



MALATHION 8 EMULSIVE INSECTICIDE

(Contains 8 lbs. Malathion per gallon) Contains CYTHION the Premium Grade Malathion.

GENERAL DIRECTIONS

May be applied by ground, dilute or concentrate, or by air, unless otherwise indicated. Compatible with commonly used pesticides except those which are highly alkaline, such as Lime and Bordeaux mixture.

Apply recommended amount of product in gallons water per acre listed below unless otherwise noted: **GROUND APPLICATION:** Vegetable and field crops - 30 to 250 gallons. Cotton - 5 to 20 gallons. Deciduous fruit and nut crops - 40 to 800 gallons. Citrus - 40 to 3000 gallons. Grapes - 15 to 250 gallons. (On young fruit plantings - minimum of 15 gallons water per acre) **AIR APPLICATION:** Field crops - 5 to 10 gallons. Orchard crops - 10 to 20 gallons. Use Spreader Sticker at the following rates: Ground (Dilute) 1/8 to 1/2 pint per 100 gallons. Ground (Concentrate) - 1-1/2 to 2 pints per 100 gallons. Air 1/8 to 3-3/4 pints per 100 gallons.

RECOMMENDATIONS: May be used up to the maximum permissible rate per acre, expressed as Malathion 8 Emulsive and given in parentheses, (), after each crop claim.

USE DIRECTIONS

ALFALFA, CLOVER: Aphids, Leafhoppers, Lygus Bugs, Grasshoppers, Spittlebug, Alfalfa weevil larvae - 1 to 1-1/2 pints per acre. No time limitation. (1.5 pints)

APPLES: Codling moth, Plum curculio, Red-banded leaf roller - 1-1/4 pints per 100 gallons or 5 to 10 pints per acre. Bud moth, Forbes scale, Woolly aphid - 2/3 pint per 100 gallons or 2-2/3 pints to 6 pints per acre. Green apple aphid, Rosy apple aphid - 1 pint per 100 gallons or 4 to 8 pints per acre. Malathion 8 Emulsive may cause injury to McIntosh and Cortland varieties. Do not apply within three days of harvest. (15 pints)

BEANS: Mexican bean beetle, Japanese beetle, Aphids, Cucumber beetle - 1 to 1-3/4 pints per acre. Lygus bugs (dry beans) - 1 to 1-3/4 pints per acre. Do not apply within one day of harvest. (1.75 pints)

BEETS: Aphids - 1 to 1-1/4 pints per 100 gallons or 1 to 2.5 pints per acre. Do not apply within seven days of harvest. (2.5 pints)

BLACK-EYED PEAS: Mexican bean beetle, Japanese beetle, Aphids, Cucumber beetle - 1 to 1-1/4 pints per 100 gallons or 1 to 2.5 pints per acre. Do not apply within three days of harvest. (2.5 pints)

BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, DANDELION, KALE, KOHLRABI, MUSTARD GREENS, PARSLEY, SWISS CHARD, TURNIPS, WATERCRESS: Aphid, Flea beetle (on Mustard Greens only), Imported cabbage worm, cabbage loopers, Salt Marsh Caterpillars, Harlequin cabbage bug (on Collards only) - 1 to 1-1/2 pints per 100 gallons or 1 pint up to maximum on a per acre basis. Do not apply within three days of harvest on Broccoli or Turnips. 21 days on Parsley; seven days on the other crops (3 pints - Turnips; 2 pints - Kohlrabi, Parsley, Swiss Chard, Watercress; 2.5 pints on the other crops).

CARROTS: Aphids, Leafhoppers - 1 to 1-1/2 pints per 100 gallons or 1 to 2 pints per acre. Do not apply within seven days of harvest. (2 pints)

CELERY: Aphids - 1 to 1-1/2 pints per acre. Do not apply within seven days of harvest. (1.5 pints)

CITRUS (Grapefruit, Kumquats, Lemons, Lime, Oranges, Tangerines, etc.): Citrus Yellow, Purple, Black Spot, Citrus Red, etc. - 2 to 3 pints per 100 gallons water or 5 to 25 pints per acre. Thrips - 3/4 to 1-1/2 pints per acre. Do not apply during full bloom nor within seven days of harvest. Workers are not to enter treated area to engage in any activity requiring substantial contact with treated foliage until 24 hours after application (25 pints)

COTTON: Aphid, Leafhoppers, White Flies, Thrips, Lygus bugs, Brown cotton leafworm, Cotton Leaf perforator, Cotton leafworm - 1 to 4 pints per acre. No time limitation. (4 pints)

(continued in middle column)

ACTIVE INGREDIENT	BY WEIGHT
Malathion (0,0-Dimethyl dithiophosphate of diethyl mercaptosuccinate)	80%
INERT INGREDIENTS	20%
EPA Reg. No. 11656-7	TOTAL 100%

CAUTION:

KEEP OUT OF REACH OF CHILDREN!

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH CAUTIONS, WARNINGS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

CAUTION: Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Avoid contamination of feed and foodstuffs. Highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

NOTE TO PHYSICIAN: Malathion may cause cholinesterase inhibition. Atropine is antidotal.

COWPEAS: Mexican bean beetle, Spider mite, Japanese beetle, Aphids, Cucumber beetle - 1 to 1.25 pints per acre. No time limitation. (1.25 pints)

CUCUMBERS, SQUASH (Winter, Summer): Aphids, Cucumber beetles - 1 to 1.75 pints per acre. Do not apply within one day of harvest. (1.75 pints)

GARLIC: Aphids, Thrips - 1.5 to 2 pints per acre. Do not apply within three days of harvest. (2 pints)

GRAINS (Barley, Oats, Rye, Wheat): Cereal leaf beetle, Grasshoppers, Greenbugs - 0.6 to 1.25 pints per acre. Aphids, Armyworms - 1 to 1.25 pints per acre. Do not apply within seven days of harvest. (1.25 pints)

LETTUCE: Aphids, Leafhoppers - 1.25 pints per acre. Cabbage loopers - 2 pints per acre. Do not apply to head lettuce within seven days of harvest or to leaf lettuce within 14 days of harvest. (2 pints)

NECTARINES: Mites Plum curculio, Codling moth, Oriental fruit moth, Forbes scale - 1.25 pints per 100 gallons water or 5 to 10 pints per acre. Apply for thorough coverage. Do not apply within seven days of harvest. Workers are not to enter treated area to engage in any activity requiring substantial contact with treated foliage until 24 hours after application. (10 pints)

PEPPERS: Aphids, Pepper maggots - 1 to 1.5 pints per acre. Do not apply within three days of harvest. (1.5 pints)

QUINCE: Plum curculio, Codling moth, Oriental fruit moth, Forbes scale - 1.25 pints per 100 gallons water or 5 to 15 pints per acre. Do not apply within three days of harvest. (15 pints)

RICE: Rice leaf miner - 1.5 pints per acre. Make first application shortly after the first rice plants appear on the surface of the water. Do not apply within seven days of harvest. (1.6 pints)

SORGHUM: Greenbug - 0.6 to 0.9 pint per acre. Do not apply within seven days of harvest or forage use. (0.9 pint)

SPINACH: Aphids, Leafhoppers, Thrips - 1 to 2 pints per acre. Do not apply within seven days of harvest. (2 pints)

(continued in column on right)

STRAWBERRIES: Aphids, Leafhoppers, Thrips - 1 to 2 pints per acre. Do not apply within three days of harvest (2 pints).

TOMATOES: Aphids, Drosophila - 1.25 to 2 pints per acre. Do not apply within 1 day of harvest (2 pints) (California only) Aphids, Mites, Army worms, Fruitworms - 3 to 3.5 pints per acre in 30 to 100 gallons water by ground; 8 to 20 gallons water by air. Do not apply within 5 days of harvest (3.5 pints) In California, do not apply within 3 days of harvest.

NON-AGRICULTURAL LAND (Ditchbank, wasteland, idle land, etc.): Grasshoppers - 2 pints per acre. (2 pints)

STORED GRAINS (Protection of stored grains wheat, oats, rice, corn, rye, barley, grain sorghum): Confused flour beetle, Rice weevil, Granary weevil, Saw-toothed grain beetle, Flat grain beetle, Red flour beetle, Rusty grain beetle, Lesser grain borer, Indian meal moth, Cereal leaf beetle. **Residual Spray - before storing grains:** Residual wall, floor and machinery spray in grain elevators, treatment of truck beds, box cars and ships' holds before loading grain - 5 pts. per 25 gals. water making thorough application. Before applying spray, clean elevators, box cars, etc., thoroughly. Remove and burn all sweepings and debris. **Grains going into storage:** 0.6 pt. in 2 to 5 gals. water per 1000 bushels. Apply as the grain is being loaded or loaded into final storage. **After grains are stored:** To protect stored grains from attack by Indian meal moth, apply Malathion 8 Emulsive to the surface of clean or uninfested grain at the rate of 0.3 pt. in 1-2 gals. water per 1000 sq. ft. of grain surface area. Apply spray evenly over the surface of the grain. Apply immediately after grain is loaded into storage and repeat if necessary. **Residual Spray - box cars for loading and transporting bagged flour and packaged cereals:** Confused flour beetle, Rice Weevil, Granary weevil, Saw-toothed grain beetle, Flat grain beetle, Red flour beetle, Rusty grain beetle, Lesser grain borer, Indian meal moth and Mite pests infesting empty box cars into which bagged flour and packaged cereals are to be loaded and transported. Apply Malathion 8 Emulsive as follows: (1) Clean the box car thoroughly, then remove and burn all sweepings and debris. (2) Spray walls and floor to the point of run-off with 5 pts. Malathion 8 Emulsive either in 25 gals. water or in 19 gals. deodorized kerosene. (The deodorized kerosene solution should be made up of 14 parts kerosene-type solvent plus one part aromatic hydrocarbon-type solvent.) (3) Let the sprayed box car stand empty with the doors open until the spray has thoroughly dried. (4) Line the walls and floor of the box car with kraft paper before loading. Post-harvest storage treatment only.

ALMONDS (In shell almonds going into storage): Indian meal moth, Merchant grain beetle - 2.5 ozs. per 10,000 lbs. of in shell almonds. Apply as a coarse spray to almonds as they go into storage.

Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place away from water supplies. If the container is a drum, do not reuse, return to drum reconditioner or destroy by perforating or crushing and burying in a safe place away from water supplies. Dispose of containers in accordance with local, state or federal recommendations.

ENVIRONMENTAL CAUTIONS

This product is toxic to shrimp, crab, and fish, keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

NOTICE OF WARRANTY

WESTERN FARM SERVICE, INC. MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of one product under normal conditions in accord with the statements made on this label.

NET CONTENTS: 5 GALLONS

WESTERN FARM SERVICE, INC., 2401 Crow Canyon Road, SAN RAMON, CA. 94583