


51036-410

05/13/2003

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 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) Ariel Rios Building 1200 Pennsylvania Ave. NW Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <u> X </u> Registration <u> </u> Reregistration (under FIFRA, as amended)</p>	<p>EPA Reg. Number: 51036-410</p>	<p>Date of Issuance: MAY 13 2003</p>
<p>Name and Address of Registrant (include ZIP Code): Micro-Flo Company P.O. Box 772099 Memphis, TN, 38117</p>	<p>Term of Issuance: Conditional</p>	
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c) (7) (A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for the registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Make the following label changes: <ol style="list-style-type: none"> a. Change the EPA Registration Number to 51036-410. b. Precautionary Statements: <ul style="list-style-type: none"> • Change "HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) " to "HAZARDS TO HUMANS AND DOMESTIC ANIMALS". • Under Personal Protective Equipment, delete the text: "Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistant selection chart." <p>(Continued)</p>		
<p>Signature of Approving Official: Mary L. Waller, Product Manager 21 Fungicide Branch, Registration Division</p>	<p>Date: 5/13/2003</p>	

EPA Registration Number 51036-410

Continued from first page.

c. Directions for Use - Resistance Management:

Delete the references to benomyl. There are no currently registered benomyl products.

d. Directions for Use - Recommended Uses Table:

- Under "Beans" change the sentence "The pre-harvest interval for lima beans is 28 days in California and 14 days outside California."
- Under Strawberries add "Do not apply more than 3.3 pounds product per acre per year" in the "Remarks" box.
- Delete the entry for sugar cane: This use was dropped by the original registrant.
- In the Forestry section, in the Douglas Fir row change "converntional" to "conventional"

e. Chemigation:

- Change "Not for registered for this use in California" to "Not registered in California for this use".
- In the fifth paragraph under "instructions for Sprinkler (Overhead) Irrigation" change "Do not apply when wind speed favors drift, to "Do not apply when wind speed favors drift beyond the area intended for treatment,"

3. Submit one (1) copy of the revised final printed label 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 sec. 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. If you have any questions, contact Lisa Jones of my staff at (703) 308-9424 or at jones.lisa@epa.gov.

Sincerely,



Mary L. Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505C)

Enclosures: Stamped copy of label

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THIOPHANATE METHYL 85EG

ACTIVE INGREDIENT:

Thiophanate-methyl (dimethyl[1,2-phenylene)-bis(iminocarbonothioyl)]bis(carbamate) 85.0%

INERT INGREDIENTS: 15.0%

TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES	<ul style="list-style-type: none">• 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.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• 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 INHALED	<ul style="list-style-type: none">• 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 SWALLOWED	<ul style="list-style-type: none">• 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 the poison control center or doctor.• Do not give anything by mouth to an unconscious person.

EMERGENCY NUMBERS:

- Transportation or spill, call CHEMTREC 800-424-9300.
- Human health, call Poison Control Center at 800-900-4044.
- Animal health, call ASPCA at 800-345-4735.

EPA Reg. No. 51036-URN

EPA Est. No. 51036-GA-001

NET CONTENTS: _____

ACCEPTED
with COMMENTS
In EPA Letter Dated:
MAY 13 2003

Manufactured By:
MICRO FLO COMPANY LLC
P.O. BOX 772099
MEMPHIS, TN 38117

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

51036-410

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)

CAUTION

CAUSES MODERATE EYE IRRITATION. HARMFUL IF SWALLOWED, ABSORBED THROUGH THE SKIN, OR INHALED. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist.

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 C on an EPA chemical resistant selection chart.

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Chemical resistant gloves made out of any waterproof material
3. Shoes plus socks

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

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.
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 pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

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 (PPE), and restricted-entry interval. 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.

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 made of any waterproof material.
3. Shoes plus socks

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.

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: After bag has been emptied, 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.

GENERAL INFORMATION

Apply THIOPHANATE METHYL 85EG with ground or aerial equipment, using sufficient volume of spray to provide thorough coverage.

Use a minimum of 2 gallons water per acre for aerial (5 gallons in California) or 10 gallons for ground.

Add required amount of THIOPHANATE METHYL 85EG to partially filled tank agitated by mechanical or hydraulic means, and then add remaining required amount of water. Continuous agitation is required to keep the material in suspension. Micro Flo does not recommend tank mixes with highly alkaline pesticides, such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Use the higher rate under conditions of severe disease pressure. Also, see local State Extension Service recommendations for application schedules.

Chemigation instructions follow Directions for Use. Do not apply through any irrigation system unless these instructions are followed.

RESISTANCE MANAGEMENT

To avoid the development of tolerant or resistant strains of fungi, THIOPHANATE METHYL 85 EG should always be tank mixed with a fungicide of different chemistry, and/or a fungicide of different chemistry should be alternated with THIOPHANATE METHYL 85 EG at each application.

MICRO FLO DOES NOT RECOMMEND THE USE OF PRODUCTS CONTAINING BENOMYL OR THIABENDAZOLE IN COMBINATION OR IN ROTATION WITH THIOPHANATE METHYL 85 EG.

If after using THIOPHANATE METHYL 85 EG as recommended, the treatment is not effective; a tolerant or resistant strain of fungi may be present. Discontinue the use of THIOPHANATE METHYL 85 EG for at least one season. Do not use products containing benomyl or thiabendazole as substitutes for THIOPHANATE METHYL 85 EG, as they are of similar chemistry and will contribute to the development of resistance. As long as these precautions are followed, THIOPHANATE METHYL 85 EG can be useful for disease control, even if resistant strains are present.

RECOMMENDED USES

ALMONDS

DISEASES	LBS PRODUCT/ACRE	REMARKS
Brown Rot Blossom Blight (<i>Monilinia</i> sp.) Scab (<i>Cladosporium</i> sp.)	0.8-1.2	Apply at pink bud and petal fall.
Maximum seasonal application rate is 2.4 lbs. product per acre.		

APPLES (Pre-harvest)

DISEASES	LBS PRODUCT/ACRE	REMARKS
Apple Scab (<i>Venturia</i> sp.) Bitter Rot (<i>Glomerella</i>) Flyspeck (<i>Zygophiala</i> sp.) Powdery Mildew (<i>Podosphaera</i> sp.) Sooty Blotch (<i>Gloeodes</i> sp.) Black Rot (<i>Botryosphaeria</i> sp.) Brooks Fruit Rot (<i>Mycosphaerella</i> sp.)	0.6-0.8	Apply at 5 to 10 day intervals from green tip through petal fall; continue at 7 to 14 day intervals in cover sprays.
Pre-harvest interval is one day. Maximum seasonal application rate is 3.2 lbs product per acre.		

BEANS

DISEASES	LBS PRODUCT/ACRE	REMARKS
Gray Mold (<i>Botrytis</i> sp.) White Mold (<i>Sclerotinia</i> sp.) Anthracnose	0.8-1.6	Apply once at 50% to 70% of full bloom, OR Apply twice with the first application at 20% to 30% of full bloom and a second application at 4 to 7 days later or at peak bloom.
Pre-harvest interval for snap or dry beans is 14 days. Pre-harvest interval for lima beans is 28 days.		

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CUCURBITS (Cucumber, melons, pumpkins, summer and winter squash)
California: use only for Powdery Mildew control.

DISEASES	LBS PRODUCT/ACRE	REMARKS
Anthracnose (<i>Colletotrichum sp.</i>) Gummy Stem Blight (<i>Didymella sp.</i>) Powdery Mildew (<i>Erysiphe sp.</i>) Target Spot (<i>Corynespora sp.</i>)	0.2-0.4 for ground applications OR 0.4 for aerial applications	Begin applications when plants begin to run or when disease first appears, and repeat at 7 to 14 day intervals or as needed. For Target Spot, use at 7 day intervals as needed.
Belly Rots (<i>Rhizoctonia</i> / <i>Fusarium sp.</i>)	0.4	For Belly Rots, apply in sufficient volume to allow runoff to the soil. Will not control <i>Pythium sp.</i>
Suppression of vine decay caused by <i>Momosporus</i> <i>cannonballis</i>	0.4	For disease suppression, apply at 14 day intervals, beginning at emergence and continuing to harvest. Application weekly or biweekly, beginning 4-6 weeks prior to harvest will also offer suppression, but may be as effective as a season long.
Pre-harvest interval is 1 day. Maximum seasonal application rate is 2.4 lbs. product per acre.		

ONIONS (In Furrow)

DISEASES	LBS PRODUCT/ACRE	REMARKS
White Rot (<i>Sclerotium sp.</i>)	1.6	Spray directly into the open furrow at the time of planting seed, sets or bulbs. Not for this use through any type of irrigation system.
Maximum seasonal application rate is 1.6 lbs. product per acre.		

PEANUTS

DISEASES	LBS PRODUCT/ACRE	REMARKS
Leaf Spot (<i>Cercospora</i> spp.) Rust (<i>Puccinia</i>) Limb Rot (<i>Rhizoctonia</i>) Ascochyta Web Blotch	0.4	Begin applications 35 days after planting or when disease first appears and repeat at 14 to 21 day intervals as needed. Use the 14 day interval under severe disease pressure.
Pre-harvest interval is 14 days. Maximum seasonal application rate is 1.6 lbs. product per acre.		

PECANS

DISEASES	LBS PRODUCT/ACRE	REMARKS
Brown Spot (<i>Cercospora</i> sp.) Downy Spot (<i>Mycosphaerella</i> sp.) Powdery Mildew (<i>Microsphaera</i> sp) Scab (<i>Fusicladium</i> sp.) Stem End Blight (<i>Botryosphaeria</i> sp.) Zonate Leaf Spot (<i>Cristulariella</i> sp.)	0.4-0.8	Use the higher rate for trees over 30 feet tall and for aerial applications in Arkansas, Georgia, Louisiana, Mississippi, Oklahoma, and Texas. Begin applications when first leaves are showing and repeat at 3 to 4 week intervals until shuck split.
Do not apply after shuck split. Maximum seasonal application rate is 2.4 lbs. product per acre.		

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SOYBEANS

DISEASES	LBS PRODUCT/ACRE	REMARKS
Anthracnose (<i>Colletotrichum sp.</i>) Brown Spot (<i>Septoria sp.</i>) Frogeye Leaf Spot (<i>Cercospora sp.</i>) Pod and Stem Blight (<i>Diaporthe sp.</i> and the imperfect stage, <i>Phomopsis sp.</i>) Purple Seed Stain (<i>Cercospora sp.</i>)	0.4-0.8	Apply from full bloom to when pods are 1/8" to 1/4" in length. Make a second application 14 to 21 days later. Do not make the second application later than 14 days after pods average 1/4" in length or when beans form in the pod. Use the high rate under severe disease pressure.
Sclerotinia	0.6-0.8	Make one application at early bloom (R-1 to R-2 stage) followed by a second application 7-14 days later if conditions are favorable for continued disease pressure.
Aerial Blight (suppression)	0.8	Make initial application when disease threatens and repeat 14-21 days later if needed.
FOR SEED BEANS ONLY - For seed quality make a single application at the high rate when beans form in the pod. Use a minimum of 5 gallons by air. Do not make more than 2 applications per year. Do not graze or feed treated vines or hay to livestock.		

STRAWBERRIES

DISEASES	LBS PRODUCT/ACRE	REMARKS
Fruit Rot (<i>Botrytis sp.</i>) Leaf Blight (<i>Dendrophoma sp.</i>) Leaf Scorch (<i>Diplocarpon sp.</i>)	0.6-0.8	Begin applications at early bloom and continue at 7 to 10 day intervals. Use the higher rate East of the Rocky Mountains and under conditions of severe disease pressure.
Do not apply within 1 day of harvest.		

SUGARBEETS

DISEASES	LBS PRODUCT/ACRE	REMARKS
Leaf Spot (<i>Cercospora sp.</i>)	0.4-0.8	Begin applications when disease first appears and repeat at 14 to 21 day intervals as needed.
Pre-harvest interval is 1 day. Maximum seasonal application rate is 3.2 lbs. product per acre.		

11/m

STONE FRUITS (Pre-harvest)

CROP	DISEASES	LBS/ ACRE	REMARKS
Apricots	Brown Rot Blossom/twig Blight (<i>Monilinia</i> sp.) Brown Rot of Fruit (<i>Monilinia</i> sp)	0.8-1.2	Apply at early bloom (red bud). Make a second application at full bloom. In addition, for brown rot of fruit, apply 1 or 2 sprays starting 3 weeks before harvest. If needed under severe disease pressure, apply additional sprays at 10 to 14 day intervals between full bloom and final pre-harvest sprays.
	Pre-harvest interval is 1 day. Maximum seasonal application rate is 3.2 lbs. product per acre.		
Cherries	Brown Rot Blossom/twig Blight (<i>Monilinia</i> sp.) Brown rot of fruit (<i>Monilinia</i> sp.)	0.8-1.2	Apply at early bloom. Make a second application at full bloom. In addition, for Brown Rot of fruit, apply 1 or 2 sprays starting 3 weeks before harvest. If needed under severe disease pressure, apply additional sprays at 10-14 day intervals between full bloom and final pre-harvest sprays.
	Cherry Leaf Spot (<i>Coccomyces</i> sp.)	0.8-1.2	Apply at petal fall or before, when leaves first unfold, and at first, second and third cover at 10 to 14 day intervals and one spray 14 to 21 days after harvest.
	Powdery Mildew (<i>Podosphaera</i> sp.) and (<i>Sphaerotheca</i> sp.)	0.8-1.2 PLUS 0.8-1.2	Apply at early bloom (early popcorn). Make a second application at full bloom. PLUS Apply at shuck fall and first cover.
	Pre-harvest interval is 1 day. Maximum seasonal application rate is 3.2 lbs. product per acre.		

CROP	DISEASES	LBS/ ACRE	REMARKS
Nectarines	Brown Rot Blossom/twig Blight (<i>Monilinia</i> sp.) Brown Rot of Fruit (<i>Monilinia</i> sp.)	0.8-1.2	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development. In addition, for Brown Rot of Fruit, apply 1 or 2 sprays starting 3 weeks before harvest. If needed under severe disease pressure, apply additional sprays at 10 to 14 day intervals between full bloom and final pre-harvest sprays.
	Pre-harvest interval is 1 day. Maximum seasonal application rate is 3.2 lbs. product per acre.		
Peaches	Brown Rot Blossom/twig Blight (<i>Monilinia</i> sp.) Brown Rot of Fruit (<i>Monilinia</i> sp.)	0.8-1.2	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development. In addition, for Brown Rot of Fruit, apply 1 or 2 sprays starting 3 weeks before harvest. If needed under severe disease pressure, apply additional sprays at 10 to 14 day intervals between full bloom and final pre-harvest sprays.
	Peach Scab (<i>Cladosporium</i> sp.)	0.8-1.2 PLUS 0.8-1.2	Apply at early bloom (pink bud). Make a second application at full bloom if conditions favor disease development. PLUS Apply at shuck split and at first cover sprays.
	Pre-harvest interval is 1 day. Maximum seasonal application rate is 3.2 lbs. product per acre.		
Plums/ Prunes	Brown Rot Blossom/twig Blight (<i>Monilinia</i> sp.) Brown Rot of Fruit (<i>Monilinia</i> sp.)	0.8-1.2	Apply at early bloom (green tip). Make a second application at full bloom. In addition, for Brown Rot of Fruit, apply 1 or 2 sprays starting 3 weeks before harvest. If needed under severe disease pressure, apply additional sprays at 10 to 14 day intervals between full bloom and final pre-harvest sprays.

CROP	DISEASES	LBS/ ACRE	REMARKS
	Black Knot (<i>Dibotryon sp.</i>)	0.8-1.2	Apply at pre-bloom, petal fall, and at first, second, and third cover sprays at 10 to 14 day intervals.
	Leaf Spot (<i>Coccomyces sp.</i>)	0.8-1.2	Apply at petal fall, shuck, and at first, second and third cover sprays at 10 to 14 day intervals and 1 spray 14 to 21 days after harvest.
	Pre-harvest interval is 1 day. Maximum seasonal application rate is 3.2 lbs. product per acre.		

SUGAR CANE (Hawaii ONLY)

DISEASE	LBS/100 GALLONS WATER	REMARKS
Pineapple disease (<i>Ceratocystis</i>)	0.4	Apply to cut seed pieces as cold or hot dip: COLD DIP: Immerse seed pieces to achieve thorough coverage; remove and allow to drain.
	0.2	HOT DIP: Maintain temperature of 52 C and soak seed pieces for 20 minutes; remove and allow to drain.
Do not use treated seed pieces for food, feed or fodder. Do not graze or feed treated forage to livestock. NOTE: Dilute sprays are not to exceed maximum rate per acre.		

FALL-SEEDED WHEAT IN IDAHO, OREGON AND WASHINGTON ONLY

DISEASES	LBS PRODUCT/ACRE	REMARKS
<i>Pseudocercospora</i> sp. (Foot Rot, Strawbreaker, Eye Spot)	0.8	Apply THIOPHANATE METHYL 85 EG at the rate indicated in a single application by air or ground after wheat is tillered but before stem elongation has begun. Use Sufficient water to obtain thorough coverage.
Pre-harvest interval is 1 day. Maximum seasonal application rate is 3.2 lbs. product per acre.		

FORESTRY

CROP	DISEASE	LBS/ ACRE	LBS/100 GAL	REMARK
Conifers (Pine) Austrian Red Scots Christmas Trees	Tip Blight (<i>Diplodia</i>)	40 oz. (2.5 lb.)	13 oz/A 100 gal./A	Apply at bud break. Repeat 10 to 14 days later, just before needles emerge from sheath; repeat again 10 to 14 days after needle emergence.
(Fir) Douglas	Swiss Needle Cast (<i>Phaenocarpa</i>) Rhabdocline Needle Cast	64 oz. (4lb.)	13 oz./A 100 gal./A	Apply initially in early May. Repeat at 4 week intervals. Add a spreader/sticker to improve coverage. Use minimum gallonage with mist-blower types of sprayers and higher gallonage with conventional sprayers.
Do not graze livestock in treated areas.				
Conifers (seedling treatment) Longleaf	Brown Needle Blight (<i>Scirrhia</i>)		0.8 oz./9.5 oz. Dry Kaolin clay for seedling roots	Wet seedling roots in clean water, then apply Thiophanate Methyl 85 EG /Kaolinite mixture to wet roots.
Loblolly Longleaf Slash	Fusarium and Rhizoctonia Root Rot		1.6 oz./50 oz. Kaolin clay, plus enough water to make a slurry	Thoroughly cover seedling roots with Thiophanate Methyl 85 EG/Kaolinite slurry.
Do not apply mixture to seedling foliage. During treatment, avoid excessive drying of roots or exposure to temperatures greater than 90°F or less than 32°F. Thiophanate Methyl 85 EG does not control Pythium or Phytophthora.				

CHEMIGATION

(NOT FOR REGISTERED FOR THIS USE IN CALIFORNIA)

GENERAL INSTRUCTIONS

Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move, or drip (mini-micro sprinklers, strip tubing, trickle) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Do not connect chemigation system to any public water system.

Public water system means a system for the provision of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

SYSTEM REQUIREMENTS

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION

Observe the requirements in the System Requirements section above.

Apply THIOPHANATE METHYL 85 EG only through systems containing anti-siphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to insure simultaneous shut-off.

Maintain a gentle continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.

Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well/pivot/injection unit to prevent spray being applied to this area.

Where sprinkler patterns do not overlap sufficiently, unacceptable disease control may result.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

THIOPHANATE METHYL 85 EG may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, resulting in reduced performance and should be avoided.

Check local restrictions and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

SPRAY PREPARATION

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water. Prepare a suspension of THIOPHANATE METHYL 85 EG in a mix tank. Fill the tank with 1/2 or 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of THIOPHANATE METHYL 85 EG and then the remaining volume of water.

APPLICATION INSTRUCTIONS

Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy. Start sprinkler and then uniformly inject the suspension of

THIOPHANATE METHYL 85 EG into the irrigation water line so as to deliver the desired rate per acre. The suspension of THIOPHANATE METHYL 85 EG should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

NOTE: When treatment with THIOPHANATE METHYL 85 EG has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

CONDITIONS OF SALE AND WARRANTY:

Micro Flo Co. warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for

Use, subject to the risks referred to therein. MICRO FLO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL MICRO FLO OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS; LABOR COST, OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

Micro Flo and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of Micro Flo.