if inhaled or swallowed or absorbed through skin. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes and skin. Avoid breathing vapor or spray mist. Wash thoroughly after handling. In case of contact, flush with plenty of water for at least 15 minutes. Get medical attention. Keep away from domestic animals and foodstuffs. Do not contaminate or apply onto feed or foodstuffs. 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or when disposing of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Protective information may be obtained from your Agricultural Extension Service.

PHYSICAL OR CHEMICAL HAZARDS

Combustible liquid and vapor.
Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Before using, read warning statements on product label.

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.

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

- A hat or other suitable head covering.
- A long sleeved shirt.
- Long-legged pants without cuffs (or coverall type garment).
- High top shoes with socks.

Do not enter treated citrus for 4 days without protective clothing.

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

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.

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 and oral warnings must include the following information:

WARNING! Area treated with Dimethoate on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, see precautionary statements on front panel.

REQUIRED CLOTHING AND EQUIPMENT FOR APPLICATION

All applicators, including homeowners, flaggers, and all personnel involved with the mixing, loading and transferring operations must wear the protective clothing and equipment enumerated below. Pilots are exempt from this requirement. The protective clothing and equipment to be worn is as follows:

- a) Impermeable gloves (rubber or plastic covered reinforced)
- b) Boots or boot covers
- c) Long sleeve shirt and long pants
- d) Wide brimmed hat
- e) Respirators must be worn by flaggers and mixer-loaders

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly. Open dumping is prohibited.

STORAGE: Do not store below temperature of 32 degrees F., as it may tend to crystallize. Avoid storage above 90 degrees F., as prolonged storage above 90 degrees F. may cause some loss in grade. Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment listed under "REQUIRED CLOTHING AND EQUIPMENT" when handling open containers.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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 instruction, 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CHEMIGATION PROHIBITION

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

DIRECTIONS FOR APPLICATIONS

Dimethoate 2.67 E is a clear liquid. When added to water, it will disperse readily and will remain physically stable with a **MINIMUM AMOUNT OF AGITATION.**

APPLICATION EQUIPMENT: Dimethoate 2.67E can be applied by any pressure sprayer that will give uniform distribution of the spray such as ground sprayers, aerial sprayers or portable sprayers.

AERIAL APPLICATION: Automatic flagging devices should be used whenever feasible. If human flaggers are employed they must wear the protective clothing and respirator specified on this label. Apply at least one gallon of finished spray per acre. Apply at least 5 gallons finished spray per acre in California.

GROUND APPLICATION: Apply in sufficient water for good coverage unless otherwise stated. Avoid drift to adjacent crops.

NOTE: Pre-harvest interval days indicated in () after each crop.

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FRUIT

REMINDER: Pre-harvest interval days indicated in () after each crop.

APPLES, PEARS (28):

Aphids, Leafhoppers, Mites (except rust mites): Apply 3/4 to 1 1/2 pints per 100 gallons water. Do not apply when trees or substantial number of weeds in orchard are in bloom. Do not graze livestock in treated orchards.

CITRUS (GRAPEFRUIT, LEMONS, ORANGES, TANGERINES) (15):

Aphids: Ground - Apply 3/4 to 1 1/2 pints per 100 gallons water. Apply as an outside coverage spray. Aircraft - 3 to 6 pints per acre in sufficient water to achieve full coverage.

Mites (except rust mites): Ground - Apply 3/4 to 1 1/2 pints per 100 gallons water. Apply as a thorough distribution coverage spray.

Scales (45): (except black or snow) Ground Apply 1 1/2 to 2 pints per 100 gallons water. Apply as a thorough coverage spray.

Thrips: Ground - Apply 3/4 to 1 1/2 pints per 100 gallons water. Apply as a mist spray. Aircraft - Apply 3 to 6 pints per acre.

Whiteflies - Ground - Apply 1 1/2 pints per 100 gallons water. Apply as a thorough distribution coverage spray.

- Do not graze livestock in treated orchards.
- Do not enter treated groves within 4 days of last application without protective clothing.
- Do not apply when trees or substantial number of weeds in the grove are in bloom.
- Do not use on citrus seedlings. Make no more than 2 applications to mature fruit.

CITRUS (NON-BEARING) AND NURSERY STOCK (CALIFORNIA AND ARIZONA):

Thrips, Aphids: Foliar spray, 1 1/2 pints per 100 gallons water. Repeat applications as necessary. Do not apply to trees that will bear fruit within one year. Do not enter treated groves within 4 days of last application.

Soil drench - (Trees 1 to 3 years old) 3 quarts per acre applied in the furrow or basin around the base of the tree. Apply when insect injury to new growth appears. Do not apply to trees that will bear fruit within one year. Dimethoate 2.67EC should be used only on nursery stock and nonbearing trees. Do not apply in the year trees begin to bear a crop. Consult your State Agricultural Experiment Station or State Agricultural Extension Service for proper timing of applications.

NUTS

PECANS (21):

Aphids, Mites, Leafhoppers: Ground only - Apply 1 pint per acre. Do not graze livestock in treated groves.

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VEGETABLE CROPS

REMINDER: Preharvest Interval days indicated in () following crops.

BEANS (GREEN, LIMA, SNAP, DRY (1):

Aphids, Leafhoppers, Leaf Miners, Mites, Lygus Bugs, Lygus Bugs, Bean Leaf Beetle, Mexican Bean Beetle Grasshoppers: Apply 3/4 to 1 1/2 pints per acre. Do not feed treated vines. Do not apply if the crop or weeds in the treatment area are in bloom.

BROCCOLI, CAULIFLOWER (7):

Aphids: Apply 3/4 to 1 1/2 pints per acre.

CABBAGE (3):

Aphids: Apply 3/4 to 1 1/2 pints per acre.

HEAD LETTUCE (14):

Aphids, Leafhoppers, Leaf Miners: Apply 3/4 pints per acre.

LEAF LETTUCE, SPINACH, COLLARDS, KALE, TURNIP (GREEN AND ROOTS), MUSTARD GREENS, SWISS CHARD, ENDIVE (ESCAROLE) (14): Aphids, Leafhoppers, Leaf Miners: Apply 3/4 pint per acre.

MELONS (EXCEPT WATERMELONS) (3):

Aphids, Leaf Miners, Leafhoppers, Thrips: Apply 1 1/2 pints per acre.

WATERMELONS (3):

Aphids, Leaf Miners, Leafhoppers: Apply 3/4 to 1 1/2 pints per acre.

PEAS, Lentils (1):

Aphids: Apply 1/2 pint per acre. Do not feed or graze hay within 21 days after last application when stationary viner is used. Do not feed or graze when a mobile viner is used. Do not make more than one application per season. Do not apply if the crop or weeds in treatment area are in bloom.

PEPPERS (1):

Aphids, Leaf Miners, Maggots: Apply 3/4 to 1 pint per acre.

POTATOES (1):

Aphids, Leaf Miners, Leafhoppers: Apply 3/4 to 1 1/2 pints per acre.

TOMATOES (7):

Aphids, Leaf Miners, Leafhoppers, Grasshoppers: Apply 3/4 to 1 1/2 pints per acre. Where cabbage worms and cabbage loopers are a problem, the above rates of Dimethoate are compatible with Endosulfan, Malathion. Use in accordance with the manufacturer's directions for control of these insects.



FIELD CROPS

REMINDER: Preharvest Interval days indicated in () after each crop.

ALFALFA (10):

Aphids, Leafhoppers, Lygus bugs, Grasshoppers, reduction of Alfalfa weevil larvae: Apply 3/4 to 1 1/2 pints per acre. Do not apply if crop or weeds in the treatment areas are in bloom. Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on cutting to which applied.

COTTON (GROWN IN CALIFORNIA AND ARIZONA) (14):

Lygus bugs, Leafhoppers, Black Fleahoppers: Apply 3/4 to 1 1/2 pints per acre. Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate. Do not feed treated forage or graze livestock on treated fields.

COTTON (except California and Arizona) (14):

Aphids, Mites, Thrips, Fleahoppers: Apply 1/3 to 2/3 pint per acre. Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.

COTTON (Oklahoma, Texas) (14):

Fleahoppers - 1/3 to 2/3 pints per acre. Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.

FIELD CORN (14):

Banks Grass Mites, Aphids, Bean Beetle, Corn Rootworm Adult (excluding Trans Pecos area of Texas): 2/3 to 1 pint per acre. Apply as necessary.

Make no more than three applications per year. Do not feed or graze within 14 days of last application.

Do not apply to corn during the pollen-shed period if bees are actively foraging in the treated area.

Grasshoppers: 1 pint per acre.

SAFFLOWER (CALIFORNIA AND ARIZONA) (14):

Aphids, Leafhoppers, Lygus bugs, thrips: Apply 3/4 to 1 1/2 pints per acre. Repeat applications should not be made at intervals closer than 14 days. Make only 2 aerial applications or 2 ground applications as needed per season.

SORGHUM (MILO): (28)

Aphids, Banks Grass Mites (except Trans Pecos area of Texas), Spidermites: Apply 3/4 to 1 1/2 pints per acre. Make no more than 3 applications per season.

Do not apply after heading.

Grasshoppers: 1 pint per acre.



SOYBEANS (21):

Mexican Bean Beetle, Spider Mites, Bean Leaf Beetle, Leafhoppers, Three-cornered Alfalfa Hopper: Apply 1 3/8 pint per acre. Do not feed or graze within 5 days of last application.

WHEAT (45):

Aphids (green bug): Apply 3/4 to 1 pint per acre.

Brown Wheat Mite: Apply 1/3 to 2/3 pints per acre.

Grasshoppers: Apply 1 pint per acre

Do not apply within 14 days of grazing immature plant.

Do not harvest grain within 35 days of last application.

Do not make more than 2 applications per season.

SEED CROPS**ALFALFA: (10)**

Aphids, Leafhoppers, Lygus bugs, Grasshoppers, reduction of Alfalfa Weevil larvae: Apply 3/4 to 1 1/4 pints per acre. Do not apply if the crop or weeds in the treatment areas are in bloom. Do not feed or graze livestock on treated crop, hay threshings or stubble within 10 days of application.

**OUTDOOR ORNAMENTAL PLANTS
(GROUND APPLICATION ONLY)**

Dimethoate 2.67 is generally effective in controlling aphids, thrips, leaf miners, scales, leafhoppers and mites. Make adequate spray when pests appear or when damage is first observed. Do not overdose or overspray. For proper timing of treatments for the control of specific pests on ornamental plants, consult your state agricultural experiment station or state agricultural extension service.

Do not use on ornamental plants not listed. Do not use on any ornamental stock plants grown as a source of propagation material, such as cuttings, layers, roots, stocks or scions for grafting or budding. Do not use in spray mixtures containing oil. Do not use on plants growing in greenhouses.

AZALEAS:

Lace Bugs, Leaf Miners, Mites, Tea Scale and White Flies - 2 Teaspoonful per gallon of water.

CAMELLIAS:

Aphids, Camellia Scale and Tea Scale - 2 Teaspoonful per gallon of water.

ROSES:

Leafhoppers and Thrips - 2 Teaspoonful per gallon of water.

Foliar spray: Apply 2 sprays 6 weeks apart the first year followed by annual

applications soon after the first growth begins in the Spring.

Soil Drench: Apply as a soil drench around the base of plants in early spring at the rate of 4 Tablespoonful per gallon of water per plant.

BIRCH:

Aphids and Leafminers - 2 Teaspoonful per gallon of water. For leafminers, apply when leaves are expanded and repeat in 6 weeks.

Boxwood:

Leafminers, Mealy Bugs and Mites - 2 Teaspoonful per gallon of water. For leafminers, apply in spring when leaf miner flies first appear or in early summer for control of larvae.

GLADIOLUS:

Aphids and Thrips - 2 Teaspoonful per gallon of water.

HEMLOCKS:

Mites and Scales - 2 Teaspoonful per gallon of water.

EUONYMUS:

Aphids and Scales - 2 Teaspoonful per gallon of water.

PINE JUNIPER:

Mites, Aphids, Bagworms, European Pine Shoot Moth, Nantucket Pine Tip Moth and Zimmerman Pine Moth - 4 Teaspoonful per gallon of water.

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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