UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460



OFFICE OF PREVENTION, PESTICIDES, AND TOXIC SUBSTANCES

SEP - 1 2009

Ms. Becky Horton Consultant/Agent for Bonide Products, Inc. P.O. Box 1019 Salem, VA 24153

Dear Ms. Horton:

Subject:

Submission of amended labeling per Use Deletion Guidance 4/22/09 and revised

May 2009 Malathion RED Label Table

Malathion 50% EC

EPA Registration No. 4-99

Submissions dated April 27, 2009

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:

- Add the company phone number to the company contact information on page 8 so that the consumers may obtain additional product specific information.
- On page 8 of the label, remove both copies of "For information on pesticide products... at 1-800-858-7378." This information appears in the "First Aid" box and does not need to flank the warranty statement.

The labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you submit two copies of your final printed label 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 sec. 6(e). Your release for shipment of the product bearing the amended label constitutes acceptance of this condition.

Additional label corrections may be needed pending submittal and review of your responses to the Malathion RED.

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.

Regards,

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



with COMENTS in EPA Letter Dated:
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
As amended, for the pesticide
Registered under EPA Reg. No.

MALATHION 50% EC

[Additional Brand Names: Bonide Cythion® Premium Grade Malathion 50% EC; Malathion Insect Control]

Optional Marketing Statement:

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

ACTIVE INGREDIENT:

Malathion (CAS #121-75-5)	50%
OTHER INGREDIENTS:	
TOTAL	100%

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

Cythion® is a registered trademark of the American Cyanamid Co., Inc., New York

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

NET CONTENTS:	NET	CONTENTS:	
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[SIDE/BACK/OTHER PANEL(S)]

FIRST AID				
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 em	ergency medical treatment information.			
If Swallowed:	• 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 Inhaled:	Move person to fresh air.			
	• If person is not breathing, call 911 or an ambulance, then give artificial			
	respiration, preferably by mouth-to-mouth, if possible.			
	• Call a poison control center or doctor for further treatment advice.			
If on Skin or	Take off contaminated clothing.			
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:	• 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.				
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.				

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or inhaled. Avoid breathing spray mist or contact with skin, eyes or clothing. May be absorbed through skin. Do not use on humans. Do not allow contact with treated surface until sprays have dried.

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 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

Pesticide Storage: This product should be stored in the original unopened 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 temparture 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.

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.

MOSQUITOES AND SMALL FLYING INSECTS:

NOTE: 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 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 and small flying insects.

Do not apply this product through any type of irrigation system.

DIRECTIONS

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.

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. 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, AND THE TREATED AREA HAS BEEN THOROUGHLY VENTILATED.

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.	¹ / ₄ to ³ / ₄ 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.	³ ⁄ ₄ to 2½ 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 1 ¹ / ₄ 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 1½ 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	½ to 1½ fl. oz. to	Do not exceed 1½
		applications per year – at least 7 days apart. Do not apply within 7 days of harvest.	cover 1,000 to 3,500 sq. ft.	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 11/4 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.

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, Gooseberries	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	aphids, mealybugs,	Spray thoroughly both	1 to 3 fl. oz. to cover	Do not exceed 3 fl.
plants (Roses,	spider mites, whitefly,	top and undersides of	1,000 sq. ft.	oz./1000 sq. ft. per
Chrysanthemums,	four-lined plant bug,	leaves until slightly		single application.
Carnations, Flower	Japanese beetle, potato	dripping as soon as		
Gardens), Ornamental	leafhopper, tarnished	insects appear.		Injury may occur on
non-flowering plants,	plant bug, thrips, rose	For woody shrubs and		ferns, hickory,
Ornamental woody	leafhoppers, European	vines do not exceed 2		viburnum lantana,
shrubs and vines	pine shoot moth, birch	applications per year -		crassula and
	leaf miner, boxwood	at least 10 days apart.	·	canaerti juniper.
	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			

Outdoors: Use a Bonide Malathion 2% to 5% area spray or fog using a thermal fogging unit. As a 2% area or patio spray, dilute 50% emulsifiable liquid 1 part to 25 parts water or 5 oz. to 1 gallon water. When using kerosene type solvents, such as fuel oil or diesel oil, as carriers, dilute 1 part 50% emulsifiable liquid in 25 parts of a mixture consisting of 4 parts kerosene type solvent and 1 part aromatic hydrocarbon type solvent. For 5%, dilute 1-11 using similar solvents. Repeat applications as necessary; but do not exceed 1 gallon dilute 5% solution per acre per day; do not exceed 2½ gallons dilute 2% solution per acre per day. Avoid applying oil-based formulations to plants as injury may occur.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

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.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents, call the National Pesticide Information Center at 1-800-858-7378.

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

[Lot No. added at production] EPA Reg. No. 4-99 8/31/09 – revised 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, Ornamentals, Roses and Carnations, Plus Other Listed Fruits and Vegetables. Mix 1 to 4 Tsp. per Gallon of Water, depending on the plant on which it is to be applied. Read and Use According to Label Directions. Apply Using a Tank Sprayer, Hose End Sprayer or Watering Can.