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AUG 4 - 1995

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

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17

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dear Mr. Gaskins:

Subject: Deletion of Apples, Bermuda Grass, Cherries, Cucumbers, Grapes, Melons, Ornamentals (Greenhouse & Outdoor), Pears, Summer Squash, Turf, and Walnuts
EPA Registration No. 51036-89
Your Application and Labeling Dated August 23, 1994, As Corrected September 13, 1994

The labeling referred to above, submitted in connection with registration under FIFRA, is acceptable, provided that you:

Submit one copy of your final printed labeling incorporating the following corrections before you release the product for shipment. These corrections are needed to maintain consistency with the particular citrus use pattern being supported by the basic registrants. Product labels deviating from this supported use pattern will be subject to the additional data requirements needed to support such deviations.

A copy of the basic producers' registered label for the use of ethion on citrus is enclosed for your reference.

1. Revise the statement " If a summer oil is used in spray mixture, consult the oil label for recommended rates" to read: "If a summer oil is used in spray mixture; consult the oil label for use directions and precautions."

2. Specify the use rate for spray oil as 0.5 to 0.7 percent of the finished spray. Any substantial increase above this percent of summer oil in the finished spray may result in the need for additional field trial data reflecting aerial applications.

3. Correct the PHI for tangelos and tangerines from 0 to 15 days.

4. Delete the reference to use of 50 gallons of diluent and replace it with directions to apply not less than 250 gallons of



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10/9

water per acre for ground application and a minimum of 10 gallons of water per acre for aerial application. Accordingly, the general directions for use must also be revised to reflect these minimum spray volumes.

5. Add a statement limiting the maximum application to no more than 9 pounds of active ingredient per acre per year.

6. Your label includes a restriction regarding the use of the product on limes. However, your label does not list this crop in the heading of the directions for use. Either delete the reference to this crop in the restriction statement or add it to the listing of crops. If this crop is to be added, a PHI of 15 days must be specified.

7. Correct the restricted reentry interval (REI) for citrus from 24 hours to 48 hours as it appeared on your labeling accepted April 12, 1993.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of this condition.

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

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)

ETHION 4EC

Miticide-Insecticide For Agricultural or Commercial Use Only

ACTIVE INGREDIENT:

Ethion (0,0,0'-0'-tetraethyl S.S'-methylene bisphosphorodithioate 46.5%

INERT INGREDIENTS:* 53.5%

TOTAL 100.0%

*Contains petroleum distillate 4 Pounds Ethion 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 or poison control center. Drink 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 person.

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 with plenty of soap and water. Get medical attention.

This product is an organophosphorus ester that inhibits cholinesterase.

NOTE TO PHYSICIAN: Active ingredient is a cholinesterase inhibitor. Patient should be kept under observation for 48 hours. Atropine is antidotal. Give 4 mg. Atropine sulfate intramuscularly or intravenously as soon as cyanosis is overcome. Repeat every 15 minutes until patient is fully atropinized. Pralidoxime (2-PAM) is also antidotal and should be administered in conjunction with Atropine. Never give morphine.

See additional Precautionary Statements Elsewhere on label

EPA Reg. No. 51036-89

EPA Est. No. 51036-GA-1

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

ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 4 1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act
as amended, this product is registered under EPA Reg. No. 51036-89

51036-89

31

PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals

WARNING

May be fatal if swallowed or absorbed through skin. May cause eye injury. Do not get in eyes, on skin, or on clothing. Avoid breathing 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 G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure
6. Chemical resistant apron when cleaning equipment, mixing, or loading
7. For exposure in enclosed areas, use a respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

For exposure outdoors, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

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 separately from other laundry.

Engineering Control:

Human flaggers must be in enclosed cabs. The closed system or enclosed cabs must be used 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

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, and aquatic invertebrates. Fish and aquatic invertebrates may be killed in areas where this pesticide is used. 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 contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

CHEMIGATION PROHIBITION

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

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 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.

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 over short-sleeved shirt and short pants
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not use or store near heat, open flame or hot surfaces. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

IN CASE OF SPILL, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.

TO CONFINE SPILL: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

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 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 procedures approved by state and local authorities. Do not cut or weld metal containers.

RECOMMENDATIONS

Do not use in undiluted form. Do not use if material does not emulsify.

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. Use in sufficient water for thorough coverage, unless otherwise noted for listed crops. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides. When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Where more than 2 quarts are recommended, mix with sufficient water to provide a minimum of finished spray equal to twice the amount of Ethion.

Observe days interval between last application and harvest indicated by number in () following the crop.

APPLES:—

~~Apple Aphid, European Red Mite, Rosy Apple Aphid, San Jose, Scale
—Use 0.6 pt. plus 2 gals. dormant oil per 100 gals. water. Apply
during dormant or delayed dormant period. ("Superior" type oil of
60 to 70 second viscosity preferred for delayed dormant use.)—~~

179

~~BERMUDA GRASS (Lawns and Seed Crop):~~

~~Eriophyid Mites — 1 tablespoon per gallon of water to cover 200 sq. ft. of lawn or use 3 fluid ozs. per 6 gallons of water per 1200 sq. ft. Apply as needed to maintain effective control. Keep children and animals off treated areas until the spray has completely dried. Do not apply to Bermuda grass to be used for grazing or forage to be fed to livestock.~~

~~CHERRIES:~~

~~Black Cherry Aphid, San Jose Scale — 0.5 to .75 pt. plus 2 gals. dormant oil per 100 gals. water. Apply during dormant or delayed dormant period. ("Superior" type oil of 60 to 70 second viscosity preferred for delayed dormant use).~~

~~CUCUMBERS (0), SUMMER SQUASH (0):~~

~~Serpentine Leafminer, Twospotted Spider Mite — 1 pint per acre.~~

~~GRAPEFRUIT(0), LEMONS (21), ORANGES (0), TANGELOS (0), TANGERINES (0): (For use in Florida and Texas only)~~

~~To control Citrus Red Mite, Citrus Rust Mite, Sixspotted Mite, Texas Citrus Mite, Black Scale, Brown Soft Scale, California Red Scale, Chaff Scale, Florida Red Scale, Glover Scale, Purple Scale, Snow Scale, Yellow Scale, Citrus Whitefly. Mites - Apply 4 to 6 pints per acre in a minimum of 50 gallons of diluent to insure thorough coverage of foliage. Use the higher rate on groves that have mature trees with more foliage to cover. If a summer oil is used in spray mixture, consult the oil label for recommended rates. Where Snow Scale is a problem, spray trunk, limbs and twigs thoroughly. For Whitefly, apply shortly after Whiteflies have laid their eggs. Do not apply more than once on Lemons and Limes; on other citrus crops listed, do not apply within 90 days of previous application. On Tangerines, do not apply more than twice per crop. Do not apply oil within 3 weeks of a sulfur application. Do not oil use on Naval oranges.~~

~~GRAPES (California only) (30):~~

~~To control Grape Leafhopper, Twospotted Spider Mite, Willamette Mite — Use 1.5 to 2.5 pints per acre. Do not apply more than twice during fruiting period.~~

~~NOTE: REI for grapes is 14 days.~~

~~MELONS (0):~~

~~Melon, Leafminer, Serpentine Leafminer, Twospotted Spider Mite — 1 pt. per acre.~~

~~Melon Leafhopper — 1.5 to 2 pts. per acre.~~

~~Petrobia Mite (California only), Cucumber Beetle — 1 to 2 pts. in a minimum of 10 gals. water per acre.~~

~~ORNAMENTALS (Greenhouse) Soil Treatment:~~

~~Millipedes — Use 10 fl. ozs. in 75 gals. of water and apply to 2,500 sq. ft of bench space. Wear mask or respirator approved by~~

119

~~the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II for Ethion protection.~~

~~ORNAMENTALS (Outdoors):~~

~~Twospotted Spider Mite — Use 0.5 pint per 100 gals. May cause some needle drop on Anderson Yew.~~

~~PEARS:~~

~~Clover (Brown Almond) Mite, European Red Mite, San Jose Scale — .75 pt. plus 1 to 2 gals. dormant oil per 100 gals. water. Apply during dormant or delayed dormant period. ("Superior" type oil of 60 to 708 second viscosity preferred for delayed dormant use).~~

~~TURF: (Commercial Use)~~

~~Chinch Bugs, Sod Webworm — Use 0.33 to 0.5 pint per 1000 sq. ft. of turf applied in 20 gallons of water or 1.67 to 2.5 pints in 100 gallons of water to treat 5000 sq. ft. To treat one acre, use 1.75 to 2.5 gallons applied in 800 gallons of water. It is important that the spray penetrate through the mat of turf to reach the insects. It helps to have the turf well irrigated prior to treatment.~~

~~NOTE: Keep children and animals off treated areas until this material has been thoroughly watered into soil and the grass has completely dried.~~

~~WALNUTS (Dormant or Delayed Dormant):~~

~~Overwintering eggs of European Red Mite, Brown Mite, San Jose Scale and Soft Scale (West Coast only): Use 4 pints per acre with 2 gallons of a dormant oil in a minimum of 100 gallons of water. This treatment should only be used on trees that have not suffered from lack of moisture at anytime during the growing season. Oil should be applied to orchards when soil moisture is low. Do not graze livestock in treated groves.~~

~~SUMMER:~~

~~European Red Mite, Twospotted Spider Mite, Walnut Aphid, and Walnut Husk Fly (California only) — Use 5 pints per acre. Do not make more than 2 applications during the fruiting period. Do not apply after husks split. Do not graze livestock in treated groves.~~

CONDITIONS OF SALE

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

G.F. 1

BEYOND THE CONTROL OF MICRO FLO. IN NO CASE SHALL 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.

Read all directions carefully.