

[239-947]

EPA Est. 239-CA-1 No 002918 IA

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.

STORE IN COOL, DRY PLACE.

WASH AND DESTROY CONTAINER WHEN EMPTY. NEVER RE-USE.

USE DESIGNATED AMOUNT IN 100 GALS. WATER UNLESS OTHERWISE SPECIFIED. Apply Thorough. Full Coverage Spray. Repeat as necessary unless otherwise specified.

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.

**MOSQUITO CONTROL: LARVAE** (in standing water, intermitently flooded areas, stagnant water, tree holes and temporary rain-pools)— $\frac{1}{2}$  pt. per acre by air or ground application in water to cover. Repeat as necessary. **ADULTS—** $\frac{1}{4}$  to  $\frac{1}{2}$  pt. per acre in water to cover.

**ALFALFA: Grasshoppers, Aphids (including Spotted Alfalfa Aphid), Lygus Bugs, Leafhoppers, Spider Mites, Alfalfa Weevil Larvae, Spittlebugs; Vetch Bruchids on Alfalfa—**1 to  $1\frac{1}{2}$  pts. per acre in water to cover. **Armyworms—** $1\frac{1}{2}$  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  $1\frac{1}{4}$  pts. per acre in water to cover.

**APPLES: Codling Moth, Plum Curculio, Redbanded Leaf Roller—** $1\frac{1}{4}$  pts. 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 Aphid—** $\frac{2}{3}$  pt. **Mealybugs, Spider Mites—** $\frac{2}{3}$  to  $1\frac{1}{4}$  pts. **Green Apple Aphid, Rosy Apple Aphid—**1 pt. Do not apply more than 15 pts. per acre. 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.

**BEANS: Aphids, Spider Mites, Mexican Bean Beetle, Leafhopper—** $1\frac{1}{4}$  pts. per acre in water to cover. Do not apply within 1 day of harvest.

**BEETS: Aphids, Beet Webworm, Armyworm, Leafhoppers—**1 to  $1\frac{1}{4}$  pts. Do not apply more than  $2\frac{1}{2}$  pts. per acre. Do not apply within 7 days of harvest.

**BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, CABBAGE, KALE, MUSTARD GREENS, TURNIPS: Aphids, Imported Cabbageworm, Cabbage Looper—** $\frac{2}{3}$  to  $1\frac{1}{4}$  pts. Do not apply more than  $2\frac{1}{2}$  pts. per acre. Do not apply to Broccoli and Turnips within 3 days of harvest and to Brussels Sprouts, Cauliflower, Cabbage and Mustard Greens within 7 days of harvest.

**CELERY, LETTUCE, SPINACH: Aphids, Spider Mites, Leafhoppers—** $1\frac{1}{4}$  pts. per acre in water to cover. **Cabbage Loopers (on lettuce)—**2 pts. per acre. Do not apply to Celery, Head Lettuce and Spinach within 7 days of harvest and to Leaf Lettuce within 14 days of harvest.

**CHERRIES: Black Cherry Aphid, Leaf Roller—**1 pt. Do not apply more than 8 pts. per acre. Injury may occur on certain varieties of sweet cherries, particularly in Northwest. Do not apply within 3 days of harvest.

**Scale, Black Scale (single-brooded), Soft Scale, Citricola Scabios, Kumquats): California Red Scale, Yellow Scale, Purple CITRUS (Grapefruit, Lemons, Limes, Oranges, Tangerines, Tange—** $\frac{2}{3}$  to 1 pint per 100 gals. water. **Thrips—** $\frac{3}{4}$  pint per 100 gals. water. Make no applications when the trees are in bloom. Do not apply within 7 days of harvest. Do not apply more than 25 pounds actual malathion per acre.

**CLOVER: Aphids, Mites, Leafhoppers, Grasshoppers—**1 to  $1\frac{1}{2}$  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—** $\frac{2}{3}$  to 1 pt. per acre in water to cover. May be applied up to picking.

**CRANBERRIES: Leafhoppers, Spittlebug Nymphs, Blackheaded Fireworms, Cranberry Fruitworm—**1 pt. Do not apply more than  $2\frac{1}{2}$  pts. per acre. Do not apply within 3 days of harvest.

**CUCUMBERS, SQUASH, MELONS: Aphids, Spider Mites—**1 pt. Do not apply more than  $1\frac{3}{4}$  pts. per acre. Do not apply within 1 day of harvest.

**EGGPLANT: Spider Mites, Aphids—** $\frac{2}{3}$  pt. **Lace Bug—** $1\frac{3}{4}$  pts. Do not apply more than  $3\frac{1}{2}$  pts. per acre. Do not apply within 3 days of 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  $1\frac{1}{4}$  gals. in 100 gals. water. Apply at 1 gal. per 1,000 sq. ft. on painted surfaces and 2 gals. per 1,000 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**

**Chevron Chemical Company**

Ortho Division/San Francisco CA 94119 Richmond CA 94804

Product 2242 Made in U.S.A.

Form 7731 1

EPA Reg. No. 239-947-ZA



# ORTHO

## Malathion 8 Emulsive

**(INSECTICIDE)**

Active Ingredients	By Wt.
Malathion	80%
Aromatic Petroleum Derivative	
Solvent	3%
Inert Ingredients	17%
*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate.	
Contains 8 lbs. Malathion per gal.	

**CAUTION: KEEP OUT OF REACH OF CHILDREN.**



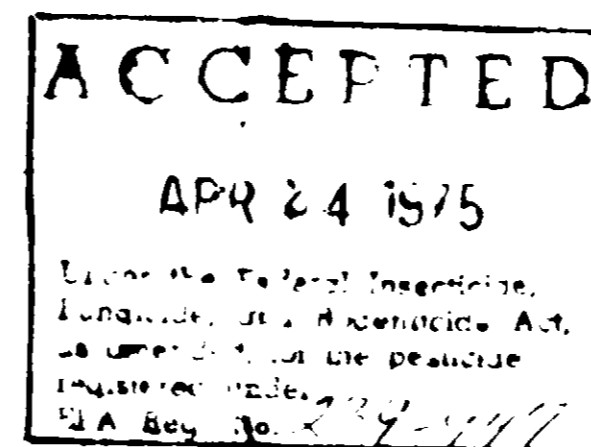
**READ THE LABEL**

**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, 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.**

This product is toxic to fish, shrimp, crab and other aquatic organisms. Keep out of lakes, streams, ponds, tidal marshes and estuaries (except when used for mosquito larvae control; then use only around the borders of these areas). 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.

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 5 GALLONS LIQUID**





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Inert Ingredients	17%
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Contains 8 lbs. Malathion per gal.	

**CAUTION: KEEP OUT OF REACH OF CHILDREN.**



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**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.

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**NET CONTENTS 5 GALLONS LIQUID**

**Spray**—Mix 1 1/4 gals. ORTHO Malathion 8 Emulsive 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 1 1/4 gals. with 2 gals. 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. **Loafing 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. Do not use in commercial food preparation areas or in edible products areas of food processing plants. 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.

**GRAPES: Leafhoppers, Spider Mites, Mealybugs**—1 pt. Do not apply more than 2 3/4 pts. per acre. Injury may occur on Ribier Grapes. Do not apply within 3 days of harvest.

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

**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. **Soft Brown Scale, Monterey Pine Scale, Black Scale Crawlers, Juniper Scale**—1 1/2 pts. **Oystershell Scale, Lacebugs**—2/3 pt. **Pine Needle Scale**—2 1/2 pts. **Bagworms, Oak Kerms, Fletcher Scale, Florida Red Scale, Azalea Scale, Magnolia Scale, Pine Leaf Scale, Birch Leaf Miner, Boxwood Leaf Miner, Tent Caterpillar**—1 1/4 pts. **Euonymus Scale**—2/3 to 1 pt. **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, Spider Mites**—1 1/4 pts. For Oriental Fruit Moth and Plum Curculio apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply within 7 days of harvest. Do not apply more than 9 pounds actual malathion per acre.

**PEARS: Pear Psylla, Aphids, Mealybugs**—2/3 to 1 1/4 pts. **Spider Mite**—Same directions listed under Apples. **Codling Moth, Plum Curculio, Leaf Rollers**—1 1/4 pts. For Codling Moth and Plum Curculio apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply more than 15 pts. per acre. Injury may occur under certain conditions in the Northwest on Bosc Pears. Do not apply within 1 day of harvest.

**PEAS: Pea Aphid**—1 pt. as needed. Do not apply more than 2 1/2 pts. per acre. Do not apply within 3 days of harvest. If forage is to be fed to livestock, do not apply more than 1 1/4 pts. per acre. Do not apply within 7 days of harvest.

**PECANS: Spider Mites, Aphids**—1 to 1 1/4 pts. Do not apply more than 12 1/2 pts. per acre. May be applied up to harvest.

**PEPPERS: Aphids**—2/3 pt. Do not apply more than 1 1/2 pts. per acre. Do not apply within 3 days of harvest.

**PLUMS, PRUNES: Mealy Plum Aphid**—2/3 pt. Do not apply more than 10 pts. per acre. Do not apply within 3 days of harvest.

**POTATOES: Aphids, Leafhoppers**—2/3 pt. Do not apply more than 3 pts. per acre. May be applied up to harvest.

**STRAWBERRIES: Aphids, Spider Mites**—1 pt. Do not apply more than 2 pts. per acre. Do not apply within 3 days of harvest.

**TOMATOES: Aphids**—2/3 to 1 pt. per acre in water to cover. Make full-coverage application, repeated as necessary. Do not apply within 7 days of harvest.

**TOMATOES: Aphids**—2/3 pt. Do not apply more than 2 pts. per acre. **Spider Mites**—1 pt. Do not apply more than 2 pts. per acre. Do not apply within 1 day of harvest.

**WALNUTS: Aphids, Red Spider**—1 1/4 pts. per acre in water to cover. Repeat at 7 to 10 days for Red Spider. May be applied up to harvest.

#### LIVESTOCK

Do not treat calves under 1 month of age. Do not use on lactating dairy animals. Do not use on non-lactating 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**—2/3 gal. per 100 gals. water. **Ticks**—2/3 to 1 1/4 gals. per 100 gals. water. **BACK-RUBBING DEVICES:** To reduce lice, use 5 Tablespoonfuls or 2 1/2 fl. ozs. (2% actual Malathion) in 1 gal. fuel oil. Mix thoroughly each time before use. 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 retreated every 2 to 3 weeks. Do not apply or make accessible to dairy animals. **HOGS: Lice**—5 pts. per 100 gals. 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 of liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.

ACCEPTED  
APR 24 1975  
The Federal Insecticide,  
Fungicide, and Rodenticide Act,  
under the pesticide  
label number  
233-4117