

PM 14

51036-198

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FEB 03 1997

Lee Tharrington
Micro Flo Company
P.O. Box 5948
Lakeland, Florida 33807

Dear Mr. Tharrington:

Subject: Labeling Amendment
Cymate 267
EPA Reg. No. 51036-198
Your submission dated 4 October 1996

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, has been received and reviewed, and the labeling is acceptable subject to the comment listed below. Please submit five (5) copies of your final printed labeling incorporating these changes prior to releasing your product for shipment. A stamped copy is enclosed for your records.

Update the statement "Do not contaminate water...wastes" under "Environmental Hazards" to read "Do not contaminate water when disposing of equipment washwaters".

Sincerely,



William Jacobs
Acting Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure cole.2.3.97.7505C

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REC'D ERM/DPD/DPDI

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CYMATE 267
ORGANOPHOSPHATE

ACTIVE INGREDIENT: Dimethoate (O,O-dimethyl S-(N-methyl-carbamoylmethyl) phosphorodithioate) 90.5%
INERT INGREDIENTS: 69.5%
TOTAL 100.0%

ACCEPTED
with COMMENTS
in EPA Letter 10/10/88

Contains xylene-range aromatic solvent:

Contains 2.67 lbs. Dimethoate 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

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.
IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention.
IF IN EYES: Flush with plenty of water. Get medical attention.
IF ON SKIN: Wash off with soap and water. Get medical attention.

This product is an organophosphorus ester that inhibits cholinesterase.

See Additional Precautionary Statements On Label

EPA Reg. No. 51036-198

EPA Est. No. 51036-GA-1

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

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PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

WARNING

May be fatal if swallowed. May cause eye injury. Harmful if absorbed through skin. Harmful if inhaled. May cause irritation of the nose and throat. Do not get into eyes. Avoid breathing the vapor or spray mist. Keep away from domestic animals and foodstuffs. Do not contaminate or apply onto feed or foodstuffs.

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

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 (except mixers and loaders) must wear:

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

Mixers and loaders must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Shoes plus socks
4. Protective eyewear
5. Chemical-resistant headgear
6. 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.

Engineering Control:

Human flaggers must be in enclosed cabs. When handlers use closed systems, enclosed cabs, or aircraft 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 wildlife and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or 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 of equipment, or disposal of wastes. This product 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or flame.

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.

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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 48 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, such as barrier laminate or viton
3. Shoes plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children, pets and other unprotected persons out of treated areas until sprays have dried.

CHEMIGATION PROHIBITION

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

STORAGE AND DISPOSAL

PROHIBITIONS: 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.

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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.

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 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS

Not for use or storage in or around the home.

Do not use this product for any other uses than those specified on this label. This product is intended for use by the commercial grower or commercial applicator in conventional hydraulic sprayers, ground applicators or airplane sprayers.

GROUND APPLICATION: Use recommended amount in sufficient water for thorough coverage.

AIR APPLICATION: Use recommended amount in 2 to 10 gallons of water, unless otherwise specified. Repeat applications as necessary unless otherwise specified.

Consult your State Experiment Station or State Extension Service for proper timing of applications.

FRUIT

APPLES: Apple Maggot*, Codling Moth**, Aphids, Leafhoppers, Mites (except Rust Mites) - 3/4 to 1 1/2 pints per 100 gallons of water. For concentrate (mist) application, apply 3 to 6 pints per acre in sufficient water to provide full coverage of foliage. Do not apply within 28 days of harvest.

Do not apply when trees or substantial numbers of weeds in the orchard are in bloom.

Do not graze livestock in treated areas.

*Under heavy infestations, some sting injury may occur.

**Midwest and eastern states only.

LEMONS, ORANGES, GRAPEFRUIT, TANGERINES:

Aphids, Mites (except Rust Mites), Thrips, Whiteflies - ground application - 3/4 to 1 1/2 pints per 100 gallons of water. Apply as a thorough coverage spray. For concentrate (mist) application, apply 3 to 6 pints per acre in sufficient water to provide full coverage of foliage. For aerial application, apply 3 to 6 pints

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per acre in 5 to 10 gallons of water.

Scales (except black or snow) - Ground application - 1 1/2 to 2 1/4 pints per 100 gallons of water. Apply as a thorough distribution coverage spray. For concentrate (mist) application, apply 3 to 6 pints per acre in sufficient water to provide full coverage of foliage. For aerial application, apply 3 to 6 pints per acre in 5 to 10 gallons of water.

NOTE: When applying higher rates for scale control, the pre-harvest interval is 45 days.

Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not apply to citrus within 15 days of harvest. Do not apply when trees or substantial numbers of weeds in the orchard are in bloom. Do not graze livestock in treated areas.

PEARS: Aphids, Leafhoppers, Pear Psylla, Mites (except Rust Mites) - 3/4 to 1 1/2 pints per 100 gallons of water. For concentrate (mist) application, apply 3 to 6 pints per acre in sufficient water to provide full coverage of foliage. For aerial application, apply 3 to 6 pints per acre in 5 to 10 gallons of water. Do not apply within 28 days of harvest.

Do not apply when trees or substantial numbers of weeds in the orchard are in bloom.

Do not graze livestock in treated areas.

VEGETABLE CROPS

BEANS (green, lima, snap, dry):

Aphids, Leafhoppers, Leaf Miners, Mites, Lygus Bugs, Bean Leaf Beetle, Mexican Bean Beetle, Grasshoppers: - 3/4 to 1 1/2 pints per acre.

Do not apply within 1 day of harvest. Do not feed treated vines. This pesticide is highly toxic to bees; do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.

BROCCOLI, CAULIFLOWER:

Aphids - 3/4 to 1 1/2 pints per acre. Do not apply within 7 days of harvest.

CABBAGE:

Aphids - 3/4 to 1 1/2 pints per acre. Do not apply within 3 days of harvest. Do not apply within 7 days of harvest in California.

HEAD LETTUCE, LEAF LETTUCE, SPINACH, COLLARDS, KALE, TURNIP (greens and roots), MUSTARD GREENS, SWISS CHARD, ENDIVE (escarole): Aphids, Leafhopper, Leaf Miners - 3/4 pint per acre. Do not apply within 14 days of harvest, except head lettuce, do not apply within 7 days of harvest.

MELONS (except Watermelons):

Aphids, Leafhoppers, Leaf Miners, Thrips - 1 1/2 pints per acre. Do not apply within 3 days of harvest.

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WATERMELONS:

Aphids, Leaf Miners, Leafhoppers - $3/4$ to $1\ 1/2$ pints per acre. Do not apply to melons within 3 days of harvest.

LUPINE (except California)

Aphids, Lygus bugs - $3/4$ to $1\ 1/2$ pints per acre. Apply when aphids first appear. Make only 2 applications per season. Do not apply within 1 day of harvest. Do not feed or graze forage or hay. Do not apply if crop or weeds in the treatment area are in bloom.

PEAS, LENTILS:

Aphids - $1/2$ pint per acre. Peas may be harvested on day of application. Do not feed or graze hay within 21 days after last application when a stationary viner is being used. Do not feed or graze when a mobile viner is used. Make only one application per season.

This pesticide is highly toxic to bees; do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom. Not for use on Lentils in California.

PEPPERS:

Aphids, Leaf Miners, Maggots - $3/4$ to 1 pint per acre. Do not apply within 1 day of harvest.

POTATOES:

Aphids, Grasshoppers, Leaf Miners, Leafhoppers, - $3/4$ to $1\ 1/2$ pints per acre. Do not apply to potatoes within 1 day of harvest.

TOMATOES:

Aphids, Grasshoppers, Leaf Miners, Leafhoppers, - $3/4$ to $1\ 1/2$ pints per acre. Do not apply to tomatoes within 7 days of harvest.

NUTS

PECANS:

Aphids, Mites, Leafhoppers - 1 pint per acre by ground equipment or by aerial equipment. If applied by air, a minimum of 5 gallons of finished spray must be used. Do not apply within 21 days of harvest. Do not graze livestock in treated groves.

FIELD CROPS

ALFALFA (grown for Hay and Seed crops):

Aphids, Leafhoppers, Lygus Bugs, Grasshoppers, Reduction of Alfalfa Weevil larvae - $3/4$ to $1\ 1/2$ pints per acre. Do not apply to alfalfa during bloom period.

Hay - Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on cutting to which applied.

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Seed Crop - Do not feed or graze livestock in treated crops, hay, stubble or threshings within 10 days of application. This pesticide is highly toxic to bees; do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.

COTTON:

Aphids, Fleahoppers, Mites, Thrips - $1/3$ to $1\frac{1}{2}$ pints per acre. Lygus bugs - $1\frac{1}{2}$ pints per acre. Lygus bugs, Leafhoppers and Black Fleahoppers in California and Arizona - $3/4$ to $1\frac{1}{2}$ pints per acre. Make only two applications per season at the higher rate.

Fleahoppers in Oklahoma and Texas - $1/3$ to $2/3$ pint per acre. Do not apply to cotton within 14 days of harvest. Do not repeat applications within 14 days. Do not feed treated forage or graze livestock on treated fields.

FIELD CORN:

Banks Grass Mites (excluding Trans Pecos area of Texas), Aphids, Bean Beetles, Corn Rootworm Adult - $2/3$ to 1 pint per acre. Apply as necessary. Make no more than three applications per year. Do not apply within 14 days of harvest. Do not feed or graze within 14 days of last application. Do not apply to corn during the pollen-shed period.

Grasshoppers: 1 pint per acre.

SAFFLOWER (grown in California and Arizona):

Aphids, Leafhoppers, Lygus bugs, Thrips - $3/4$ to $1\frac{1}{2}$ pints per acre. Do not apply within 14 days of harvest. Do not repeat applications within 14 days. Make only 2 applications per season at the higher rate.

SORGHUM (milo):

Aphids - Moderate to heavy infestations - $3/4$ to $1\frac{1}{2}$ pints per acre. Light infestations on young sorghum prior to head formation - $1/3$ to $2/3$ pints per acre. Banks Grass Mites (excluding Trans-Pecos area of Texas) - $1\frac{1}{2}$ pints per acre. Grasshoppers - $1\frac{1}{2}$ pints per acre. Sorghum midge - $1/3$ to $3/4$ pint per acre. Do not feed or graze within 28 days of last application. Make only three applications per season as needed. Do not apply after head formation.

SOYBEANS:

Mexican Bean Beetle, Spider Mites, Bean Leaf Beetle, Grasshoppers, Leafhoppers, Three-cornered Alfalfa Hopper: Apply $1\frac{3}{8}$ pint per acre. Do not apply within 21 days of harvest. Do not feed or graze within 5 days of last application.

WHEAT:

Aphids (Greenbugs), Wheat Midge - $3/4$ to 1 pint per acre.

Brown Wheat Mite - $1/3$ to $2/3$ pint per acre.

Grasshoppers - $1\frac{1}{8}$ pints per acre.

Do not apply to wheat within 14 days of grazing immature plant. Do

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not harvest grain within 35 60 days (60 days in California) of last application. Make no more than 2 applications per season.

OUTDOOR ORNAMENTAL PLANTS
(GROUND APPLICATION ONLY)
(Not for Use on Ornamentals in California)

Cymate 267 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, root 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 Teaspoonsful per gallon of water.

CAMELLIAS:

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

ROSES:

Leafhoppers and Thrips - 2 Teaspoonsful 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 Tablespoonsful per gallon of water per plant.

BIRCH:

Aphids and Leafminers - 1 Teaspoonsful per gallon of water. For leafminers, apply when leaves are expanded and repeat in 6 weeks.

BOXWOOD:

Leafminers, Mealy Bugs and Mites - 2 Teaspoonsful 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 Teaspoonsful per gallon of water.

HEMLOCKS:

Mites and Scales - 2 Teaspoonsful per gallon of water.

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EUONYMUS:

Aphids and Scales - 2 Teaspoonsful per gallon of water.

PINE AND JUNIPER:

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

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.

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