

[239-1335]

EPA Est. 239 MO-1 No 000757 SA



ORTHO

Malathion 8 Flow Concentrate

(INSECTICIDE)

Active Ingredient	By Wt.
Malathion*	81%
Inert Ingredients	19%
*O,O-dimethyl dihiophosphate of diethyl mercaptosuccinate	
Contains 8 lbs. Malathion per gallon.	

CAUTION: KEEP OUT OF REACH OF CHILDREN.



READ THE LABEL

CAUTION: Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin. Wash thoroughly after using. Do not store or transport near feed or food.

Note to Physicians: Emergency Information—call (415) 233 3737. Atropine is antidotal. Do not use in edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. **DO NOT USE. POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.**

Highly toxic to fish. Do not contaminate any body of water. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning or equipment or disposal of wastes.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

NET CONTENTS _____ LIQUID

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

KEEP PESTICIDE IN ORIGINAL CONTAINER. DO NOT PUT CONCENTRATE OR DILUTE INTO FOOD OR DRINK CONTAINERS. WASH AND DESTROY CONTAINER WHEN EMPTY. NEVER REUSE.

STORE IN COOL, DRY PLACE

DIRECTIONS

1/2 pint ORTHO Malathion 8 Flow Concentrate is equal to 2 pounds of ORTHO Malathion 25 Wettable.

USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED:

GROUND APPLICATION—Vegetable and Field Crops—30 to 250 gals. Cotton—3 to 20 gals. Deciduous Fruit Crops—60 to 800 gals. Citrus—400 to 3,000 gals. (On Young Fruit Plantings—Use a minimum of 15 gals. water per acre).

Where Recommended for AIR APPLICATION—Field Crops—3 to 10 gals. Orchard Crops—10 to 20 gals.

Apply Thorough. Full-Coverage Spray. Repeat as necessary unless otherwise specified.

ALFALFA: Grasshoppers, Aphids (including Spotted Alfalfa Aphid), Lygus Bugs, Leafhoppers, Spider Mites, Alfalfa Weevil Larvae, Spittlebugs; Vetch Bruchids on Alfalfa—1 to 1 1/2 pts. per acre in water to cover. Armyworms—1 1/2 pts. per acre in water to cover. 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 the outside of hives. May be grazed or harvested on day of application.

ALFALFA, LADINO CLOVER, VETCH (SEED CROPS ONLY): Aphids, Spider Mites, Leafhoppers—1 to 1 1/4 pts. in water to cover 1 acre.

APPLES: Codling Moth, Plum Curculio, Red Banded Leafroller—1 1/4 pt. per 100 gals. water. For Codling Moth and Plum Curculio, apply at petal fall and every 10 to 14 days thereafter until control is achieved. Bud Moth, Forbes Scale, Woolly Aphids, Green Apple Aphid, Rosy Apple Aphid, Mealybugs, Spider Mites—2/3 pt. per 100 gals. water. Malathion may cause fruit injury to McIntosh and Cortland varieties if applied within 4 weeks of harvest. Do not apply within 3 days of harvest.

ASPARAGUS: Asparagus Beetles, Thrips—1 1/4 pts. in water to cover 1 acre. Do not apply within 1 day of harvest.

BEANS: Aphids, Spider Mites—1 to 1 1/4 pts. per acre. Mexican Bean Beetle, Leafhoppers—1 1/4 to 1 1/2 pts. per acre. Use 125 gals. diluted spray per acre. Do not apply within 1 day of harvest.

BEETS: Aphids, Beet Webworm, Armyworm, Leafhoppers—1 1/2 to 2 1/4 pts. per acre. Use 300 gals. diluted spray per acre. Do not apply within 7 days of harvest.

BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, CABBAGE, KALE, MUSTARD GREENS, TURNIPS: Aphids, Imported Cabbage-worm, Cabbage Looper—1 1/3 to 2 1/2 pts. per acre. Use 200 gals. diluted spray per acre. Do not apply to Broccoli and Turnips within 3 days of harvest and to Brussels Sprouts, Cauliflower, Cabbage, Kale and Mustard Greens within 7 days of harvest.

CELERY, LETTUCE, SPINACH: Aphids, Spider Mites, Leafhoppers—1 1/4 to 1 1/2 pts. per acre. Loopers (on Lettuce)—2 pts. per acre. Use 125 gals. diluted spray per acre. Do not apply to Celery, Spinach and Head Lettuce within 7 days of harvest and to Leaf Lettuce within 14 days of harvest.

CHERRIES: Black Cherry Aphid—1 pt. per 100 gals. water. Leafroller—1 pt. per 100 gals. water. Injury may occur on certain varieties of sweet cherries, particularly in Northwest. Do not apply within 3 days of harvest.

CITRUS (Grapefruit, Lemons, Oranges, Tangerines): California Red Scale, Yellow Scale, Purple Scale, Black Scale (single-brooded), Soft Scale and Citricola Scale—2/3 to 1 pt. per 100 gals. water. Florida Red Scale, Purple Scale (light to medium infestation)—1 pt. per 100 gals. water. Thrips—1 pt. per acre. Make no applications when the trees are in bloom. Do not apply within 7 days of harvest.

CLOVER: Aphids, Mites, Leafhoppers, Grasshoppers—1 to 1 1/2 pts. per acre in water to cover. Do not apply to clover in bloom. May be grazed or harvested on day of application.

COTTON: Aphids, Spider Mites—2/3 to 1 pt. per acre in water to cover. May be applied up to harvest.

CRANBERRIES: Leafhoppers, Spittlebug Nymphs, Black-headed Fireworms, Cranberry Fruitworm—2 1/2 pts. per acre. Use 250 gals. diluted spray per acre. Do not apply within 3 days of harvest.

CUCUMBERS, SQUASH, MELONS: Aphids, Spider Mites—1 3/4 pts. per acre. Use 175 gals. diluted spray per acre. Do not apply within 1 day of harvest.

EGGPLANT: Spider Mites, Aphids—1 1/3 pts. per acre. Lace Bugs—3 1/2 pts. per acre. Use 200 gals. diluted spray per acre. Do not apply within 3 days of harvest.

GRAPES: Leafhoppers, Spider Mites, Mealybugs—2 3/4 pts. per acre. Use 275 gals. diluted spray per acre. Injury may occur on Ribier Grapes. Do not apply within 3 days of harvest.

ONIONS: Onion Thrips—1 pt. in water to cover 1 acre. Do not apply within 3 days of harvest on Green Onions.

ORNAMENTALS: Aphids, Spider Mites, Whitefly, Mealybugs, Thrips, Japanese Beetle Adult, Fourlined Leaf Bug, Tarnished Plant Bug, Rose Leafhopper, Potato Leafhopper, Scurfy Scale, European Pine Shoot Moth—1 pt. per 100 gals. water. Soft Brown Scale, Monterey Pine Scale, Black Scale Crawlers, Juniper Scale—1 1/2 pts. per 100 gals. water. Oystershell Scale, Lacebugs—2/3 pt. per 100 gals. water. Pine Needle Scale—2 1/2 pts. per 100 gals. water. Oak Kermes, Fletcher Scale, Florida Red Scale, Bag-

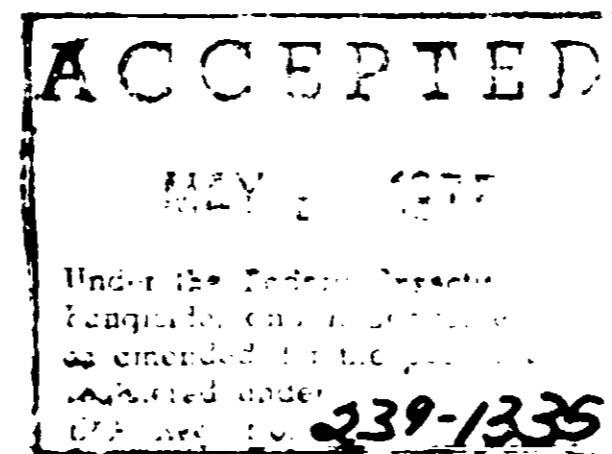
Chevron Chemical Company

Ortho Division/San Francisco CA 94119 Richmond CA 94804

Product 2862 Made in U.S.A.

Form 5751 S

EPA Reg. No. 239-1335





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LIQUID

worms, Azalea Scale, Magnolia Scale, Pine Leaf Scale, Birch Leaf Miner, Boxwood Leaf Miner, Tent Caterpillar—1¼ pts. per 100 gals. water. **Euonymus Scale**—1 pt. per 100 gals. water. **To Control Listed Scale**—Apply a thorough, full coverage spray at time scale crawlers have settled on foliage. Do not use on Boston, Maidenhair and Pteris ferns, and some species of Crassula.

PEACHES: Oriental Fruit Moth, Plum Curculio—1¼ pt. per 100 gals. water. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. **Spider Mites**—½ to ¾ pt. per 100 gals. water. Use Malathion cautiously on Peaches as it may cause foliage injury. Do not apply within 7 days of harvest.

PEARS: Pear Psylla, Aphids, Mealybugs—¾ pt. per 100 gals. water. **Spider Mites**—Same directions listed under Apples. **Codling Moth, Plum Curculio, Leaf Rollers**—1¼ pt. per 100 gals. water. Injury may occur under certain conditions in the Northwest on Bosc pears. Do not apply within 1 day of harvest. For control of Codling Moth and Plum Curculio, apply at petal fall and every 10 to 14 days thereafter until control is achieved.

PEAS: Pea Aphid—1 pt. as needed. (250 gals. diluted spray per acre). Do not apply within 3 days of harvest or 7 days if forage is to be fed to livestock.

PECANS: Spider Mites, Aphids—1 to 1¼ pts. per 100 gals. water. May be applied up to harvest.

PEPPERS: Aphids—1½ pts. per acre. Use 225 gals. diluted spray per acre. Do not apply within 3 days of harvest.

PLUMS, PRUNES: Mealy Plum Aphid—¾ pt. per 100 gals. water. Do not apply within 3 days of harvest.

POTATOES: Aphids, Leafhoppers—2¼ to 3 pts. per acre. Use 300 gals. diluted spray per acre. May be applied up to harvest.

STRAWBERRIES: Aphids, Spider Mites—2 pts. per acre. Use 200 gals. diluted spray per acre. Do not apply within 3 days of harvest.

SWEET CORN: Sap Beetle—1 pint per acre. Begin treatment when 10% of ears show silk. Repeat applications at 3 to 5 day intervals until 4 to 5 applications are made. Due to varied weather conditions and varieties, consult your State Agricultural Experiment Stations for proper timing. Do not apply within 5 days of harvest or forage use. Injury may occur in the whorl and silk stage, using this type malathion product.

TOBACCO: Aphids—1 pt. per acre in water to cover. Make full coverage application, repeated as necessary. Make no application within 7 days of harvest.

TOMATOES: Aphids—1 to 1½ pts. per acre. **Spider Mites**—2 pts. per acre. Use 200 gals. diluted spray per acre. Do not apply within 1 day of harvest.

WALNUTS: Aphids, Red Spider—¾ to 1 pt. per 100 gals. water. Repeat at 7 to 10 days for Red Spider. May be applied up to harvest.

FOR CONTROL OF RESISTANT OR NON-RESISTANT HOUSE FLIES AROUND BUILDINGS WHICH HOUSE DOMESTIC ANIMALS, AROUND YARDS, AROUND HOMES, IN MEAT PACKING ESTABLISHMENTS (Federally inspected): Use 1¼ gals. in 100 gals. water. Apply at 1 gal. per 1000 sq. ft. on painted surfaces and 2 gals. per 1000 sq. ft. on unpainted surfaces, where flies alight or congregate, such as walls, ceilings, stanchions, windows in dairy barns, fences, around garbage cans, etc. **As a Bait Spray:** Mix 1¼ gals. ORTHO Malathion 8 Flow Concentrate with 2 gals. molasses or corn syrup or 20 lbs. sugar per 100 gals. water. **Severe Fly population**—2 gals. with 40 lbs. sugar per 100 gals. water. **Floors in Dairy Barns**—3 ozs. with 1 cup corn syrup or sugar per 2 gals. water. As a spot treatment, this mixture can also be applied to windows, stanchions, support beams, doors, etc. **Fly Maggots in Manure and Loafing Sheds:** Use 1¼ gals. with 2 g. s. molasses or corn syrup or 20 lbs. sugar per 100 gals. water. Apply as a drench spray over the surface of manure or poultry droppings. **Loading Shed:** Spray dry bedding within 18 inches of walls and around upright braces. **Maintain Sanitary conditions around barns, outbuildings and other areas to prevent fly breeding.** **Note:** The use of molasses, corn syrup or sugar may have some value as an attractant for house flies. Remove calves under 1 month of age before treating. Remove lactating animals from buildings before treating. Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and food products, also drinking fountains and feed troughs. Do not use in Meat Packing Establishments where exposed food products are handled. Frequent applications may be necessary for control of house flies. Do not use inside dwellings. Do not apply to freshly whitewashed walls within 2 weeks of whitewashing.

LIVESTOCK

Do not treat calves under 1 month of age. Do not use on lactating dairy animals. Do not use on nonlactating dairy animals within 2 weeks of freshening. Apply complete coverage spray. One treatment may be sufficient. Repeat only if needed. Avoid contamination of feed and food products, also drinking fountains and feed troughs. Avoid contamination of milk, milk equipment and water.

BEEF CATTLE: Lice—¾ gal. per 100 gals. water. **Ticks**—¾ to 1½ gals. per 100 gals. water. **BACK-RUBBING DEVICES:** To reduce lice, use 5 Tablespoonfuls or 2½ fl. ozs. (2½ actual Malathion) in 1 gal. fuel oil. There may also be a reduction in horn flies. These devices should be made continuously accessible, one to each 35 to 45 head of cattle and re-treated every 2 to 3 weeks. Do not apply or make accessible to dairy animals. **HOGS: Lice**—¾ gal. per 100 gal. water. Apply complete coverage also to pens and litter. **POULTRY** (Direct application): **Northern Fowl Mite, Poultry Lice, and Chicken Red Mite** (as a supplement to premise treatments)—4 teaspoonfuls per gal. water per 100 to 150 birds. Repeat in 4 to 8 weeks or when necessary. **POULTRY HOUSES: Northern Fowl Mite, Chicken Red Mite, Poultry Lice, Flies**—3 Tablespoonfuls per gal. water. **Poultry Ticks**—4 to 5 ounces per 1 gal. water. Repeat as necessary. Apply spray liberally to walls, ceilings and adjacent areas. Force spray into cracks and crevices. Use a high pressure sprayer for surface sprays. **ROOST PAINT: Chicken Red Mite, Poultry Lice**—3 Tablespoonfuls per 1 gal. water. Repeat as necessary. Brush on at rate of 1 pt. per 150 ft. of roost.

CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes, nor authorizes any agent or representative to make any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1. above) resulting from handling, storage, and use of this material.

ACCEPTED
MAY 1975
Federal Insecticide
and Fungicide Act
No. 239-1335