



Problem Area	Pests	Rate and Area Covered
Lawns Bent, Bermuda, Bluegrass, Di- xon's, Fescue, Kentucky, St. Augustine	Ants, Armyworms, Bermudagrass Tritops, Brown Dog Ticks*, Chiggers, Crickets, Cutworms, Earwigs, Fleas, Flea Beetles, Lawn Beetles*, Leaf beetles, Lawn Moths (Sod Web- worms), Leafhoppers, Mites (Bermuda Clover), Seabugs (Wings) Spring to Fall (Colorado)	Thoroughly wet grass a few hours before applying 1 fl. oz. in 3 gals. of water covers 125 sq. ft. 8 fl. oz. in 24 gals. of water covers 1000 sq. ft.
	*Brown Dog Ticks: Do not apply to an area in particular spray under shrubs and the grass next to house **Lawn Beetles: Water the lawn thoroughly immediately after treatment	
	In the North, if Chinch Bugs are the only lawn insect problem, a lower rate of application can be used: 1 fl. oz. in 3 gals. of water covers 125 sq. ft.	
	Milipedes: 2 fl. oz. in 3 gals. of water covers 125 sq. ft. Thoroughly wet grass a few hours before applying	
	Ants: Digger Wasps*	1 fl. oz. in 3 gals. of water covers 125 sq. ft. Spot spray ant hills and wasp ground nest openings
	*Make the application when the wasps are not active	
	Billbugs*, White Grubs** of Japanese Beetle, European Chafers, Southern Chafers	1 fl. oz. in 3 gals. of water covers 125 sq. ft. Water grass thoroughly after application
	*Billbug control: Apply when activity is first observed or when chafers or bean grass is present, indicating damage from the insect **Grub Control: Make application any time between late July and early October	
	Hyperodes Weevil (New York Only)	3/4 fl. oz. in 3 gals. of water covers 125 sq. ft. Water grass thoroughly after application Treat problem areas in mid April and again in mid May

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Trees & Shrubs Azalea, Birch, Boxwood, Cam- ellia, Dogwood, Forsythia, Holly, Juniper, Lilac, Magnolia, Maple, Pine, Spruce, Yew	Aphids, Barkworms, European Pine Shoot Moths, Holly Bird Moths, Dis- torted Leaf Miners (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leaf hoppers, Mealybugs, Mites (Clover, Cyclamen, European Red Pine), Two- spotted Spider, Obscure Root Weevils, Omnivorous Leaf Tiers, Scale Crawlers (Cottony-cushion, Eucynipus, Lecan- ium, Pine Needle, Pitt Scale, San Jose, Soft)	Wet leaves and branches to the dripping point. Try to penetrate dense foliage. 1 fl. oz. in 3 gals. of water Apply as a thorough foliar spray
	Webworms (Juniper, Menesia*), White- flies	1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray
	*Mimosa Webworms: Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals	
	Apple and Thorn Skeletonizers, Hemlock Chermes, Oak Looper, Ob- lique-banded Leaf Roller, Pear Slugs, Tent Caterpillars, Webworms (Cotton- easter, Fall)	3 fl. oz. in 3 gals. of water Apply as a thorough foliar spray
Roses & Flower Azalea, Camel- lia, Carnations, Cyclamen, Gladi- oli, Lilac, Phlox, Pinks, Roses	Aphids, Eucynipus Scale Crawlers, Flea Beetles, Distorted Leaf Miners, Leafhoppers, Mealybugs, Mites (Carnation Bird, Carnation Shoot, Cy- men, European Red, Two spotted Spider), Thrips, Whiteflies	Wet the plants to the drip- ping point. Try to hit under- side of leaves and penetrate dense foliage. 1 fl. oz. in 3 gals. of water Apply as a thorough foliar spray

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Fruits & Nuts Almonds, Filberts, Pecans, Walnuts	Aphids, Nut Casemaker (pecans), Scale Crawler, Spider Mites	1/4 fl. oz. in 3 gals. of water Apply as a full cover spray Do not apply after husks open or split
Apples, Pears	Aphids, Codling Moths, Eye spotted Bud Moths, Fruit Tree Leaf Rollers, Leaf- hoppers, Tentiform Leaf Miners (pear), Maggots (apple), Mealybugs, Mites (European Red, Clover [brown], Pacific, Two-spotted spider), Psylla (pear), Scale Crawlers (Cottony-cushion, San Jose, Forbes, Soft)	1 fl. oz. in 3 gals. of water. Apply as a full cover spray On apples, slight russeting may occur on some varieties such as Golden Delicious
Apricots, Peaches, Nectarines	Aphids, Apricot Mealybug (apricot), Mites (Clover [brown], Two spotted), Scale Crawlers (Olive, San Jose)	1 fl. oz. in 3 gals. of water Apply as a full cover spray
Cherries	Black Cherry Aphid, Cherry Fruit Fly, Cherry Fruitworm (Maggot), Fruit Tree Leaf Roller, Mites (Cherry Rust), Scale Crawlers (San Jose)	1 fl. oz. in 3 gals. of water Apply as a full cover spray
Plums, Prunes	Aphids (Leaf Curl, Plum, Mealy Plum Thistle), Mites (Clover [brown], European Red)	1 fl. oz. in 3 gals. of water Apply as a full cover spray
Careberries (blackberries, boysenberries, dewberries, loganberries, raspberries)	Aphids, Leafhoppers, Raspberry Sawfly, Raspberry Fruitworm, Two-spotted Mites, Thrips	1 fl. oz. in 3 gals. of water Apply as a full cover spray
B. cherries	Aphids, Blueberry Maggot, Cranberry Fruitworm, Cherry Fruitworm (Maggot), Two-spotted Mites, Thrips	1 fl. oz. in 3 gals. of water Apply as a full cover spray

Problem Area	Pests
Strawberries	Aphids, Two-spotted Leaf Roller
Grapes	Aphids, Grape Leaf- hoppers, Leaf- Crawlers
*The following is a list of the minimum this product and harvest of each crop	
5 days - Strawberries	
7 days - Blueberries, Caneberries	
10 days - Apricots, Cherries, Grapes	
14 days - Apples, Pears	
21 days - Peaches	
*Vegetables — Foliar Application	
Thoroughly spray every 7-10 days	
Beans, Peas	Aphids, Cucurbit hoppers, Leaf- beetles, Mites
Cabbage, Cauliflower, Collards, Broccoli, Kale, Radishes, Turnips	Aphids, Diamond- backed, im- perfect, Dipterous Leaf
Carrots, Celery, Endive, Lettuce, Parsnip, Spinach	Aphids, Flea Be- etles, Dipterous Leaf
Cantaloupes, Cucumbers, Mushrooms, Squash (Summer, Winter) Watermelon	Aphids, Thrips



Problem Area	Pests	Rate and Area Covered
Wet grass a few before applying 3 gals. of water 5 sq. ft. 24 gals. of water 50 sq. ft. spray under immediately after problem, a time of water covers 125 5 sq. ft. 3 gals. of water 5 sq. ft. Spot spray was ground rest 3 gals. of water 5 sq. ft. Water grass after application or when chewed the insect late July and early 3 gals. of water 5 sq. ft. Water grass per application in mid in mid May	Trees & Shrubs Alder, Birch, Spruce, Fir, Dogwood, Fr. Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Norway Spruce, Oak, Pear, Plum, Red Cedar, Spruce, Willow Aphids , Bagworms, European Pine Shoot Moths, Holly Bud Moths, Oysterous Leaf Miners (Arbutus, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red Pine, Two-spotted Spider), Obscure Root Weevils, Oysterous Leaf Yers, Scale Crawlers (Cottony cushion, Eucalyptus, Lecanum, Pine Needle, Pin Scale, San Jose, Soft) Webworms (Juniper, Mimosa*), Whiteflies *Mimosa Webworms. Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals. Apple and Thorn Skeletonizers , Hemlock Cherries, Oak Looper, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars, Webworms (Cotton-wool, Fall)	Wet leaves and branches to the dripping point. Try to penetrate dense foliage. 1 fl. oz. in 3 gals. of water Apply as a thorough foliar spray 1 fl. oz. in 3 gals. of water Apply as a thorough foliar spray 1 fl. oz. in 3 gals. of water Apply as a thorough foliar spray 3 fl. oz. in 3 gals. of water Apply as a thorough foliar spray 1 fl. oz. in 3 gals. of water Apply as a thorough foliar spray
Flower & Planting Aster, Camellia, Carnation, Chrysanthemum, Gladiolus, Lilac, Rhododendron, Rose	Aphids , Eucalyptus Scale Crawlers, Flea Beetles, Dipterous Leaf Miners, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies.	Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage. 1 fl. oz. in 3 gals. of water Apply as a thorough foliar spray

Problem Area	Pests	Rate and Area Covered
Fruits & Nuts Almonds, Filberts, Pecans, Walnuts	Start spraying after blooming. Applications should be made according to infestation or when aphids, mites and crawler stages of scale insects are first noted. If infestations warrant, repeat applications at 7 to 10 day intervals. Aphids , Nut Casemaker (pecans) Scale Crawler, Spider Mites	1/4 fl. oz. in 3 gals. of water Apply as a full cover spray Do not apply after frost open or split.
Apples, Pears	Aphids , Codling Moths, Eye-spotted Bud Moths, Fruit Tree Leaf Rollers, Leafhoppers, Tentiform Leaf Miners (pear), Maggots (apples), Mealybugs, Mites (European Red, Clover (brown), Pacific, Two-spotted Spider), Psylla (pears), Scale Crawlers (Cottony-cushion, San Jose, Forbes, Soft)	1 fl. oz. in 3 gals. of water Apply as a full cover spray On apples, slight russeting may occur on some varieties such as Golden Delicious
Apricots, Peaches, Nectarines	Aphids , Apricot Mealybug (apricot), Mites (Clover (brown), Two-spotted), Scale Crawlers (Olive, San Jose)	1 fl. oz. in 3 gals. of water Apply as a full cover spray.
Cherries	Black Cherry Aphid, Cherry Fruit Fly, Cherry Fruitworm (Maggot), Fruit Tree Leaf Roller, Mites (Cherry Rust), Scale Crawlers (San Jose)	1 fl. oz. in 3 gals. of water Apply as a full cover spray
Plums, Prunes	Aphids (Leaf Curl, Plum, Mealy Plum, Thistle), Mites (Clover (brown), European Red)	1 fl. oz. in 3 gals. of water Apply as a full cover spray
Caneberries (blackberries, raspberries, dewberries, loganberries, raspberries)	Aphids , Leafhoppers, Raspberry Sawfly, Raspberry Fruitworm, Two-spotted Mites, Thrips	1 fl. oz. in 3 gals. of water Apply as a full cover spray
Cucumbers	Aphids , Blueberry Maggot, Cranberry Fruitworm, Cherry Fruitworm (Maggot), Two-spotted Mites, Thrips	1 fl. oz. in 3 gals. of water Apply as a full cover spray

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Strawberries	Aphids , Two-spotted Mites, Strawberry Leaf Roller	1 fl. oz. in 3 gals. of water Apply as a full cover spray
Grapes	Aphids , Grape Berry Moths, Grape Leafhoppers, Leafhoppers, Scale Crawlers	1 fl. oz. in 3 gals. of water Apply as a full cover spray
*The following is a list of the minimum time between last application of this product and harvest of each crop: 5 days - Strawberries 7 days - Blueberries, Caneberries 10 days - Apricots, Cherries, Grapes, Nectarines, Plums, Prunes 14 days - Apples, Pears 21 days - Peaches		
*Vegetables — Foliar Application Thoroughly spray all plant parts. Generally, applications at 7 to 10 day intervals may be required. Do not feed treated vines to livestock.		
Beans, Peas	Aphids , Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Mites	1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden
Cabbage, Cauliflower, Cabbage, Broccoli, Kale, Radishes, Turnips	Aphids , Diamondback Moths, Flea Beetles, Imported Cabbage Worms, Dipterous Leaf Miners	1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden
Carrots, Celery, Endive, Lettuce, Parsnips, Spinach	Aphids , Flea Beetles, Leafhoppers, Dipterous Leaf Miners, Mites	1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden
Cantaloupes, Cucumbers, Muskmelons, Squash (Summer, Winter), Watermelon	Aphids , Thrips, Mites	1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden

