

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460OFFICE OF  
PREVENTION, PESTICIDES,  
AND TOXIC SUBSTANCES

Mr. James Wallace  
Director, Regulatory Affairs  
The Scotts Company d/b/a The Ortho Group  
P.O. Box 190  
Marysville, OH 43040

Dear Mr. Wallace:

Subject: Submission of amended labeling per Use Deletion Agency Guidance and revised  
May 2009 Malathion RED Label Table  
ORTHO® MALATHION 50 Insect Spray  
EPA Registration No. 239-739  
OPP Decision No. 403133  
Label amendments dated 2/19/09 & 5/14/09 and CRP submission dated 10/20/08

The proposed labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable with the following comments:

- On page 1 of the label under the "Active Ingredient Statement" revise "Other Ingredients" to read "Inert Ingredients."
- On page 7 of the label under "Nuisance Insects/Pests – Outdoor Only" revise "Homes (Outdoor Only)" to read "Exterior House Foundation."
- On page 7 of the label under "Nuisance Insects/Pests – Outdoor Only" delete "Silverfish" from the "Insect" column.

Approval of this labeling amendment does not constitute reregistration for this product. Product reregistration is currently pending and future label amendments and or additional data may be required.

Please submit two copies of your final printed labeling before you release the product for shipment. A stamped copy is enclosed for your records. If you have any questions, please contact Marianne Lewis at (703) 308-8043 or [lewis.marianne@epa.gov](mailto:lewis.marianne@epa.gov).

Regards,

A handwritten signature in black ink that reads "Venus Eagle". The signature is written in a cursive style with a long, sweeping tail on the "E" of "Eagle".

Venus Eagle  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosures:

Agency 6/15/09 CRP Review

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# ORTHO<sup>®</sup> MALATHION 50 Insect Spray

**Alternate Brand Name(s):**

- [ORTHO<sup>®</sup> Malathion Plus<sup>™</sup> Insect Spray Concentrate]
- [BASIC SOLUTIONS<sup>™</sup> by ORTHO Malathion Insect Killer Ready-To-Spray]
- [ORTHO<sup>®</sup> Mosquito-B-Gon Tree & Shrub Spray Concentrate]
- [ORTHO<sup>®</sup> MAX<sup>™</sup> Malathion Plus<sup>™</sup> Insect Spray Concentrate]
- [ORTHO<sup>®</sup> MAX<sup>™</sup> Malathion Insect Spray Concentrate]

ACCEPTED  
with COMMENTS  
in EPA Letter Dated: 7/17/09

[Icon] OUTDOOR USE ONLY

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

**Optional Marketing Claims:**

- Makes up to an extra 24 gallons of spray Concentrate
- Makes up To 96 gallons Diluted Spray [Quart Size]
- Kills Insects [Aphids, Whitefly, Mealybugs, Mosquitoes, Red Spider Mite and Scales]
- On: Ornamentals, Roses, Flowers, Shrubs, Trees, Fruits, Citrus, & Vegetables
- Kills Insects on Ornamentals, Fruits, Citrus, Vegetables
- Plus Kills Mosquitoes
- Kills Mosquitoes
- Made with Malathion
- Kills Mosquitoes and other listed nuisance insects [pests]

For outdoor home use only

ACTIVE INGREDIENT:

Malathion.....	50%
OTHER 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; 1 PT/473ml;

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**[Icon]PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**  
**WARNING**

Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Do not get in eyes. Avoid contact with skin or clothing. Avoid breathing vapors or spray mist. Wear protective eyewear (safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

<b>[Icon]FIRST AID</b>
<b>If in eyes:</b> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>If swallowed:</b> Immediately call a poison control center or doctor. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
<b>If on skin or clothing:</b> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If inhaled:</b> Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
<b>Note to Physicians:</b> Emergency Information: Call 1-800-454-2333. Contains petroleum distillate. May pose an aspiration pneumonia hazard. Malathion is a 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.

Do not use food utensils such as teaspoons and tablespoons for food purposes after use with pesticides.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish, aquatic Invertebrates, and aquatic life stages of amphibians. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. 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 while bees are actively visiting the treatment area

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

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[Open Resealable label for Directions and Precautions]

[Peel Here]

[Press to Reseal]

Kills insects [Pests Controlled]: Aphids, Bagworms, Boxelder Bugs, Black Scale, Purple Scale, Yellow Scale, Florida Red Scale, Cabbage Looper, Codling Moth, Cucumber Beetles, Fourlined leaf bugs, Grape leafhopper, Japanese beetle adults, Lacebugs, Mealybugs, Mosquitoes, Pear psyllid, Red banded leafroller, Strawberry leafroller, Spittlebug, Red Spider Mite, Rose leafhoppers, Spruce mites, Scales, Tent Caterpillar, Tarnished plant bug, Thrips, Whiteflies, Hemlock Woolly Adelgid, and other listed insects /pests. [See complete list inside.]

Easy to apply with an Ortho® Dial 'N Spray® or tank sprayer.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**DO NOT APPLY THIS PRODUCT IN A WAY THAT WILL CONTACT ANY PERSON OR PET, EITHER DIRECTLY OR THROUGH DRIFT. KEEP PEOPLE AND PETS OUT OF THE AREA DURING APPLICATION.**

[Reentry icon] **DO NOT ALLOW PEOPLE OR PETS TO ENTER TREATED AREA UNTIL SPRAYS HAVE DRIED.**

tsp. = teaspoon

Tbs. = Tablespoon

3 teaspoons (tsp) = 1 Tablespoon (Tbs.) = ½ fl oz

When using Ortho® Dial 'N Spray®

1. Set dial to the setting indicated in the use directions for your specific application.
2. Pour product into sprayer to fill jar one-quarter to one-half full.
3. After spraying, unused product must be poured back into its original container.

When using a tank sprayer

1. Blend appropriate amount of Ortho® Malathion 50 Insect Spray with appropriate amount of water following the dilution instructions for each site-pest combination listed below.
2. Operate sprayer by following the manufacturer's instructions. Spray as directed below.

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<b>ORNAMENTALS</b>		
<b>TO KILL THESE INSECTS</b>	Aphids, Bagworms, Boxelder Bugs, Fourlined Leaf Bugs, Hemlock Woolly Adelgids, Japanese Beetles, Lacebugs, Leafhoppers (rose), Mealybugs, Red Spider Mites, Spruce Mites, Tarnished Plant Bugs, Thrips, Woolly Aphids and Scales (Black, Oyster Shell & Soft Brown)	
<b>ON THESE PLANTS</b>	<b>Roses, Flowers, Camellias, Azaleas, Chrysanthemums &amp; Evergreens</b> (Do not use on Boston, Maidenhair and Pteris ferns, Canaerti Juniper and/or some species of Crassula such as Jade Plant).	
<b>USE THIS AMOUNT</b>	<b>INSECT</b>	<b>AMOUNT</b>
	<b>Aphids</b>	2 tsp per gallon of water. Ortho® Dial 'N Spray® setting is 2 tsp.
	<b>Bagworms, boxelder bugs, fourlined leaf bugs, hemlock woolly adelgids, Japanese beetles, Lacebugs, leafhoppers (rose), Mealybugs, red spider mites, spruce mites, tarnished plant bugs, thrips and woolly aphids</b>	1 Tbs. (3 tsp) per gallon of water. Ortho® Dial 'N Spray® setting is 1 Tbs
	<b>Scales (Black, Oyster Shell &amp; Soft Brown)</b>	2 Tbs. per gallon of water. Ortho® Dial 'N Spray® setting is 2 Tbs.
<b>HOW TO APPLY</b>	<ul style="list-style-type: none"> <li>• Use an Ortho® Dial 'N Spray® or tank sprayer.</li> <li>• Spray thoroughly covering both upper and lower leaf surfaces and other infested plant parts.</li> </ul>	
<b>WHEN TO APPLY</b>	Apply as necessary; waiting at least 10 days between each application.	

<b>ORNAMENTALS - USE IN COMBINATION WITH VOLCK® OIL SPRAY</b>	
<b>TO KILL THESE INSECTS</b>	Aphids, Scales (Black, Purple, Yellow, & Florida Red), Thrips & Whiteflies
<b>ON THESE PLANTS</b>	<b>Gardenias &amp; Ixora</b>
<b>USE THIS AMOUNT</b>	2 tsp per gallon of water. Ortho® Dial 'N Spray® setting is 2 tsp.
<b>HOW TO APPLY</b>	Use an Ortho® Dial 'N Spray® or tank sprayer. Spray thoroughly covering both upper and lower leaf surfaces and other infested plant parts.
<b>WHEN TO APPLY</b>	Apply as necessary; waiting at least 10 days between each application.

**COMBINATION SPRAY WITH ROSES**  
 ORTHO® RosePride® Rose and Shrub Disease Control (or other EPA-registered product labeled for control of diseases on Roses) may be mixed with this product when listed insect(s) and disease(s) are found on roses. Follow directions and precautions on both labels."

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<b>FRUITS</b>		
<b>TO KILL THESE INSECTS</b>	Aphids, Bud Moths, Codling Moths, Fourlined Leaf Bugs, Japanese Beetles, Leafhoppers (Grape), Leafrollers (Red-Banded, Fruit Tree, & Strawberry), Mealybugs, Pear Psyllids, Plum Curculios, Red Spider Mites, Spittlebugs, Tarnished Plant Bugs, Tent Caterpillars, Thrips, Whiteflies & Woolly Aphids, Scale Crawlers	
<b>ON THESE PLANTS</b>	<b>Apricots, Cherries, Grapes, Peaches. Pears &amp; Strawberries.</b> Malathion may cause injury to Bosc Pears and Ribier Grapes.	
<b>USE THIS AMOUNT</b>	INSECT	AMOUNT
	<b>Aphids</b>	2 tsp per gallon of water. Ortho® Dial 'N Spray® setting is 2 tsp.
	<b>Bud Moths, Codling Moths, Fourlined Leaf Bugs, Japanese Beetles, Leafhoppers (Grape), Leafrollers (Red-Banded, Fruit Tree, &amp; Strawberry), Mealybugs, Pear Psyllids, Plum Curculios, Red Spider Mites, Spittlebugs, Tarnished Plant Bugs, Tent Caterpillars, Thrips, Whiteflies &amp; Woolly Aphids</b>	1 Tbs per gallon of water. Ortho® Dial 'N Spray® setting is 1 Tbs.
	<b>Scale Crawlers</b>	2 Tbs. per gallon of water. Ortho® Dial 'N Spray® setting is 2 Tbs.
<b>TO KILL THESE INSECTS</b>	Aphids, Scales (Black, Purple, Yellow & Florida Red), Thrips & Whiteflies	
<b>ON THESE PLANTS</b>	<b>Mangos and Citrus</b> (Oranges, Tangerines, Grapefruits, Lemons & Limes) Do not apply during full bloom.	
<b>USE THIS AMOUNT</b>	INSECT	AMOUNT
	<b>Aphids, Scales (Black, Purple, Yellow &amp; Florida Red), Thrips &amp; Whiteflies</b>	2 tsp per gallon of water. Ortho® Dial 'N Spray® setting is 2 tsp.
<b>HOW TO APPLY</b>	Use an Ortho® Dial 'N Spray® or tank sprayer. Spray thoroughly covering both upper and lower leaf surfaces and other infested plant parts.	
<b>WHEN TO APPLY</b>	Apply as necessary to control listed insects; waiting at least 30 days between each application.	
<b>WHEN TO HARVEST</b>		
Pears & Mangos	Do not apply within 1 day of harvest.	
Cherries, Grapes & Strawberries	Do not apply within 3 days of harvest.	
Apricots & Peaches	Do not apply within 7 days of harvest.	
Citrus	Do not apply within 7 days of harvest	

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<b>FRUITS - USE IN COMBINATION WITH VOLCK® OIL SPRAY</b>	
<b>TO KILL THESE INSECTS</b>	Aphids, Mealybugs, Red Spider Mites, Scales, Thrips & Whiteflies Also removes Sooty Mold Fungus through control of Whitefly Larvae and helps destroy insect eggs (such as Codling Moth, Oak Moth & Red Spider Mite eggs)
<b>ON THESE PLANTS</b>	<b>Citrus, Avocados, Mangos.</b> Do not apply during full bloom
<b>USE THIS AMOUNT</b>	1 Tbs. of each product per gallon of water. Ortho® Dial 'N Spray® setting is 1 Tbs.
<b>HOW TO APPLY</b>	Use an Ortho® Dial 'N Spray® or tank sprayer. Spray thoroughly covering both upper and lower leaf surfaces and other infested plant parts.
<b>WHEN TO APPLY</b>	Apply as necessary to control listed insects; waiting at least 30 days between each application.
<b>WHEN TO HARVEST</b>	
Mangos	Do not apply within 1 day of harvest.
Avocados & Citrus	Do not apply within 7 days of harvest.

<b>VEGETABLES &amp; MELONS</b>		
<b>TO KILL THESE INSECTS</b>	Aphids, Beetles (Bean Leaf, Blister, Japanese & Mexican Bean), Cabbage Loopers, Harlequin Bugs, Imported Cabbageworms, Leafminers, Leafhoppers, Leafrollers (Strawberry), Lygus Bugs, Onion Maggots (Flies), Onion Thrips, Pickleworms, Red Spider Mites, Root Weevils (Strawberry), Thrips & Whiteflies, Cucumber Beetles & Squash Vine Borers.	
<b>ON THESE PLANTS</b>	Potatoes, Beans <sup>T</sup> , Cantaloupe*, Cucumbers*, Melons*, Okra, Squash*, Tomatoes, Broccoli, Eggplant, Garlic, Leeks, Onions, Peas, Peppers, Pumpkin*, Shallots, Sweet Potatoes, Beets**, Brussels Sprouts, Cabbage, Cauliflower, Celery, Collards, Endive, Kale, Mustard Greens, Radish, Rutabagas, Spinach, Turnips, Head Lettuce, Leaf Lettuce & Swiss Chard	
<b>USE THIS AMOUNT</b>	<b>INSECT</b>	<b>AMOUNT</b>
	<b>Aphids</b>	2 tsp per gallon of water. Ortho® Dial 'N Spray® setting is 2 tsp.
	<b>Beetles (Bean Leaf, Blister, Japanese &amp; Mexican Bean), Cabbage Loopers, Harlequin Bugs, Imported Cabbageworms, Leafminers, Leafhoppers, Leafrollers (Strawberry), Lygus Bugs, Onion Maggots (Flies), Onion Thrips, Pickleworms, Red Spider Mites, Root Weevils (Strawberry), Thrips &amp; Whiteflies</b>	1 Tbs. (3 tsp) per gallon of water. Ortho® Dial 'N Spray® setting is 1 Tbs.
	<b>Cucumber Beetles &amp; Squash Vine Borers</b>	4 tsp per gallon of water. Ortho® Dial 'N Spray® setting is 4 tsp.
<b>HOW TO APPLY</b>	Use an Ortho® Dial 'N Spray® or tank sprayer. Spray thoroughly covering both upper and lower leaf surfaces and other infested plant parts.	
<b>WHEN TO APPLY</b>	Apply as necessary to control listed insects; waiting at least 7 days between each application.	



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<b>WHEN TO HARVEST</b>	
Potatoes	May be applied up to day of harvest.
Beans <sup>†</sup> , Cantaloupe*, Cucumbers*, Melons*, Okra, Squash* & Tomatoes	Do not apply within 1 day of harvest.
Broccoli, Eggplant, Garlic, Leeks, Onions, Peas, Peppers, Pumpkin*, Shallots & Sweet Potatoes	Do not apply within 3 days of harvest.
Beets**, Brussels Sprouts, Cabbage, Cauliflower, Celery, Collards, Endive, Kale, Mustard Greens, Radish, Rutabagas, Spinach, & Turnips	Do not apply within 7 days of harvest
Head Lettuce, Leaf Lettuce & Swiss Chard	Do not apply within 14 days of harvest.

<sup>†</sup> DO NOT USE ON BEAN CROPS USED FOR FORAGE OR HAY.

\*DO NOT APPLY UNLESS LEAVES ARE DRY.

\*\*DO NOT USE ON SUGAR BEETS

<b>NUISANCE INSECTS/PESTS -Outdoors Only</b>		
<b>TO KILL THESE INSECTS</b>	Clover Mites, Ants, Crickets, Earwigs, Roaches, Spiders, Adult Mosquitoes and House Flies	
<b>IN THESE AREAS</b>	Homes (Outdoors Only) Patios and Garbage Cans; under Porches and Shrubbery; Along Fences; Firewood Piles; and Ornamental Vegetation	
<b>USE THIS AMOUNT</b>	INSECT	AMOUNT
	<b>Clover Mites</b>	2 tsp per gallon of water. Ortho <sup>®</sup> Dial 'N Spray <sup>®</sup> setting is 2 tsp.
	<b>Ants, Crickets, Earwigs, Roaches, Silverfish &amp; Spiders</b>	8 Tbs. (4 fl oz) per gallon of water. Ortho <sup>®</sup> Dial 'N Spray <sup>®</sup> setting is 4 oz.
	<b>Adult Mosquito Control</b>	9 Tbs. per gallon of water. (use tank sprayer only)
	<b>House Flies</b>	6 Tbs. (3 fl oz) per gallon of water for each 1000 sq ft. Ortho <sup>®</sup> Dial 'N Spray <sup>®</sup> setting is 3 oz.
<b>HOW TO APPLY</b>	Use an Ortho <sup>®</sup> Dial 'N Spray <sup>®</sup> or tank sprayer. Apply as a coarse spray to the lower outside foundation of house, patios and garbage cans; under porches and shrubbery; along fences; to firewood piles; and ornamental vegetation where mosquitoes may rest. <b>Specific directions for Clover Mite:</b> Spray a 2-ft wide strip along side of house.  <b>DO NOT USE INSIDE THE HOME. DO NOT USE ON ANIMALS.</b>	
<b>WHEN TO APPLY</b>	Apply as necessary to control listed insects; waiting at least 7 days between each application.	

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EPA Reg. No. 239-739

**[[con] STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal.

**PESTICIDE STORAGE:** Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place, preferably in a locked storage area. Do not store diluted spray. Do not contaminate with other pesticides or fertilizers. This product should never be heated above 55°C (131°F), and should not be stored for long periods of time at a temperature in excess of 25°C (77°F).

**PESTICIDE DISPOSAL if empty:** Non-refillable [container]. Do not reuse or refill this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTICE: To the extent consistent with applicable law buyer assumes all risks of use, storage or handling of this product not in accordance with directions

The ORTHO® Guarantee

If for any reason you are not satisfied with this product, mail us proof of purchase to obtain a full refund of your purchase price

Questions, Comments or Medical Information call 1-800-225-2883  
[www.ortho.com](http://www.ortho.com)

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Manufactured for  
The ORTHO Group  
P.O. Box 190  
Marysville, OH 43040  
EPA Reg. No. 239-739  
EPA Est. No. 239-IA-3<sup>i</sup>; 58996-MO-1<sup>A</sup>; 84064-IA-1<sup>P</sup>; 85652-OH-1<sup>W</sup>  
Superscript is first letter of lot number

Made in USA