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

APR 21 1994

JAMES J. WURZ
BONIDE PRODUCTS INC.
2 WURZ AVENUE
YORKVILLE, N.Y. 13495

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 1/27/94 in Response to PR Notice 93-7
EPA Reg. No. 4-99
MALATHION 50% EC

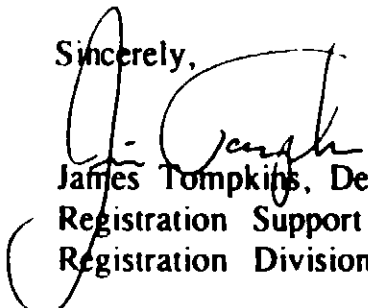
Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,


James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)



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contains at least 50% recycled fiber

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BONIDE®

CYTHON® PREMIUM GRADE
MALATHION
50% EC

FOR FLOWERS, EVERGREENS, SHRUBS,
SHADE TREES, THE
LISTED FRUITS AND VEGETABLES,
MOSQUITOES, SMALL FLYING INSECTS

ACCEPTED
with COMMENTS
in EPA Letter Dated

ADD 2/1/68
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
4-55

EPA Est. No. 4-NY-1 EPA Reg. No. 4-99

ACTIVE INGREDIENT

Malathion: 0,0-dimethyl phosphorodithioate of
diethyl mercaptosuccinate

INERT INGREDIENTS: 30%
..... 30%

Contains Xylene.

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

KEEP OUT OF REACH OF CHILDREN
CAUTION
See side panel for additional
precautionary statements.

NET CONTENTS:

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BUNIDE MALATHION 50% EC, EPA Reg. No. 4-00

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. When used indoors use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Do not induce vomiting. Get medical attention.
 If inhaled: Remove victim to fresh air and apply respiration if indicated.
 If on skin: Wash promptly with soap and water. Rinse thoroughly. Remove contaminated clothing and shoes. Wash clothing before reuse.
 If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Note to Physician: This product may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water, ~~or wet lands (i.e., swamps, bogs, marshes, and potholes)~~. 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 HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTION FOR USE

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

STORAGE AND DISPOSAL

Keep container tightly closed to prevent evaporation. Do not store near or contaminate feed, or foodstuffs. Do not reuse.

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BONIDE MALATHION 50% EC, EPA Reg. No. 4-99

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, and vegetables, ornamentals, and controls mosquitoes and small flying insects.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

DIRECTIONS

For proper mixing, the spray tank should be at least 1/2 filled with 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.

CROP	INSECTS	WHEN TO APPLY	AMOUNT		
ASPARAGUS	asparagus beetle, asparagus aphid	Make 2 or more applications as needed up to 1 day of harvest	2 1/2 tsp / gal water or 2 1/2 pts in 25/50 gals water per acre		
	thrips		2 tsp / gal water, or 2 pts / 25/50 gals water per acre		
BEANS (Lima Green Beans, Navy, Red Kidney, Wax, Common, Blackeye Peas)	Mexican bean beetle, spider mites, Japanese beetle, aphids, cucumber beetles	*Make full coverage applications weekly to stems and vines at base of plants. Consult Cooperative Agricultural Extension Service for proper timing	3 1/2 tsp / gal water or 3 1/2 pts in 25/50 gals water per acre		
TOMATOES	spider mites, aphids		1 1/2 tsp / gal water or 1 1/2 pts in 25/50 gals water per acre		
PUMPKINS	aphids, mites, squash vine borers*		3 tsp / gal water or 3 pts in 25/50 gals water per acre		
EGGPLANT	aphids, spider mites, leaf bugs		4 tsp / gal water or 4 pts in 25/50 gals water per acre		
ONIONS	thrips, onion maggot		2 1/2 tsp / gal water, or 2 1/2 pts in 25/50 gals water per acre		
PEPPERS	aphids		3 tsp / gal water or 3 pts in 25/50 gals water per acre		
	pepper maggot				
RUTABAGAS	aphids		1 1/2 tsp / gal water, or 1 1/2 pts in 25/50 gals water per acre		
SWEET POTATO	leafhoppers, morning glory leafminer		Make 2 or more applications as needed up to 3 days of harvest	3 tsp / gal water or 3 pts in 25/50 gals water per acre	
POTATOES (White or Irish)	spine chinch bug, aphids, leaf hoppers, weevils		Make 2 or more applications as needed up to 1 day of harvest	1 1/2 tsp / gal water or 1 1/2 pts in 25/50 gals water per acre	
LETTUCE	leafhoppers, aphids, cabbage looper	Make 2 or more applications as needed up to 7 days of harvest on head lettuce (14 days on leaf lettuce)	4 tsp / gal water or 4 pts in 25/50 gals water per acre		
CORN (Field Sweet and Pop)	aphids, ear beetle thrips	Make 2 or more applications as needed up to 5 days of harvest. Do not apply in the whorl at silk stage as injury may occur	2 tsp / gal water or 2 pts in 25/50 gals water per acre		
	grasshoppers	Make full coverage application in foliage when nymphs are young			
	corn earworm adults (for protection of silks)	Make full coverage application when adult beetles become abundant			
MELONS (Cantaloupes, Casabas, Casahuate, Honey Bell, Muskmelons, Persian Watermelons and hybrids of these)	aphids, spider mites, cucumber beetles	Make 2 or more applications as needed up to 3 days of harvest. Do not apply unless plants are dry	3 tsp / gal water or 3 pts in 25/50 gals water per acre		
SQUASH	aphids, spider mites, cutworms, squash vine borers*, cucumber beetles	Make full coverage applications weekly to stems and vines at base of plants. Consult Agricultural Cooperative Extension Service for proper timing	2 1/2 tsp / gal water or 2 1/2 pts in 25/50 gals water per acre		
CUCUMBER	aphids, spider mites, cucumber beetles	Make 2 or more applications as needed up to 7 days of harvest. (Turnips including tops & brussels - 3 days before - 7 days)			
CRUCIFEROUS AND LEAF VEGETABLES (Broccoli, Brussels sprouts, Cabbage, Cauliflower, Kale, Kohlrabi, Parsley, Swiss Chard, Turnips, Watercress, Cauliflower)	aphids, flea beetles (on mustard greens only), diamond back moth caterpillars (on cauliflower, collards, brussels sprouts and broccoli only), harlequin cabbage bug (on collards only)				
CELERY	spider mites, aphids				
SPINACH	aphids				
CARROTS	aphids, leafhoppers				
BEETS	aphids, leafhoppers				
ENDIVE	aphids, mites				
APPLES	woolly apple aphid, bud moth, leafhopper, green apple sawfly, apple leafhopper, apple sawfly, plum curculion and banded leaf roller, leaf miner			Start to spray when leaves first start to appear. Repeat at 10 day intervals until bloom. Do not spray during blossom period. Repeat at 14 day intervals after bloom up to 3 days before harvest. May cause injury to the leaves and terminal varieties of apple	Apply at the rate of 2 tsp / gal water or 2 pts / 100 gals water

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APRICOTS	codling moth, orange tortrix, tree pin scale, soft brown scale, aphids	Start to spray early in season. Repeat at 15 day intervals until bloom. Do not spray during bloom period. Repeat at 14 day intervals after bloom, up to 7 days of harvest	Apply at the rate of 1 1/2 tsp / gal. water or 1 1/2 pts./100 gals. water.
CHERRIES, PLUMS, PRUNES	black cherry aphid, fruit tree cater, cherry leaf fly, bird moth, double plum aphid.	Spray as for apricots, up to 3 days of harvest.	Apply at the rate of 1 1/2 tsp / gal. water, or 1 1/2 pts./100 gals. water
PEACHES	oriental fruit moth, plum curculion, green peach, black cherry, black peach, rusty plum aphid and Japanese beetle, tortricid, eastern peach scale	Spray as for apricots, up to 7 days of harvest	Apply at the rate of 2 tsp./gal water, or 2 pts./100 gals. water
CITRUS — grapefruit, lemons, limes, oranges, tangerines, tangorin, kumquats	California red, yellow, purple, black (single and all branched), white, citricola scales, Florida red and purple scales (light & medium infestations), thrips		
PEARS	sanitarybugs, scales, pear psylla, codling moth, plum curculion, fruit tree & red banded leaf rollers	Spray as for apricots, up to 1 day of harvest.	
BLACKBERRIES, BOYSHERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES	mites, thrips, leafhoppers, Japanese beetles, aphids, rose scale, sap beetle	Make 2 or more applications up to day of harvest	3 tsp./gal. water, or 3 pts / 100 gals. water per acre
BLUEBERRIES	Japanese beetle		1 1/2 tsp./gal. water, or 1 1/2 pts /100 gals water per acre.
STRAWBERRIES	aphids, spider mites, lygus bug, aphidbugs, field crickets, thrips, potato leafhopper, strawberry leaf roller, whiteflies	Make 2 or more applications up to 3 days of harvest	1 1/2 tsp./gal. water, or 1 1/2 pts./100 gals. water per acre.
	strawberry root weevil	Apply to soil surface before planting and work into top 6 to 8 inches of soil.	
ORNAMENTALS	aphids, mealybugs, spider mites, whitefly, four leafed plant bug, Japanese beetle, potato leafhopper, tar-socked plant bug, thrips, rose leaf hoppers, European pine shoot moth, burch leaf miner, diamond leaf miner, bagworms, and caterpillar	Spray thoroughly both top and under-sides of leaves until slightly dripping as soon as insects appear. Repeat as needed. Injury may occur on ferns, beeches, yuccas, laurels, cactuses and anemone juniper.	2 tsp./gal. water, or 2 pts / 100 gals water per acre
	soil borers, scale pine leaf, magnolia, flat-top, Florida red, juniper black, curly, European, apple shell, mandarin pine, soil pine needle scale		4 tsp./gal. water, or 4 pts./ 100 gals. water per acre.
ORNAMENTAL GREENHOUSE (in and around greenhouses and flower gardens)	millipedes, springtails, sowbugs	Apply when insects appear. Repeat at 7-10 day intervals as needed.	1 tsp./gal water, and apply to 150 sq. ft. of soil surface
ROSES, CHRYSANTHEMUMS, CARNATIONS	aphids, whiteflies, mealybugs, thrips, two spotted mite	Spray thoroughly both top and under-sides of leaves until slightly dripping as soon as insects appear. Repeat as needed.	2 tsp./gal water

MOSQUITOES AND SMALL FLYING INSECTS

NOTE: MALATHION 50% EC MAY CAUSE SPOTTING ON AUTOMOBILE PAINT FINISH. CARS SHOULD NOT BE SPRAYED DIRECTLY. IF ACCIDENTIAL EXPOSURE OCCURS, THE CAR SHOULD BE WASHED IMMEDIATELY.

Outdoors: Use a Bonide Malathion 2% to 5% area spray, fog or aerosol. 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. Avoid applying oil-based formulations to plants as injury may occur.

Buyer's Guarantee Limited to Label Claims.

Mfg. by BONIDE PRODUCTS, INC., YORKVILLE, NY 13495

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