

PM 14 239-739 ps 1411

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January 4, 1996

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The SOLARIS Group of Monsanto Co.
P.O. Box 5006
San Ramon, CA 94583-0906

Attention: Francis X. Kamienski

Subject: Ortho Malathion 50 Plus Insect Spray
EPA Registration No. 239-739
Your amended application of March 14, 1995
Your letters of September 26 and December 21, 1995

We note that, in your September 26, 1995, letter, you have withdrawn your request for "Alternate Formula D".

We have received your December 21, 1995, Child-Resistant Packaging Certification, which is acceptable.

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 make the following labeling changes and submit one (1) copy of revised labeling prior to shipping product:

1. To comply with the Worker Protection Standard (WPS) requirement for an exclusionary statement to remove "homeowner-type products out of the scope of WPS, add the words "around the home" after "On: Ornamentals, Fruits, Citrus, Vegetables" on the Front Panel.
2. On Page 2, add "or absorbed by the skin" after "Harmful if swallowed".
3. On Page 3, under DIRECTIONS: FOR OUTDOOR USE ONLY, modify the third sentence as follows:

Can be used from 1 to 14 days of harvest on vegetables. See specific vegetable below for correct number of days.

4. On Page 5, under WARNING, second sentence, change as follows:

Harmful if swallowed or absorbed by the skin.

BEST COPY AVAILABLE

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5. On Page 5, under FIRST AID for skin, add this sentence:

If irritation persists, see a doctor.

6. Given your concern for users, we suggest that you format the current precautionary text as follows so that persons can quickly find the information needed to prevent and to react to exposure:

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING

Causes ...spray mist.

FIRST AID

IF IN EYES,

IF ON SKIN,

IF SWALLOWED,

IF INHALED,

NOTE TO PHYSICIANS:

Emergency ... pesticides.

ENVIRONMENTAL HAZARDS

This pesticide ... area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

If you have questions about this letter, please contact Mr. Dan Peacock at 703-305-5407.

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

A stamped copy of the labeling is enclosed for your records

Sincerely yours,



Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

- Enclosures: 1. Stamped label
2. A-79 Enclosure

Peacock WP#8:A:\Malathio\239-739:305-5407,-6600:1/4/96

477

BONUS
25% MORE
40 FL OZ AT REGULAR 32 FL OZ PRICE
Makes up to an extra 24 gal of spray

(con) OUTDOOR USE ONLY

ORTHO® MALATHION 50 PLUS® Insect Spray
Makes Up To 96 Gallons Diluted Spray [Quart Size]

Kills Insects-Aphids, Flies, Mealybugs, Mosquitoes, Red Spider Mite and Scales
On: Ornamentals, Fruits, Citrus, Vegetables
Superior Formula Plus ORTHEX® Wetting Agent

Approved
with 100% Malathion
to EPA Label 1000

NEW / NOW Measuring Cap & Pour Spout
Improved Package
New / Now with Measuring Cap
Easy Pour Spout
Fast & Easy Measuring Cap

JAN 04 1998

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this pesticide
registered under FIFRA No.
239-739

Active Ingredient
Malathion: O,O-dimethyl phosphorodithioate of diethyl
mercaptosuccinate,..... 50%
*Inert Ingredients.....50%
*Contains Petroleum Distillate

KEEP OUT OF REACH OF CHILDREN
WARNING
See back panel booklet for additional precautionary statements.

NET CONTENTS 1QT / 946 ml
1PT / 473 ml
40 FL OZ (1 QT 8 FL OZ) 1.18 L



• Kills insects - Aphids, Cabbage Looper, Codling Moth, Cucumber Beetles, Mealybugs, Red Spider Mite, Scales, Tent Caterpillar, Thrips, Whiteflies. See complete list inside. Contains ORTHEX®, a special additive for better insect control. ORTHEX makes your spray spread more evenly and stick better to cover insects on smooth, rough or waxy plant surfaces. Improved package with pour spout and measuring cap for fast, easy, accurate measuring.

DO NOT USE INSIDE THE HOME. DO NOT USE ON ANIMALS.

Peel open for use directions and further information.

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes. SEE ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS INSIDE BOOKLET.

PULL HERE TO OPEN LABEL PRESS TO RESEAL.

Medical Information call 1-800-454-2333
Product Information call 1-800-225-2383

Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form RS812-A Product 1992
EPA Reg. No. 239-739
EPA Est. 239-1A-3¹, 58996-MC-1^A
Superscript is first letter of lot number

Made in USA



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.

MEASURING CAP: To open: squeeze cap sides while unscrewing. Fill cap to appropriate level for fast, easy, accurate measuring. Refer to label below for measuring instructions. Close cap tightly after use - no need to rinse.

Level 1 = 1 teaspoon (tsp)

Level 2 = 1 Tablespoon (Tbs) = 3 tsp = 1/2 fl oz

Level 3 = 1 fl oz (2 Tbs)

Level 4 = 2 fl oz (4 Tbs)

tsp = teaspoon

Tbs = Tablespoon

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

DIAL 'n' SPRAY HOSE-END SPRAYER INSTRUCTIONS

To apply with an Ortho Dial 'n' Spray Hose-End Sprayer: pour product into sprayer jar. Do not add water. Dial setting to Use: always set dial to the rate to mix into each gallon of spray. See directions below for rate to use for each specific pest.

DIRECTIONS: 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 tsp = 1 Tbs = 1/2 oz~~

ORNAMENTALS (Roses, Camellias, Azaleas, Stocks, Chrysanthemums, Evergreens)-Aphids: 2 tsp to 1 gal water. Fill cap to level 1 two times. Add to 1 gal of water. Red Spider Mite, Spruce Mite, Mealybugs, Lacebugs, Woolly Aphid, Hemlock Woolly Adelgid, Whiteflies, Thrips, Tarnished Plant Bug, Fourlined Leaf Bug, Bagworms, Rose Leafhopper, Japanese Beetle Adults, Box Elder Bug: 1 Tbs (1/2 oz) per gal water. Fill cap to level 2. Add to 1 gal of water. Scales (Black Scale, Soft Brown Scale, Oyster Shell Scale): 2 Tbs per gal water. Fill cap to level 2 two times [or] / fill cap to level 3. Add to 1 gal of water. Do not use on Boston, Maidenhair and Pteris ferns, Canaerti Juniper and some species of Crassula (example: 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 tsp to 1 gal water. Fill cap to level 1 two times. Add to 1 gal of water. Codling Moth, Tent Caterpillar, Red-Banded Leafroller, Plum Curculio, Bud Moth, Fruit Tree Leafroller, Strawberry Leafroller, Spittlebug, Red Spider Mite, Mealybugs, Woolly Aphid, Whiteflies, Thrips, Tarnished Plant Bug, Fourlined Leaf Bug, Grape



Leafhopper, Pear Psyllid, Japanese Beetle Adults: 1 Tbs (1/2 oz) per gal water. Fill cap to level 2. Add to 1 gal of water. Scale Crawlers: 2 Tbs per gal water. Fill cap to level 2 two times (or) Fill cap to level 3. Add to 1 gal of 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 tsp per gal water. Fill cap to level 1 two times. Add to 1 gal of 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 Ixora 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 2 days of harvest. Ovicide: Helps to destroy insect eggs such as Red Spider Mite eggs, Oak Moth eggs and Codling Moth eggs.

VEGETABLES: Numbers in () indicate days required between last application and harvest. Beans (1), Beets (7), Broccoli (3), Brussels Sprouts (7), Cabbage (7), **Cantaloupe (1), Cauliflower (7), **Cucumbers (1), Celery (7), Collards (7), Egg Plant (3), Endive (7), Garlic (3), Kale (7), Leeks (3), Lettuce, Head (7), Leaf (14), **Melons (1), Mustard Greens (7), Okra (1), Onions (3), Peas (3), Peppers (3), Potatoes (0), **Pumpkin (3), Radish (7), 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 tsp per gal of water. Fill cap to level 1 two times. Add to 1 gal of water. TO CONTROL: Bean Leaf Beetle, Blister Beetle, Cabbage Looper, Harlequin Bug, Imported Cabbageworm, Japanese Beetle, Leafminers, Leafhoppers, Lygus Bug, Mexican Bean Beetle, Onion Maggot (Flies), Onion Thrips, Pickieworm, Red Spider Mite, Strawberry Leafroller, Strawberry Root Weevil, Thrips and Whiteflies-Use 1 Tbs per gal of water. Fill cap to level 2. Add to 1 gal of water. TO CONTROL: Cucumber Beetles and Squash Vine Borers- Use 4 tsp per gal of water. Fill cap to level 1 four times (or fill cap to level 2 plus 1 cap measure to level 1). Add to 1 gal of water.

**DO NOT APPLY UNLESS LEAVES ARE DRY.

HOUSEHOLD PESTS-OUTDOORS ONLY (Roaches, Ants, Clover Mites, Spiders, Silverfish, Crickets, Earwigs): 8 Tbs (4 oz) per gal water. Fill cap to level 4 two times. Add to 1 gal of water. ~~and~~ Outside Residual Adult Mosquito Control: 9 Tbs (4 1/2 oz) per gal water. Fill cap to level 4 two times PLUS 1 cap measure to level 2. Add to 1 gal of water. Apply as a coarse spray to lower foundation of house and firewood piles. Repeat as necessary. NOTE: If only clover mites (around outside of dwellings and on lawns): Use 2 tsp per gal water and treat above areas in a 10 ft wide strip along side of house. Fill cap to level 1 two times. Add to 1 gal of water. Repeat as necessary.

DO NOT USE INSIDE THE HOME. DO NOT USE ON ANIMALS.

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HOUSE FLIES: Around dwellings (outside only), Outbuildings, Patios, Garbage Containers-**SPRAY APPLICATION:** 6 Tbs (3 oz) to 1 gal water, *3 Tablespoonfuls cane or dark sugar or molasses may increase effectiveness.* **Fill cap to level 3 three times. Add to 1 gal of water.** Spray around house foundation, under porches, along fences, shrubbery and other infested areas. Use 1 gal diluted spray to 1,000 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.* Avoid contamination of water. Maintain sanitary conditions around outbuildings and other areas to prevent fly breeding.

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, 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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes. Avoid contact with skin or clothing. Avoid breathing vapors or spray mist. **FIRST AID:** 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 1-800-454-2333. 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. 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.

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

Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

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FUNGINEX® Trademark of American Cyanamid Company

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Manufactured for
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P.O. Box 5008
San Ramon, CA 94583-0808
Form RS812-A Product 1992
EPA Reg. No. 239-739
EPA Est. 239-IA-3¹, 58996-MO-1^A
Superscript is first letter of lot number

Made in USA

[ORTHO CARTRIDGE SPRAYER ONLY]

<i>Makes 2 gals spray</i>	<i>No mixing, no measuring necessary</i>
<i>New</i>	<i>Money saving coupon inside</i>
<i>Ready-to-spray cartridge</i>	<i>Save \$.50 on your next purchase. (Coupon on reverse side.)</i>
<i>Cartridge Sprayer Refill</i>	<i>Convenient</i>
<i>No Spill</i>	<i>LOCK 'N SPRAY System Cartridge</i>
<i>No Mix, No Measure, No Messy clean Up</i>	
<i>Easy-to-use</i>	<i>Quality Guaranteed</i>
<i>For Exclusive Use with ORTHO Cartridge Sprayer</i>	<i>Multipurpose</i>
<i>Liquid Concentrate</i>	<i>Self Sealing Cartridge Lid</i>
<i>To be used only with ORTHO Cartridge Sprayer</i>	<i>Cartridge Automatically Reveals Itself</i>
<i>No Mixing or Handling Required</i>	<i>Automatic Dilution</i>
<i>Simple Easy-to-use Application</i>	<i>Use with the ORTHO LOCK'N SPRAY cartridge sprayer</i>
<i>LOCK 'N SPRAY System</i>	<i>Cartridge system automatically dilutes the proper proportion of product and water</i>
<i>Patented LOCK 'N SPRAY Design</i>	<i>Simple to Use</i>
<i>Patented Twist 'n Lock Design</i>	<i>No mixing or measuring</i>
<i>See Instruction Booklet Inside Base</i>	
<i>Twist and Remove Base for Use</i>	
<i>Instruction Booklet</i>	



*Savings Coupon Inside
 Special Consumer Offer.
 See Details Inside
 Save on Your Next Purchase.
 See Details Inside
 Save on Other ORTHO Products.
 See Details Inside
 Cartridge
 Simple and Easy to Use
 Eliminates Mixing and Measuring
 Child Resistant Package
 For exclusive use with the ORTHO
 LOCK 'N SPRAY cartridge sprayer*

*No mixing
 No measuring
 Guaranteed Quality
 No messy measuring
 LOCK 'N SPRAY Cartridge
 LOCK 'N SPRAY Cartridge System
 Accurate
 Accurate dosage
 Premeasured
 No leak
 Carton made from 100% recycled
 paperboard Minimum 35% Post-Consumer
 Content*

*No mixing and measuring
 necessary*

[ORTHOCARTRIDGE SPRAYER ONLY]

The LOCK 'N SPRAY System eliminates mixing, measuring, and messy clean-up. With its unique design and easy one-step application, lawn and garden care is now faster and easier. Simply choose the cartridge application that you need and attach it to the cartridge sprayer(sold separately) as shown below.

[ORTHOCARTRIDGE SPRAYER ONLY]

[ILLUSTRATION]

DIRECTIONS FOR USE

Remove Base Cup: (Optional)

Twist bottom to tear label perforation.

Snap off base cup to view liquid.

Save base cup and re-attach after use if storage is necessary.

Connect sprayer to hose.

[ILLUSTRATION]

Attach/Lock Cartridge to Sprayer:

Push up to seat cartridge firmly against sprayer.

Grasp top portion of cartridge and twist counterclockwise to "Lock" position.

Turn water on at faucet.

[ILLUSTRATION]

[ILLUSTRATION]

Water Control Knob Adjustment:

Turn water control knob on sprayer to position.

Pull trigger to spray: Sprayer automatically delivers the proper spray solution

[ILLUSTRATION]

When Finished:

Twist cartridge in clockwise direction to "UNLOCK" position and remove.

Cartridge automatically reseals itself.

*Flush water through sprayer to clean.
Re-attach base cup to cartridge for
storage, if necessary. Cartridges contain
liquid concentrate product that can be reused.*