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51036 90

Yellow

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

AUG 4 - 1995

5473246 $\frac{336}{17}$

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, Cucumbers, Grapes, Melons,
Ornamentals (Greenhouse), Pears, Summer Squash, Turf,
and walnuts
EPA Registration No. 51036-90
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. With the exception of item 8, 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. Since the use of ethion on the specified citrus crops is
being supported for Florida and Texas only, all reference to use
of the product in other areas; i.e. California, Arizona and the
West Coast must be deleted.

2. Delete the statement " or same rate combined with 1 to 2
gallons summer oil for West Coast." Specify the use rate for
spray oil as a percent of the finished spray. Any substantial
increase above the specified 0.5 to 0.7 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 to 100 gallons of
spray and replace it with directions to apply not less than 250



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

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gallons of 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. Lower the maximum single application rate to no more than 3.0 pounds of active ingredient per acre.

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

7. Correct the restricted reentry interval (REI) for citrus from 24 hours to 48 hours.

8. The skull and cross bones must appear on the front panel in immediate proximity to the word POISON.

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)

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RESTRICTED USE PESTICIDE
Due To Dermal and Inhalation Toxicity. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification

ETHION 8 EC
Insecticide - Miticide

ACTIVE INGREDIENT:

Ethion (0,0,0',0',-tetraethyl S,S'-methylene bisphosphorodithioate 81.9%

INERT INGREDIENTS: 18.1%

TOTAL 100.0%

Contains 8 Pounds Ethion Per Gallon

KEEP OUT OF CHILDREN

POISON

DANGER

PELIGRO

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 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Never give anything by mouth to an unconscious person. Get medical attention. If breathing has stopped, start artificial respiration immediately and maintain until a doctor sees victim.

IF IN EYES: Flush with water for 15 minutes and get immediate medical attention.

IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention.

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

This product is an organophosphorus ester that inhibits cholinesterase.

NOTE TO PHYSICIAN: 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. 2-PAM is also antidotal and may be administered in conjunction with atropine.

See Elsewhere On Label For Additional Precautionary Statements

EPA Reg. No. 51036-90

EPA Est. No. 51036-GA-1

AD 100193

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, for the pesticide registered under EPA Reg. No.

51036-90

PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals

DANGER

Fatal if swallowed, inhaled or absorbed through skin. Do not breathe vapor or spray mist. Do not get in eyes, on skin or on clothing.

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 F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

1. Coveralls over long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber 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 outdoor exposure, 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.

Human flaggers must be in enclosed cabs. The 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 product is toxic to fish and wildlife. 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 by cleaning of equipment or disposal of wastes and containers. Shrimp and crab may be killed at application rates recommended on this label. Do not apply when these are important resources. Do not apply when weather conditions favor drift from the areas treated. Do not apply where run-off is likely to occur. Apply this product only as specified on this label. This product is toxic to bees and should not be applied when bees are actively visiting the 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 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 long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or butyl, rubber or nitrile rubber or viton
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure

CHEMIGATION PROHIBITION

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

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STORAGE AND DISPOSAL PESTICIDE STORAGE:

Do not store below 0 degrees F, (-18 degrees C). 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 acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse 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.

GENERAL DIRECTIONS

NOT FOR USE OR STORAGE IN OR AROUND THE HOME.

DO NOT USE IF MATERIAL DOES 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 with dilute or concentrate sprayers, 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 8 used. Do not use in undiluted form.

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

~~APPLES (Dormant or Delayed Dormant):~~

~~Apple Aphid, European Red Mite, Rosy Apple Aphid, San Jose Scale—
4.8 fluid ounces plus 2 gallons dormant oil per 100 gallons water.
(Superior type oil of 60 to 70 second viscosity preferred for
delayed dormant use).~~

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~~Summer: Brown Mite, European Red Mite, Twospotted Spider Mite—~~
~~Use 1/4 pint per 100 gallons of water (maximum of 2 1/2 pints per~~
~~acre). Apply during the fruiting period. If making no more than~~
~~4 applications, wait 40 days before harvest; if making no more than~~
~~3 applications, wait 30 days before harvest; if making no more than~~
~~2 applications, wait 20 days before harvest.—~~

~~Codling Moth—Use 1/2 pint per 100 gallons of water (maximum of 5~~
~~pints per acre). If making no more than 4 applications, wait 60~~
~~days before harvest; if making no more than 2 applications, wait 40~~
~~days before harvest. Apply at petal fall and every 10 to 14 days~~
~~thereafter until control is achieved. Do not use Ethion on~~
~~Astrachen, Pratt, Melba, N.J. No. 3 (Brite Mae), Wealthy, Williams~~
~~Red (Red Williams), Yellow Transparent or any variety maturing with~~
~~or before Early McIntish as injury is likely to occur.—~~

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

~~Serpentine Leafminer, Twospotted Spider Mite—8 fluid ounces per~~
~~acre.—~~

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

~~Citrus Red Mite, Citrus Rust Mite, Sixspotted Mite, Scales (Black,~~
~~Brown Soft, California Red, Purple, Yellow Chaff, Glover), and~~
~~Citrus Whitefly. For Mites - Use 2 to 6 pints per acre in~~
~~sufficient water for thorough coverage. Use the higher rate for~~
~~large trees or when infestations are severe. For Mites, Scales and~~
~~Citrus Whitefly - Use 5 to 7.5 pints per acre in sufficient water~~
~~for thorough coverage combined with 0.5 to 0.7% summer oil (Florida~~
~~and Texas area) or same rate combined with 1 to 2 gallons summer~~
~~oil for West Coast. For Whitefly, apply shortly after eggs have~~
~~been laid. Do not apply more than 2000 gallons spray per acre.~~
~~With concentrate sprayers apply 50 to 100 gallons of spray per~~
~~acre.~~

~~Citrus thrips, California and Arizona only: Use 2 1/2 to 3 pints~~
~~per acre. Apply when Thrips first appear and before they exceed 2~~
~~to 3 thrips per leaf. Do not apply more than once per season on~~
~~lemons. On grapefruit, oranges, tangelos and tangerines do not~~
~~apply within 90 days of previous application. On tangerines do not~~
~~apply more than twice per season. Do not apply oil within 3 weeks~~
~~of a sulfur application.~~

~~GRAPES (30):—~~

~~Grape Leafhopper, Twospotted Spider Mite, Willamette Mite (West~~
~~Coast insects) Use 1 to 2 1/4 pints per acre. When used at rates~~
~~of 1 1/4 pints per acre or less, do not apply within 30 days of~~
~~harvest or more than twice during the fruiting period; or do not~~
~~apply within 60 days of harvest with no limit on the number of~~
~~applications per season. At rates above 1 1/4 pints per acre, make~~
~~only 1 application per season. Do not apply to Salvador, Museat or~~
~~Fehr-Szago varieties of grapes.—~~

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~~MELONS (0):~~

~~Melon Leafminer, Serpentine Leafminer, Twospotted Spider Mite — Use 1/2 pint per acre.~~

~~Melon Leafhopper — Use 3/4 to 1 pint per acre in a minimum of 5 gallons of water per acre by ground.~~

~~Petrobia Mite (California only) — Use 1/2 to 1 pint in a minimum of 10 gallons of water per acre.~~

~~ORNAMENTALS (Greenhouse):~~

~~Millipedes — Soil Treatment: Use 5 fluid ounces in 75 gallons of water and apply to 2,500 square feet of bench space wear mask or respirator approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health for Ethion protection.~~

~~(Outdoors): Twospotted Spider Mite — Use 4 fluid ounces per 100 gallons of water. May cause some needle drop on Anderson Yew.~~

~~PEARS (Dormant or Delayed Dormant):~~

~~Brown Mite, European Red Mite, San Jose Scale — 6 fluid ounces plus 1 to 2 gallons dormant oil per 100 gallons water.~~

~~Summer: Brown Mite, European Red Mite, Twospotted Spider Mites — Use 1/4 to 1/3 pint per 100 gallons of water (maximum of 2 1/2 pints per acre). Do not make more than 3 applications after the first cover spray nor apply within 30 days of harvest; or do not make more than 2 applications after the first cover spray nor apply within 20 days of harvest.~~

~~Pear Psylla — Use 1/3 to 1/2 pint per 100 gallons of water. (Maximum of 5 pints per acre). Apply just before bloom if insects are present. Repeat 30 days later if necessary. Do not make more than 3 applications after the first cover spray nor apply within 60 days of harvest.~~

~~TURF (Commercial Use):~~

~~Chinch Bugs, Sod Webworm — Use 1/4 pint per 1000 square feet of turf applied in 20 gallons of water or 1 1/4 pints in 100 gallons of water to treat 5000 square feet. To treat one acre, use 7 to 9 pints applied in 800 gallons of water. It is important that the spray penetrates through the mat of turf to reach the insects. It helps to have the turf well irrigated prior to treatment.~~

~~CAUTION: Keep children and animals off treated areas until this material has been thoroughly watered into the soil and the turf 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 2 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 any time during the growing season. Oil should not be applied to orchards when soil moisture is low. Do not graze livestock in treated groves.~~

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~~Summer: European Red Mite, Twospotted Spider Mite, Walnut Aphid, and Walnut Husk Fly (California only) Use 2 1/2 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 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.