

4-99
9/20/2012
1/10

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D C 20460



OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Becky Horton
Bonide Products, Inc
P O Box 1019
Salen, VA 24153

SEP 20 2012

Subject Submission of amended labeling per May 2009 Malathion RED Label Table
EPA Reg No 4-99
Decision # 416280

Dear Ms Horton

The proposed labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable under FIFRA § 3(c)(5) provided that you submit two copies of your final printed label before you release the product for shipment. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec 6(e).

The Basic Confidential Statement of Formula (CSF) dated 9/19/11 is acceptable. All other CSF's including Alternates have been superseded by this new CSF. This has been added to your record.

Your product has met and complied with the risk mitigation provisions of the Malathion RED and therefore your product is reregistered pursuant to FIFRA § 4(g)(2)(C). But note, EPA is currently reassessing the cumulative impacts of organophosphates and that review may impact your product once complete.

A stamped copy is enclosed for your records. If you have any questions, please contact Dr Jennifer Urbanski at 703-347-0156 or urbanski.jennifer@epa.gov

Regards,

A handwritten signature in black ink that reads "Venus Eagle".

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

Enclosure

2/10

ACCEPTED

SEP 20 2012

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for the
pesticide registered under



EPA Reg No 499

MALATHION 50% EC

[Additional Brand Name(s) Malathion Insect Control]

Optional Marketing Statement

For Flowers, Evergreens, Shrubs, Shade Trees, and the Listed Fruits and Vegetables,
Mosquitoes

ACTIVE INGREDIENT

Malathion (CAS #121-75-5)

50%

OTHER INGREDIENTS

50%

TOTAL

100%

This product contains petroleum distillate
1 gallon contains 4.37 lbs of malathion

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side/back/other panel(s) for additional Precautionary Statements and First Aid

NET CONTENTS _____

[SIDE/BACK/OTHER PANEL(S)]

FIRST AID	
If Swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice • Do not give any liquid to the person • Do not induce vomiting unless told to by a poison control center or doctor • Do not give anything by mouth to an unconscious person
If on Skin or Clothing	<ul style="list-style-type: none"> • 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
If in Eyes	<ul style="list-style-type: none"> • 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
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information (including pesticide incidents or health concerns)</p>	
<p>NOTE TO PHYSICIAN This product may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine. Contains petroleum Distillate. May pose an aspiration hazard.</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wear long sleeved shirt, long pants, shoes and socks.

ENVIRONMENTAL HAZARDS

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.

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.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

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

Pesticide Storage This product should be stored in the original container in a secure dry place Do not contaminate with other pesticides or fertilizers The 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) Store and transport in an upright position

Pesticide Disposal *If partly filled* Call your local solid waste agency for disposal instructions Never place unused product down any indoor or outdoor drain Promptly clean up spills with absorbent material, discard used material in trash

Container Disposal *If empty* Nonrefillable container Do not reuse or refill this container Offer for recycling if available, or place in trash

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes Use on listed fruits and vegetables is limited to home gardens

PRECAUTIONS AND RESTRICTIONS

- 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
- For outdoor use only
Do not allow people or pets to enter the treated area until sprays have dried
- When applied as a fogger, do not enter treated area until vapors, mists and aerosols have dispersed
Do not apply this product through any type of irrigation system
- This product may cause spotting on automobile paint finish Cars should not be sprayed directly If accidental exposure occurs, the car should be washed immediately

BONIDE MALATHION 50% EC controls a great diversity of listed insects, including aphid, spider mites, scales, as well as a wide range of other sucking and chewing insects attacking listed fruits, vegetables and ornamentals, and controls mosquitoes

For proper mixing, fill the spray tank with at least ¾ gallon of water before Malathion 50% EC is added Shake sprayer occasionally or agitate to keep spray particles in suspension during application Follow spray schedule given in SPRAY CHART below

For Hose-end Sprayer Application Use a hose-end sprayer that can be adjusted to provide a dilution ratio of approximately 1 fl oz of this product per gallon of spray

For Watering Can Application See SPRAY CHART for use rates Apply by gently sprinkling 1 gallon of mixture over foliage

SPRAY CHART				
Use the higher rate when insect pressure is heavy				
Crop	Insects	When to Apply	Amount /Gal Water	Comments
Asparagus	asparagus beetle asparagus aphid thrips	Make up to 2 applications per year – at least 7 days apart Do not apply within 1 day of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Beans (Lima, Green Snap Navy Red Kidney Wax Cowpeas Blackeyed Peas)	Mexican bean beetle spider mites Japanese beetle aphids cucumber beetle	Make up to 2 applications per year – at least 7 days apart Do not apply within 1 day of harvest	¼ to ¾ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed ¾ fl oz /1000 sq ft per single application Do not use on bean crops used for forage or hay
Tomatoes	spider mites aphids	Make up to 4 applications per year – at least 5 days apart Do not apply within 1 day of harvest	½ to 2 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2 fl oz /1000 sq ft per single application
Pumpkins	aphids mites squash vine borers	Make up to 2 applications per year – at least 7 days apart Do not apply within 1 day of harvest	½ to 1¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1¼ fl oz /1000 sq ft per single application
Eggplant	aphids spider mites lace bugs	Make up to 4 applications per year – at least 5 days apart Do not apply within 3 days of harvest	½ to 2 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2 fl oz /1000 sq ft per single application
Onions	thrips onion maggots	Make up to 2 applications per year – at least 7 days apart Do not apply within 3 days of harvest	½ to 2 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2 fl oz /1000 sq ft per single application
Peppers	aphids pepper maggots	Make up to 2 applications per year – at least 5 days apart Do not apply within 3 days of harvest	½ to 2 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2 fl oz /1000 sq ft per single application
Rutabagas	aphids	Make up to 3 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1¼ fl oz /1000 sq ft per single application
Sweet Potato	leafhoppers morningglory leafminer	Make up to 2 applications per year – at least 7 days apart May be applied up to harvest	½ to 2 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2 fl oz /1000 sq ft per single application
Potatoes (White or Irish)	false chinch bugs aphids leafhoppers mealybugs	Make up to 2 applications per year – at least 7 days apart May be applied up to harvest	½ to 2 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2 fl oz /1000 sq ft per single application
Lettuce	leafhoppers aphids cabbage looper	Make up to 2 applications per year – at least 6 days apart Do not apply within 14 days of harvest	¾ to 2¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2¼ fl oz /1000 sq ft per single application

Corn (Sweet and Pop)	aphids sap beetle thrips grasshoppers corn rootworm adults (for protection of silks)	Make up to 2 applications per year – at least 5 days apart Do not apply within 5 days of harvest For grasshoppers – make full coverage application to foliage when nymphs are young For corn rootworm adults – make full coverage application when adult beetles become abundant	½ to 1¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1¼ fl oz /1000 sq ft per single application
Melons (Cantaloupes Casabas Crenshaws Honeydews Honey Balls Muskmelons Persians and hybrids of these)	aphids spider mites cucumber beetles	Make up to 2 applications per year – at least 7 days apart Do not apply within 1 day of harvest	½ to 1¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1¼ fl oz /1000 sq ft per single application
Watermelons	aphids spider mites cucumber beetles	Make up to 4 applications per year – at least 7 days apart Do not apply within 1 day of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Squash summer	aphids spider mites pickleworm squash vine borers cucumber beetles	Make up to 3 applications per year – at least 7 days apart Do not apply within 1 day of harvest	½ to 2 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2 fl oz /1000 sq ft per single application
Squash winter	aphids spider mites pickleworm squash vine borers cucumber beetles	Make up to 3 applications per year – at least 7 days apart Do not apply within 1 day of harvest	½ to 1¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1¼ fl oz /1000 sq ft per single application
Cucumber	aphids spider mites cucumber beetles	Make up to 2 applications per year – at least 7 days apart Do not apply within 1 day of harvest	½ to 2 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2 fl oz /1000 sq ft per single application
Broccoli Brussels Sprouts Cauliflower Watercress	aphids diamond back moth caterpillars	Make up to 2 applications per year – at least 7 days apart Do not apply within 2 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Cabbage	aphids diamond back moth caterpillars	Make up to 6 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Collards	aphids diamond back moth caterpillars harlequin cabbage bug	Make up to 3 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1¼ fl oz /1000 sq ft per single application

Dandelions Kohlrabi	aphids	Make up to 2 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Kale Mustard Greens	aphids flea beetles	Make up to 3 applications per year – at least 5 days apart Do not apply within 7 days of harvest	½ to 1¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1¼ fl oz /1000 sq ft per single application
Parsley	aphids	Make up to 2 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Swiss Chard	aphids	Make up to 2 applications per year – at least 7 days apart Do not apply within 14 days of harvest	½ to 1¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1¼ fl oz /1000 sq ft per single application
Turnips	aphids	Make up to 3 applications per year – at least 5 days apart for turnip greens and 7 days apart for turnip roots Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Watercress	aphids	Make up to 5 applications per year – at least 3 days apart Do not apply within 3 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Celery	spider mites aphids	Make up to 2 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Spinach	aphids	Make up to 2 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1¼ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1¼ fl oz /1000 sq ft per single application
Carrots	aphids leafhoppers	Make up to 2 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Beets (garden) Do not apply to sugar beets	aphids leafhoppers	Make up to 3 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Endive	aphids mites	Make up to 2 applications per year – at least 7 days apart Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application

Apples	Wooly apple aphid bud moth Forbes scale green apple aphid rosy apple aphid mealybug codling moth plum curculio red banded leaf roller tent caterpillar	Start to spray early in season Make up to 2 applications per year – at least 7 days apart Do not spray during blossom period Do not apply within 1 day of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application May cause injury to Cortland and McIntosh varieties
Apricots	codling moth orange tortrix terrapin scale soft brown scale aphids	Start to spray early in season Make up to 2 applications per year – at least 7 days apart Do not spray during blossom period Do not apply within 6 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Cherries	black cherry aphid fruit tree roller cherry fruit fly bud moth mealy plum aphid	Start to spray early in season Make up to 4 applications per year – at least 3 days apart Do not spray during blossom period Do not apply within 3 days of harvest	½ to 2 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2 fl oz /1000 sq ft per single application
Peaches	oriental fruit moth plum curculio green peach black cherry black peach rusty plum aphids Japanese beetle terrapin cottony peach scales	Start to spray early in season Make up to 3 applications per year – at least 11 days apart Do not spray during blossom period Do not apply within 7 days of harvest	1 to 3 fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 3 fl oz /1000 sq ft per single application
Citrus – grapefruit lemons limes oranges tangerines tangelos	California red yellow purple black (single and off brooded) soft citricola scales Florida red and purple scales (light & medium infestations) thrips	Start to spray early in season Make up to 3 applications per year – at least 30 days apart Do not spray during blossom period Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Kumquats	California red yellow purple black (single and off brooded) soft citricola scales Florida red and purple scales (light & medium infestations) thrips	Make 1 application per year Do not spray during blossom period Do not apply within 7 days of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application

Pears	mealybugs mites pear psylla, codling moth plum curculio fruit tree & red banded leaf rollers	Start to spray early in season Make up to 2 applications per year – at least 7 days apart Do not spray during blossom period Do not apply within 1 day of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application
Blackberries Boysenberries Dewberries Loganberries Raspberries	mites thrips leafhoppers Japanese beetles aphids rose scale sap beetle	Make up to 3 applications per year – at least 7 days apart Do not apply within 1 day of harvest	1 to 2½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 2½ fl oz /1000 sq ft per single application
Blueberries	Japanese beetle	Make up to 3 applications per year – at least 5 days apart Do not apply within 1 day of harvest	½ to 1½ fl oz to cover 1 000 to 3 500 sq ft	Do not exceed 1½ fl oz /1000 sq ft per single application

Ornamental herbaceous plants (Roses Chrysanthemums Carnations Flower Gardens) Ornamental non flowering plants Ornamental woody shrubs and vines	aphids mealybugs spider mites whitefly four lined plant bug Japanese beetle potato leafhopper tarnished plant bug thrips rose leafhoppers European pine shoot moth birch leaf miner boxwood leaf miner bagworms tent caterpillar oak kermes azalea pine leaf magnolia Fletcher Florida red juniper black scurfy Euonymus oyster shell monterey pine soft pine needle scales two spotted mite millipedes springtails sowbugs	Spray thoroughly both top and undersides of leaves until slightly dripping as soon as insects appear For woody shrubs and vines do not exceed 2 applications per year – at least 10 days apart	1 to 3 fl oz to cover 1 000 sq ft	Do not exceed 3 fl oz /1000 sq ft per single application Injury may occur on ferns hickory viburnum lantana, crassula and canaerti juniper
---	---	--	-----------------------------------	---

MOSQUITOES

Spray Application Mix 5 fl oz Malathion 50% EC in 1 gallon of water or oil-based carrier (such as kerosene, fuel oil or diesel oil) Apply as an area spray with a pump or tank lawn & garden sprayer with nozzle adjusted to a fine spray mist Do not exceed 2½ gallons of spray mixture per acre per day when applying at the 5 fl oz rate For heavy infestations, increase the amount of Malathion 50% EC to 12 fl oz per gallon Do not exceed 1 gallon of spray mixture per acre per day when applying at the 12 fl oz rate Repeat applications as necessary Avoid applying oil-based formulations to plants as injury may occur

Fogger Application Mix 5 fl oz Malathion 50% EC in 1 gallon of water or oil-based carrier (such as kerosene, fuel oil or diesel oil) Apply using a thermal fogging unit Do not exceed 2½ gallons of dilute mixture per acre per day when applying at the 5 fl oz rate For heavy infestations, increase the amount of Malathion 50% EC to 12 fl oz per gallon Do not exceed 1

10/10

gallon of dilute mixture per acre per day when applying at the 12 fl oz rate Repeat applications as necessary Avoid applying oil-based formulations to plants as injury may occur

Seller warrants that this product complies with the specifications expressed in this label To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose To the extent consistent with applicable law, Seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price To the extent consistent with applicable law, Seller shall have no liability for consequential damages

Manufactured by
Bonide Products, Inc
6301 Sutliff Road
Oriskany, NY 13424

[Lot No added at production]

Bonide Malathion 50% EC

Optional Marketing Statements

Concentrate

Kills Mosquitoes, Grasshoppers, Thrips, Spider Mites, & Other Listed Insects

For Use on Listed Fruits, Vegetables & Ornamentals

Controls Scales, Thrips, Leafhoppers, Japanese Beetles, Codling Moth and Other Listed Sucking and Chewing Insects Also Controls Mosquitoes and Small Flying Insects Use on Asparagus, Tomatoes, Lettuce, Melons, Squash, Blackberries, Citrus Fruits, Listed Ornamental Plants and Shrubs [Ornamental herbaceous plants, ornamental non-flowering plants, ornamental woody shrubs and vines], Roses and Carnations, Plus Other Listed Fruits and Vegetables Read and Use According to Label Directions Apply Using a Tank Sprayer, Hose End Sprayer or Watering Can for listed fruits, vegetables and ornamental plants