

PM 16 51036 20 1/7
10/10/82

Updated 10-3-89 per reregistration phase 2 (inerts)

MALATHION 5 E

Malathion 5-E is a water emulsifiable spray
concentrate insecticide and miticide

ACTIVE INGREDIENTS:

Malathion: 0,0-dimethyl phosphorodithioate of
diethyl mercaptosuccinate 57.00%

INERT INGREDIENTS. 43.00%

TOTAL 100.00%

(Contains 5 pounds of Malathion per gallon)

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
immediately. Drink one or two glasses of water and induce
vomiting by touching the back of throat with finger. Repeat until
vomit fluid is clear. Do not induce vomiting or give anything by
mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. Apply artificial
respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected
areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician if
irritation persists.

NOTE TO PHYSICIAN: This product may cause cholinesterase
inhibition. Atropine is antidotal. 2-PAM may be effective as an
adjunct to atropine.

See Side Panels For Additional Precautionary Statements

EPA Reg. No. 51036-20

EPA Est. No. 51036-GA-4

Manufactured By
MICRO FLO COMPANY

P.O. BOX 5948
LAKELAND, FLORIDA 33807

NET CONTENTS: _____

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Not Reviewed. Registrant claims to be in accordance with
Reregistration of Pesticide Product Guidance for Phase 2
Response, Page 2.12, Active to Inert Change in Status.

**PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals**

WARNING

Harmful if swallowed. Avoid contact with skin. Wash thoroughly after using. Avoid breathing of spray mist. Avoid contamination of feed and foodstuff. Keep out of reach of children. Keep container closed and away from heat and open flame. Do not combine emulsifiable liquids with wettable powders in the same spray tank unless previous use of the materials being combined has proven them to be physically compatible.

ENVIRONMENTAL HAZARDS

OUTDOOR USE ON NONAQUATIC SITES:

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages to amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes). Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment 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.

INDOOR USE:

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not store at temperatures below freezing, as such low temperatures may be harmful to this product.

DIRECTIONS FOR USE

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

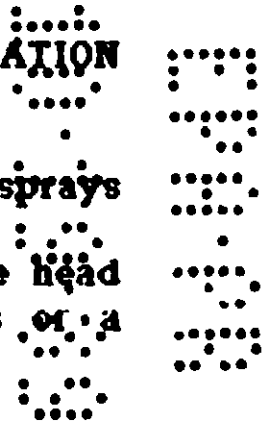
CHEMIGATION PROHIBITION

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried.

Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a



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coverall type garment (all of sloely woven fabric covering the body, including the arms and legs), shoes and socks.

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.

Do not apply this product in such a manner as to directly or through drift expose workers or others 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. 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 warning; cannot be understood by workers. Written warnings must include the following information: **WARNING!** Area treated with Malathion 5E on (date of application). Do not enter without appropriate protective clothing until sprays have dried.

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.

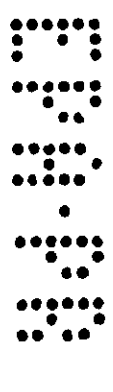
STORAGE: Do not store below temperature of 9 degrees F. If frozen, warm to 40 degrees F, and redissolve before using by rolling or shaking the container. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

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For proper mixing, the spray tank should be at least 3/4 filled with water before Malathion 5 E formulation is added. Mechanical agitation or recirculation through the pump by-pass to the tank is usually sufficient for maintaining a good dispersion. Rinse empty container with water and drain into spray tank - repeat twice more. Repeat applications should be as needed unless otherwise



indicated. Consult your State Experiment Station as to the timing of applications.

APPLICATION: For ground applications on the crops listed, the specified amounts of the emulsifiable liquid should be applied in sufficient water for good coverage, usually 25 to 50 gallons of water per acre. Applications by aircraft should be made in 2 to 10 gallons of water per acre. Do not make applications when winds exceed 5 miles per hour. Repeat applications should be made as needed unless otherwise indicated.

NOTE: The U.S. Food and Drug Administration has set official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances. Use only at recommended rates, and do not apply closer to harvest than specified interval (days) between last application and harvest or grazing indicated in parentheses after crop name.

FIELD AND FORAGE CROPS

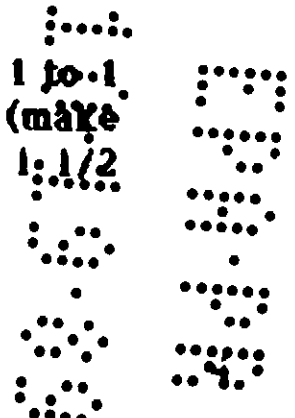
ALFALFA (0): Aphids, potato leafhopper, spider mites, alfalfa weevil larvae, spittlebug, grasshoppers, spotted alfalfa aphid and lygus bugs - 1 1/2 to 2 pints. Clover leaf weevil - 1 1/2 pints (apply in spring when alfalfa is 2 to 6 inches tall) Pea aphid - 1 pint. Armyworms - 2 pints (make full coverage application when larvae are small. **NOTE:** Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the field or are not hanging on outside of hives.

CLOVER (0): Aphids, mites, grasshoppers, leafhoppers - 1 1/2 to 2 pints. Clover leaf weevil - 1 1/2 pints. Apply in spring when clover is 2 to 6 inches tall.

COTTON (0): Boll weevil, desert spider mite, cotton aphid, leafhoppers, white flies, cotton leafworm, brown cotton leafworm, cotton leaf perforator, thrips and lygus bugs - 2 to 4 pints. Fleahoppers - 1 to 1 1/2 pints. Fall armyworms, grasshoppers, garden webworms - 1 1/2 to 3 pints. **NOTE:** For control of worms and weevils, Malathion 5 E should be used in combination with other recommended insecticides.

GRAIN CROPS - Barley, Oats, Wheat (7): Cereal leaf beetle - 1 to 1 1/2 pints. English grain aphid, greenbugs, grasshoppers, (make full coverage to hatching areas when nymphs are young) - 1 1/2 pints.

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PEANUTS (30): Thrips - 1 1/2 pints.

SOYBEANS (3): Mexican bean beetle - 2 1/2 to 3 pints

TOBACCO (7): Aphids - 1 1/2 to 2 1/2 pints. Use maximum dosage in plant bed.

VETCH (7): Pea aphid, vetch bruchid, omniverous leaf tier - 1 1/2 to 2 pints.

FRUIT

APPLES (3): Wooly apple aphid, bud moth, forbes scale - 1 pint. Tent caterpillars - 1 to 1 1/2 pints. Mealybug - 1 to 1 1/2 pints. Green apple aphid, rosy apple aphid - 1 1/2 pints. Codling moth, plum curculio, redbanded leaf roller - 2 pints. Maximum allowable dosage is 1 1/2 gallons per acre. **NOTE: MAY CAUSE INJURY TO MCINTOSH AND CORTLAND VARIETIES.**

APRICOTS (7): Codling moth, orange tortrix, terrapin scale, soft brown scale aphids - 1 1/2 to 2 pints.

AVOCADOS (7): Latania scale, greenhouse thrips, omniverous looper, orange tortrix, soft brown scale - 1 1/2 pints.

CITRUS - Grapefruit, lemons, limes, oranges, tangerines, tangelos, kumquats (7): Florida red and purple scales (light and medium infestations - 2 pints. Thrips - 3/4 pint. Maximum allowable dosage is 2 gallons per acre.

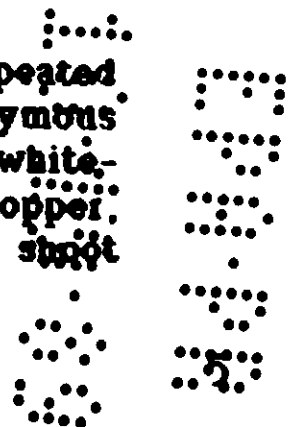
PEACHES (7): Oriental fruit moth, plum curculio, terrapin scale, cottong peach scale - 2 pints. Green peach aphid, black cherry aphid, black peach aphid, rusty plum aphid, Japanese beetle - 1 pint.

STRAWBERRIES (3): Aphids, spider mites - 1 1/2 pints. Lygus bug, spittle bugs, field crickets, thrips - 1 1/2 to 3 pints. Potato leafhopper, strawberry leafroller, white flies - 1 1/2 to 2 1/2 pints.

ORNAMENTALS

Thorough full coverage applications should be made and repeated as necessary. Oyster shell scale, lace bug - 1 pint. Enonymus scale - 1 to 1 1/2 pints. Aphids, mealybugs, spider mites, whitefly, four-lined leaf bug, Japanese beetle (adult), potato leafhopper, tarnished plant bug, thrips, rose leafhopper, European pine shoot

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moth, scurfy scale - 1 1/2 pints. Birchleafminer, boxwood leafminer, bagworms, tent caterpillar, azalea scale, pine leaf scale (apply when scale crawlers have settled on foliage). Florida red scale - 2 pints.

CAUTION: Avoid use on certain ferns, including Boston, Maidenhair and Pteris, as well as on some species of Crassula.

VEGETABLES

BEANS - Lima, green, snap, navy, red kidney, wax, cowpeas, blackeyed peas (1): Mexican bean beetle - 1 1/2 pints. Spider mites - 1 to 1 1/2 pints. Japanese beetle (make 2 or more applications as needed) 1 1/2 to 2 pints. Aphids, cucumber beetle - 2 pints.

BROCCOLI and TURNIPS (3), CABBAGE and MUSTARD (7): Aphids, cabbage looper and imported cabbage worm - 1 to 2 pints. Maximum allowable dosage is 4 pints per acre.

BRUSSELS SPROUTS, COLLARDS, KOHLRABI (7), PARSLEY (21): Aphids - 1 1/2 to 2 pints.

CELERY (7): Aphids, spider mites - 1 1/2 pints.

ENDIVE (7): Aphids, mites - 1 1/2 to 2 pints.

LETTUCE (leaf - 14 days; head - 7 days): Leafhoppers, aphids - 2 pints.

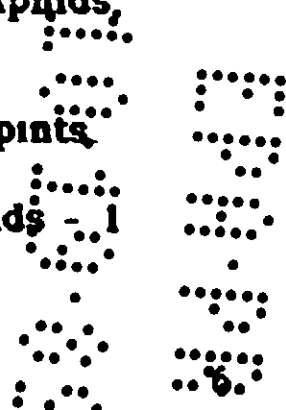
SPINACH (7): Aphids - 2 pints.

CORN (Field Sweet and Pop) (5): Aphids, sap beetle, thrips - 1 1/2 pints.

CUCURBITS: CUCUMBERS (1): Aphids, spider mites, pickleworm - 1 1/2 pints. **MELONS (Cantaloupes, Casabas, Crenshaws, Honeydews, Honey ball, Muskmelons, Persians, Watermelons and Hybrids of these) (1):** Aphids, spider mites - 1 1/2 pints. **PUMPKINS (3):** Aphids, mites - 1 1/2 pints. **SQUASH (1):** Aphids, spider mites - 1 1/2 pints. Pickleworm - 2 pints.

EGGPLANT (3): Aphids, Spider mites - 1 pint. Lace bug - 3 pints.

OKRA (do not apply after pods have started to form): Aphids - 1 1/2 pints.



ONIONS (3): Thrips - 1 1/2 pints. Onion maggots - 2 1/2 pints.

POTATOES (0): Aphids, leafhoppers, mealybug - 1 pint. False chinch bug - 1 1/2 pint.

ROOT CROPS: BEETS (7 if tops are to be used as feed): Aphids - 1 1/2 to 2 pints. **CARROTS (7):** Aphids - 1 1/2 to 2 pints. Leafhoppers - 2 1/2 pints. **HORSERADISH, PARSNIPS, RADISHES, SALSIFY (7):** Aphids - 1 1/2 to 2 pints. **RUTABAGAS (3):** Aphids - 1 1/2 pints. **SWEET POTATOES (3):** Leafhoppers - 1 1/2 to 2 pints. Morningglory leafminers - 2 1/2 to 3 pints.

TOMATOES (outdoor) (1): Spider mites - 1 1/2 pints. Aphids - 1 pint. Drosophila - 2 1/2 pints.

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.

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