

MALATHION 50% E.C.

MIX WITH WATER:

Ornamental Pest Control (1-4 tsp./ gal.)
Fruit Insect Control (1-2 tsp./gal.)
Citrus Insect Control (2 tsp./gal.)
Vegetable Gardens (1-2 tsp./gal.)

ACTIVE INGREDIENT:

BY WT.

Malathion: 0,0-dimethyl phosphorodithioate
of diethyl mercaptosuccinate 50.0%
INERT INGREDIENTS:* 50.0%

*Contains xylene range aromatic solvent. Contains 4.4 lbs. malathion per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENTS ORGANOPHOSPHATE

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration hazard. Never give anything by mouth to an unconscious or convulsing person. This product contains an aromatic petroleum solvent. Treat symptomatically.

IF INHALED: Remove victim to fresh air at once. Apply respiration if needed.

IF ON SKIN: Wash thoroughly with soap and hot water.

IF IN EYES: Wash with plenty of water for 15 minutes. Call a physician.

NOTE TO PHYSICIAN: Malathion upon repeated, prolonged and careless use may cause cholinesterase inhibition. Atropine is antidotal.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal. **STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children and pets. **PESTICIDE DISPOSAL (Household Only):**

Securely wrap original container in several layers of newspaper and discard in trash. **CONTAINER DISPOSAL (Household Only):** Do not reuse container. Rinse thoroughly before discarding in trash.

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

CONTAINER DISPOSAL (Except Household): Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by State and local authorities, by burning. If burned stay out of smoke.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing of spray mist or vapors. Avoid contact with skin. Avoid contamination of feed and foodstuffs.

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 F on an EPA chemical resistance category selection chart. Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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 fish, aquatic invertebrates, and aquatic life stages of amphibians. 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. 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill 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. 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.

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.

(continued in next column)

It also contains specific instructions and exceptions pertaining to the statements on this labeling about personal protective equipment (PPE), 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 12 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: Coveralls, Chemical-resistant gloves, such as Barrier Laminate, or Nitrile Rubber, or Butyl Rubber, or Viton, and Shoes plus Socks.

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 and pets out of treated area until sprays have dried.

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

ORNAMENTAL PEST CONTROL

Use on a wide range of plants and insects as listed. However, do not apply to Boston, Pteris or Maidenhair Ferns, Viburnum, Lantana, Crassula, Canaerti Junipers, Petunias, or small leaf Spirea since injury may result. The proper use of a spreader sticker will enhance insect control, especially with scale. Treat when insects are first seen and damage is anticipated.

For control of Lace Bugs and Oyster Shell Scale - Use 1 pint per 100 gallons water (1 tsp. per gallon). Apply when Scale Crawlers have settled on foliage.

For Aphids, Spider Mites, Mealybugs, Whiteflies, European Pine Shoot Moth, Four-lined Leaf Bug, Japanese Beetles, Potato Leafhopper, Rose Leafhopper, Tarnished Plant Bug, Thrips, and Euonymus Scale - Use 1 1/2 pint per 100 gallons of water (1 1/2 tsp. per gallon).

For Bagworms, Birch Leaf Miner, Boxwood Leaf Miner, Oak Kermes, Tent Caterpillar, Scale Insects as: Azalea, Magnolia, Pine Leaf Scale, Fletchers, Florida Red Scale and Juniper Scale - Use 2 pints per 100 gallons water (2 tsp. per gallon).

For Black Scale Crawlers, Monterey Pine Scale and Soft Scale - Use 2 1/2 pints per 100 gallons water 2 1/2 tsp. per gallon).

For Pine Needle Scale and Wax Scale - Use 4 pints per 100 gallons of water (4 tsp. per gallon). Apply in the spring when crawlers are active. Repeat 1 to 2 full-coverage sprays at 10 day intervals.

MOSQUITO CONTROL

For control and reducing the annoyance of adult mosquitoes, flies and small flying insects in outdoor areas, apply spray mixture as a fine mist or fog.

Dilute Malathion 50% E.C. at the rate of 4 1/2 oz. per gallon of water.

Repeat application as necessary. Avoid spray contact with auto finishes as product may produce spotting.

Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.

VEGETABLE GARDEN INSECTS

Thoroughly spray plants particularly the undersides of leaves and the developing fruit. Use approximately 1 gallon of the ready-to-use spray per 500 sq. ft. of garden plants. Treat plants when insects are first seen and damage is noticed. Do not spray later than days shown till harvest.

Do not feed or graze forage, hay or straw to livestock.

BEANS: For Aphids, Spider Mites, Cucumber Beetles, Leaf Hoppers - Use 2 tsp. per gallon. 1 day to harvest.

CELERY: For Aphids, Spider Mites - Use 2 tsp. per gallon. 7 days to harvest.

CUCUMBER, SQUASH, MELONS: For Aphids, Spider Mites, Cucumber Beetle, Leaf Hopper - Use 2 tsp. per gallon. 1 day to harvest. Do not apply unless plants are dry.

CABBAGE, BROCCOLI, KALE, MUSTARD, TURNIPS, HEAD LETTUCE: For Aphids, Imported Cabbage Worm, Cabbage Looper, Leaf Hopper - Use 2 tsp. per gallon. 7 days to harvest.

EGGPLANT: For Aphids, Spider Mites - Use 1 tsp. per gallon. 3 days to harvest.

ONIONS: For Thrips - Use 2 tsp. per gallon. 3 days to harvest.

PEPPERS: For Aphids - Use 1 tsp. per gallon. 3 days to harvest.

POTATOES: For Aphids, Leaf Hoppers, Mealybugs - Use 1 tsp. per gallon. No waiting time till harvest.

RADISHES: For Aphids - Use 2 tsp. per gallon. 7 days to harvest.

TOMATOES: For Aphids, Spider Mites - Use 2 tsp. per gallon. 1 day to harvest.

CITRUS INSECT CONTROL

CITRUS: For use on Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangerines, and Tangelos.

For control of Black Scale, California Scale, Citricola Scale, Soft Scale and Yellow Scale - Use 2 teaspoonfuls per gal. of water.

For Control of Florida Red & Purple Scale and the Mediterranean Fruit Fly - Use 2 teaspoonfuls per gallon of water.

For Thrips and Aphids - Use 2 teaspoonfuls per gallon of water. (This spray will also suppress Spider Mites that may be present.) Apply sprays to give thorough coverage of fruit and the upper and lower sides of leaves and twigs when insects are present or their damage is eminent. Do not apply when trees are in bloom or within 7 days of harvest.

FRUIT INSECT CONTROL

APPLES: To control Aphids, Bud Moth, Forbes Scale, Codling Moth, Plum Curculio, Red-Banded Leaf Roller, and Spider Mites - Mix 2 tsp. in 1 gallon of water. Make two or more applications for mites and one or more for aphids. Do not apply later than 3 days before harvest. This product may injure Cortland and McIntosh varieties in summer sprays.

GRAPES: For Leaf Hoppers, Spider Mites, Mealybugs - Use 1 tsp. in 1 gallon of water. Do not apply later than 3 days before harvesting. May cause injury to foliage of certain varieties. Check with local Agricultural Authorities.

CHERRIES: For Black Cherry Aphids and Fruit Tree Leaf Rollers - Mix 1 tsp. in 1 gallon of water and thoroughly spray trees. Do not apply later than 3 days before harvest. May injure foliage in some varieties.

PEARS: To control Codling Moth, Fruit Tree Leaf Roller, Pear Psylla, Plum Curculio, and Red-Banded Leaf Roller - Use 2 tsp. in 1 gallon of water. Do not apply later than 1 day before harvest. May injure Bosc pears under certain conditions in the Northeast.

PEACHES: For Spider Mites, Oriental Fruit Moth, and Plum Curculio - Mix 2 tsp. in 1 gallon of water. Spray when damage is first seen or is anticipated. Do not apply later than 7 days before harvest.

STRAWBERRIES: For the control of Spider Mites, and Aphids - Use 1 tsp. per gallon of water. Treat when insects first appear. Do not apply later than 3 days before harvest. **NOTE:** Do not apply when fruit is in bloom and bees are present. Plan on regular spray applications to fruit at 1 to 2 week intervals through the growing season to get best insect control.

PECANS: To control Spider Mites, Aphids, Pecan Nut Casebearer and Pecan Phylloxera - Dilute 2 teaspoonfuls per gallon of water and apply with a pressure sprayer. Treat when insects are first seen or their damage is anticipated. Follow a spray schedule.

RICE (FIELD) INSECT CONTROL

For control of Grasshoppers, Rice Stink Bug and Rice Leaf Miner, use 1 1/2 - 3 pt. Malathion 50 E.C. per acre. Use higher rate for rice leaf miner. Apply as a coarse spray in sufficient water (usually 3-20 gal./A., depending on equipment) for thorough coverage. Apply when wind is 5 MPH or below to avoid drift. Do not apply within 7 days of harvest.

CONDITIONS OF SALE AND WARRANTY

Our recommendations for use of this product are based upon tests believed to be reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, and handling not in strict accordance with the directions and precautions given herewith.

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