

UAP

MALATHION 8EC

INSECTICIDE

CLEAN CROP®

Organophosphate Insecticide

ACTIVE INGREDIENTS:

Malathion* 81.27%

INERT INGREDIENTS** 18.73%

TOTAL 100.00%

Contains 8 lbs. malathion per gallon.

*O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate

**Contains xylene range aromatics.

EPA REG. NO. 34704-119

EPA EST. NO.

IHT

12Y99

KEEP OUT OF REACH OF CHILDREN**CAUTION****PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS****Harmful by swallowing, inhalation or skin contact. Avoid Breathing Spray Mist • Avoid Contact With Skin • Change Contaminated Clothing**

Harmful if Swallowed. Avoid contact with skin. Avoid breathing of spray mist. Keep out of reach of children. 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.

For use in empty grain storage facilities and mushroom houses:

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.

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.

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. 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.

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.

DIRECTIONS FOR USE

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

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 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.

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.

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.

Do not allow contact with treated surfaces 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: 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. Personnel should use clothing and equipment consistent with good pesticide handling.

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: 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. **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.

Apply when pests first appear and repeat as necessary to maintain control. Apply the following recommended rates in sufficient water to thoroughly cover one acre. By ground, apply a minimum of 200 gallons per acre on stone fruits and nuts; a minimum of 200 gallons per acre on bush and vine fruits and a minimum of 2 gallons per acre on vegetable and field crops and a minimum of 20 gallons per acre on small fruits and tree crops. Use the designated amount in 100 gallons of water unless otherwise specified. Do not use in undiluted form.

CHEMIGATION:

Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

RECOMMENDATIONS FOR USE

ALFALFA and CLOVER: Use 1 ½ pts. per acre to control Aphids, Leafhoppers, Grasshoppers, Spider Mites, Lygus Bugs, Spittlebug, Alfalfa Weevil Larvae and Armyworms. For Spotted Alfalfa Aphid use ¼ to 1 pint per acre by ground equipment and 1 to 1 ½ pints per acre by airplane. Do not apply on alfalfa and clover in bloom. No time limitation.

APRICOTS, AVOCADOS, CHERRIES, FIGS, NECTARINES, PEACHES, PECANS: Use 1-1 ½ pints to control Aphids, Thrips, Spider Mites, Mealybugs, Codling Moth, Eye-Spotted Bud Moth and Orange Tortrix. For control of Dried Fruit Beetles and Vinegar Flies on figs apply 2 ½ pts. plus 1 to 2 gals. of unsulfured molasses per acre. For Scale on peaches apply to completion of hatching, about last of June. For Cherry Fruit Fly repeat application every 10 days. Injury may occur to certain varieties of sweet cherries particularly in the Northwest, and fruit spotting may occur on nectarines. Do not apply within 3 days on cherries and figs; within 7 days on apricots, avocados, nectarines and peaches. No limitation on pecans.

BETS (Garden and Table), RADISHES, DANDELIONS, EGGPLANT, EN- DIVE, GARLIC, HORSERADISH, LEEKS, PARSLEY, PARSNIP, PEPPERS, SALSIFY, SHALLOTS, SPINACH, SWISS CHARD and WATER- CRESS: Use ½-1 pint per acre to control Aphids, Spider Mites, Thrips, Leafhoppers, Pea Weevil and Mexican Bean Beetle. Do not apply within 3 days on garlic, eggplant, leeks, peas, peppers and shallots; within 7 days on beets, dandelions,

endive, parsnips, salsify, swiss chard, spinach, watercress and within 21 days on parsley.

BEANS (Dry and Succulent): For the control of Aphids, Spider Mites, Thrips, Leafhoppers, Asparagus Beetle, Pea Weevil and Mexican Bean Beetle use 1 to 1 1/2 pints per acre by ground or air application. Do not apply within 1 day of harvest. Do not graze or feed treated crop foliage to livestock.

BERRIES: CANEBERRIES (Blackberries, Boysenberries, Dewberries, Loganberries and Raspberries), CRANBERRIES and STRAWBERRIES: Use 1 1/2 to 2 pts. per acre to control Aphids, Thrips, Spider Mites, Whiteflies, Leafhoppers, Rose Scale, Lygus Bugs, Spittlebugs, Leafrollers, Blackheaded Fireworms. Do not apply within 3 days of harvest on cranberries and strawberries and within 1 day on caneberries.

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, KALE, MUSTARD GREENS, TURNIPS: Use 1 to 2 pts. per acre to control Aphids, Imported Cabbageworm and Cabbage Looper. Do not apply within 7 days of harvest on brussels sprouts, cabbage, kale, mustard greens and within 3 days on broccoli and turnips.

CELERY and CUCUMBERS: Use 1 1/2 pts. per acre to control Aphids, Spider Mites, and Cucumber Beetle. Do not apply within 7 days of harvest on celery or within 1 day of harvest on cucumbers.

CITRUS: (GRAPEFRUIT, LEMONS, LIMES, ORANGES, TANGERINES, TANGELOS and KUMQUATS): Use 1 to 2 pts. per 100 gals. of water to control Aphids and Scale Crawlers. Use 2 1/2 pts. per 200 gals. of water to control Thrips. Do not apply when trees are in bloom. Do not apply within 7 days of harvest.

CORN: Aphids, Corn Rootworm Adults, Sap Beetles, Thrips, Young Grasshoppers: Use 1-1 1/4 pts. per acre. Do not apply within 5 days of harvest or forage use. Caution: injury may occur in the whorl and silk stages with emulsifiable liquids.

COTTON: Use 1 pt. per acre to control Cotton Aphid, Leafhoppers, White Flies, Cotton Leaf Perforator, Cotton Leafworm, Thrips and Lygus Bugs. No time limitation.

GRAPES: Use 1 to 2 1/2 pts. per acre to control Grape Leafhoppers, Mealybugs and Spider Mites. Injury may occur to Ribier, Italia, Cardinal and Almeria grape varieties when Malathion is applied after the clusters appear. Do not apply within 3 days of harvest.

GRASS: Grass hay Pastures and Rangeland (barn grass, canary grass, fescue, orchard grass, red top, timothy and yellow foxtail): Aphids, Leafhoppers: Use 1-1 1/4 pt. Repeat application as necessary. Apply up to and including one day of harvest on grasses.

LETTUCE (Head and Leaf): Use 1 to 2 pts. per acre to control Aphids and Leafhoppers. Do not apply within 7 days of harvest on head lettuce and within 14 days on leaf lettuce.

MUSHROOMS (Greenhouses): Use 1 1/2 pts. per 130 gals. of water per acre or 1 1/4 tbsp. in 3 gals. water per 1000 sq. ft. of bed to control Spider Mites, Phorid Flies and Sciarid Flies. Make thorough applications as soon after picking as possible. Repeat applications as necessary, usually twice a week. Do not apply within 1 day of picking.

ONIONS: Use 1 1/2 to 2 pts. per acre to control Thrips and Adult Onion Maggot Flies. Do not apply within 3 days of harvest.

PASTURE AND RANGELAND: Aphids, Grasshoppers, Leafhoppers: Use 1 1/4 pt. per acre in sufficient water for good coverage. Or use 1 1/4 pt. in 1 gallon of diesel fuel oil per acre by means of an airplane or a turbine-blower type sprayer. May be applied on day of harvest or grazing.

PEAS: Use 1/2 to 1 pint per acre to control Aphids. Do not apply within 3 days of harvest. Do not graze or feed treated crop foliage to livestock.

PEPPERS: Aphids, Pepper Maggot: Use 1 1/2 pts. per acre. Do not apply within 3 days of harvest.

POTATOES: Aphids, Blister Beetles, False Chinch Bugs, Leafhoppers, Mealybugs: 1 to 3 pts.

RICE: Grasshoppers, Rice Stink Bug: Use 10 ozs. per acre. Rice Leaf Miner: Use 1 1/4 pts. per acre. Do not apply within 7 days of harvest. Tadpole Shrimp (California only): 2 pts. Restrict water spill from the treated fields for 48 hours following application. 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.

SMALL GRAINS (Barley, Oats, Rye, Wheat): Armyworms, English Grain Aphids, Grasshoppers, Greenbugs: Use 1 to 1 1/4 pt. Do not apply within 7 days of harvest.

SQUASH: For control of Aphids, Leafhoppers, Pickleworm, Spider Mites, Cucumber Beetles, use 1 1/2 to 1 3/4 pints per acre by ground or air application. Do not apply within 1 day of harvest.

TOMATOES: Aphids, Spider Mites: Use 1 1/2 pts. per acre. Drosophila Flies: Use 2 pts. per acre in full coverage application to fruit and foliage. Do not apply within 1 day of harvest. At rates over 2 pts. up to 3 1/2 pts. do not apply within 5 days of harvest. California Only: These higher rates may be applied up to 3 days of harvest.

FLY CONTROL: For use outside around buildings which house domestic animals, around homes, around yards and meat processing plants. Apply spray at rate of 1 gal. per 1,000 sq. ft. on paint surfaces and 2 gals. per 1,000 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.

**STRAIGHT
MALATHION SPRAYS**

Amount of Spray	Amount MALATHION 8EC	Amount of Bait Spray	Amount MALATHION 8EC	Sugar (or)	Unsulferized Molasses or Corn Syrup
2 1/2 gals.	3/4 cup	2 1/2 gals.	3/4 cup	1 cup	1 cup
12 gals.	1 1/4 pts.	12 gals.	1 1/4 pts.	2 1/2 lbs.	1 qt.
100 gals.	1 1/4 gals.	100 gals.	1 1/4 gals.	20 lbs.	2 gals.

MALATHION BAIT SPRAYS

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

DROSOPHILA FLIES AND DRIED FRUIT BEETLES: On or around cull fruit and vegetable dumps, mix 7 1/2 pts. in 100 gals. of water and apply as a drench, using 8-10 gals. of spray per 100 sq. ft. (for best results dumps should not be over 18" deep). Do not feed treated fruit and vegetables.

MOSQUITO LARVAE: Apply 8 fluid ozs. per acre to standing water (intermittently flooded areas, stagnant water, temporary rain pools).

ADULT MOSQUITO and FLY CONTROL: Apply 7.2 to 9.6 fluid ozs. per acre for control of Adult Flies and Mosquitoes. Repeat as necessary. Can be applied to alfalfa, clover, pasture and range grass, grass hay, barley, oats, rye, wheat, beans, rice, and non-agricultural lands. Do not apply within 7 days of harvest on barley, oats, rye, wheat and rice; 5 days of harvest on corn; 1 day of harvest on beans. No time limitation on alfalfa, clover, pasture and range grass, grass and grass hay. Do not apply to alfalfa and clover in bloom. Do not use on seed alfalfa. Treat shrubbery and vegetation where mosquitoes may result. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated.

MALATHION 8EC can be applied as an ultra low volume spray. To be applied only by trained personnel of Public Health Organizations, Mosquito Abatement Districts, Public Mosquito Control Programs and Professional Pest Control Operators. Repeat applications should be made as necessary unless otherwise specified.

Undiluted spray droplets of Malathion will permanently damage automobile paint. Cars should not be sprayed. If accidental exposure does occur, the car should be washed immediately.

FLOWERS, ORNAMENTALS AND SHADE TREES: Follow general directions using 1 pint per 100 gallons of water in hydraulic sprayers or 1 gallon per 100 gallons in a mist blower (follow mist blower's manufacturer's directions for dilutions based on hydraulic sprayer recommendations): Aphids on elms, linden, maple; European Pine Shoot Moth on pines; Japanese Beetle (adults) on roses, flowers, flowering ornamentals; Leaf Hoppers on hawthorn, poplar, willow; Mealybugs and White Flies on azalea, rhododendron, laurel, andromeda, taxus; Thrips (exposed) on roses and flowers; Tarnished Plant Bug on ornamental fruit trees and flowers; Sawflies on ash, larch, pines, spruce; Lacebug on rhododendron, azalea, sycamore. Use 1 1/4 pints per 100 gallons for the following insects: Leaf Miner on birch, boxwood (apply early to mid-May). Repeat in 10 days; Tent Caterpillars on Flowering ornamentals. Apply when scale crawlers appear on the following ornamentals: Oak Kermes on oak, Fletcher Scale on taxus, juniper, arborvitae; Florida Juniper Scale on ornamental evergreens; Euonymus Scale on pachysandra; Pine Needle Scale on pines.

GRAIN STORAGE: Use MALATHION 8EC Insecticide in wheat, corn, oats, barley, and rye storage facilities to protect against confused flour beetles, rice weevil, grainy weevil, sawtoothed grain beetle, lesser grain borer and as an aid in control of Indian mealmoth. For a residual wall, floor, and machinery spray in grain elevators, before loading grain, apply 5 pts. of this material per 25 gallons of water making thorough application. Before applying spray, clean elevators and box cars thoroughly. Remove and burn all sweepings and debris. Do not apply directly to grain.

NOTICE

IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE, THE MANUFACTURER OR SELLER. IN NO CASE SHALL PLATTE, THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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FORMULATED FOR PLATTE CHEMICAL CO.