

34704-474

4/5/2001

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# MALATHION 8 AQUAMUL

## Organophosphate Insecticide

<b>ACTIVE INGREDIENT:</b>	<b>BY WT.</b>
Malathion (O,O-Dimethyl phosphorodithioate of diethyl mercaptosuccinate) .....	81.8%
<b>INERT INGREDIENTS:</b> .....	18.2%
<b>TOTAL</b>	<b>100.0%</b>

Contains 8 lbs. Malathion per gallon.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**DO NOT USE, POUR, SPILL,  
OR STORE NEAR HEAT OR OPEN FLAME.**

See Below For Additional Precautionary Statements

**EPA REG. NO. 34704-474  
EPA EST. NO. 279-CA-1  
NET CONTENTS 2½ GALS. (9.46 L)**

IHT EXP05Y00

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

### Personal Protective Equipment:

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.

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 statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with 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:
  - 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.

## STATEMENT OF PRACTICAL TREATMENT

**If Swallowed:** Call a physician or Poison Control Center immediately. Drink promptly a large quantity of milk, egg whites or gelatin solution, or, if these are not available large quantities of water. Avoid alcohol. Do not induce vomiting as it may cause aspiration pneumonia. 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:** 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.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-228-5635, EXT. 136, OR CALL COLLECT, 612-851-8180, EXT. 136.**

## 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 & CHEMICAL HAZARDS

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.

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. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. 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, waterproof gloves and shoes plus socks.

## STORAGE AND DISPOSAL

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

**STORAGE:** Store in cool, dry, well-ventilated area. Store separately from strong alkalies and strong oxidizers. Keep container tightly closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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:** Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Metal: 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.

**ACCEPTED**  
APR -5 2001

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under  
EPA Reg. No. 34704-474

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## APPLICATION THROUGH IRRIGATION SYSTEMS- CHEMIGATION

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move, flood (basin); furrow, border, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Mix in clean supply tank the recommended amount of this product for acreage to be covered, and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination noninjurious under your conditions of use.

Follow precautionary statements and directions for all tank-mixed products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues.

Meter this product into the irrigation water uniformly during the period of operation. Do not overlap application. Follow recommended label rates, application timing, and other directions and precautions for crop being treated.

Continuous mild agitation of pesticide mixture may be needed to assure a uniform application, particularly if the supply tank requires a number of hours to empty.

### CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

*Note: Platte Chemical Co does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.*

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreased to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

### SPRINKLER CHEMIGATION (FOLIAR SPRAY USES)

The system must contain a functional check valve vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

### FLOOD (BASIN), FURROW AND BORDER CHEMIGATION (SOIL DRENCH USES)

Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure of weir box to decrease potential for water source contamination from backflow if water flow stops.

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- f. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

### DRIP (TRICKLE) CHEMIGATION (SOIL DRENCH USES)

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

## DIRECTIONS FOR DILUTION

**DILUTE APPLICATION:** *Ground Application:* Apply specified rate in 20 to 60 gallons of water per acre. *Orchard Application:* Apply specified rate in 100 to 800 gallons of water per acre.

**CONCENTRATE APPLICATION:** *Ground Application:* Apply specified rate in not less than 5 gallons of water per acre. *Orchard Application:* Apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

**AIR APPLICATION:** Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre.

## APPLICATIONS

Do not use this product for any uses other than those specified on this label. When using in the greenhouse or stored grain facilities as recommended on the label, use

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only with adequate ventilation. After application, ventilate thoroughly before occupying enclosed spaces. All rates are for a dilute spray. All rates are per acre.

**ALFALFA, BIRDSFOOT TREFOIL, CLOVER, LESPEDEZA, LUPINE, VETCH:** Aphid, armyworm, grasshoppers, clover leaf weevil, leafhopper, spider mites - 1 1/4 to 2 pts. Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the fields or are not hanging on the outside of hives. Do not apply within 7 days of harvest. Rates of 1 1/4 to 1 1/2 pts. no time limitation. Rates over 1 1/2 pts. to 2 pts. do not apply within 7 days of harvest.

**ALFALFA, BIRDSFOOT TREFOIL, CLOVER, LESPEDEZA, LUPINE, VETCH (Seed Crops):** Aphid, leafhoppers, lygus bugs - 1 to 1 1/4 pts. May be applied day of harvest. Apply to plants in bloom only in the evening or early morning when bees are not working in the fields or are not hanging on the outside of hives.

**AMARANTH (Leafy Amaranth, Chinese Spinach, Tapaia), ARRUGULA (Rocket), CELTRUCE, CHERVIL, CHRYSANTHEMUM (Edible-leaved, Garland), CORN SALAD, DANDELIONS, DOCK (Sorrel), FLORENCE FENNEL, ORACH, PARSLEY, PURSLANE (Garden and Winter):** Aphid - 1 to 2 pts. Do not apply within 7 days of harvest for all crops except parsley which is 21 days.

**APRICOTS:** Aphid, codling moth, orange tortrix, soft brown scale, terrapin scale - 4 to 10 pts. Do not apply within 7 days of harvest. Full coverage spray.

**ASPARAGUS:** Asparagus beetle, thrips - 1 1/4 pt. Do not apply within 1 day of harvest.

**AVOCADOS:** Green house thrips, Latania scale, omnivorous looper, soft brown scale, orange tortrix - 4 to 9 pts. Do not apply within 7 days of harvest.

**BARLEY, OATS, RYE, WHEAT:** Aphid, cereal leaf beetle, grasshoppers, greenbugs - 1 1/4 pt. Do not apply within 7 days of harvest.

**BEANS (Dry & Succulent):** Aphid, cucumber beetle, Japanese beetle, leafhopper, lygus bug, Mexican bean beetle, mites - 1 1/4 to 1 1/2 pt. Do not apply within 1 day of harvest. Do not graze or feed treated crop foliage to livestock.

**BEETS (Garden & Table), DANDELIONS:** Aphid - 1 to 2 1/2 pts. Do not apply within 7 days of harvest.

**BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES:** Japanese beetle, leafhoppers, mites, thrips - 1 to 4 pts. Aphid, rose scale - 2 to 4 pts. Do not apply within 1 day of harvest.

**BLUEBERRIES:** Cherry fruit worm, cranberry fruit worm, Japanese beetle, plum curculio, sharp-nose leafhopper - 1 1/4 to 2 1/2 pts. Do not apply within 1 day of harvest.

**BROCCOLI, BROCCOLI RAAB (Rapini), BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, CAVALO BROCCOLO, CHINESE BROCCOLI, CHINESE CABBAGE (Bok Choy, Napa), CHINESE MUSTARD CABBAGE, COLLARDS, KALE, KOHLRABI, MIZUNA, MUSTARD GREENS, MUSTARD SPINACH, RAPE GREENS, TURNIPS:** Aphids, Cabbage looper, flea beetle, imported cabbageworm - 1 1/4 to 2 1/2. Do not apply with 7 days of harvest for all crops except broccoli which is 3 days.

**CARROTS:** Aphid - 1 to 2 pts. Leafhopper - 1 1/2 to 2 pts. Do not apply within 7 days of harvest.

**CELERY:** Aphid, spider mites - 1 to 1 1/2 pts. Do not apply within 7 days of harvest.

**CHERRIES:** Black cherry aphid, bud moth, cherry fruit fly, Forbes scale, fruit tree leaf roller, San Jose scale - 2 1/2 to 8 pts. Lesser peach tree borer - 4 to 8 pts. Do not apply within 3 days of harvest. May injure foliage of some varieties.

**CHESTNUTS:** Mites - 2 to 5 pts. No time limitation.

**CITRUS (Grapefruit, lemons, limes, oranges, tangerines (Mandarin or Mandarin Oranges, Tangors, and other hybrids of tangerines with other citrus) tangelos, kumquats):** Aphid, black scale, California red scale, citricola scale, Florida red and purple scale, soft scale, thrips, yellow scale - 7 to 25 pts. Mediterranean fruit fly - 1 to 8 pts. Do not apply within 7 days of harvest. Do not apply during full bloom.

**CORN:** Aphid, cereal leaf beetle, corn earworm (apply to silks as soon as they appear. Make 3 to 4 applications at 2-3 day intervals as infestations warrant, reapply immediately after rain), corn rootworm-adult, grasshoppers, sap beetle, thrips - 1 pt. Do not apply within 5 days of harvest. For grain or forage use.

**COTTON:** Aphid, boll weevil, cotton leaf perforator, cotton leafworm, leafhoppers, lygus bug, mites, thrips, white flies, tall armyworm, leafhopper, garden webworm, grasshopper - 1 1/2 to 4 pts. per acre. No time limitation.

**CUCUMBERS, MELONS, PUMPKINS, SQUASH:** Aphid, pickleworm, spider mites, thrips - 1 to 1 1/2 pts. Cucumber beetle - 1 1/4 pt. Do not apply within 3 days of harvest on pumpkins. 1 day of harvest on cucumbers, melons and squash. Do not

apply unless plants are dry.

**CURRENTS, GOOSEBERRIES:** Mites, Japanese beetle - 1 to 2 pts. Currant aphid, imported currantworm - 2 pts. Do not apply within 3 days of harvest on Gooseberries, 1 day of harvest on currants.

**EGGPLANT:** Aphid, spider mite - 3/4 to 3 1/2 pts. Lace bug - 2 to 3 1/4 pts. Do not apply within 3 days of harvest.

**ENDIVE:** Aphid, mites - 1 to 2 pts. Do not apply within 7 days of harvest.

**FIGS:** Dried fruit beetle, vinegar flies - 2 1/2 pts. plus 2 gals. unsulfurized molasses as a bait spray. Do not apply within 3 days of harvest.

**FLAX:** Grasshoppers - 1/2 pt. Do not apply within 45 days of harvest.

**GARLIC, LEEKS, SHALLOTS:** Aphids, thrips - 1 to 2 pts. Do not apply within 3 days of harvest of leeks and garlic, and 7 days of harvest of shallots.

**GRAPES:** Drosophila, Japanese beetle, leafhopper, mealybugs, spider mite, terrapin scale - 2 to 2 1/2 pts. Do not apply within 3 days of harvest. Caution - May cause injury to foliage on some varieties.

**GRASS, GRASS HAY:** Aphid, armyworm, grasshopper, leafhopper - 1 1/4 pt. No time limitation.

**HOPS:** Aphid - 3/4 to 1 1/4 pt. Do not apply within 7 days of harvest.

**HORSERADISH, SALSIFY, SPINACH, SWISS CHARD, WATERCRESS:** Aphid - 1 to 2 pts. Do not apply within 7 days of harvest.

**LENTILS:** Aphid - 1 pt. Do not apply within 3 days of harvest. Do not graze or feed treated crop foliage to livestock.

**LETTUCE:** Aphid, leafhopper - 1 1/4 to 2 pts. Cabbage looper, mites - 2 pts. Do not apply within 14 days of harvest on leaf lettuce, 7 days of harvest on head lettuce.

**MACADAMIA NUTS:** Green stink bug - 3 to 15 pts. No time limitation.

**MANGO, PASSION FRUIT, GUAVA:** Fruit flies - 3/4 pt. plus 1 lb. partially hydrolyzed yeast protein or enzymatic yeast hydrolyzate. Do not apply within 2 days of harvest.

**OKRA:** Aphid, Japanese beetle - 1 1/4 pt. Do not apply within 1 day of harvest.

**ONIONS (Bulb and Green) (Field or Greenhouse):** Thrips - 1 to 2 pts. Onion maggot - 2 pts. Do not apply within 3 days of harvest.

**PARSLEY, PARSNIPS, RADISHES, RUTABAGAS:** Aphid - 1 to 2 pts. Do not apply within 21 days of harvest on parsley, 7 days of harvest on parsnips, radishes. 3 days of harvest on rutabagas.

**PEACHES, NECTARINES:** Aphid (green peach, black cherry, black peach, rusty plum), Japanese beetle, mites (European red, two-spotted) - 2 1/2 to 9 pts. Cottony peach scale, lesser peach tree borer, plum curculio, oriental fruit moth, terrapin scale - 5 to 9 pts. Do not apply within 7 days of harvest. Full coverage spray.

**PEACHES (Dormant and delayed dormant):** Aphid, peach twig borer, scale (San Jose) - 4 to 9 pts. plus 6-8 gals. Super 94 440 Spray Oil. Use lower rate of Super 94 440 Spray Oil at delayed dormant and concentrate spray.

**PEAS:** Aphid, pea weevil - 1 to 2 1/2 pt. Do not apply within 3 days of harvest. Do not graze or feed treated crop foliage to livestock.

**PECANS:** Aphid, mites, pecan bud moth, pecan leaf casebearer, pecan nut casebearer, pecan phytoxaera - 2 1/2 to 12 1/2 pts. No time limitation.

**PEPPERS:** Aphid - 3/4 to 1 1/2 pts. Maggots - 1 1/2 pts. Do not apply within 3 days of harvest.

**PEPPERMINT, SPEARMINT:** Adult flea beetle, aphid, leafhoppers, spider mite - 1 pt. Do not apply within 7 days of harvest.

**PINEAPPLE:** Mealybug - 5 pts. Do not apply within 7 days of harvest.

**POTATOES:** Aphid, false chinch bug, leafhopper, mealybug - 1 to 3 pts. No time limitation.

**RICE:** Rice leaf miner, rice stink bug - 1 1/2 pts. Do not apply within 7 days of harvest. Broadcast use only over intermittently flooded areas. Application may not made around bodies of water where fish or shellfish are grown and/or harvested commercially.

**SORGHUM (Grain or Forage):** Greenbugs - 1 1/4 pts. Do not apply within 7 days of harvest. Do not graze or feed forage to livestock.

**STRAWBERRIES:** Aphid, field crickets, lygus bugs, potato leafhopper, spider mite, spittlebug, strawberry leafroller, strawberry root weevil, thrips, white flies - 1 to 2 pts. Do not apply within 3 days of harvest.

**SWEET CORN (Field or Greenhouse):** Japanese beetle - 1 pt. Do not apply within 5 days of harvest.

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**SWEET POTATOES:** Leafhoppers - 1 to 1½ pts. Morning Glory leafminer - 1½ pts. Do not apply within 3 days of harvest.

**TOMATOES:** Aphid, spider mite - 1 to 2 pts. Drosophila, tomato russet mite - 1½ to 3½ pts. armyworm, fruit worms - 3½ pts. Do not apply within 1 day of harvest at the 1 to 2 pt. rate. Rates over 2 pts. to 3½ pts. do not apply within 5 days of harvest.

**WALNUTS:** Aphid, mites, walnut husky fly - 4 to 12½ pts. No time limitation.

### ORNAMENTALS

Note: Before treating a large number of ornamental plants with MALATHION 8 AQUAMUL alone or as a tank mixture with any other material, make a test application on a few plants and observe 7-10 days prior to treating large areas to reduce the possibility of plant injury.

CROP	REI (HRS)	RATE	PESTS	COMMENTS
FLOWERS, SHADE TREES And SHRUBS	12	1 pt. in 100 gals. of water as a dilute spray	Aphids, Euonymus Scale, European Pine Shoot Moth, Four-lined Leaf Bug, Japanese Beetle Adults, Lace Scale, Mealybugs, Millipedes, Oyster Shell Scale, Potato Leafhopper, Rose Leafhopper, Scurfy Scale, Spider Mites, Springtails, Sowbugs, Tarnished Plant Bug, Thrips, Whiteflies	<b>CAUTION:</b> Avoid use on certain ferns including Boston, Maidenhair and Pteris, as well as some species of Crassula and Canaëth Juniper. For Oyster shell, Fletch, Juniper, Oak kermes and Pine needle scales apply when scale crawlers have settled on foliage.
		1¼ pints in 100 gals. of water as a dilute spray	Azalea Scale, Bagworm, Birch Leafminer, Boxwood Leafminer, Fletch Scale, Florida-Red Scale, Juniper Scale, Magnolia Scale, Oak Kermes, Pine Leaf Scale, Tent Caterpillar	
		1½ pts. in 100 gals. of water	Black Scale Crawler, Monterey Pine Scale	
		2¼ pts in 100 gals of water	Pine Needle Scale, Wax Scale	

### SLASH PINE, PINE SEED ORCHARDS, AND CHRISTMAS TREE PLANTATIONS

CROP	REI (HRS)	RATE	PESTS	COMMENTS
SLASH PINE, PINE SEED ORCHARDS, And CHRISTMAS TREE PLANTATIONS	12	For ground application, mix ¾ to 4/5 gals. of MALATHION 8 AQUAMUL in 100 gals. of water	Slash Pine Flower Thrips, European Pine Sawfly	Apply ¾ gals. of the mixture per tree on the smallest flowering trees. Mist blowers or airblast sprays may be used.
		For air application, mix 2/5 gals. of MALATHION 8 AQUAMUL in at least 5 gals. of water		Apply a minimum of 5 gals. of mixture per acre. Make two applications, the first when female flowers are in twig bud stage, the second one week prior to maximum flower receptivity to pollen.

### MOSQUITO CONTROL

**MOSQUITOES, FLIES, AND SMALL FLYING INSECTS:** For use by trained personnel as a 2% to 5% Malathion fog, aerosol or space spray. To make a 2% solution dilute 1 part MALATHION 8 AQUAMUL in 45 parts water fuel oil or diesel oil. When using a kerosene-type solvent as a carrier, dilute 1 part MALATHION 8 AQUAMUL in 45 parts solvent consisting of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent. Apply 0.58-2.86 gallons finished spray per acre. For a 5% solution, dilute 1 part MALATHION 8 AQUAMUL in 18 parts solvent. Apply 0.24-1.18 gallons finished spray per acre.

### MOSQUITO LARVAE IN STANDING WATER

(Only for use in intermittently flooded areas, stagnant water, temporary rail ponds, and log ponds - KEEP OUT OF ANY FISH BEARING WATERS): Apply MALATHION 8 AQUAMUL at the rate of 8 fluid ounces per acre. Mix in sufficient water or oil to obtain even coverage when applied by air or ground equipment. Repeat applications as necessary. Avoid applying oil-based formulations to valuable ornamental plants as injury may occur. Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shell fish are grown and/or harvested commercially.

### AROUND THE OUTSIDE OF BUILDINGS

(Around buildings which house domestic animals, around homes, yards, commercial and industrial buildings, agricultural buildings, out-door garbage cans, compost/compost piles, garbage dumps, and cull fruit and vegetable dumps): Apply 1 gallon of MALATHION 8 AQUAMUL undiluted per 1000 sq. ft. on painted surfaces. Apply 2 gallons of MALATHION 8 AQUAMUL undiluted per 1000 sq. ft. on unpainted surfaces where flies alight or congregate. In most cases, adding molasses or sugar to the spray prolongs the insecticidal activity of Malathion and serves as a fly attractant.

**CAUTION:** Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and food products, also drinking fountains and feed troughs.

### SMALL GRAIN STORAGE FACILITIES

For a residual wall, floor, and machinery spray in grain elevators. In treating truck beds, box cars, and ships' holds before loading grain, apply 5 pts. per 25 gallons of water making thorough application. Before applying spray, clean elevators, box cars, etc. thoroughly. Remove and burn all sweepings and debris. Only corn, wheat, rye, oats and barley grain storage facilities may be treated.

### DROSOPHILA FLY AND DRIED FRUIT BEETLE CONTROL ON OR AROUND CULL FRUIT AND VEGETABLE DUMPS

Mix 7 ½ pints in 100 gallons of water. Apply as a drench, using 8 to 10 gallons of spray per 100 sq. ft. For best results, dumps should not be over 18 inches deep. Do not feed treated fruit and vegetables.

### FLY CONTROL

STRAIGHT MALATHION SPRAYS		MALATHION BAIT SPRAYS			
AMOUNT OF SPRAY	AMOUNT MALATHION 8 AQUAMUL	AMOUNT OF BAIT SPRAY	AMOUNT MALATHION 8 AQUAMUL	SUGAR (or)	UNSULFURIZED MOLASSES/CORN SYRUP
2½ gals.	¾ cup	2½ gals.	¾ cup	1 cup	1 cup
12 gals.	1¼ pts.	12 gals.	1¼ pts.	2½ lbs.	1 qt.
100 gals.	1¼ gals.	100 gals.	1¼ gals.	20 lbs.	2 gals.

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**MALATHION 8 AQUAMUL**  
**EPA REG. NO. 34704-474**

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