

BONIDE

A COMPLETE

FRUIT TREE SPRAY

(Powder)

1973

REGISTERED

ACTIVE INGREDIENTS:

Captan N-(trichloromethyl)thio]-4-cyclohexene 1,2-dicarboximide

Methoxychlor, technical

Malathion (O, O-Dimethyl dithiophosphate of diethyl mercaptosuccinate)

INERT INGREDIENTS:

Equivalent to 13.2% of 2,2-bis (p-methoxyphenyl) 1,1,1-trichloroethane and 1.8% of other isomers and reaction products.

EPA Reg. No. 102-118

CAUTION: KEEP OUT OF REACH OF CHILDREN

Avoid inhalation of dust or spray. Avoid contact with skin. In case of contact and after use, wash thoroughly.

Avoid contamination of feed and foodstuffs or feeding dishes of pets. Store in a cool, dry place. To avoid excessive residue at harvest, do not apply within time limits given in table. Remove residues before eating or canning by washing or wiping. Injury may occur on certain ferns or crassula (stone crop).

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not reuse container. Bury in a safe place.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

4 LBS NET WEIGHT

DIRECTIONS

Use Bonide Fruit Tree Spray to control insect pests and diseases common to home fruit plantings. It is a complete, ready-to-use, tank-mixable, hand or hose-end spray. Where nozzle plugging is a problem, use the spray by hand. To control insects and diseases common to home fruit plantings, use Bonide Fruit Tree Spray in the following manner:

1. To control insects, apply Bonide Fruit Tree Spray to the leaves of trees or plants. Apply to the undersides of leaves where insects are most active.

2. To control diseases, apply Bonide Fruit Tree Spray to the leaves of trees or plants. Apply to the undersides of leaves where diseases are most active.

3. To control diseases, apply Bonide Fruit Tree Spray to the trunk of trees or plants. Apply to the trunk where diseases are most active.

FRUIT	INSECTS DISEASES	SPRAY CHART							
		DORMANT	GREEN TIP	PRE BLOOM	FULL PINK	BLOOM	PETAL FALL	1ST COVER TO HARVEST	2ND COVER TO HARVEST
APPLE	apple maggot, apple leaf-miner, black-pink apple-leaf-miner, apple scab, brown rot, cedar-rust, codling-moth, European fruit-licean scale, European fruit-lecanium scale, fire-blight, fruit-tree-leaf-roller, Japanese beetle, leaf-miner, Oriental fruit-moth, plum curculio, rosy apple-aphid, scab, star-blight, white-powdery-mildew, winter-apple-licean scale	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs
		Start and repeat at seven-day intervals until bloom	Repeat at 10 day intervals up to 7 days before harvest						
APRICOT	apricot brown-rot, European fruit-lecanium scale, soft-brown-scale	2 tbs 3 tbs	4 tbs 6 tbs	4 tbs 6 tbs	4 tbs 6 tbs	4 tbs 6 tbs	4 tbs 6 tbs	4 tbs 6 tbs	
		Start and repeat at seven-day intervals until bloom	Repeat at 14 day intervals up to 21 days before harvest						
CHERRY	brown-rot, European fruit-lecanium scale, fire-blight, fruit-tree-leaf-roller, Japanese beetle, plum curculio	2 tbs	4 tbs	4 tbs	4 tbs	4 tbs	4 tbs	4 tbs	
		Start and repeat at seven-day intervals until bloom	Repeat at 14 day intervals up to 7 days before harvest						
PLUM*	European fruit-lecanium scale, Japanese beetle, leaf-miner, Oriental fruit-moth, plum curculio, rosy plum-aphid, scab, star-blight, white-powdery-mildew, winter-plum-licean scale	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	
		Start and repeat at 10 day intervals until bloom	Repeat at 10 day intervals up to 21 days before harvest						
PEAR*	European fruit-lecanium scale, Japanese beetle, leaf-miner, Oriental fruit-moth, plum curculio, rosy plum-aphid, scab, star-blight, white-powdery-mildew, winter-plum-licean scale	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	
		Start and repeat at seven-day intervals until bloom	Repeat at 10 day intervals up to 7 days before harvest						
PLUM PEACHES	European fruit-lecanium scale, Japanese beetle, leaf-miner, Oriental fruit-moth, plum curculio, rosy plum-aphid, scab, star-blight, white-powdery-mildew, winter-plum-licean scale	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	2 heaping tbs	
		Start and repeat once before bloom	Repeat at 10 day intervals up to 7 days before harvest						

Cameraman's Note

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WOOLLYS — SHADE TREES — SHRUBS — To control aphids, four-lined leaf bug, Jap beetles (adults), lace bugs, leafhoppers, tarnished plant bug, whitefly, bagworm, tent caterpillar and spider mites, apply at the rate of 2 heaping tablespoons per gallon of spray water (1 oz / gal), 14 oz / 13 gal, 4 lbs / 60 gals water in spring when insects are active. Repeat 1 or 2 full coverage applications at 10 day intervals.

To control birch leaf-miner, boxwood leaf-miner, oak kermes, Azalea, Fletcher, Florida red, Juniper, Pine Leaf, Magnolia scales, apply at the rate of 5 tbs / gal water (2 1/4 oz / gal), 14 oz / 5 1/4 gals, 4 lbs / 24 gals water as directed above.

To control mealybugs, thrips, European pine shoot moth, millipedes, springtails, sowbugs and euonymus and scurfy scales, apply at the rate of 4 tbs / gal water (2 oz / gal), 14 oz / 6 1/2 gal, 4 lbs / 30 gals water as directed above.

To control oyster shell scale, apply at the rate of 3 tbs / gal water (1 1/2 oz / gal), 14 oz / 8 1/4 gals, 4 lbs / 40 gals water as directed above.

To control black and soft brown scales, apply at the rate of 6 tbs / gal water (3 oz / gal), 14 oz / 4 1/2 gal, 4 lbs / 20 gals water as directed above.

To control pine needle scale, apply at the rate of 10 tbs / gal water (5 oz / gal), 28 oz / 5 1/4 gals, 8 lbs / 24 gals water as directed above.

GRAPES — To control flea beetles, grape leaf skeletonizers, leafhoppers, rose chafers, grape berry moths, spider mites, black rot, downy mildew, bunch rot (baldy's), dead-ear disease and starry rot, apply at the rate of 2 heaping tbs / gal water (1 oz / gal), 14 oz / 13 gal, 4 lbs / 60 gals water. Make 2 applications before blossoming and 3 or 4 applications from 10 to 15 day intervals following blossoming. Bunch rot (botrytis): Make 2 applications before bloom, 1 just after bloom, and repeat periodically to make 3 cover applications before bunches close. Dead-ear disease: Begin when new shoots are 6 to 8 inches long. Repeat 2 weeks later and again before bunches close. Storage rot: Make 1 application before bloom, once after bloom, and three times before bunches close.

To control European fruit lecanium scale and mealybugs, apply at the rate of 4 tbs / gal water (2 oz / gal), 14 oz / 6 1/2 gals, 4 lbs / 30 gals water as directed above.

STRAWBERRIES — To control flea beetles, strawberry leaf beetles, strawberry root weevil, strawberry leafroller, spider mites, potato leafhopper and botrytis rot (gray mold) leaf spots, apply at the rate of 2 heaping tablespoons / gal water (1 oz / gal), 14 oz / 13 gal, 4 lbs / 70 gals water. Begin at new growth. Repeat at 7 day intervals.

To control whitefly, gall midge, aphids, field crickets, apply at the rate of 4 tbs / gal (2 oz / gal), 14 oz / 6 1/2 gal, 4 lbs / 30 gals, as directed above.

DORMANT
FRUIT
TREE
SPRAY
LIQUID

BONIDE COMPOUND FRUIT TREE SPRAY LIQUID is a dormant oil which is used to control certain insect pests and diseases common to home fruit plantings. It can also be used for control of scale, worms, shade trees, and grape vines. Spray liquid is applied by tank, trap, hand or hose end sprayers. Where nozzle plugging is a problem, use **BONIDE COMPOUND FRUIT TREE SPRAY LIQUID**.

DIRECTIONS

Use in still periods for application. Early morning or evening is best. Use waste by blow away and blow back on applicator. Make thin paste first with powder, then dilute with balance of water to make quantity desired. Do not apply in late spray. Keep powder in suspension. Spray trees or plants lightly but thoroughly cover all parts of plant or tree, particularly undersides of leaves. Do not apply if rain is expected shortly after application. It is easier to prevent disease and scale damage than to cure same.

FRUIT	INSECTS/DISEASES	DORMANT	SPRAY CHART						
			GREENTIP	PRE BLOOM	FULL PINK	BLOOM	PETAL FALL	1ST COVER	2ND COVER TO HARVEST
APPLE	apple maggot, codling moth, Jap. beetles, leafhoppers, plant hoppers, aphids, bud moth, Turkey scale, red banded leaf roller, mites, bitter rot, black rot, brown leaf spot, blight, powdery mildew, scab, Botrytis rot, honeydew, fire blight, fruit spot, flyspeck, cedar rust, quince rust, scab, scurfy bark, eastern tent caterpillar	Dormant sprays are recommended. Use Bonide Dormant Oil up to 7 days before Green Tip application.	1 heaping tbs.	2 heaping tbs.	2 heaping tbs.	Don't spray pollinators. Use Bonide Sulphur Fungicide active for 4 weeks.	2 heaping tbs.	2 heaping tbs.	2 heaping tbs.
			Start and repeat at seven day intervals until bloom				Repeat at 10 day intervals up to 7 days before harvest		
APRICOT	plum curculio, orange tort, scale, brown rot, leaf blight, spider mite, codling moth, European fruit lecanium scale, soft brown scale		1 heaping tbs.	2 heaping tbs.	2 heaping tbs.		2 heaping tbs.	2 heaping tbs.	2 heaping tbs.
			Start and repeat at seven day intervals until bloom				Repeat at 14 day intervals up to 21 days before harvest		
CHERRY	cherry fruit flies, cherry fruit worms, black cherry, scale, bud moth, Jap. beetle, plum curculio, Botrytis rot, brown rot, leaf spot, fruit tree leaf roller		1 heaping tbs.	2 heaping tbs.	2 heaping tbs.		2 heaping tbs.	2 heaping tbs.	2 heaping tbs.
			Start and repeat at seven day intervals until bloom				Repeat at 14 day intervals up to 7 days before harvest		
PEACH*	plum curculio, Jap. beetle, spider mite, oriental fruit moth, European fruit lecanium, scale, colony peach scales, green peach, black cherry, black peach, rusty plum aphids, brown rot, rhizopus, scab, brown rot (blossom blight), coryneum blight		1 heaping tbs.	2 heaping tbs.	2 heaping tbs.		2 heaping tbs.	2 heaping tbs.	2 heaping tbs.
			Start and repeat at 10 day intervals until bloom				Repeat at 10 day intervals up to 21 days before harvest		
PEAR*	codling moth, pear slug, fruit tree leaf roller, pear psylla, plum curculio, red banded leaf roller, mites, leaf curl, scab, mealybugs		1 heaping tbs.	2 heaping tbs.	2 heaping tbs.		2 heaping tbs.	2 heaping tbs.	2 heaping tbs.
			Start and repeat at seven day intervals until bloom				Repeat at 10 day intervals up to 7 days before harvest		
PLUM	plum curculio, mealy plum aphid, bud moth		1 heaping tbs.	2 heaping tbs.	2 heaping tbs.		2 heaping tbs.	2 heaping tbs.	
FRUIT	brown rot, russet or leaf scale		Start and repeat once before bloom				Repeat at 10 day intervals up to 7 days before harvest		

FLOWERS — SHADE TREES — SHRUBS — To control aphids, four-lined leaf bug, Jap. beetles (adults), lace bugs, leafhoppers, tarnished plant bug, whitefly, bagworm, tent caterpillar and spider mites, apply at the rate of 2 heaping tablespoons per gallon of spray water (1 oz./gal.), 14 oz./13 gal., 4 lbs./60 gals. water, in spring when insects are active. Repeat 1 or 2 full coverage applications at 10 day intervals.

To control birch leaf miner, boxwood leaf miner, oak kermes, Azalea, Fletcher, Florida red, Juniper, Pine Leaf, Magnolia scales, apply at the rate of 5 tbs./gal. water (2 1/4 oz./gal.), 14 oz./13 gal., 4 lbs./24 gals. water as directed above.

To control mealybugs, thrips, European pine shoot moth, millipedes, springtails, sowbugs and euonymus and scurfy scales, apply at the rate of 4 tbs./gal. water (2 oz./gal.), 14 oz./6 1/2 gal., 4 lbs./30 gals. water, as directed above.

To control oyster shell scale, apply at the rate of 3 tbs./gal. water (1 1/2 oz./gal.), 14 oz./8 3/4 gals., 4 lbs./40 gals. water as directed above.

To control black and soft brown scales, apply at the rate of 6 tbs./gal. water (3 oz./gal.), 14 oz./4 3/8 gal., 4 lbs./20 gals., as directed above.

To control pine needle scale, apply at the rate of 10 tbs./gal. water (5 oz./gal.), 28 oz./5 1/4 gals., 8 lbs./24 gals. water as directed above.

GRAPES — To control flea beetles, Jap. beetles, grape leaf skeletonizers, leafhoppers, rose chafers, grape berry moths, spider mites, black rot, downy mildew, bunch rot (botrytis), dead-arm disease and storage rot, apply at the rate of 2 heaping tbs./gal. water (1 oz./gal.), 14 oz./13 gals., 4 lbs./60 gals. water. Make 2 applications before blossoming and 3 or 4 applications at 10 to 15 day intervals following blossoming. Bunch rot (botrytis): Make 2 applications before bloom, 1 just after bloom, and repeat periodically to make 3 cover applications before bunches close. Dead-arm disease: Begin when new shoots are 6 to 8 inches long. Repeat 2 weeks later and again before bunches close. Storage rot: Make 1 application before bloom, once after bloom, and three times before bunches close.

To control European fruit lecanium scale and mealybugs, apply at the rate of 4 tbs./gal. water (2 oz./gal.), 14 oz./6 1/2 gals., 4 lbs./30 gals. water, as directed above.

STRAWBERRIES — To control flea beetles, spittlebugs, strawberry leaf beetles, strawberry root weevil, strawberry leafroller, spider mites, potato leafhopper and botrytis rot (gray mold) leaf spots, apply at the rate of 2 heaping tablespoons/gal. water (1 oz./gal.), 14 oz./13 gals., 4 lbs./40 gals. water. Begin at new growth. Repeat at 7 day intervals.

To control mealybugs, scale, aphids, field crickets, apply at the rate of 4 tbs./gal. (2 oz./gal.), 14 oz./6 1/2 gal., 4 lbs./30 gals., as directed above.

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