

TABLE 1. (cont.) Uses, dosage rates, harvest intervals, and comments for the listed foliar application of Malathion 50% Spray.

Site	Pests	Amount In 1 Gallon of Water	Days to Harvest ¹	Comments
Peas	Pea Aphids	3 tsp	3	Do not use pea vines for forage. Do not apply more than two applications per year, with a minimum of 10 days between applications.
White Potatoes	Aphids	3 tsp	0	Do not apply more than two applications per year, with a minimum of 10 days between applications.
Cabbage	Aphids, Imported Cabbageworm	3 tsp	7	Make full cover applications. Do not apply more than two applications per year, with a minimum of 10 days between applications.
Kale and Mustard	Aphids, Imported Cabbageworm	3 tsp	7	Make full cover applications. Do not apply more than two applications per year, with a minimum of 10 days between applications.
Broccoli	Cabbageworm	3 tsp	2	Make full cover applications. Do not apply more than two applications per year, with a minimum of 10 days between applications.
Turnip	Cabbageworm	3 tsp	1	Make full cover applications. Do not apply more than two applications per year, with a minimum of 10 days between applications.
Ornamental and/or shade trees, ornamental herbaceous plants, ornamental non-flowering plants, ornamental woody shrubs and vines	Oyster Shell Scale, Euonymus Scale	1 tsp	—	Apply in summer when infestation occurs. Repeat in 10 to 12 days. For spot treatment only.
	Aphids, White Fly, Thrips, Mealy Bugs, Japanese Beetle (Adult), Four Lined Plant Bug, Rose Leafhopper, Potato Leafhopper	1.5 tsp	—	For scales, apply when crawlers have settled on foliage. Injury may occur on Ferns, Hickory, Viburnum, Lantana, Crassula and Canareti Juniper. Slight injury has also been reported on Boston fern, Pteris fern, and Maidenhair fern, Petunia, Small leaf spirea, Spirea, White pine and Maples. Do not apply more than two applications per year, with a minimum of 10 days between applications.
	Bagworms, Juniper Scale	2 tsp	—	
	Soft Brown Scale	2.5 tsp	—	
	Pine Needle Scale	4 tsp	—	

¹ Days to harvest refers to the interval or the number of days before harvest for the last application of malathion.

FOR LISTED VEGETABLES USING HOSE-END SPRAYERS

Three Steps To Mix And Apply:

1. FILL

- Determine (Measure) the total area of the garden to be sprayed. For rectangular areas, multiply the length by the width to obtain total square feet.
- The application rate for this product is 1.0 fl.oz. of product per 1,000 sq.ft. Add an adequate amount of insecticide to the spray bottle to treat the total area, or add 1 fl.oz. of product for every 1,000 sq.ft. of area.
- Do not add water to the sprayer jar.

2. SET THE DIAL

Set the dial to the rate per gallon and keep the dial set to this setting while spraying. **The dial setting or rate per gallon for this product is 1 Tbs or 3 Tsp oz. of product per gallon of water.**

Types of hose-end sprayers	Dial setting
Ortho® Dial'N Spray® Hose-End Sprayer	3 teaspoons or 1 tablespoon
Hudson® Hose End Liquid Concentrate Sprayer	3 teaspoons or 1 tablespoon
Gilmour® Dial-A-Mix® Lawn and Garden Sprayer	3 teaspoons or 1 tablespoon
Equal measures: 1 tablespoon = 3 teaspoons and 1 fluid ounce = 6 teaspoons or 2 tablespoons	

3. SPRAY

Apply evenly over the area. Thorough coverage is important. Rinse sprayer with clean water after each use. Dispose the rinsate over the treated area.

FOR LISTED VEGETABLES WITH BACKPACK, HAND-OPERATED, OR HAND-HELD SPRAYERS

Mix 1 fl.oz. of this product per 2.5 gallons of water for treatment of approximately 1,000 sq.ft.

Gallons of spray	Amount of product, fl.oz.	Amount of product, Teaspoons	Treated area, sq.ft.
1 gallon	0.4 fl.oz.	2.5 teaspoons	400 sq.ft.
2 gallons	0.8 fl.oz.	5 teaspoons	800 sq.ft.
2.5 gallons	1.0 fl.oz.	6 teaspoons	1,000 sq.ft.

Cleaning backpack, hand-operated, or hand-held sprayers: Rinse sprayer with water and or with a cleansing solution of water plus a liquid dishwater detergent (soap). Add 1 to 2 tablespoons of dishwater detergent with one gallon of water to the sprayer tank. Pump the cleaning solution through the spray nozzle onto the treated area. Dispose the remaining cleansing solution over the treated area.

FOR ORNAMENTAL AND/OR SHADE TREES, ORNAMENTAL HERBACEOUS PLANTS, ORNAMENTAL NON-FLOWERING PLANTS, ORNAMENTAL WOODY SHRUBS AND VINES USING HOSE-END SPRAYERS

Three Steps To Mix And Apply:

1. FILL

- Pour product into sprayer jar or add 8 to 12 fl.oz. of product to the sprayer jar.
- Do not add water to the sprayer jar.

2. SET THE DIAL

Set the dial to the rate per gallon and keep the dial set to this setting while spraying. **The dial settings or rate per gallon for this product is for the listed pests below:**

Listed Pests	Rate Per Gallon	Dial Settings
Oyster Shell Scale, Euonymus Scale	1 tsp	1 teaspoon
Aphids, White Fly, Thrips, Mealy Bugs, Japanese Beetle (Adult), Four Lined Plant Bug, Rose Leafhopper, Potato Leafhopper	1.5 tsp	1.5 teaspoons
Bagworms, Juniper Scale	2 tsp	2 teaspoons or 1 tablespoon
Soft Brown Scale	2.5 tsp	3 teaspoons or 1 tablespoon
Pine Needle Scale	4 tsp	4 teaspoons

3. SPRAY

Connect to garden hose to sprayer and begin spraying. Thorough coverage is important. After spraying, unused product in the sprayer jar can be returned (poured) to the original container. Rinse sprayer jar with clean water after each use. Dispose the rinsate over the treated area.

MOSQUITOES AND OTHER SMALL FLYING LISTED INSECTS OUTDOORS:

Amount to Use: Mix 11 tablespoons of product per gallon of water, fuel oil, or diesel oil. Treat lower outside foundation of house, fences, and/or spot treat shrubbery and vegetation where mosquitoes rest. Repeat as needed. Do not apply oil solutions to ornamentals, injury may occur.

TABLE 2. Outdoor Uses - Mosquitoes and Other Listed Flying Insects Outdoors for Yards, (Spot treatment only).			
Site	Pests	Amount Per Gallon ¹	Comments
Yards – (Spot treatment only)	Mosquitoes, Flying Insects (as previously listed):	11 Tablespoons	Apply as a coarse spray. Repeat as needed. Do not apply oil solutions to ornamental species as injury may occur. Apply only as spot treatment for yards.
Lower foundations of homes			Apply a coarse spray in a two-foot wide or less band from the base of a man-made structure and up to two feet on wall surfaces. Do not apply more than 4 applications per year, with a minimum of 7 days between applications.

¹Water, fuel oil, or diesel oil may be used as the carrier or diluent.

Gallons of spray	Amount of product, fl.oz.	Amount of product, Tbs
1 gallon	5.5 fl.oz.	11 Tbs
2 gallons	11.0 fl.oz.	22 Tbs
3 gallons	16.0 fl.oz.	32 Tbs

STORAGE AND DISPOSAL


Do not contaminate water, food, or feed by 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 temperature in excess of 25°C (77°F).

PESTICIDE DISPOSAL AND CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

LIMITED WARRANTY AND DISCLAIMER

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 NOTICE: This product can expose you to malathion, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov/product.

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