

Code  
208

Net Wt.  
4 Lbs.

[279-761]  
1 of 2

# Malathion 25 Wettable

## Insecticide

EPA Reg. No. 279-761      EPA Est., 279-NY-1

### ACTIVE INGREDIENT:

\*Malathion ..... 25.0%

INERT INGREDIENTS: ..... 75.0%

100.0%

\*O,O-Dimethyl dithiophosphate of diethyl mercaptosuccinate

## CAUTION KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid breathing spray mist or dust. Avoid contact with skin. Wash thoroughly after using. Avoid contamination of feed and foodstuffs.

**Note to Physicians:** Malathion may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. **For emergency assistance, call 716-735-3765**

### Environmental and Disposal Cautions

This product is toxic to fish. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Keep out of lakes, ponds and streams. 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.

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.

Rinse equipment and Dispose of Wastes by burying in non-crop lands away from water supplies. Container should be disposed of by burying with wastes or by burning. Keep out of smoke.

### Dealers Should Sell in Original Packages Only.

**Terms of Sale or Use** On purchase or use of this product buyer and user agree to the following conditions:

**Warranty** FMC warrants that this product, as of the time of sale by FMC, (1) conforms to the Ingredient statement on the label, and (2) is reasonably fit for the purposes set forth in the Directions for Use. **Except as so warranted the product is sold as is. FMC makes no other warranty express or implied.**

**Damages** Buyer's or user's exclusive remedy for damages for breach of

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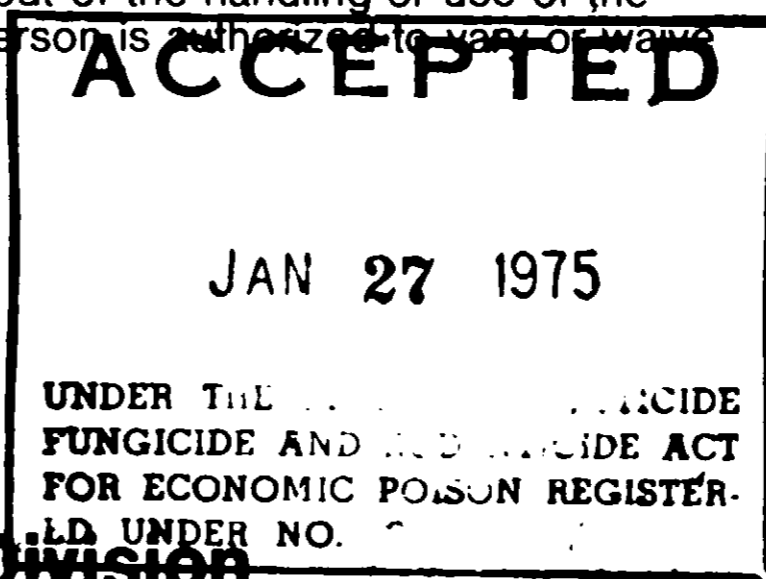
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**Damages** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages. Notice of any claim must be reported to FMC within 10 days of discovery by buyer or user, failing which buyer or user waives any claim for such damage.

**Excuse from Non-Controllable Conditions** Because of certain critical conditions created or incurred by buyer or user or over which FMC has no control, buyer and user, as a condition of purchase or use, assume responsibility for and release FMC from, liability arising out of the handling or use of the product attributable to such causes. No person is authorized to vary or waive any statement contained herein.



**FMC Corporation  
Agricultural Chemical Division  
Middleport New York 14105**



[279-761]  
2 of 2

### DIRECTIONS FOR USE

Thorough full-coverage applications should be made. Repeat applications as necessary. Observe days interval between last application and harvest indicated by number in parenthesis following crop. Do not use in undiluted form.

### FRUIT CROPS

**APPLES** [3]: Woolly Apple Aphid, Bud Moth, Green Apple Aphid—2 lbs per 100 gals of water. Rosy Apple Aphid, Mealybug—2½ lbs per 100 gals of water. European Red Mite, Clover Mite—2 to 2½ lbs per 100 gals of water. Willamette Mite, Two-spotted Mite—2 to 2½ lbs per 100 gals of water. Make at least two applications 10 to 12 days apart in summer months. Codling Moth, Plum Curculio, Red-banded Leaf Roller—3 lbs per 100 gals of water. Forbes Scale—2½ lbs per 100 gals of water. Make two or three thorough spray applications. Tent Caterpillars—2½ to 4 lbs per 100 gals of water. Apply when caterpillars appear early in spring and repeat as necessary. Bagworms—3 lbs per 100 gals of water. Apply in May or June when young Bagworms appear. Leafhoppers—2 lbs per 100 gals of water. Apply once or twice when Leafhoppers appear. Putnam Scale, San Jose Scale—2 to 2½ lbs per 100 gals of water. Apply when crawlers are present—about second to sixth or seventh covers. Unspotted Tentiform Leaf Miner—2 lbs per 100 gals of water. Apply when first Leaf Miners appear and repeat as necessary. Yellownecked Caterpillars—2 lbs per 100 gals of water. Apply when young caterpillars appear usually in July and August. **CAUTION:** May injure foliage on some varieties.

**APRICOTS** [7]: Codling Moth, Orange Tortrix, European Lecanium Scale, Soft Brown Scale, Aphids—4 lbs per 100 gals of water.

**BERRIES** [1]: Cranberry Fruit Worm—2 lbs per acre. spray at rate of 250 gals per acre. Make first application at egg hatch and repeat applications every 4 to 5 days until a total of 4 applications have been made. Cherry Fruit Worm—4 lbs per 200 gals per acre. Plum Curculio, Sharpnosed Leafhopper—6 to 8 lbs per acre. Apply when largest berries of earliest varieties are ¼ inch in diameter and 7 to 10 days later.

**CHERRIES** [3]: Black Cherry Aphid—2 lbs per 100 gals of water. Cherry Fruit Fly—2 lbs per 100 gals of water. Repeat application every 10 days. Bud Moth—2 lbs per 100 gals of water. Lesser Peach Tree Borer—4 lbs per 100 gals of water. Apply to trunks and scaffold limbs 4 times at 21 day intervals with emergence in June. In Georgia twice for first brood (April and May) and again for second brood (August and September). San Jose Scale, Forbes Scale—2 to 2½ lbs per 100 gals of water. **CAUTION:** Injury may occur on certain varieties of sweet cherries particularly in the Northwest.

**CRANBERRIES** [3]: Leafhoppers, Black-headed Fireworm, Spittlebug Nymphs, Cranberry Fruitworm—2½ lbs per acre. Do not apply close to or during the bloom and berry set period. Do not apply when foliage is wet.

**GRAPES** [3]: Leafhoppers—1 to 1½ lbs per 100 gals per acre. Japanese Beetle—2 lbs per 100 gals per acre. Apply when beetles appear, repeat 10 to 14 days later if needed. Injury may occur on grapes of Ribier, Italia, Cardinal and Almeria varieties when sprays containing malathion are applied after the clusters.

**NECTARINES** [7]: Plum Curculio—3 lbs per 100 gals of water. Mites—2½ lbs per 100 gals of water. Parlatoria Scale—2 lbs

per 100 gals of water. Summer, repeat after 7 to 10 days if needed. Bud Moth—2 lbs per 100 gals of water.

**STRAWBERRIES** [3]: Aphids, Spider Mites—2½ lbs per acre. Strawberry Root Weevil—4 to 6 lbs per acre. Apply to soil surface before planting and work into top 6 to 8 inches. Lygus Bug, Spittlebugs, Field Crickets, Thrips—4 to 8 lbs per acre. Apply on foliage. Potato Leafhopper, Strawberry Leaf Roller, Whiteflies—4 to 6 lbs per acre. Apply on foliage.

### VEGETABLE CROPS

**BEANS** [LIMA, GREEN, SNAP, NAVY, RED KIDNEY, WAX] [1], **COWPEAS** [0], **BLACK-EYED PEAS** [3]: Japanese Beetle—5 lbs per acre. Make 2 or more applications as needed. Aphids, Cucumber Beetles—5 lbs per acre. Apply on foliage.

**BROCCOLI** [3]: Aphids, Imported Cabbageworm, Cabbage Looper—2 lbs per acre. Caterpillars—5 lbs per acre. Make full coverage application on foliage every 7 days. On summer or fall plantings begin when true leaves appear, on other plantings when insects appear.

**BRUSSELS SPROUTS** [7]: Aphids—2 lbs per acre. Caterpillars—5 lbs per acre. Make full coverage application on foliage every 7 days. On summer or fall plantings, begin when true leaves appear, on other plantings when insects appear.

**CABBAGE** [7], **KALE** [7], **TURNIP** [3]: Aphids, Imported Cabbageworm, Cabbage Looper—2 lbs per acre.

**CAULIFLOWER** [7]: Caterpillars—5 lbs per acre. Make full coverage application on foliage every 7 days. On summer or fall plantings, begin when true leaves appear, on other plantings when insects appear.

**CUCUMBERS** [1]: Pickleworm—6 lbs per acre. Cucumber Beetles—7 lbs per acre. Do not apply to cucurbits unless plants are dry.

**EGGPLANT** [3]: Aphids, Spider Mites—2 lbs per acre.

**LETTUCE** [Leaf 14] [Head 7]: Aphids—5 lbs per acre. Leafhoppers—5 lbs per acre.

**POTATOES** [0]: Aphids, Leafhoppers—2½ lbs per acre. False Cucumber Bug—4 lbs per acre. Mealybugs—4 lbs per acre. Apply on foliage of infested plants and repeat as necessary.

**SQUASH** [1]: Pickleworm—5 lbs per acre. Squash Vine Borers, Cucumber Beetles—7 lbs per acre. Apply weekly to stems and vines at base of plants. Do not apply to cucurbits unless plants are dry.

**TOMATOES** [Outdoor] [1]: Spider Mites—2 lbs per acre. Aphids, Tomato Pinworm, Mites—4 lbs per acre. Drain flies—5 lbs per acre. Make full coverage application on foliage and fruit.

**ONIONS** [3]: Thrips—4 lbs per acre. Onion Maggot—5 lbs per acre. Make no application on green onions until 10 days with 10 days of harvest. Make full coverage application on foliage when onion maggot larvae appear in soil every 4 days.

### OTHER CROPS

**ALFALFA** [0]: Armyworms—3 lbs per acre. Make full coverage

**CHERRIES [1]:** Cranberry Fruit Worm—2 lbs. per acre. spray at rate of 250 gals. per acre. Make first application at egg hatch and repeat applications every 4 to 5 days until a total of 4 applications have been made. Cherry Fruit Worm—4 lbs. per 200 gals. per acre. Plum Curculio, Sharpnosed Leafhopper—6 to 8 lbs. per acre. Apply when largest berries of earliest varieties are 1/4 inch in diameter and 7 to 10 days later.

**CHERRIES [3]:** Black Cherry Aphid—2 lbs. per 100 gals. of water. Cherry Fruit Fly—2 lbs. per 100 gals. of water. Repeat application every 10 days. Bud Moth—2 lbs. per 100 gals. of water. Lesser Peach Tree Borer—4 lbs. per 100 gals. of water. Apply to trunks and scaffold limbs 4 times at 21 day intervals with emergence in June. In Georgia twice for first brood (April and May) and again for second brood (August and September). San Jose Scale, Forbes Scale—2 to 2 1/2 lbs. per 100 gals. of water. **CAUTION:** Injury may occur on certain varieties of sweet cherries particularly in the Northwest.

**CRANBERRIES [3]:** Leafhoppers, Black-headed Fireworm, Spittlebug Nymphs, Cranberry Fruitworm—2 1/2 lbs. per acre. Do not apply close to or during the bloom and berry-set period. Do not apply when foliage is wet.

**GRAPES [3]:** Leafhoppers—1 to 1 1/2 lbs. per 100 gals. per acre. Japanese Beetle—2 lbs. per 100 gals. per acre. Apply when beetles appear, repeat 10 to 14 days later if needed. Injury may occur on grapes of Ribier, Italia, Cardinal and Almeria varieties when sprays containing malathion are applied after the clusters.

**NECTARINES [7]:** Plum Curculio—3 lbs. per 100 gals. of water. Mites—2 1/2 lbs. per 100 gals. of water. Parlatoria Scale—2 lbs. plus 1 gal. lgt. med. oil per 100 gals. of water. Application of this mixture should be made only in the petal fall period. Malathion may cause fruit spotting on nectarines.

**PEACHES [7]:** European Red Mite, Two-spotted Mite—2 to 2 1/2 lbs. per 100 gals. of water. Make 2 or more applications as needed. Oriental Fruit Moth, Plum Curculio—3 lbs. per 100 gals. of water. Green Peach Aphid, Black Cherry Aphid, Black Peach Aphid, Rusty Plum Aphid, Japanese Beetle—2 lbs. per 100 gals. of water. Apply early in season when aphids appear and repeat as necessary. Lesser Peach Tree Borer—4 lbs. per 100 gals. of water. Apply to trunks and scaffold limbs 4 times at 21 day intervals beginning with emergence in June. In Georgia, twice 4 weeks apart for first brood (April and May) and second brood (August and September). European Fruit Lecanium Scale, Terrapin Scale, Cottony Peach Scale—2 to 2 1/2 lbs. per 100 gals. of water. Apply at completion of hatching, about last of June.

**PEARS [1]:** Mites, Pear Psylla—2 to 2 1/2 lbs. per 100 gals. of water. Mealybug—2 1/2 lbs. per 100 gals. of water. Codling Moth, Plum Curculio, Fruit Tree Leaf Roller, Red-banded Leaf Roller—3 lbs. per 100 gals. of water. Apple Aphid, Apple Grain Aphid—2 lbs. per 100 gals. of water. Apply when aphids become abundant and repeat as necessary. Forbes Scale, San Jose Scale—2 to 2 1/2 lbs. per 100 gals. of water. Apply when crawlers are present, about first or second cover and last half of July.

**PLUMS [3], PRUNES [3]:** Mealy Plum Aphid—1 lb. per 100 gals. of water. Lesser Peach Tree Borer—4 lbs. per 100 gals. of water. Apply to trunks and scaffold limbs 4 times at 21 day intervals beginning with emergence in June. In Georgia, twice 4 weeks apart for first brood (April and May) and second brood (August and September). European Red Mite, Two-spotted Spider Mite—2 to 3 lbs. per 100 gals. of water. Apply in

**CUCUMBERS [1]:** Pickleworm—6 lbs. per acre. Cucumber Beetles—7 lbs. per acre. Do not apply to cucurbits unless plants are dry.

**EGGPLANT [3]:** Aphids, Spider Mites—2 lbs. per acre.

**LETTUCE [Leaf 14] [Head 7]:** Aphids—5 lbs. per acre. Leafhoppers—5 lbs. per acre.

**POTATOES [0]:** Aphids, Leafhoppers—2 lbs. per acre. False Chinch Bug—4 lbs. per acre. Mealybugs—4 lbs. per acre. Apply only to top of infested plants and repeat as necessary.

**SQUASH [1]:** Pickleworm—5 lbs. per acre. Squash Vine Borer, Cucumber Beetles—7 lbs. per acre. Apply weekly to stems and joints at base of plants. Do not apply to cucurbits unless plants are dry.

**TOMATOES [Outdoor] [1]:** Spider Mites—2 lbs. per acre. Aphids, Tomato Russet Mite—2 to 4 lbs. per acre. Drosophila—6 lbs. per acre. Make full coverage application on foliage and fruit.

**ONIONS [3]:** Thrips—4 lbs. per acre. Onion Maggots—6 lbs. per acre. Make no application on green, spring or bulb onions within 3 days of harvest. Make full coverage application on foliage when onion maggot flies appear, repeat every 4 days.

#### OTHER CROPS

**ALFALFA [0]:** Armyworms—3 lbs. per acre. Make full coverage application when larvae are small.

**SUGAR BEETS [7]:** Aphids, Spider Mites—5 lbs. per acre. Grasshoppers—8 lbs. per acre. Interval indicates tops to be used as feed. May be used to within 3 days of harvest if tops are not to be used as food or feed.

**ORNAMENTALS [0]:** Lace Bug—4 lbs. per 100 gals. of water. Aphids, Mealybugs, Spider Mites, Whitefly—2 1/2 lbs. per 100 gals. of water. Bagworms—4 lbs. per 100 gals. of water. Tent Caterpillar—2 lbs. per 100 gals. of water. Fletcher Scale—3 lbs. per 100 gals. of water. Apply when scale crawlers have settled on foliage. Florida Red Scale, Juniper Scale—6 lbs. per 100 gals. of water. Apply when scale crawlers have settled on foliage. Black Scale Crawlers, Monterey Pine Scale, Soft Scale—6 lbs. per 100 gals. of water. Pine Needle Scale—4 lbs. per 100 gals. of water. Apply when scale crawlers have settled on foliage. Injury may occur on certain ferns and on some species of crassula and canaerti juniper.

#### LIVESTOCK

**CATTLE (BEEF & NON-MILKING), HORSES:** Lice—16 lbs. per 100 gals. Apply complete coverage spray. One treatment may be sufficient. Repeat application only as needed. Ticks—16 to 32 lbs. per 100 gals. Apply complete coverage spray. Repeat application at 2 week intervals if needed. Horn Fly—16 to 24 lbs. per 100 gals. Apply complete coverage spray. Repeat application at 2 week intervals if needed. Do not treat animals under 6 months of age. Do not apply to lactating dairy animals or non-lactating dairy animals within 2 weeks of freshening. When applying sprays avoid contamination of feed, food containers and water troughs.