

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.

WHEN CONTAINER IS EMPTY, IMMEDIATELY WASH THOROUGHLY AND DESTROY. NEVER RE-USE.

Apply Thorough Full Coverage Spray. Repeat as necessary unless otherwise specified. In Orchard, Coaling Moth, Oriental Fruit Moth and Plum Curculio—Apply at petal fall and every 10 to 14 days thereafter until controlled.

**TERMINAL USE DATES:** Unless otherwise specified, numbers shown in parenthesis ( ) indicate number of days which must be allowed between the last application and harvest or grazing.

**ON FRUIT AND NUT CROPS AND ORNAMENTALS, APPLY THE SPECIFIED AMOUNT IN 100 GALS. OF WATER UNLESS OTHERWISE NOTED.**

**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. Aciduous 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.**

**ALFALFA:** Grasshoppers, Aphids (including Spotted Alfalfa Aphid), Lygus Bugs, Leafhoppers, Spider Mites, Alfalfa Weevil Larvae, Spittlebugs; Vetch Bruchids on Alfalfa—1½ to 2 pts. per acre by ground or air. Armyworms—2 pts. per acre by ground or air. (Apply to alfalfa only in the evening or early morning when bees are not working in the field or are not flying on the outside of bales. May be grazed or harvested on day of application.)

**ASPARAGUS:** Thrips—1½ to 2 pts. in water to cover 1 acre. Asparagus Beetles—2 pts. per acre in water to cover (1).

**BEANS:** Spider Mites, Lygus Bugs, Mexican Bean Beetle, Japanese Beetle—1½ to 2 pts. per acre by ground or air. Aphids, Cucumber Beetles, Leafhoppers—2 pts. per acre (1).

**BEETS:** Aphids—1½ to 2 pts. per acre (7).

**BROCCOLI (3), BRUSSELS SPROUTS (7), CAULIFLOWER (7), CABBAGE (7), KALE (7), MUSTARD GREENS (7), TURNIPS (3):** Aphids, Imported Cabbageworm, Cabbage Looper, Flea Beetles, Diamond Back Caterpillars—2 pts. per acre by ground or air, making full coverage application every 7 days.

**CARROTS:** Leafhoppers—2½ pts. per acre by ground or air (7).

**CELERY (7), LETTUCE, SPINACH (1):** Aphids, Spider Mites, Leafhoppers, Cabbage Looper (on lettuce)—3 pts. per acre by ground or air. (Do not apply to lettuce.)

**CHERRIES:** Black Cherry Aphid, Leaf Roller, Fruit Fly—1½ pts. per acre by ground or air. (Apply to varieties of sweet cherries, particularly in Northwest.)

**CITRUS (Grapefruit, Lemons, Limes, Oranges, Tangerines):** California Red Scale, Yellow Scale, Purple Scale, Black Scale (single-brooded), Soft Scale, Citricola Scale—1 to 1½ pt. Florida Red Scale, Purple Scale—1½ to 2 pts. in 100 gal. water. Do not exceed 2½ pts. per acre. Thrips—1½ pts. per acre by ground or air. Do not apply when trees are in bloom (7).

**CLOVER:** Aphids, Mites, Leafhoppers, Grasshoppers—1½ to 2 pts. per acre by ground or air. Do not apply to clover in bloom. May be grazed or harvested on day of application.

**COTTON:** Spider Mites, Aphids, Leafhoppers, Whiteflies, Brown Cotton Leafworm, Cotton Leafworm, Cotton Leaf Perforator, Thrips—1½ to 2 pts. in water to cover 1 acre. Boll Weevil, Lygus Bug—1½ to 2 pts. per acre by ground or air. Repeat as necessary. May be applied up to harvest.

**CUCUMBERS (1), SQUASH (1), MELONS (1), PUMPKINS (3):** Aphids, Spider Mites, Pickleworms—1½ pts. per acre by ground or air. Do not apply to cucurbits unless plants are in fruit. Squash Vine Borers—1½ gals. per acre by ground or air, applied weekly to stem and vines up to harvest.

**EGGPLANT:** Spider Mites, Aphids—1 pt. Lace Bugs—1½ qts. per acre (3).

**FILBERTS:** Filbert Aphid, Apple Mealybug, Scale (crawler stage), Tingids, Eye Spotted Bud Moth—1 pt. May be used up to harvest.

**LADINO CLOVER, VETCH (FOR SEED):** Aphids, Spider Mites, Leafhoppers—1½ to 2 pts. in water to cover 1 acre.

**OKRA:** Japanese Beetles—2 pts. per acre in water to cover. Do not apply after the pods begin to form.

**ONIONS:** Onion Thrips—1½ pts. per acre by ground or air. Onion Maggots—2½ pts. per acre by ground or air, when flies appear. Repeat every 4 days. Green Onions (3).

**ORNAMENTALS:** Aphids, Spider Mites, Whitefly, Mealybugs, Thrips, Japanese Beetle, Four-lined Leaf Bug, Tarnished Plant Bug, Leafhoppers, Scuffy Scale, European Pine Shoot Moth—1½ pts. Soft Brown Scale, Monterey Pine Scale, Black Scale Crawlers, Juniper Scale—2½ pts. Oystershell Scale, Lacebugs—1 pt. Pine Needle Scale—4 pts. per acre. Make second application 2 days after first. Bagworms, Oak Kermes, Fletcher Scale, Florida Red Scale, Azalea Scale, Magnolia Scale, Pine Leaf Scale, Leaf Miners, Tent Caterpillar—2 pts. Euonymus Scale—1 to 1½ pts. 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 Crasula.

**PEACHES:** Oriental Fruit Moth, Plum Curculio, Spider Mites—2 pts. per 100 gals. water. Do not exceed 200 gals. of spray per acre (7).

**PECANS:** Spider Mites, Aphids—1½ to 2 pints by ground or air. May be applied up to harvest.

**PEARS:** Pear Psylla, Aphids, Woolly Aphid, Mealybugs, Spider Mites—1 to 2 pts. Codling Moth, Plum Curculio, Leaf Roller—2 pts. injury may occur under certain conditions in the Northwest on Bosc Pears (1).

**PEAS:** Pea Aphid—1½ pts. per acre by ground or air, as needed. Pea Weevil—1 quart in 5 to 10 gals. water per acre by ground or air. Do not apply within 3 days of harvest or 7 days if forage is to be fed to livestock.

**PEPPERS:** Aphids—1 pt. by ground or air. Pepper Maggots—2½ pts. per acre by ground or air (3).

**PLUMS, PRUNES:** Mealy Plum Aphid—1 pt. (3).

**POTATOES:** Aphids, Leafhoppers—1 pt. per acre by ground or air. May be used up to harvest.

**RASPBERRIES:** Aphids, Rose Scale—1½ qts. per 100 gals. water (1).

**SAFFLOWER:** Aphids, Lygus Bugs, Grasshoppers—1½ to 2 pints per acre in water to cover. Grasshoppers—Make thorough coverage application when grasshoppers are seen. Several repeat applications may be needed (3).

**SMALL GRAINS (Barley, Oats, Rye, Wheat in grain forms):** Young Grasshoppers—1½ pints per acre by ground or air. Apply to hatching areas when nymphs are young (7).

**STRAWBERRIES:** Aphids, Spider Mites, Lygus Bugs, Spittlebugs, Potato Leafhoppers, Strawberry Leafrollers, Whiteflies, Strawberry Root Weevil—1½ pt. Field Crickets—1½ to 3 pts. per acre. Strawberry Root Weevil—Apply to soil surface before planting and work into top 2 to 3 inches of soil (3).

**CORN (Maize for grain or forage):** Young Grasshoppers—1½ pts. per acre in water to cover when nymphs are young. Injury may occur in the whorl and silk stage, using this type material product (5).

**TOMATOES:** Aphids—1 pt. per acre. Whitefly—1½ pts. per acre. Spider Mites—1½ pts. per acre. Drosophila—1½ pts. per acre (1).

**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):** 2 gals. in 100 gals. water. Apply at 1 gal. per 1,000 sq. ft. on

interior walls and 2 gals. per 1,000 sq. ft. on painted 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 2 gals. ORTHO Malathion 5 EmulLive 7B with 2 gals. molasses or corn syrup or 20 lbs. sugar per 100 gals. water. Severe Fly Population—3 gals. with 40 lbs. sugar per 100 gals. water. Floors in Dairy Barns—5 oz. 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 2 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. Exclude or tating animals from buildings before treating. Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and feed products, also drinking fountains

and troughs. Do not use in milk. Frequent applications may be required. Wash walls within 2 weeks.

**LIVESTOCK:** Do not treat calves under 1 year of age. Do not use on non-lactating dairy animals. One treatment may be sufficient. Products, also drinking fountains and water. **BEEF-CATTLE:** Lice

**BACK-RUBBING DEVICES:** To Malathion) in 1 gal. fuel oil. Use in 1 gal. fuel oil. These devices should be used on head of cattle and re-treated animal. **HOGS:** Lice—1 gal. liter. **SHEEP, GOATS:** Lice, to 3 weeks, if needed. Do not use on Northern Fowl Mite, Poultry Lice—2 talerentfuls per gal. water.

**POULTRY HOUSES:** Northern Fowl Mite, Poultry Ticks—1 to 2 gal. water. Poultry Lice—1 to 2 gal. water. Poultry Lice—1 to 2 gal. water. Repeat as needed.

**CAUTION:** Harmful when thoroughly attached. Emergency Information—call STORE NEAR HEAT OR OPEN food, forage or other plant sale, use or consumption.

This product is toxic to humans. may be fatal if application. Partant resources. Do not apply. Partant resources. Do not apply. Partant resources. Do not apply.

disposal of waste. Apply to CONDITIONS OF SALE: 1. C forms to the chemical descri (Chevron neither makes, nor of FITNESS or of MERCHANT this material.

2. Critical or unforeseeable in connection with the use of and crops to which the material is applied. Such stated hereon and even though assume all risks and liability handling, storage and use of

**Chevron Chemical Co**

Ortho Division/San Francisco

Product 1708 Made in

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[239-1638]

and 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 apply to freshly white-washed 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 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**—1 gal. per 100 gals. water. **TICKS**—1 to 2 gals. per 100 gals. water.

**BACK-RUBBING DEVICES:** To reduce lice, use 2 1/2 Tablespoonfuls or 3 3/4 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 re-treated every 2 to 3 weeks. Do not apply or make accessible to dairy animals. **HOGS: Lice**—1 gal. per 100 gals. water. Apply complete coverage also to pens and after. **SHEEP, GOATS: Lice, Ticks, Keds**—1 gal. per 100 gals. water. Repeat application after 2 to 3 weeks if needed. Do not treat animals under 1 month old. **POULTRY (Direct application):**

**Northern Fowl Mite, Poultry Lice, and Chicken Red Mite** (as a supplement to premise treatments)—2 Tablespoonfuls 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**—4 Tablespoonfuls per gal. water. **Poultry Ticks**—5 to 7 ozs. per 1 gal. water. Repeat as necessary. Apply spray liberally to walls, ceilings and other areas. For spray into cracks and crevices. Use a high pressure sprayer for surface spray. **ROOST PAINT: Chicken Red Mite, Poultry Lice**—4 Tablespoonfuls per 1 gal. water. Repeat as necessary. Brush or at rate of 1 pt. per 150 feet of roost.

**CAUTION:** Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin; wash thoroughly after use. Do not use on or near food. **Note to Physicians:** Emergency Information—call 415, 233-3737. Antidote—1 pint acetal. **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 many shrimp, clams, crabs, lobsters, and other shellfish. Do not apply where there are important resources. Do not apply where there is a high probability of drift to crops. Do not apply when weather conditions favor drift from areas treated. Do not use on water by cleaning of equipment or disposal of wastes. Apply this product only as directed on the label.

**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.

**CHEVRON CHEMICAL COMPANY**  
Ortho Division/San Francisco CA 94119 Richmond CA 94804  
Product 1708 Made in U.S.A.  
Form 6687-Q LPA Est. 239-TX 1 No. 008741 QA  
EPA Reg. No. 239-1638



# ORTHO

# Malathion 5 Emulsive XB

(INSECTICIDE)

## Xylene Base Solvent

Active Ingredients	By Wt.
*Malathion .....	55%
Xylene Base Aromatic Petroleum Solvent .....	32%
Inert Ingredients .....	13%
*O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate. Contains 5 lbs. Malathion per gallon.	

239-1638

READ THE LABEL

**CAUTION**

CAUTION: KEEP OUT OF REACH OF CHILDREN.

See back panel for additional cautions.

**NET CONTENTS 1 GALLON LIQUID**

ACCEPTED WITH COMMENTS