

PM12

51036-19

1312

JUN 25 1990

Ms. Dawn A. Smith
Micro Flo Company
P.O. Box 5948
Lakeland, FL 33807

Dear Ms. Smith:

Subject: Addition of Sugarbeets and Sunflowers
Ethyl Methyl Parathion 6-3 EC
EPA Registration No. 51036-19
Your Application Dated April 26, 1990

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Correct the recommended rate for cucumbers. The label lists 7/26 pint, it should be 7/16 pint, or what is indicated in the Registration Standards for ethyl and methyl parathion.
 - b. Delete the phrase "...for at least 15 minutes" from the Statement of Practical Treatment for "If In Eyes or On Skin."

58919:I/MP5.0:CR-44:Johnson:C.Disk:KENCO:6/18/90:dg:sw:vo:jh:dg

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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3. Submit five (5) copies of your final printed labeling 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 section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

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RESTRICTED USE PESTICIDE
Due to very high acute toxicity to
Humans and Birds

For retail sale to and use only by certified applicator or persons under their direct supervision and only for those uses covered by the certified applicator's certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, repair and cleaning of application equipment. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

MICRO FLO
ETHYL METHYL PARATHION 6-3 EC

ACTIVE INGREDIENTS:

*Parathion (0,0-diethyl 0-p-nitrophenyl phosphorothioate	55.27%
*Related Compounds	2.85%
*0,0-dimethyl-0-p-nitrophenyl phosphorothioate ..	27.60%
*Related Compounds	1.45%
INERT INGREDIENTS	12.83%
TOTAL	100.00%

ACCEPTED
with COMMENTS
in EPA Letter Dated

*Equivalent to 6.0 lbs. parathion and related compounds and 3.0 lbs. methyl parathion and related compounds per gallon

JUN 25 1990

KEEP OUT OF REACH OF CHILDREN
POISON

DANGER PELIGRO

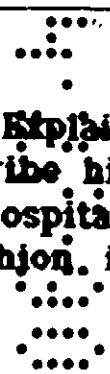
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 51036-19

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.
NOT FOR HOME USE

FIRST AID TREATMENT

STATEMENT OF PRACTICAL TREATMENT

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. If doctor cannot come, take victim to clinic or hospital. Move victim immediately from the area where parathion is present.



IF INHALED: Remove victim to fresh air. If not breathing, immediately give artificial respiration, preferably mouth-to-mouth, and maintain until doctor sees victim. If breathing is difficult, give oxygen.

IF IN EYES OR ON SKIN: Immediately flush with plenty of water for at least 15 minutes while removing contaminated personal clothing and shoes to avoid continued possible exposure to victim or persons in attendance.

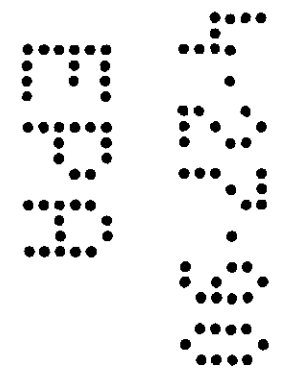
IF SWALLOWED: Induce vomiting immediately by giving two glasses of water and by touching back of throat with finger. **DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Have victim lie down and keep quiet.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ELSEWHERE ON LABEL

EPA Reg. No. 51036-19

EPA Est. No. 51036-GA-1

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



PRECAUTIONARY STATEMENTS
Hazards To Humans and Domestic Animals
DANGER

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. RAPIDLY ABSORBED THROUGH SKIN. REPEATED EXPOSURE MAY, WITHOUT SYMPTOMS, BE INCREASINGLY HAZARDOUS. Do not breathe vapors or dust. Do not get in eyes, on skin or on clothing.

POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces and eyes. Clothing wet with this material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die.

Some of the signs and symptoms of poisoning are: Headaches, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

NOTE TO PHYSICIAN

Antidote - administer atropine sulfate in large doses, TWO to FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacologic antidote and may be administered as an adjunct to, but not a substitute for, atropine which is a symptomatic and often life saving antidote. **DO NOT GIVE MORPHINE OR TRANQUILIZERS BECAUSE THESE ANTIDOTES MAY PRODUCE ADVERSE EFFECT ACCENTUATING THE PHARMACOLOGIC EFFECT OF THIS PRODUCT.** This product is a strong cholinesterse inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvements: **VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.**

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to aquatic invertebrates and wildlife. Birds in treated areas may be killed. Do not apply directly to water or wetlands (swamps, marshes, bogs, and potholes). Run-off and drift from target areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is extremely toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds if bees are visiting the treatment area.

**PHYSICAL OR CHEMICAL HAZARDS
DO NOT USE NEAR HEAT OR OPEN FLAME.**

In Case of:

FIRE - Use water spray, foam, dry chemical or CO2.

SPILL or LEAK, keep all unprotected persons away. Cover with absorbent such as ash, lime, clay or saw dust. Sweep up and bury.

Wash area thoroughly with strong lye solution.

WORK SAFETY RULES

PROTECTIVE CLOTHING STATEMENTS

THIS PRODUCT MAY BE FATAL IF SWALLOWED, INHALED, OR IF ALLOWED TO CONTACT SKIN. FAILURE TO PROPERLY FOLLOW ALL INSTRUCTIONS FOR PROTECTIVE CLOTHING AND EQUIPMENT WILL INCREASE YOUR RISK.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING/LOADING, APPLICATION, REPAIR AND CLEANING OF APPLICATION EQUIPMENT, DISPOSAL OF PESTICIDE, AND EARLY REENTRY INTO TREATED FIELDS:

Waterproof pants and coat; heavy-duty chemical-resistant gloves; rubber boots or rubber overshoes; hood or wide-brimmed hat; safety goggles or face shield; NIOSH approved respirator. In addition, mixer/loaders must wear a chemical resistant apron when using the concentrated product. During aerial application in enclosed cockpits, a helmet with a visor may be substituted for the hood or wide-brimmed hat and safety goggles or face shield requirements.

IF MIXING/LOADING IS PERFORMED USING A CLOSED SYSTEM, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE:

Heavy-duty chemical resistant gloves; chemical resistant apron, long-sleeved shirt (or gauntlets and short sleeve shirt) and long-legged pants; shoes and socks.

Safety goggles or a faceshield must be worn when the system is under pressure. All other protective clothing and equipment required for use with open systems must be available nearby.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE:

Clean long-sleeved shirt and long-legged pants. All other protective clothing and equipment required for use during

application must be available in the cab and must be worn when exiting the cab into treated areas. If used for this purpose, contaminated clothing may not be brought back into the cab unless in an enclosure such as a plastic bag.

REMEMBER! - THE CLOTHING IS NOT INTENDED TO PROTECT YOU DURING REPAIR AND CLEANING OF APPLICATION EQUIPMENT OR DURING EARLY REENTRY. REFER TO THE INSTRUCTIONS ABOVE.

HUMAN FLAGGERS ARE STRICTLY PROHIBITED DURING AERIAL APPLICATION

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water, and contact a physician immediately. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER WORK: Wash gloves with soap and water before removing. Take off all work clothes and shoes. Store protective clothing separately from personal clothing. Launder protective clothing after each use. Shower using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Personal clothing worn during mixing/loading, application, repair and cleaning of application equipment, disposal of pesticide, and early reentry into treated fields must be stored and laundered separately from household articles. Clothing and equipment heavily contaminated or drenched with parathion must be destroyed according to state and local authorities.

HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

Respirators should be cleaned and cartridges replaced according to instructions included with respirators. Replace gloves frequently.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

CHEMIGATION PROHIBITION

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

RE-ENTRY STATEMENT

Re-entry into treated fields before expiration of the re-entry interval specified on this label is prohibited, unless the protective clothing and equipment specified on this label are used.

CROP	RE-ENTRY INTERVAL	STATE(S)
Citrus	21 days (less than 4 lb ai/A)	CA, AZ, NV, NM, OK, TX, UT
	35 days (between 4 and 8 lb ai/A)	CA, AZ, NV, NM, OK, TX, UT

	45 days (more than 8 lb ai/A)	CA, AZ, NV, NM, OK, TX, UT
	5 days	All other states
Apples	6 days	All states
Peaches	6 days	All states
Grapes	Same as Citrus above	
Corn	6 days	All states
Olives	6 days	All states
Tree fruits	6 days	All states
Tree nuts	6 days	All states
Cotton	3 days	All states
All other crops	3 days	All states

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product.

ORAL WARNINGS shall inform workers of areas or fields that may not be entered, without protective equipment and clothing specified on this label, during treatment or for (see times specified above). Follow First Aid Treatment instructions shown on this label in case of accidental exposure.

When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

WRITTEN WARNINGS must include the following information.

DANGER - Area treated with parathion on (date of application). Do not enter without appropriate protective clothing for (see times specified above). Follow First Aid Treatment instructions shown on this product label in case of accidental exposure.

ATTENTION

To avoid excessive residues of parathion on food or spruce crops always observe the statements found under "Directions for Use," limiting the time before harvest when parathion may be applied. Because this material is poisonous by skin contact, inhalation or swallowing it should not be used in such a manner or under weather conditions as will permit drift of the spray onto areas not

intended to be treated. Do not apply or allow drift to areas occupied by unprotected humans or beneficial animals.

STORAGE AND DISPOSAL

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

STORAGE AND HANDLING:

1. Handle container carefully so as to avoid damage and prevent spills.
2. Do not use or store in or around the home.
3. Store container in a well ventilated place.
4. Empty container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.
5. Keep out of reach of children and domestic animals.

PESTICIDE DISPOSAL

Wastes of this pesticide are acutely hazardous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label use 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 to prevent other use and dispose of in an approved landfill, or by other procedures approved by state and local authorities.

RECOMMENDED USES

Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Maintain agitation during filling and spraying operations. Rinse empty container with water and drain into spray tank. Repeat twice more.

USE IN POWER-OPERATED GROUND SPRAYERS - Use specified dosage of the spray concentrate in 20 to 100 gallons of water per acre to obtain thorough coverages.

USE IN AERIAL APPLICATION - Use specified dosage of the spray concentrate in 3 to 20 gallons of water per acre to obtain thorough coverage.

ALFALFA, CLOVER, GRASS, VETCH: Aphids (green bug), alfalfa weevil, alfalfa caterpillars, armyworms (up to 3rd instar), climbing cutworms, grasshoppers - use 1/4 to 1/2 pint. Blister beetle, leafhoppers, spider mites, spotted alfalfa aphid, flea

beetle, alfalfa weevil larvae - use 1/3 to 2/3 pint. Tortricid moth - use 2/3 pint. Do not graze animals on treated pasture or cut for hay within 15 days of application. NOTE: Do not spray legumes during bloom to avoid injury to bees. Birds and other wildlife in treated areas may be killed. Do not apply if the crop or weeds in the treatment area are in bloom.

ARTICHOKES: Plume moth - use 4/5 pint. Do not apply within 7 days of harvest.

CARROTS: Aphids, vegetable weevils - use 1/2 pint. Do not apply within 15 days of harvest. Do not use treated carrot tops for food or feed.

CELERY: Aphids, celery leaf tiers, celery worms, spider mites - use 1/2 pint. Do not apply within 21 days of harvest.

CELERY (California only): Do not apply within 30 days of harvest.

COLE CROPS: (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kohlrabi): Aphid, vegetable weevil - use 1/4 to 1/2 pint. Cabbage loopers - use 2/3 pint. Do not apply within 7 days of harvest on broccoli, brussels sprouts, cauliflower, kohlrabi; or within 21 days of harvest on cabbage.

COLLARDS, KALE, MUSTARD GREEN, SPINACH: Aphids, leafminers, vegetable weevils - use 1/2 pint. Cabbage loopers - use 2/3 pint. Do not apply within 10 days of harvest on collards, kale and mustard greens; or within 14 days of harvest on spinach.

CORN (Field): Aphids, budworms, European corn borer (make 1 or more applications when borer damage threatens depending on the extent of infestation and degree of control desired. Consult your State Agricultural Experiment Station for proper timing of treatments), spider mites - use 1/2 pint. Armyworms (up to 3rd instar), fall armyworms, rootworm adults - use 1/4 pint. Do not apply within 12 days of harvest or cutting for forage. Do not apply to corn during the pollen shed period.

CORN (Sweet): Armyworms (up to 3rd instar), fall armyworms, spider mites - use 2/3 pint. Do not apply within 12 days of harvest. Do not apply to corn during the pollen shed period.

COTTON: Boll weevil, overwintered boll weevil, salt marsh caterpillar - use 2/3 to 1 1/3 pint. Aphids, armyworms (up to 3rd instar), cabbage looper, stink bug - use 1 pint. Brown cotton leafworm, cotton leafworm, cotton fleahopper, garden webworm, leafhoppers, leaf rollers, lygus bugs, red spider mites, serpentine leaf miner, thrips - use 1/2 pint. Bollworm, tobacco budworm - use 1 3/5 pint. Do not apply within 7 days of handpicking or harvest. Workers entering fields within 3 days of application should wear protective clothing.

CUCUMBERS: For control of aphids and two-spotted mites, use 7/26 pint per acre. Do not apply prior to vining. Do not apply within 15 days of harvest.

DRY BEANS: Aphids, armyworms (up to 3rd instar), leafhoppers, leafminers, leaf rollers, Mexican bean beetles, red spider mites - use 1/2 pint. Do not apply within 15 days of harvest. Do not apply if the crops or weeds in the treatment area are in bloom.

GARDEN PEAS, BLACK EYE PEAS: Aphids, pea weevils - use 1/2 pint. Do not apply within 15 days of harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

GREEN BEANS: Aphids, armyworms (up to 3rd instar), leafhoppers, leafminers, leaf rollers, Mexican bean beetles, red spider mites - use 1/2 pint. Do not apply within 15 days of harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

HOPS: For control of hop aphids, use 1/2 to 2/3 pint per acre. For spider mites use 2/3 pint per acre. Do not apply within 15 days of harvest.

HOPS (Washington State only): To control aphids and spider mites use 4/5 pint per acre.

LETTUCE (Leaf, Bibb and Head): Aphids - use 1/4 to 1/3 pint. Cabbage loopers - use 2/3 pint. Do not apply within 21 days of harvest.

MELONS (California only): For control of aphids, armyworms up to third instar, cabbage loopers and thrips - apply 5/16 and 7/16 pint per acre in sufficient water for thorough coverage (usually 3 to 10 gallons of water per acre by aircraft; 20 to 100 gallons of water per acre by ground equipment). Do not apply within 7 days of harvest.

ONIONS: For control of onion thrips, use 1/4 pint per acre. Do not apply within 15 days of harvest.

ONIONS (California only): For control of onion thrips, use 1/4 to 1/2 pint per acre.

PEPPERS: Aphids, leafminers - use 1/2 pint. Do not apply within 15 days of harvest.

POTATOES: Aphids, blister beetles, leafhoppers, leafminers, plant bugs, potato psyllids, thrips, vegetable weevils - use 7/8 pint. Do not apply within 5 days of harvest.

RED BEETS: Aphids, blister beetles - use 1/2 pint. Do not apply within 15 days of harvest. Do not apply within 21 days of harvest if tops are to be used as food.

RUTABAGAS: Aphids, lygus bugs - use 2/5 pint. Do not apply after flowering.

SMALL GRAINS (Barley, Oats, Wheat): Fall armyworms, winter grain mites - use 1/4 pint. Aphids (green bug), armyworms (up to 3rd instar), black grass bug (Irbisia), blister beetles, brown wheat mite (Petrobia), grasshoppers, leafhoppers, stink bugs - use 1/2 to 2/3 pint.

SORGHUM: Corn earworms, corn leaf aphids, false chinch bugs, sorghum webworms - use 1/3 pint. Sorghum midge - use 1/2 pint. Do not apply within 21 days of harvest. May cause injury to some varieties of sorghum.

SOYBEANS: Aphids, armyworms (up to 3rd instar), blister beetles, climbing cutworms, fall armyworms, flea beetles, grasshoppers, leafhoppers, leaf-miners, mites - use 1/3 pint. Alfalfa loopers, lygus bugs, stink bugs - use 1/2 pint. Do not apply within 20 days of harvest. Do not apply within 60 days of harvest if tops are to be fed to livestock.

SUGAR BEETS: Alfalfa loopers, aphids, armyworms, blister beetles, flea beetles, leafhoppers, leaf miners, lygus bugs, stinkbugs, webworm - 1/2 to 2/3 pint per acre in sufficient water for thorough coverage. Do not apply within 20 days of harvest, 60 days if tops are to be fed to cattle.

SUNFLOWERS: Sunflower seed weevil, Sunflower moth, Sunflower maggot, Sunflower stem weevil, Grasshopper - 7/8 pint per acre in sufficient water for thorough coverage. Do not apply more than 3 times at 5 day intervals per season. Do not feed seed to birds. Do not apply within 30 days of harvesting, pasturing, cutting or foraging.

TOMATOES: Aphids, armyworms (up to 3rd instar), grasshoppers, leaf-miners, spider mites, Tomato russet mites, Whiteflies - use 1/2 pint. Cabbage loopers - use 2/3 pint. Do not apply within 10 days of harvest.

TURNIPS: Aphids, vegetable weevils - use 1/4 to 1/3 pint. Cabbage loopers - use 2/3 pint. Do not apply within 15 days of harvest. Do not apply within 21 days of harvest if tops are to be used as food or feed.

CONDITIONS OF SALE

All statements concerning the use of this product apply only when used as directed. THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL. Read all directions carefully.

