

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

September 1, 2005

Ms. Jean Butler  
Micro Flo Company, LLC  
P.O. Box 772099  
Memphis, TN 38117-2099

Dear Ms. Butler:

Subject: Revised Labeling for EPA Reg. No. 51036-192  
Micro Flo Dimethoate 267EC  
Use Deletions of Dimethoate as Requested by the Agency  
Your Submission Dated March 3, 2005

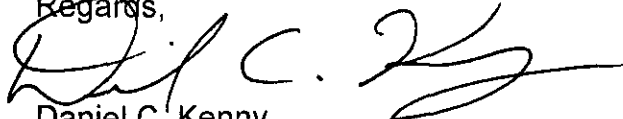
The label for the product referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following changes to the label:

1. In accordance with the Label Review Manual, since your product contains  $\geq 10\%$  petroleum distillate, revise the First Aid table as follows:
  - a. Change the second "If Swallowed" statement from "Have person sip a glass of water if able to swallow" to "Do not give any liquid to the person."
  - b. Add the following statement in the "Note to Physician" section:  
"Contains petroleum distillate. Vomiting may cause aspiration pneumonia."
2. Under the Precautionary Statements section, delete the statement, "In case of contact, flush with plenty of water for at least 15 minutes. Get medical attention." This statement is already addressed in the First Aid table.
3. Since the product label only has uses subject to the Worker Protection Standard (WPS), delete the "Non-Agricultural Use Requirements" box.
4. The Agency recommends that the Storage and Disposal statements be moved immediately after the last Directions for Use statement and before the Warranty Disclaimer.
5. Under "Seed Crops", add the statement, "Do not use on seed onions, seed carrots, or seed bermuda grass."

6. Under the Outdoor Ornamental Plants section, add the following prohibition statement, "Do not use on ornamental plants growing in greenhouses, Christmas tree and conifer plantations, landscapes, interiorscapes and residential, public, recreational, commercial, industrial and institutional establishments".

A stamped copy of the label is enclosed for your records. Submit two copies of your final printed labeling before you release the product for shipment. If you have any questions, please contact Ann Hanger at (703) 306-0395 or [hanger.ann@epa.gov](mailto:hanger.ann@epa.gov).

Regards,



Daniel C. Kenny  
Product Manager 1  
Insecticide/Rodenticide Branch  
Registration Division (7505C)

Enclosure (1)

3/13

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

SEP 1 2005  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
61036-192

MICRO FLO  
DIMETHOATE 2.67 EC  
ORGANOPHOSPHATE

ACTIVE INGREDIENT:

Dimethoate (0,0-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

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.)

NOT FOR USE OR STORAGE IN OR AROUND HOME

FIRST AID	
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 -20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
HOTLINE NUMBER ORGANOPHOSPHATE	
Have the product container or label with you when calling a poison control center or doctor, or going in for treatment. You may also contact 800-832-HELP (4357) for emergency medical treatment.	
NOTE TO PHYSICIAN: This product may cause cholinesterase inhibition. Antidote is atropine.	

EPA Reg. No. 51036-192  
51036-GA-1 AD 091495

EPA Est.No.

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

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. 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.

EMERGENCY TELEPHONE NUMBERS: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact:

(800)424-9300	CHEMTREC (transportation and spills)
(800)832-HELP(4357)	Human Health
(800)345-4735	ASPCA (animal health)

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. 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. Longs-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 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 Controls:

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. 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. 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 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.

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.

**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.

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, of, 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.

FRUIT

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 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.

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.

VEGETABLE CROPS

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

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

Aphids, Leafhoppers, Leaf Miners, Mites, 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.

LEAF LETTUCE, 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.

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, rootstocks 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 Tablespoonful 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.

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.

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.