

51036-110

05/27/1988

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US-ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	51036-110	5-27-88
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	
	Dimethoate 4E Systemic Insecticide	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Micro-Flo Company Route 1, Box 190 Sparks, CA 91647		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) 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. Submit five (5) copies of your final printed labeling incorporating the following corrections before you release the product for shipment. Refer to the 3-79 enclosure for a further description of final printed labeling.		
a. Add the phrase "EPA Registration No. 51036-110" to your label.		
b. Correct the 3-day PHI for leaf lettuce, spinach, collards, kale, turnips, mustard greens, swiss chard, and endive (escarole) to 14 days. Your label previously submitted for the product had the correct PHI (14 days) for these.		
3. If the Agency issues a Notice of Intent to Cancel registration of this product under section 6 of the Act, in significant part because of the risks posed by the presence of cyclohexanone, the Notice will state that the continued sale and distribution of existing stocks of this product after the date of cancellation will not be permitted. The registration of this product is approved on the condition that you will not request a hearing to challenge such an existing stocks provision in a Notice of Intent to Cancel.		
<input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE
		5-27-88

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 constitutes acceptance of these conditions.

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



John T. Tice
Acting Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosures

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DIMETHOATE 4E

MAY 27 1988

SYSTEMIC INSECTICIDE

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.
51036-110

ACTIVE INGREDIENT:

Dimethoate (O,O-dimethyl S-(N-methyl-carbamolymethyl)
phosphorodithioate) 43.5%

INERT INGREDIENTS: 56.5%

TOTAL 100.0%

1 gallon contains 4 pounds Dimethoate

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta
que le etiqueta haya sido explicado ampliamente.

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: 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 and remove contaminated cloth-
ing and shoes. Get medical attention.

See Side Panels For Additional Precautionary Statements

EPA Reg. No. 51036-RRN

EPA Est. No. 51036-GA-1

Manufactured By
MICRO FLO COMPANY
ROUTE 1 BOX 190
SPARKS, GEORGIA 31647

NET CONTENTS: _____

PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals

WARNING

May be fatal if swallowed. May cause eye injury. Harmful if absorbed through skin. May cause irritation of the nose and throat. Do not get into eyes. Avoid breathing the vapor or spray mist. Wash thoroughly with soap and water after handling and before eating or smoking. Wash clothing before reuse.

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

Keep away from domestic animals and foodstuffs. Do not contaminate or apply onto feed or foodstuffs.

REQUIRED CLOTHING AND EQUIPMENT FOR APPLICATION:

All applicators, flaggers and all personnel involved with the mixing, loading, and transferring operations must wear the protective clothing and equipment enumerated below. Pilots are exempt from this requirement. The protective clothing and equipment to be worn is as follows:

- a. Impermeable gloves (for example, rubber or plastic covered reinforced gloves).
- b. Boots or boot covers
- c. Long-sleeved shirt and long pants
- d. Wide-brimmed hat
- e. Respirators must be worn by flaggers and mixer/loaders
Wear goggles, face shield or safety glasses when applying or mixing pesticide.

ENVIRONMENTAL STATEMENTS

This product is toxic to shrimp, crab, birds, and other wildlife. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. 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.

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.

RE-ENTRY STATEMENTS

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. 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.

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

Written or oral warnings must include the following information:

WARNING! Area treated with Dimethoate on (date of application). Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure, call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Dimethoate and describe his condition.

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.

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 incin-

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

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.

BEFORE USING, READ WARNING STATEMENTS ON CONTAINER LABEL.

This product is intended for use by the commercial grower or commercial applicator in conventional hydraulic sprayers, ground applicators or airplane sprayers. When applying by ground equipment, use the recommended amount in sufficient water for thorough coverage; by aircraft, in 2 to 10 gallons of water unless otherwise specified. Do not apply when weather conditions favor drift of spray from areas treated. Repeat applications as necessary unless otherwise specified. Consult your state experiment station or state extension service for proper timing of applications.

CROPS

Interval (Days) Between Last Application and Harvest ().

FRUIT

APPLES: Apple maggot+, Codling moth+* - 1 pt./100 gals. water (28). Do not apply during the bloom period. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not graze livestock in treated orchards.

+Under heavy infestations, some sting injury may occur.

+*Midwest and eastern states only.

APPLES, PEARS: Aphids, Leafhoppers, Mites (except rust mites) - 1/2 to 1 pt./100 gals. water (28). Do not apply during the bloom period. Do not graze livestock in treated orchards.

GRAPEFRUIT, LEMONS, ORANGES, TANGERINES: Aphids - Ground Equipment: 1/2 to 1 pt./100 gals. water. Apply as an outside coverage spray. Aircraft equipment: 1 to 2 qts./acre in 5 to 10 gals. water (15). Mites (except rust mites) - Ground Equipment: 1/2 to 1 pt./100 gals. water. Apply as a thorough distribution coverage spray (15). Scales (except black or snow) - Ground Equipment: 1 to 1 1/2 pts./100 gals. water. Apply as a thorough coverage spray (45). Thrips - Ground Equipment: 1/2 to 1 pt./100 gals. water. Apply as a mist spray. Aircraft Equipment: 1 to 2 qts./acre in 5 to

10 gals water (15). Whiteflies - Ground Equipment: 1 pt./100 gals. water. Apply as a thorough distribution coverage spray (15). Do not apply during bloom period. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not enter treated groves within 4 days of last application.

NUTS PECANS: Aphids, mites, leafhoppers - Ground Equipment: 2/3 pt./acre. Aphids - Aerial Equipment: 2/3 pt./acre in a minimum of 5 gals. of finished spray (21). Do not graze livestock in treated groves.

VEGETABLE CROPS

BEANS (GREEN, LIMA, SNAP, DRY): Aphids, grasshoppers, leafhoppers, leaf miners, lygus bugs, mites - 1/2 to 1 pt./acre. Beans may be harvested on day of application. Do not feed treated vines.

BROCCOLI, CAULIFLOWER: Aphids - 1/2 to 1 pt./acre (7).

CABBAGE: Aphids - 1/2 to 1 pt./acre (3)»

HEAD LETTUCE: Aphids, leafhoppers, leaf miners - 1/2 pt./acre (7).

CELERY (Florida): Leaf miners - Ground Equipment: 1 pt./acre (7)»

LEAF LETTUCE, SPINACH, COLLARDS, KALE, TURNIP (GREENS AND ROOTS), MUSTARD GREENS, SWISS CHARD, ENDIVE (ESCAROLE): Aphids, leafhoppers, leaf miners - 1/2 pt./acre (3).

MELONS (EXCEPT WATERMELONS): Aphids, leafhoppers, leaf miners, thrips - 1 pt./acre (3).

PEAS: Aphids - 1/3 pt./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 used. Do not feed or graze when a mobile viner is used.

PEPPERS: Aphids, leaf miners, maggots - 1/2 to 2/3 pt./acre. Peppers may be harvested on day of application.

POTATOES: Aphids, grasshoppers, leaf miners, leafhoppers - 1/2 to 1 pt./acre. Potatoes may be harvested on day of application.

TOMATOES: Aphids, leaf miners, leafhoppers - 1/2 to 1 pt./acre (7).

Where cabbage worms and cabbage loopers are a problem, the above rates of Dimethoate 4EC are compatible with Endosulfan, Malathion or Parathion. Use in accordance with the manufacturers' directions for control of these insects.

FIELD CROPS

ALFALFA: Aphids, grasshoppers, leafhoppers, lygus bugs, reduction of alfalfa weevil larvae - 1/2 to 1 pt./acre. Do not apply to alfalfa in the bloom period. Do not apply within 10 days of harvest or pasturing. Make only one application per cutting. Effective only on cutting to which applied.

FIELD CORN: Banks, grass mites (excluding Trans-Pecos area of Texas) - 2/3 to 1 pt./acre. Aerial Application: Spray over the foliage when mites appear. Apply above rates in 1 or more gals. of water per acre. Grasshoppers - 1 pt./acre. Ground Application: Apply above rate in 20 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre (14). 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 if bees are actively foraging in the treated areas.

COTTON: Aphids, mites, thrips, fleahoppers - 1/4 to 1/2 pt./acre. Lygus bugs - 1/2 pt./acre (14). Repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields.

COTTON (GROWN IN CALIFORNIA AND ARIZONA): Lygus bugs, leafhoppers, black fleahoppers - 1/2 to 1 pt./acre (14). 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.

SAFFLOWER (GROWN IN CALIFORNIA AND ARIZONA): Aphids, leafhoppers, Lygus bugs, Thrips - 1/2 to 1 pt./acre (14). Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate.

SORGHUM (MILO): Aphids - 1/2 to 1 pt./acre. Ground Application: Apply above rates in 25 to 40 gals. of water per acre. Aerial Applications: Apply above rates in 1 or more gals. of water per acre. Banks grass mites (excluding Trans-Pecos area of Texas) - 1 pt./acre. Ground application: Apply above rate in 25 to 40 gals. of water per acre. Aerial application: Apply

above rate in 1 or more gals. of water per acre. Grasshoppers - 1 pt./acre. Ground application: Apply above rate in 25 to 40 gals. of water per acre. Aerial application: Apply above rate in 1 or more gals. of water per acre. Sorghum midge - 1/4 to 1/2 pt./acre. Aerial application: Apply above rates in 1 or more gals. of water per acre. Do not feed or graze within 28 days of last application. Make no more than 3 applications as needed per season.

SOYBEANS: Mexican bean beetle, spider mites, bean leaf beetle - 1 pt./acre. Aerial application: Apply recommended rate in a minimum of 2 gals. of water per acre. Grasshoppers - 1 pt./acre. Ground application: Apply above rate in 25 to 40 gals. of water per acre. Aerial Application: Apply above rate in 1 or more gals. of water per acre. (21) Do not feed or graze within 5 days of last application.

WHEAT: Aphids (greenbugs) - 1/2 to 3/4 pt./acre. Brown wheat mite - 1/3 to 1/2 pt./acre. Grasshoppers - 3/4 pt./acre. Do not apply within 14 days of grazing immature plant. Do not harvest grain within 60 days of last application.

SEED CROPS

ALFALFA: Aphids, leafhoppers, lygus bugs, grasshoppers, reduction of alfalfa weevil larvae - 1/2 to 1 pt./acre. Do not apply to alfalfa in the bloom period. Do not feed or graze livestock in treated crops, hay, threshings or stubble within 10 days of application.

ATTENTION: DO NOT USE ON SEED ONIONS, SEED CARROTS, OR SEED BERMUDA GRASS.

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.