

BLACKBERRIES, BOYSENBERRIES, RASPBERRIES, LOGANBERRIES, RUBBERRIES	mites, thrips, leafhoppers, Japanese beetle, aphids, rose scale, sap beetle	Make 2 or more applications up to day of harvest	3 tsp./gal. water or 1 pts. / 100 gals. water per acre
BERRY FRUIT	aphid, beetle		1 1/2 tsp./gal. water or 1 pt. 100 gals. water per acre
RAW FRUIT	aphids, spider mites, lygids, bug, caterpillar, field crickets, thrips, po- tato leafhopper, strawberry leaf roller, whiteflies	Make 2 or more applications up to day of harvest	1 1/2 tsp./gal. water or 1 pt. 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-lined plant bug, Jap- anese beetle, potato leafhopper, tar- nished plant bug, thrips, rose leaf hopper, European pine shoot moth, birch leaf miner, boxwood leaf miner, hawthorn tent 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, hickory, viburnum, lantana, crassula and cineraria juniper	2 1/2 tsp./gal. water or 1 pt./ 100 gals. water per acre
	oak kermes, azalea, pine leaf mag- nolia, Fletcher, Florida red, juniper black, surfy, Echinium, oyster shell, monterey pine, soft, pine needle scales		4 tsp./gal. water or 4 pts./ 100 gals. water per acre
ORNAMENTAL GREENHOUSE PLANTS (and around greenhouses and flower yards)	millipede, 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, CHRYSAANTHEMUM, 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

Buyer's guarantee limited to label claims

1974 & Mfg. by Bonide Chemical Co., Inc., Yorkville, N.Y. 13495



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 household pets or humans.

This product is toxic to fish, shrimp and crabs. Keep out of lakes, ponds, streams, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

Keep container tightly closed to prevent evaporation. Do not store near or contaminate feed or foodstuffs. Do not use, pour, spill or store near heat or open flame. Do not reuse container. Bury in a safe place.

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

STORED GRAINS — For the protection of stored grains (wheat, oats, rice, corn, rye, barley, grain sorghum), and field or garden seeds against accessible exposed stages of confused flour beetle, rice weevil, granary weevil, saw-toothed grain beetle, flat grain beetle, red flour beetle, rusty grain beetle, lesser grain borer, Indian meal moth, and for control of cereal leaf beetles, if they are present, apply as follows:

RESIDUAL SPRAY — BEFORE STORING GRAINS: For a residual wall, floor, and machinery spray in grain elevators, in treating truck beds, box cars, and ships' holds before loading grain, apply 1 gallon per 25 gallons of water making thorough application. Before applying spray, clean elevators, box cars, etc., thoroughly. Remove and burn all sweepings and debris. Wear respirator. Wear protective clothing to minimize skin exposure

GRAINS GOING INTO STORAGE: Apply 1 pint in 2-5 gallons of water per 1,000 bushels. Apply as the grain

[4-99]

DIRECTIONS

For proper mixing, the spray tank should be at least $\frac{3}{4}$ filled with water before MALATHION 50% E 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. in 25/50 gals. water per acre	
BEANS (Lima, Green, Snap, Navy, Red, Kidney, Wax, Cowpeas, Black-eyed Peas)	Mexican bean beetle, spider mites, Japanese beetle, aphids, cucumber beetle			
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*	Make 2 or more applications as needed up to 3 days of harvest. *Make full coverage applications weekly to stems and vines at base of plants. Consult Cooperative Agricultural Extension Service for proper timing.	3 tsp./gal. water, or 3 pts. in 25/50 gals. water per acre	
EGGPLANT	aphids, spider mites		4 tsp./gal. water, or 4 pts. in 25/50 gals. water per acre	
	lace bugs			
ONIONS	thrips, onion maggots		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 maggots			
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)	false chinch bugs, aphids, leafhoppers, mealybugs	Make 2 or more applications as needed up to 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, sap beetle, thrips	Make 2 or more applications as needed up to 5 days of harvest. Do not apply in the whorl or 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 to foliage when nymphs are young.		
	corn rootworm adults (for protection of silks)	Make full coverage application when adult beetles become abundant.		
MELONS (Cantaloupes, Casabas, Crenshaws, Honeydews, Honey Balls, Muskmelons, Persians, Watermelons (and hybrids of these))	aphids, spider mites, cucumber beetles	Make 2 or more applications as needed up to 1 day 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, pickleworm, 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.		
CUCUMBER	aphids, spider mites, cucumber beetles			
COLE CROPS AND LEAFY VEGETABLES Broccoli, Brussels sprouts, Cabbage, Collards, Dandelions, Kale, Kohlrabi, Mustard Greens, 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)	Make 2 or more applications as needed up to 7 days of harvest. (Turnips (including tops) & Broccoli — 3 days, parsley — 21 days).		
CELERY	spider mites, aphids			
SPINACH	aphids			
CARROTS	aphids, leafhoppers			
BEETS	aphids, leafhoppers		2 1/2 tsp./gal. water, or 2 1/2 pts. in 25/50 gals. water per acre.	
ENDIVE	aphids, mites		1 1/2 tsp./gal. water or 1 1/2 pts. in 25/50 gals. water per	

Broccoli, Brussels sprouts, Cabbage, Collards, Banded Greens, Kale, Kohlrabi, Mustard Greens, Parsley, Swiss Chard, Turnips, Watercress, Cauliflower	small greenish black moth caterpillars (on cauliflower, collards, brussels sprouts and broccoli only), harlequin cabbage bug (on collards only)	up to 7 days of harvest. (Turnips (including tops) & Broccoli — 3 days, parsley — 21 days).	
CELERY	spider mites, aphids		
SPINACH	aphids		
CARROTS	aphids, leafhoppers		
BEETS	aphids, leafhoppers		2½ tsp./gal. water, or 2½ pts. in 25/50 gals. water per acre.
ENDIVE	aphids, mites		1½ tsp./gal. water or 1½ pts. in 25/50 gals. water per acre.
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 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 McIntosh and Cortland varieties of apple.	Apply at the rate of 2 tsp./gal. water, or 2 pts./100 gals. water
APRICOTS	codling moth, orange tortrix, terrapin scale, soft brown scale, aphids	Start to spray early in season. Repeat at 10 day intervals until bloom. Do not spray during blossom period. Repeat at 14 day intervals after bloom, up to 7 days of harvest.	Apply at the rate of 1½-2 tsp./gal. water or 1½-2 pts./100 gals. water.
CHERRIES, PLUMS, PRUNES	black cherry aphid, fruit tree roller, cherry fruit fly, bud moth, mealy plum aphid.	Spray as for apricots, up to 3 days of harvest.	Apply at the rate of 1½ tsp./gal. water, or 1½ pts./100 gals. water
PEACHES	oriental fruit moth, plum curculio, green peach, black cherry, black peach, rusty plum aphids and Japanese beetle, terrapin, cottony peach scales	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, tangelos, kumquats	California red, yellow, purple, black (single and off brooded), soft, citricola scales, Florida red and purple scales (light & medium infestations), thrips		
PEARS	mealybugs, mites, pear psylla, codling moth, plum curculio, fruit tree & red banded leaf rollers	Spray as for apricots, up to 1 day of harvest.	
BLACKBERRIES, BOYSENBERRIES, 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		1½ tsp./gal. water, or 1½ pts./100 gals. water per acre.
STRAWBERRIES	aphids, spider mites, lygus bug, spittlebugs, field crickets, thrips, potato leafhopper, strawberry leaf-roller, whiteflies	Make 2 or more applications up to 3 days of harvest.	1½ tsp./gal. water, or 1½-3 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-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	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, hickory, viburnum, lantana, crassula and canaerti juniper.	2 tsp./gal. water, or 2 pts./100 gals. water per acre
	oak kermes, azalea, pine leaf, magnolia, Fletcher, Florida red, juniper black, surfy, Euonymus, oyster shell, monterey pine, soft, 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

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RESIDUAL SPRAY — BEFORE STORING GRAINS: For a residual wall, floor, and machinery spray in grain elevators, in treating truck beds, box cars, and ships' holds before loading grain, apply 1 gallon per 25 gallons of water making thorough application. Before applying spray, clean elevators, box cars, etc., thoroughly. Remove and burn all sweepings and debris. Wear respirator. Wear protective clothing to minimize skin exposure.

GRAINS GOING INTO STORAGE: Apply 1 pint in 2-5 gallons of water per 1,000 bushels. Apply as the grain is being loaded or turned into final storage.

AFTER GRAINS ARE STORED: To protect stored grains from attack by Indian meal moth, apply to the surface of clean or uninfested grain at the rate of $\frac{1}{2}$ pint in 1-2 gallons of water per 1,000 square feet of grain surface area. Apply the spray evenly over the surface of the grain. Apply immediately after grain is loaded into storage and repeat if necessary.

RESIDUAL SPRAY — BOX CARS FOR LOADING AND TRANSPORTING BAGGED FLOUR AND PACKAGED CEREALS. For the control of confused flour beetle, rice weevil, granary weevil, saw-toothed grain beetle, flat grain beetle, red flour beetle, rusty grain beetle, lesser grain borer, Indian meal moth and mite pests infesting empty box cars into which bagged flour and packaged cereals are to be loaded and transported, apply as follows:

1. Clean the box cars thoroughly, then remove and burn all sweepings and debris.
2. Spray walls and floor to the point of run-off with either 1 gallon of MALATHION 50%E in 25 gallons of water, or one gallon of MALATHION 50%E in 19 gallons of deodorized kerosene. (The deodorized kerosene solution should be made up of 4 parts kerosene type solvent plus one part aromatic hydrocarbon type solvent.)
3. Let the sprayed box car stand empty with the doors open until the spray has thoroughly dried.