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Chevron Chemical Company  
Ortho Consumer Products Division  
940 Hensley Street  
Richmond, CA 94804

Gentlemen:

Subject: Cartridge Sprayer Application  
Ortho Malathion 50 Insect Spray  
EPA Registration No. 239-739  
Orthene Systemic Insect Control  
EPA Registration No. 239-2461  
Your Labeling Submitted October 20, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

1. Make the labeling change listed below before you release the product for shipment bearing the revised labeling:
  - Delete the claim "Child Resistant Package." If you wish to retain this claim, submit your corrected application form with the appropriate box checked in item one for Child-Resistant Packaging and your certification prior to releasing the product for shipment.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

It is understood that the labeling designated as copy A, B, C, and D will not be used in connection with any other type of applicator/ application.

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CONCURRENCES

SYMBOL							
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It is also understood that the "instruction booklet" referenced in copy A duplicates those instructions pertinent to the cartridge sprayer which are given on the basic product label submitted with your application.

A stamped copy of the label is enclosed for your records.

It is noted for the record that the registered basic product label for the subject EPA Reg. No. 239-739 contains uses that are not being supported. Your revised, basic label submitted July 21, 1992 showing the deletion of such uses is currently under evaluation.

Sincerely yours,

Robert A. Forrest  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosure

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING: Causes momentary but temporary eye injury. Harmful if swallowed. Do not get in eyes. Avoid contact with skin or clothing. Avoid breathing vapors or spray mist. STATEMENT OF PRACTICAL TREATMENT. In case of eye contact, wash eyes immediately with fresh water for 15 minutes and see a doctor. If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take person and product container to the nearest medical emergency treatment center or hospital. If on skin, wash skin with plenty of soap and water. If inhaled, remove person from exposure area.

Note to Physicians: Emergency Information - call 1-800-457-2872. This product contains a light petroleum solvent and may present an aspiration problem. Malathion is a weak cholinesterase inhibitor. If signs and symptoms of cholinesterase inhibition develop, atropine sulfate is antidotal. 2-PAM (PROTOPAM) may also be given in conjunction with atropine but should not be used alone. Keep children and animals away from treated areas until these areas are dry. Food utensils such as teaspoons and tablespoons should not be used for food purposes after use with pesticides.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. 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.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

May be applied with an ORTHO SPRAY-ETTE™, ORTHO DIAL 'n SPRAY® Hose-End Sprayer or tank-type sprayer.

FOR OUTDOOR USE ONLY. Spray thoroughly covering both upper and lower leaf surfaces or other infested plant parts. Repeat as necessary. Can be used up to 3 days of harvest on food crops unless otherwise specified. Make new dilution for each use. NOTE: 3 teaspoons = 1 Tablespoon = 1/2 oz. CONTAINS SPREADER. Contains ORTHO™, a special additive for better insect control. ORTHO™ makes your spray spray more evenly and stick better to cover insects on smooth, rough or waxy plant surfaces.

ORNAMENTALS (Roses, Camellias, Azaleas, Stocks, Chrysanthemums, Evergreens) - Aphids: 2 teaspoonsful to 1 gal. water. Red Spider Mites, Spruce Mites, Mealybugs, Lacebugs, Woolly Aphid, Hemlock Woolly Adelgid, Whiteflies, Thrips, Tarnished Plant Bug, Four-lined Leaf Bug, Bagworms, Rose Leafhopper, Japanese Beetle Adults, Box Elder Bug, 1 Tablespoonful (1/2 oz.) per gal. water. Scales (Black Scale, Soft Brown Scale, Oyster Shell Scale): 2 Tablespoonfuls per gal. water. Do not use on Boston, Maidenhair and Pteris ferns, Canebrake Juniper and some species of Crassula (exemplar: Jade Plant).

Combination Spray with fungicide on Roses - ORTHO FUNGINEX® Rose Disease Control may be mixed with this product when listed insect(s) and disease(s) are found on roses. Follow directions and precautions on both labels.

FRUITS (Apples, Pears, Grapes, Apricots, Cherries, Peaches, Strawberries) - Aphids: 2 teaspoonfuls to 1 gal. water. Codling Moth, Tent Caterpillar, Red Banded Leafroller, Plum Curculio, Bud Moth, Fruit Tree Leafroller, Strawberry Leafroller, Spittlebug, Red Spider Mites, Mealybugs, Woolly Aphid, Whiteflies, Thrips, Tarnished Plant Bug, Four-lined Leaf Bug, Grape Leafhopper, Pear Psyllid, Japanese Beetle Adults: 1 Tablespoonful (1/2 oz.) per gal. water. Scale Crawlers: 2 Tablespoonfuls per gal. water. Malathion may cause injury to McIntosh and Cortland varieties of apples, to Bosc pears and Ribier grapes. Do not apply to Pears within 1 day of harvest or to Apricots and Peaches within 7 days of harvest.

CITRUS (Oranges, Tangerines, Grapefruit, Lemons, Limes) AND MANGO - Aphids, Whiteflies, Black Scale, Purple Scale, Yellow Scale, Florida Red Scale, Thrips: 2 teaspoonfuls per gal. water. Thorough coverage of branches and upper and lower leaf surfaces is necessary to control insects. Do not apply during full bloom. Do not apply within 7 days of harvest.

COMBINATION WITH VOLCK Oil Spray on Citrus, Avocados, Mangoes, Gardenias and for control of Scale Insects, Red Spider Mites, Mealybugs, Whiteflies, Aphids, Thrips and for the removal of Sooty Mold Fungus through control of Whitefly Larvae. Use 1 Tablespoonful Volck Oil Spray and 1 Tablespoonful ORTHO Malathion 50 Insect Spray for each gallon of diluted spray. May be applied on Avocados up to within 7 days of harvest, to Grapefruit, Lemons, Limes and Oranges up to within 7 days of harvest but not during full bloom, and to Mangoes up to within 7 days of harvest. Codicide. Helps to destroy insect eggs such as Red Spider Mite eggs, Oak Moth eggs and Codling Moth eggs.

VEGETABLES: Numbers in parentheses indicate days required between last application and harvest. Asparagus (1), Beans (1), Beets (7), Broccoli (3), Brussels Sprouts (7), Cabbage (7), Can-

toloupe (1), Cauliflower (7), Cucumbers (1), Celery (7), C. Cards (7), Egg Plant (3), End (7), Garlic (3), Kale (7), Lettuce (3), Lettuce, Head (7), Leaf (14), Melons (1), Mustard Green (7), Okra (1), Onions (3), Peas (3), Peppers (3), Potatoes (8), Pumpkin (3), Radish (3), Rutabagas (3), Shallots (3), Squash (1), Spinach (7), Strawberries (3), Sweet Potatoes (3), Swiss Chard (7), Tomatoes (1), and Turnips (7).

TO CONTROL: Aphids - Use 2 teaspoonfuls per gallon of water. TO CONTROL: Asparagus Beetle, Bean Leaf Beetle, Blister Beetle, Cabbage Looper, Harlequin Cabbage Imported Cabbageworm, Japanese Beetle, Leafminers, Leafhoppers, Lygus Bug, Mexican Bean Beetle, Onion Maggot (Flies), Onion Thrips, Pickleworm, Red Spider Mite, Strawberry Leafroller, Strawberry Root Weevil, Thrips and Whiteflies - Use 1 Tablespoonful per gallon of water. TO CONTROL: Cucumber Beetles and Squash Vine Borers - Use 4 teaspoonfuls per gallon of water.

HOUSEHOLD PESTS - OUTDOORS ONLY (Woolly Aunts, Clover Mites, Spiders, Silver Fish, Crickets, Emulgs): 8 Tablespoonfuls (4 oz.) per gal. water; and Outside Residual Adult Mosquito Control: 9 Tablespoonfuls (4 1/2 oz.) per gal. water. Apply as a coarse spray to lower foundation of house and firewood piles. Repeat as necessary. NOTE: Only clover mites (found outside of dwellings and on lawns): Use 2 teaspoonfuls per gal. water and treat above areas in a 10 ft. wide strip along side of house. Repeat as necessary. DO NOT USE IN THE HOME.

HOUSEFLIES: around Dwellings (outside only), Outbuildings, Dairy Barns, Chicken Houses, Stables, Dog Kennels, Patis, Garbage Containers - SPRAY APPLICATION: 6 Tablespoonfuls (3 oz.) to 1 gal. water, 3 Tablespoonfuls cane or dark sugar or molasses to increase effectiveness. Spray around house foundation, under porches, along fence, shrubbery and other infested areas. Use 1 qt. diluted spray to 1000 sq. ft. area. If ORTHO Lawn Sprayer is used, fill bottle with ORTHO Malathion 50 Insect Spray and plan to cover approximately 7500 sq. ft. by the time bottle is empty. DO NOT APPLY THIS DOSAGE TO ANIMALS. Remove calves under one month of age before treating. Avoid contamination of milk, milk equipment and water. Maintain sanitary conditions around barns, buildings and other areas to prevent fly breeding.

FLIES on Beds and Cats: 2 Tablespoonfuls (1 oz.) per gal. water. Wet thoroughly. Penetrate hair. Do not apply more than once weekly. Animal Quarters (Outdoors): 2 Tablespoonfuls (1 oz.) per gal. water. Spray kennels, pens, yards, lawns and outhouses, at the rate of 1 gal. diluted spray, in a tank-type sprayer, per 1000 sq. ft. Remove animals before treatment, putting in fresh bedding after treatment.

BEEF CATTLE: Horn Flies - Use 1/2 pt. (16 oz.) in 5 gals. water (3% Tablespoonfuls per gal. water). Apply a complete coverage spray. Repeat applications at two week intervals if needed. Do not apply to lactating dairy animals. Do not apply to non-lactating cattle within 2 weeks of freshening. Do not treat calves under 1 month of age. Avoid contamination of feed, food containers and watering troughs.

CHICKENS, DUCKS, GESE, TURKEYS: Northern Fowl Mite, Poultry Lice - 2 Tablespoonfuls (1 oz.) per 1 gal. water per 100 to 150 birds. Spray directly on birds, and repeat 4 to 8 week intervals or as necessary. POULTRY HOUSE TREATMENT: Northern Fowl Mite, Chicken Red Mite, Poultry Lice, Flies - 4 Tablespoonfuls (2 oz.) per 1 gal. water. Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface. If sprays have dried, Apply sprays liberally to litter, walls, ceilings, roosts, nests and adjacent areas. Force spray into all cracks and crevices. Repeat as necessary. Flea Ticks - 6 to 7 oz. per 1 gal. water. Apply spray liberally to walls, ceilings and adjacent areas. Force spray into cracks and crevices. Repeat as necessary. ROOST PARASITES: Chicken Red Mite, Poultry Lice - 4 Tablespoonfuls (2 oz.) per 1 gal. water. Brush or 1 pt. per 150 ft. of roost and repeat as necessary. Avoid contamination of feed, food troughs and water fountains with spray.

STORAGE AND DISPOSAL

STORAGE: Keep pesticides in original container. Do not put concentrate or dilute food or drink containers. Avoid contamination of feed and foodstuffs. Store in a dry place, preferably in a locked storage area. Do not store diluted spray.

DISPOSAL: PRODUCT - Partially filled bottle may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. CONTAINER - Do not reuse empty bottle. Rinse thoroughly before discarding in trash.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Chevron Chemical Company © 1985  
Ortho Consumer Products Division  
P.O. Box 9845  
San Ramon, CA 94583-9845  
Form R526-W Product 1292  
EPA Reg. No. 239-739-2E



copy D

copy B

ACCEPTED with COMMENTS in EPA Letter Dated

DEC 21 1992

under the Federal Insecticide, Fungicide, and Rodenticide Act amended, for the pesticide registered under EPA Reg. No. 239-739