



PM 04 655-777 11/26/97

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Acceptance stamp on pg 21 of 21

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

NOV 26 1997

Best Available Copy

OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

Mr. Richard A. Miller  
President  
Prentiss Incorporated  
C.B. 2000  
Floral Park, N.Y. 11002-2000

Dear Mr. Miller:

Subject: Deletion of Unsupported Malathion Uses  
Prentox 5 Lb. Malathion Spray  
EPA Reg. No. 655-777  
Labeling Submitted September 18, 1995  
Federal Register Notices of March 16, 1991  
and September 13, 1995

The use-deletion labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you:

Submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

1. All label references to unsupported indoor uses including statements implying such indoor uses must be deleted from the label. Refer to items one and two of our letter dated August 16, 1995. Accordingly, the following claims/statements which appear on the submitted label under the heading, "fly and mosquito control" (items a., b., and c.); under the general "Directions for Use" section (item d.); and under the "Environmental Hazards" section (item e.) must be deleted.

- a. "in dairy barns"
- b. ".....walls, ceilings, stanchions, windows in dairy barns..."
- c. "Remove lactating dairy animals from buildings before treating. Also remove animals under one month of age before treating."
- d. "Do not allow any carpet contact, may stain."
- e. "Use only with adequate ventilation. After using the product indoors, ventilate thoroughly before occupying enclosed spaces."

2. Clarify the use directions for fly and mosquito control

by specifying outdoor use only.

3. Delete the following statement appearing under the "Environmental Hazards" section: "Do not allow contact with treated surface until sprays have dried."

4. Add the following aquatic use restriction statement to the directions for use on the aquatic crop, rice. Please refer to item three of our letter dated August 16, 1995.

"Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially."

5. Relocate the aquatic use restriction from its current location in the general directions for mosquito and fly control to the more appropriate location in the directions for use on the listed aquatic sites for mosquito larvae control.

6. Relocate the claims for use on ornamental lawns and turf from its current location in the use direction section for flowers, shade trees and shrubs to the more appropriate location in the directions for use on lawns under the heading "around the home" so that the heading reads "ornamental lawns and turf around the home".

7. The submitted label proposes to include field corn in the directions for use on "sweet corn". As the label also bears directions for use on "corn (grain or forage)" under the field crop section and as these use directions differ from those for sweet corn, it would be more appropriate to place the claim for use on field corn in the "corn (grain or forage)" use directions.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended label constitutes acceptance of this condition.

8. In the directions for use on cotton, correct the sentence, "May be applied on the of harvest." to read as follows: "May be applied on the day of harvest."

A stamped copy of the label is enclosed for your records.

Sincerely,



Marilyn A. Mautz  
Biologist  
Insecticide-Rodenticide Branch  
Registration Division (7504C)



KEEP THIS BOOKLET WITH CONTAINER AT ALL TIMES

# 5 LB. MALATHION SPRAY

**ACTIVE INGREDIENTS:**

Malathion 0,0-dimethyl phosphorodithioate  
of diethyl mercaptosuccinate ..... 57.0%

**INERT INGREDIENTS:** ..... 43.0%

Contains Xylene Range Aromatic Solvent ..... TOTAL: 100.0%

PRENTOX® - Registered Trademark of Prentiss Incorporated

**KEEP OUT OF REACH OF CHILDREN**

## WARNING-AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

### STATEMENT OF PRACTICAL TREATMENT ORGANOPHOSPHATE

If swallowed - Drink promptly a large quantity of milk, egg whites, or gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Do not induce vomiting as it may cause aspiration pneumonia. If inhaled - Remove victim to fresh air. Apply respiration, if indicated. If on skin - Wash area immediately with soap and warm water. If in eyes - Flush with plenty of water and get prompt medical attention. *A*

Please refer to additional precautionary statements and environmental hazards inside booklet.

Manufactured By

**PRENTISS INCORPORATED**

6/94

EPA Reg. No. 655-777  
EPA EST. No. 655-GA-1

Plant: Kautin Rd., Sandersville, GA 31082  
Office: C. B. 2000, Floral Park, NY 11001

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# A

Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes.

# STORAGE AND DISPOSAL

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Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.  
**STORAGE:** Store in cool, dry area. If container is damaged, stop any leaks by repositioning the container or by patching or otherwise repairing the leaks. Take care to avoid contact with pesticide and wear protective gear. On cleanup of spilled liquids, wear protective equipment as required to prevent contact with the product or its vapors. Cover the spilled areas with generous amounts of absorbent material, such as clay, diatomaceous earth, sand or sawdust. Sweep the contaminated absorbent onto a shovel and put the sweepings into a salvage drum. Apply liquid household bleach to contaminated area. Scrub thoroughly using long handled brush. Let stand for 15 minutes. Wash area thoroughly with water. Place leaking container into a similar drum or glass container. Mark the container with name of product, ingredient statement, precautionary statements, and signal word. Contact us for replacement label. Do not store, use, pour or spill near heat or open flame.  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  
**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
 For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.  
 Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

#### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and the handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.  
 Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.  
 PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton, shoes plus socks, and protective eyewear.

#### Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.  
 Do not allow children or pets to contact treated surfaces until spray has dried.

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM**  
**DO NOT ALLOW ANY CARPET CONTACT. MAY STAIN.**

**VEGETABLES:** Apply in a minimum of 30 gals. or water by ground equipment or 5 gals. of water by air equipment unless otherwise specified. Best results are obtained with uniform coverage.

Crop	Pests Controlled	Rate/A	Interval (Days) Between Last Application and Harvest
<del>Asparagus</del>	<del>Asparagus aphid</del> <del>Asparagus beetle</del> <del>Thrips</del>	<del>2 pts.</del> <del>1 1/2-2 pts.</del>	<del>Do not apply within 1 day of harvest.</del>
Beans (Green Beans, Lima Beans, Navy Beans, Red Kidney Beans, Snap Beans, Wax Beans, Cowpeas and Blackeyed Peas)	Aphids Bean leaf beetles Blister beetles Cucumber beetles Potato leafhoppers Lygus bugs Japanese beetle Mexican bean beetle Red Spider mites	2 pts. 1 1/2-2 pts. 1 1/2 pts.	Do not apply within 1 day of harvest. <i>Grazing/feeding of treated crop foliage is prohibited.</i>
Dry Beans (California and Northwest only)	Lygus bugs	1 1/2-2 pts. (ground) 1 1/2 (air) in 10 gallons of water	Do not apply within 1 day of harvest.
Beets (Garden and Table)	Aphids Leafhopper	1 1/2-2 pts.	Do not apply within 7 days of harvest if tops are to be used as food or feed.
Broccoli	Aphids Cabbage looper Imported cabbageworm	1-2 pts.	Do not apply within 3 days of harvest.
Brussels Sprouts	Aphids	1-2 pts.	Do not apply within 7 days of harvest.

Cabbage	Aphids Cabbage looper Imported cabbageworm	1-2 pts.	Do not apply within 7 days of harvest. For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear.
	Diamondback moth Webworm	2 pts.	
<del>Carrots</del>	<del>Aphids</del>	<del>1 1/2-2 pts.</del>	<del>Do not apply within 7 days of harvest.</del>
<del>Cauliflower</del>	<del>Leafhoppers</del>	<del>2 1/2 pts.</del>	
Cauliflower	Diamondback moth	2-4 pts.	Do not apply within 7 days of harvest.
	Aphids	1-2 pts.	
Celery, Anise	Aphids Spider mites	1 1/2 pts.	To be applied to fresh leaves and stalks only. Do not use on crops grown for seed and oil. Do not apply within 7 days of harvest.
Collards	Aphids	1 1/2-2 pts.	Do not apply within 7 days of harvest. For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear.
	Harlequin cabbage bug	1 pt.	
Cucumbers	Aphids Pickleworms Spider mites	1 1/2-2 pts.	Do not apply to cucumbers unless plants are dry. Do not apply within 1 day of harvest.
	Squash vine borer	3 pts.	
	Cucumber beetle	2 pts.	
	Leaf miner		

*MOVE TO HERE*

Dandelion, Parsley, Parsnip, Swiss Chard, Watercress	Aphids	1½-2 pts.	Do not apply within 21 days of harvesting parsley or within 7 days of harvesting dandelion, parsnip, Swiss chard or watercress.
Eggplant	Aphids Spider mites	1 pt.	Do not apply within 3 days of harvest.
	Lacebugs	3 pts.	
Endive	Aphids Spider mites	1½-2 pts.	Do not apply within 7 days of harvest.
Garlic, Shallots	Aphids Thrips	1½-2 pts.	Do not apply within 3 days of harvest.
Hops	Aphids Spider mites	1 pt.	Do not apply within 70 days of harvest.
Kale	Aphids Cabbage looper Imported cabbageworm	1-2 pts.	Do not apply within 7 days of harvest. For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear.
	Webworm Diamondback moth	2 pts.	
Kohlrabi	Aphids	1-2 pts.	Do not apply within 7 days of harvest.
	Cabbage looper Diamondback moth Imported cabbageworm, Webworm	2 pts.	
Leeks	Aphids	1½-2 pts.	Do not apply within 3 days of harvest.
	Onion maggot flies	2½ pts.	
	Thrips	3 pts.	
Lentils	Cowpea aphid Pea aphid	1½ pts.	Do not apply within 3 days of harvest.
Lettuce	Aphids Leafhoppers Spider mites	2 pts.	Do not apply within 7 days of harvesting head lettuce or within 14 days of harvesting leaf lettuce.
	Cabbage looper	3 pts.	
Melons (Cantaloupe, Casaba, Crenshaw, Honeydew Melons, Honey Balls, Muskmelons, Persian Melons and hybrids of these, Watermelons and their hybrids)	Aphids Spider mites	1½-2 pts.	Do not apply to melons unless plants are dry. Do not apply within 1 day of harvest.
	Cucumber beetles	2-3 pts.	
	Leaf miners	2 pts.	
	Leafhoppers Pickleworms	1½-2 pts. 2 pts.	
	Squash vine borer	3 pts.	
Mushrooms	Mites Phorid and Sciarid flies	2½ pts. in 130 gallons of water; or 2 tablespoons in 3 gallons of water per 1000 sq. ft. of bed	Make thorough applications as soon after picking as possible. Repeat applications as necessary, usually twice a week. Do not apply within 1 day of harvest.
Mustards/Greens	Aphids Cabbage looper Imported cabbageworm	2 pts.	For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear. Do not apply within 7 days of harvest.
	Flea beetles	1½-2 pts.	

Grazing/feeding of treated crop foliage is prohibited.

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Crop	Pests Controlled	Rate/A	Interval (Days) Between Last Application and Harvest
Okra	Aphids	1½-2 pts.	Do not apply within 1 day of harvest. Make no application after pods start to form.
	Japanese beetle	2 pts.	
Onions (Bulb & Green)	Onion maggots	1½-2½ pts.	Do not apply within 3 days of harvest.
	Onion thrips	1½-2 pts.	
Peas	Aphids	1½-2 pts.	Do not apply within 7 days of harvest if vines are to be fed, or within 3 days of harvest if vines are not to be fed.
	Grasshoppers	2 pts.	
	Leafhoppers	1½-4 pts.	
Peppermint, Spearmint	Aphids Flea beetles Leafhoppers Spider mites	1½ pts.	Do not apply within 7 days of harvest.
Peppers (Bell)	Aphids	1-2½ pts.	Do not apply within 3 days of harvest.
	Pepper maggots	2½ pts.	
Potatoes (White)	Aphids	2 pts.	May be applied on the day of harvest.
	Grasshoppers		
	Leafhoppers		
	False chinch bugs	1½ pts.	
	Mealybugs	2-2½ pts.	

Pumpkins	Aphids	2 pts.	Do not apply to pumpkins unless plants are dry. Do not apply within 3 days of harvest.
	Pickeworms		
	Spider mites		
	Leafhoppers		
	Cucumber beetles	3 pts.	
	Squash vine borer		
Radish, Horseradish	Aphids	1½-2 pts.	Do not apply within 7 days of harvest.
Rice	Rice leaf miner	2½ pts.	Make first application shortly after the first rice blades appear on the surface of the water and repeat if necessary. Do not apply within 7 days of harvest.
	Rice stink bugs	1-1½ pts.	Apply by airplane in 2 gallons of water per acre during the early milk and dough stage of growing rice. Repeat applications as necessary. Do not apply within 7 days of harvest.
Rutabaga	Aphids	1½ pts.	Do not apply within 3 days of harvest.
Spinach	Aphids	2 pts.	Do not apply within 7 days of harvest.
	Leafhoppers		
Squash	Aphids	2 pts.	Do not apply to squash unless plants are dry.
	Leaf miners		
	Spider mites		Do not apply within 1 day of harvest.
	Pickeworm		
	Cucumber beetles	3 pts.	
	Squash vine borer		
Strawberries	Aphids	1½ pts.	Do not apply within 3 days of harvest.
	Spider mites		
	Field crickets	1½-3 pts.	
	Lygus bugs		
	Spittlebugs		
	Thrips		
	Potato leafhopper	1½-2½ pts.	
	Strawberry leafroller		
	Strawberry root weevil		
	Whitetails		
Sweet Corn (Field & Sweet)	Japanese beetle	2 pts.	Do not apply within 5 days of harvest. Injury may occur in the whorl or to the silks.
Sweet Potatoes	Leafhoppers	1½-2 pts.	Do not apply within 3 days of harvest.
	Morning glory leaf miner	2½-3 pts.	
Tomatoes	Aphids	1½ pts.	Do not apply within 1 day of harvest.
	Drosophila	2½ pts.	
	Spider mites	1½ pts.	
	Armyworms	2½ qts.	Do not apply within 3 days of harvest.
	Fruitworms (California only)		
Turnip	Aphids Cabbage looper Imported cabbageworm	1-2 pts.	For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear. Do not apply within 7 days of harvest if tops are to be used for food or feed.

VEGETABLES GROWN IN COMMERCIAL GREENHOUSES: Apply to give complete coverage

Crop	Pests Controlled	Rate/100 gals.	Interval (Days) Between Last Application and Harvest
Cucumbers	Aphids Armyworms Cabbage loopers Earwigs Garden fleahoppers Mealybugs Spider mites Thrips Whiteflies	1½-2 pts.	Spray plants thoroughly. Do not apply to cucumber unless plants are dry. Do not apply within 1 day of harvest.
Endive	Aphids Armyworms Cabbage loopers Serpentine leaf miners Thrips Whiteflies	1½-2 pts.	Spray plants thoroughly. Do not apply within 7 days of harvest.
Lettuce	Aphids Armyworms Cabbage loopers Serpentine leaf miner Thrips Whiteflies	1½-2 pts.	Spray plants thoroughly. Do not apply within 14 days of harvesting head lettuce.
<del>Radish</del>	<del>Aphids Flea beetles</del>	<del>1½-2 pts.</del>	<del>Spray plants thoroughly. Do not apply within 7 days of harvest.</del>
Tomato	Aphids Armyworms Cabbage loopers Cutworms Drosophila Garden fleahoppers Mealybugs Serpentine leaf miners Spider mites Thrips Tomato russet mites Whiteflies	1½-2 pts.	Spray plants thoroughly. Do not apply within 1 day of harvest.
<del>Watercress</del>	<del>Aphids Serpentine leaf miners Thrips</del>	<del>1½-2 pts.</del>	<del>Spray plants thoroughly. Do not apply within 7 days of harvest.</del>

FRUIT AND NUT

Crop	Pests Controlled	Rate/100 gals.	Rate/A	Interval (Days) Between Last Application and Harvest
<del>Almonds</del>	<del>Aphids-moth Spider mites Peach twig borer</del>	<del>1-2 pts. 1-1½ pts.</del>	<del>2-4 pts. 2-3 pts.</del>	<del>May be applied on the day of harvest. Apply during the petal fall period or during the period appropriate for spraying larvae of the May brood. May be applied on the day of harvest.</del>
<p>The rates for use almonds are based on a standard of 200 gallons per acre dilute spray for mature trees. Do not apply more than 8 lbs. actual MALATHION per acre to almond trees.</p>				

FRUIT AND NUT (Cont'd.)				Interval (Days) Between Last Application and Harvest
Crop	Pests Controlled	Rate/ 100 gals.	Rate/A	
Apples	Budmoth	1 pt.	4 pts.	Do not apply within 3 days of harvest.
	Forbes scale			
	Woolly apple aphid			
	Eastern tent caterpillar	1-1½ pts.	4-6 pts.	
	Green apple aphid	1½ pts.	6 pts.	
	Rosy apple aphid			
	Codling moth	2 pts.	8 pts.	
Apples	Plum curculio			
	Red-banded leafroller			
Apples	Mealybug	1-2 pts.	4-8 pts.	
	Mites, such as Clover mite, European red mite, Twospotted spider mite, Willamette mite Red Apple Aphid			
The rates for use on apples are based on a standard of 400 gallons per acre dilute spray for mature trees pruned 20 to 22 feet high in rows 40 feet apart.				
PRENTOX 5 lb. Malathion Spray may cause fruit injury to McIntosh and Cortland varieties if spray is applied within 4 weeks of harvest.				
Dormant or Delayed Dormant Spray	Aphids Mites Red-banded leafrollers	1 pt. + 1 gal. superior oil		Make full coverage dormant or delayed dormant applications only.
Apricots	Aphids	1½-2 pts.	4½-6 pts.	Do not apply within 7 days of harvest.
	Codling moth European fruit lecanium Orange tortrix Soft brown scale Terrapin scale			
The rate for use on apricots is based on a standard of 300 gallons per acre dilute spray for mature trees.				
Avocado	Greenhouse thrips	1½ pts.	7½ pts.	Do not apply within 7 days of harvest.
	Latania scale Omnivorous looper Orange tortrix Soft brown scale			
The rate for use on avocado is based on a standard of 500 gallons per acre dilute spray for mature trees.				
Blackberry Boysenberry Dewberry Loganberry Raspberry	Aphids	1½ pts.	3 pts.	Do not apply within 1 day of harvest.
	Rose scale chafers Japanese beetle Leafhoppers Mites Thrips			
The rates for use on brambles are based on a standard of 200 gallons per acre dilute spray.				
Blueberries	Blueberry maggots	1 pt. + 1½ qts. Staley's Sauce Base No. 7		For use in the Northeast only. Apply in 100 gallons of water per acre. Do not apply within 8 hours of harvest.
	Cherry fruitworm	1 pt.	2 pts.	Do not apply within 1 day of harvest.
	Cranberry fruitworm	1 pt.	2 pt.	Make first application at egg hatch and repeat applications every 4 or 5 days until a total of four applications has been made. Do not apply within 1 day of harvest.
	Japanese beetle	¾ pt.	1½ pts.	Make application when first berries turn blue and at 10 days intervals as long as infestation persists. Do not apply within 1 day of harvest.
The rates for use on blueberries are based on a standard of 200 gallons per acre dilute spray.				
Cherry (Sweet & Tart)	Black cherry aphid	1½ pts.	6 pts.	Do not apply within 3 days of harvest.
	Fruit-tree leafroller			
Cherry	Cherry fruit fly	1 pt.	4 pts.	
	Japanese beetle			
The rates for use on cherries are based on a standard of 400 gallons per acre dilute spray for mature trees. Do not apply more than 8 lbs. of actual MALATHION per acre to cherry trees.				
Injury may occur on certain varieties of sweet cherries, particularly in the Northwest.				

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Citrus Grapefruit Kumquat Lemon Lime Orange Tangerine Tangelo	Black scale (single and off-brooded) California red scale Citricola scale Purple scale Soft brown scale Tangelo	1-1½ pts.     Yellow scale	—	Do not apply when trees are in bloom. Do not apply within 7 days of harvest.
	Florida purple scale Florida red scale	2 pts.	—	
	Citrus red mites Thrips	—	2½ pts.	Apply in 200 gallons of water per acre. Do not apply when trees are in bloom. Do not apply within 7 days of harvest.
	The rate for use on citrus is based on a standard of 500 gallons per acre dilute spray for mature trees.			
Currants Gooseberries	Japanese beetles	1½ pts.	3 pts.	Do not apply within 3 days of harvest.
	Rose chafers Mites	1 pt.	2 pts.	
	The rates for use on currants and gooseberries are based on a standard of 200 gallons per acre dilute spray.			
Figs	Dried fruit beetles Vinegar flies	—	2 qts. + 1-2 gals. unsulfured molasses	Do not apply within 3 days of harvest.
<del>Fibers</del>	<del>Apple mealybug</del>	<del>1 pt.</del>	<del>4 pts.</del>	<del>Do not apply within 3 days of harvest.</del>
	<del>Eye-Spotted bud moth Fibert aphids Tingids</del>	<del>—</del>	<del>—</del>	<del>—</del>
	<del>Scales (crawler stages)</del>	<del>1 pt.</del>	<del>—</del>	<del>—</del>
<del>The rates for use on fibers are based on a standard of 400 gallons per acre dilute spray for mature trees. Do not apply more than 3 lbs. of actual MALATHION per acre to fiber trees.</del>				
Grapes	Leafhoppers Spider mites	1½ pts.	3 pts.	Do not apply within 3 days of harvest.
	European fruit lecanium	1½ pt.	—	Make full coverage applications when newly hatched nymphs are migrating over vines, usually shortly after bloom. Do not apply within 3 days of harvest.
	Mealybugs	—	1½ pts.	Apply in 50-100 gallons of water per acre. Do not apply within 3 days of harvest.
	The rates for use on grapes are based on a standard of 200 gallons per acre dilute spray.			
Injury may occur on grapes of Almeria, Cardinal, Italia and Ribler varieties when sprays containing MALATHION are applied after clusters appear.				
Grape vines (Overwintering on nursery stock only)	Grape phylloxera	3 pts.	—	Remove excess soil from the roots and dip in the MALATHION solution. Submerge the entire root system for 5 minutes. Keep the solution agitated at all times.
Macadamia Nuts	Green stink bugs	1½ pts.	—	Apply when insects start to feed on the nuts and repeat as necessary. May be applied during harvest.
	No more than 15 lbs. of actual MALATHION per acre should be applied to macadamia nut trees.			
Nectarines	Spider mites	1-2 pts.	3-6 pts.	Do not apply within 7 days of harvest.
	Plum curculio	2 pts.	6 pts.	
	The rate for use on nectarines is based on a standard of 300 gallons per acre dilute spray for mature trees.			
MALATHION May cause fruit spotting on nectarines.				
Papaya	Aphids	1½-2 pts.	—	May be applied on the day of harvest.

FRUIT AND NUT (Cont'd.)

Crop	Pests Controlled	Rate/100 gals.	Rate/A	Interval (Days) Between Last Application and Harvest	
Peaches	Black cherry aphid Black peach aphid European red mite Green peach aphid Rusty plum aphid Japanese beetle Spider mites	1 pt.	3 pts.	Do not apply within 7 day of harvest.	
	Oriental fruit moth Plum curculio	2 pts.	3 qts.		
Pears	Cottony peach scale European fruit lecanium Terrapin scale	2 pts.	—	Make full coverage applications at completion of hatching, about the last of June. Do not apply within 7 days of harvest.	
	The rates for use on peaches are based on a standard of 300 gallons per acre dilute spray for mature trees. Do not apply more than 9 pounds of actual MALATHION per acre to peach trees.				
Pears	Aphids	1 pt.	3 pts.	Do not apply within 1 day of harvest.	
	Mealybug Mites Pear psylla	1-2 pts.	3-6 pts.		
Pears	Codling moth Fruit-tree leafroller Plum curculio Red-banded leafroller	2 pts.	6 pts.	The rates for use on pears are based on a standard of 300 gallons per acre dilute spray for mature trees.	
	Injury may occur under certain conditions in the Northeast on Bosc pears.				
Pecans	Aphids Spider mites Walnut aphid	1½-2 pts.	7½-10 pts.	May be applied on the day of harvest.	
	Pecan Phylloxera	1¼ pts.	6¼ pts.		Apply when buds begin to develop and repeat as necessary. May be applied on the day of harvest.
	Pecan nut case-bearer, Walnut husk fly	1¼ pts.	6¼ pts.		Apply after first generation eggs begin to hatch. May be applied on the day of harvest.
The rates for use on pecans are based on a standard of 500 gallons per acre dilute spray for mature trees 25-35 feet high.					

Pineapple	Mealybug	1 pt.	8 pts.	Do not apply within 7 days of harvest.	
Plums and Prunes	Mealy plum aphid Plum curculio	1-1½ pts.	3 pts.	Do not apply within 3 days of harvest. Make full coverage applications to trunks and scaffold limbs 4 times at 21-day intervals beginning with emergence in June. In Georgia, two applications each 4 weeks apart for first (April and May) and second (August and September) broods.	
	The rates for use on plums and prunes are based on a standard of 300 gallons per acre dilute spray for mature trees.				
Quince	Codling moth Oriental fruit moth Plum curculio	2 pts.	6 pts.	Do not apply within 3 days of harvest.	
	Spider mites Forbes scale	1-2 pts. 1 pt.	3-6 pts.		
The rates for use on quince are based on a standard of 300 gallons per acre dilute spray for mature trees.					
Walnuts	Aphids European red mite Walnut aphid	½ pt.	1½-3 pts.	May be applied on the day of harvest.	
	Walnut husk fly	½ pt.	1½-3 pts.		Apply with conventional sprayer. For bait sprays, combine Staley's Sauce Base No. 2 or No. 7 at the rate of 2 qts. per acre with MALATHION. May be applied on the day of harvest.
					3-4 pts.

**FIELD CROPS AND PASTURE AND RANGE GRASSES**

Crop	Pests Controlled	Rate/A	Interval (Days) Between Last Application and Harvest
Alfalfa	Alfalfa weevil larvae Aphids Grashoppers Lygus bugs Potato leafhoppers Spider mites Spittlebugs Stink bugs	1 1/2 pts.	Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the field or are not hanging on outside of hives. May be applied on the day of harvest.
	Armyworms	2 pts.	
	Clover leaf weevil	1 1/2 pts.	
	Vetch bruchid	2-2 1/2 pts.	
Clover	Alfalfa weevil larvae Aphids Grashoppers Lygus bugs Potato leafhoppers Spider mites Spittlebugs	1 1/2 pts.	Do not apply to the bloom. May be applied on the day of harvest.
	Armyworms	2 pts.	
	Clover leaf weevil	1 1/2 pts.	
Corn (Grain or Forage)	Aphids Corn earworm Corn rootworm adults Grasshoppers Sap beetle Thrips	1 1/2 pts.	For control of corn earworm and sap beetles, begin treatments when 10% of the ears show silk. Repeat applications at 3-5 day intervals until 4-5 applications have been made. Do not apply within 5 days of harvest or forage use.
	Armyworms	1 1/2 pts.	
Injury may occur in the whorl and silk stages with MALATHION.			
Cotton	Brown cotton leafworm Cotton aphid Cotton leafworm Cotton leafperforator Desert spider mite Leathoppers Lygus bugs Thrips Whitflies	1/2-2 pts.	May be applied on the day of harvest. Consult local agricultural authorities for exact time of application. <i>Grazing/feeding of treated crop foliage is prohibited</i>
	Boll weevil	2-4 pts.	
	Aphids Cotton fleahoppers Spider mites	1-1 1/2 pts.	
	Fall armyworms Garden webworms Grasshoppers	1 1/2-3 pts.	May be applied on the day of harvest.
	Lygus bugs Thrips	1-4 pts.	

CONTINUED ON REVERSE SIDE

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**FIELD CROPS AND PASTURE AND RANGE GRASSES (Cont'd.)**

Crop	Pests Controlled	Rate/A	Interval (Days) Between Last Application and Harvest
Grasses (Barnyardgrass, Canarygrass, Fescue, Orchardgrass, Red top, Timothy, Yellow foxtail)	Cereal leaf beetle	1-1½ pts.	May be applied on the day of harvest or grazing.
Pasture and Range Grass, and Grass Hay	Aphids Grasshoppers Leafhoppers	1½-2 pts. OR 1½ pts. in 1 gal. of diesel fuel oil per acre	May be applied on the day of harvest or grazing.
	Armyworms	2 pts. OR 1½ pts. in 1 gal. or diesel fuel oil per acre	
<del>Peanuts</del>	<del>Potato leafhoppers Thrips</del>	<del>1½ pts.</del>	<del>May be harvested or grazed on the day application.</del>
<del>Safflower</del>	<del>Aphid Grasshoppers Lygus bugs</del>	<del>1½ pts.</del>	<del>Do not apply with n 3 days of harvesting seeds.</del>
Small Grains (Barley, Oats, Rye, Wheat)	Cereal leaf beetle	1-1½ pts.	Do not apply within 7 days of harvest or forage use.
	English grain aphids Grasshoppers Greenbugs	1½ pts.	
	Winter grain mite	2 pts.	
Sorghum	Greenbugs	1½ pts.	Do not apply within 7 days of harvest, or forage use.
<del>Soybeans</del>	<del>Green-cloverworms Mexican bean beetle</del>	<del>3 pts.</del>	<del>May be applied on the day of harvest or forage use.</del>
Sugar Beets	Aphids Spider mites	1½-2 pts.	Do not apply within 7 days of harvest if tops are to be used as feed or forage.
	Grasshoppers	3 pts.	
<del>Tobacco</del>	<del>Aphids</del>	<del>1½-2½ pts.</del>	<del>May be applied on the day of harvest. Use maximum dosage in plant beds.</del>
Vetch	Omnivorous leaf tier Pea aphid Vetch bruchid	1½-2 pts.	May be applied on the day of harvest or grazing.

Grazing/feeding of treated crop foliage is prohibited.

**STORED PRODUCTS**

Site	Pests Controlled	Rate	Directions For Use
Stored in-shell Almonds	Indian meal moth Merchant grain beetle	4 fl. oz. in sufficient water to treat 10,000 lbs. of almonds.	Use a suitable mechanical spray applicator that regulates the rate application to the flow of the almonds. Avoid spraying with a fine mist that drifts away. Shield the nozzle against wind and air currents.
Stored Peanuts	Confused flour beetle Flat grain beetle Granary weevil Indian meal moth Lesser grain borer Red flour beetle Rice weevil Rusty grain beetle Saw-toothed grain beetle	1 pt. in 2½ gal. of water OR 8 pts. in 19 gal. of water.	Residual Warehouse Spray - Before Storing Peanuts: Apply as a coarse spray at the rate of 2 gal. per 1,000 sq. ft. of surface or to run-off. Clean warehouse thoroughly of trash and remains of old peanuts 1 to 2 weeks before new peanut crop is stored. Then, thoroughly spray the interior of the empty warehouse, especially cracks and protected places. Treat outside walls to a height of 6 to 8 feet and the ground to a distance of 6 feet from the warehouse.
		2½ pts. in 5 gal. of water for each 15 tons of farmers stock peanuts.	Bulk Spray Treatment-Peanuts Going Into Storage: Use good spray equipment. Apply coarse spray uniformly. Preferably, use a suitable mechanical spray applicator that regulates the rate of application to the flow of peanuts. Adjust the operating pressure of spray pump and size of nozzle opening to correlate the amount of spray delivery with the rate of flow of peanuts being treated. Avoid spraying with a fine mist that drifts away, by using low nozzle pressure. Shield the nozzle against wind and air currents.

**SUPPLEMENTAL SURFACE SPRAY:** After warehouse has been filled, level surface of peanuts before spraying. Apply surface spray using 1 1/2 pts. in 2 gallons of water and apply at the rate of 2 gallons per 1000 square feet of surface. Apply first treatment as soon as bin is filled and leveled, but not later than the first week in October. Apply the second surface treatment 1 month later, followed by treatment at 2 month intervals. Use a piston type power sprayer equipped with agitator and nozzle capable of delivering a coarse spray. Repeat surface application 60 days later if warm temperatures prevail. Otherwise delay further treatment until late winter.

Site	Pests Controlled	Rate	Directions For Use
Nonmedicated cattle feed concentrate blocks	Cigarette beetles	5 pts. in 25 gal. water	Before storing feed blocks thoroughly clean storage areas and remove and burn all debris and sweepings. Apply as a thorough application for a residual spray.
		4 fl. oz. in 1 qt. water	Treat paper on the side next to the feed concentrate at a rate of 100 mg./sq. ft. or 1 qt. of diluted Prelox 51b, Malathion Spray per 710 sq. ft.
Bagged citrus pulp Residual warehouse spray	Almond moth Angoumois grain beetle Cigarette beetle Confused flour beetle Flat grain beetle Indian meal moth Mediterranean flour moth Red flour beetle Saw-toothed grain beetle	1 pt. in sufficient water to make 2% gals of spray OR 8 pts. per 19 gal. of water	Apply spray at the rate of 2 gallons per 1,000 sq. ft. of surface or to run-off. Before bagged citrus pulp is stored, thoroughly clean warehouses by removing and burning all debris and sweepings. Thoroughly spray with sufficient pressure, interior of empty warehouse (including cracks and protected places), outside walls to a height of 6 to 8 feet and ground to a distance of about 6 ft. from warehouse.
Do not use treated burlap bags other than for dried citrus pulp.			
Stored Grains (Barley, corn, grain sorghum, oats, rice, rye, wheat) and field or garden seeds	Cereal leaf beetle Confused flour beetle Flat grain beetle Granary weevil Indian meal moth Lesser grain borer Maize weevil Red flour beetle Rice weevil Rusty grain beetle Saw-toothed grain beetle	5 pts. per 25 gal. of water	Residual Spray Before Storing Grains: Before applying spray, clean elevators, box cars, etc. thoroughly. Remove and burn all sweepings and debris. For a residual wall, floor and machinery spray in elevators in treating truck beds, box cars and ships' holds, before loading grain make a thorough application.
		1 pt. in 2 to 5 gal of water per 1,000 bushels	Grains Going into Storage: Apply as the grain is being loaded or turned into final storage.
		1/2 pt. in 1 or 2 gal of water per 1,000 sq. ft. or grain surface area.	As a Surface Treatment After Grains are Stored: Apply the spray evenly over the surface of the grain. Apply immediately after grain is loaded into storage and repeat if necessary.
Warehouse	Khaura Beetle	5 pts. per 25 gallons of water	Apply spray at the rate of 2 gallons per 1,000 sq. ft. of surface or to run-off. Thoroughly spray with sufficient pressure, interior of empty warehouse including cracks and protected places.

**FLY AND MOSQUITO CONTROL**

Fly Control: For use in and around buildings which house domestic animals, around yards, homes and meat and food-processing plants. Do not use in edible products areas of food-processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

Pests Controlled	Rate	Directions For Use
Adult flies	Straight Sprays: 5 Tablespoons + 1 Gal water OR 1 cup + 2 1/2 gal water OR 1 quart + 12 gal water.	Apply as a spray at the rate of 1 gallon per 1,000 sq. ft. on painted surfaces and 2 gals per 1,000 sq. ft. on unpainted surfaces where flies alight or congregate, such as walls, ceiling, stanchions, windows in dairy barns, fences, around garbage cans, etc.
Adult flies Fly maggots	Bait Sprays: 5 Tablespoons + 7 Tablespoons sugar or molasses (unsulfurized) or corn syrup + 1 gal. water  OR 1 cup + 1 cup sugar or molasses (unsulfurized) or corn syrup + 2 1/2 gal. water  OR 1 quart + 2 1/2 lbs. sugar or 1 quart molasses (unsulfurized) or 1 quart corn syrup + 12 gal. water.	Apply as a bait spray over the surface of manure or poultry droppings. In loafing sheds, spray the dry bedding within 18 inches of the walls and around upright braces.  For effective control in and around dairy barns, fly-breeding sites such as manure and other waste material, should be eliminated. Do not apply to freshly whitewashed surfaces. Wait 14 days after whitewashing before applying.

Repeat applications as necessary.  
 Avoid contamination of milk, milk equipment and water.  
 Avoid contamination of feed and food products, also drinking fountains and feed troughs.  
 Remove lactating dairy animals from buildings before treating. Also remove animals under one month of age before treating.  
 Avoid applying oil-based formulations to valuable ornamental plants as injury may occur.

Mosquito larvae	13 fl. oz. per acre	For use in standing water (intermittently flooded areas, stagnant water, temporary rain pools). Mix in sufficient water or oil when applied by air or ground equipment.
Mosquito adults	1 part to 28 parts water, fuel oil or diesel oil.	Spray building foundations, shrubs, low trees and lawn areas.

*broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.*

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Adult flies Fly maggots	Bait Sprays: 5 Tablespoons + 7 Tablespoons sugar or molasses (unsulfurized) or corn syrup + 1 gal. water  OR 1 cup + 1 cup sugar or molasses (unsulfurized) or corn syrup + 2 1/2 gal. water  OR 1 quart + 2 1/2 lbs. sugar or 1 quart molasses (unsulfurized) or 1 quart corn syrup + 12 gal. water.	Apply as a bait spray over the surface of manure or poultry droppings. In loafing sheds, spray the dry bedding within 18 inches of the walls and around upright braces. For effective control in and around dairy barns, fly-breeding sites such as manure and other waste material, should be eliminated. Do not apply to freshly whitewashed surfaces. Wait 14 days after whitewashing before applying.
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*Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are growing and or harvested commercially.*

Animal	Pest	Rate	Remarks
Pigs	Lice	1 gal. per 100 gals of water OR 6% ozs per 5 gals of water.	Apply complete coverage spray to animals, pens and litter. One treatment may be sufficient. Repeat only if needed.
	Sarcoptic mange	1 gal. per 100 gals of water OR 6% ozs per 5 gals of water.	Apply complete coverage spray to all animals in herd, bedding and walls. Use extreme care to thoroughly cover all body surfaces of the animal, including inside of ears. One thorough spraying will usually control sarcoptic mange of swine; however, extensive cases require second treatment about 10 days after first application. After spraying, swine should be kept out of sun and wind for a few hours.  Residue tolerance: 4 ppm in meat, fat, and meat by-products. Avoid contamination of feed, food containers and watering troughs.
Sheep and Goats	Lice Ticks Keds	1 gal. per 100 gals of water OR 6% ozs per 5 gals of water	Spray animals thoroughly. Repeat application after 2 or 3 weeks if needed. Do not apply to milk goats. Do not treat animals under one month of age.  Residue tolerance: 4 ppm in meat, fat and meat by-products.
Horses, beef and non-milking cattle	Lice	1 gal. per 100 gals of water OR 6% ozs per 5 gals of water.	Apply complete coverage spray. One treatment may be sufficient. Repeat only if needed.  <b>BACK-RUBBING DEVICES:</b> To reduce lice apply a mixture of 2% Malathion using Prentox 5 lb. Malathion Spray in fuel oil. There may also be a reduction in hornflies. These devices should be made continuously accessible, one to each 35-45 head of cattle. Back-rubbing devices must be retreated every 2 to 3 weeks.
	Ticks	1-2 gals per 100 gals of water OR 6-13 ozs per 5 gals of water.	Apply complete coverage spray. Repeat at 2 week intervals if needed.
	Hornflies	1-1 1/2 gals per 100 gals of water OR 6-10 ozs per 5 gals of water.	Apply complete coverage spray. Repeat at 2 week intervals if needed.  Do not apply to lactating dairy animals, or nonlactating dairy animals within 2 weeks of freshening. Do not treat animals under one month of age. Residue tolerance: 4 ppm in meat, fat and meat by-products.
Poultry: Chickens, Ducks, Geese, Turkeys	Northern fowl mite Poultry lice Chicken red mite	2 tbs per 1 gal water per 100-105 birds	Repeat application in 4-8 weeks or when necessary. As a supplement to premise treatment for chicken red mite.

**PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS. WARNING** May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Causes eye irritation. Do not get in eyes, on skin or on clothing. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans.

**Personal Protective Equipment:** Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart. Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton, shoes plus socks, and protective eyewear. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**  
 Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS** This product is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

**PHYSICAL OR CHEMICAL HAZARDS** Do not use, pour, spill, or store near heat or open flame.

LIVESTOCK PEST CONTROL (Cont'd)				
Animal	Pest	Site	Rate	Remarks
Poultry (Cont'd.)	Northern Fowl mite Chicken body lice Shaft lice	Tail dipping	8½ ozs per 15 gals water per 400 birds	Hold bird by wings and dip 3 to 4 inches of tail into solution. Treat vent and surrounding areas. Repeat in 7-10 days if necessary.
	Chicken red mite Poultry lice	Roost paint	2-7 ozs per 1 gal water	Brush on a rate of 1 pt. per 150 ft of roosts.
	Northern fowl mite Chicken red mite Poultry lice Flies	Premise treatments	4 lbs. per 1 gal water	Apply liberally to litter, walls, ceilings, roost nests and adjacent areas. Force spray into cracks and crevices.
	Poultry ticks	Premise treatments	6-7 ozs per 1 gal water	Apply liberally to walls, ceilings and adjacent areas. Force spray into cracks and crevices.
	Chiggers	Range treatments	1-1½ pt. per acre	Treat range thoroughly the day before placing poultry on range. Repeat every 2-3 weeks.
	Residue tolerance: 4 ppm in or on meat and meat by-products Eggs 0.1 ppm (from application to poultry)			
Domestic pets (dogs and cats)	Fleas Lice Ticks		1 oz./gal.	Wet animal thoroughly. Repeat in 2 to 3 weeks if necessary.
	Fleas Ticks	Premise treatments	5 oz./gal.	Apply per 1,000 sq. ft. of surface to pet quarters, yards and lawns. Remove manure or debris before treating. Repeat treatment in 3 to 4 weeks if necessary.

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OUTDOOR ORNAMENTALS

Flowers, Shade Trees, Shrubs

Injury may occur on Ferns, Hickory, Viburnum, Lantana, Crassula and Canaret Juniper following the use of PRENTOX 5 LB MALATHION SPRAY, slight injury has also been reported on Boston, Pteris, and Maidenhair Ferns, Petunias, Small-Leaf Spirea, White Pine and Maples, under extreme heat, drought and disease conditions the emulsifiable concentrates may cause slight damage to plants.

Pest	Rate	Remarks
Aphids	1½ pts. per 100 gal OR	—
Spider Mites	2 teaspoons per gal	—
Bagworms	2 pts. per 100 gal OR	—
Birch leaf miner	2 teaspoons per gal	—
Boxwood leaf miner		
European pine shoot moth	1½ pts per 100 gal. OR	—
Four-lined leaf bug	2 teaspoons per gal	—
Japanese beetle adult		
Potato leafhopper		
Rose leafhopper		
Tarnished plant bug		
Thrips		
Lace bug	1 pts. per 100 gal OR 2 teaspoons per gal	—
Mealybugs	1½ pts per 100 gal OR 2 teaspoons per gal	—
Whiteflies		
Oak kermes	2 pts per 100 gal OR 2 teaspoons per gal	Apply when scale crawlers have settled on foliage.
Tent caterpillar	2 pts per 100 gal OR 2 teaspoons per gal	—
Oyster shell scale	1 pt per 100 gal OR 2 teaspoons per gal	Apply when scale crawlers have settled on foliage.
Euonymus scale	1½ pt per 100 gal OR 2 teaspoons per gal	—
Scurfy scale		
Azalea scale	2 pts per 100 gal OR 2 teaspoons per gal	—
Magnolia scale		
Pine leaf scale		
Fletcher scale	2 pts per 100 gal OR 2 teaspoons per gal	Apply when scale crawlers have settled on foliage.
Florida red scale	2 pts per 100 gal OR 2 teaspoons per gal	Apply when scale crawlers have settled on foliage.
Juniper scale		
Black scale crawlers	2½ pts per 100 gal OR 2 teaspoons	—
Soft brown scale		
Monterey pine scale	2½ pts per 100 gal OR 2 teaspoons per gal	—
Pine needle scale	4 pts per 100 gal OR 4 teaspoons per gal	—
Wax scale	4 pts per 100 gal OR 4 teaspoons per gal	Apply in spring when crawlers are active. Repeat 1 or 2 full-coverage applications at 10-day intervals.

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FOREST TREES			
Tree	Pest	Rate	Remarks
Deciduous Forest and Shade trees	Tent caterpillar	2 pts./100 gal water	Make thorough coverage application before larvae reach third instar.
Pines	Pine needlesheath miner	1 1/2 pts./acre	Apply by ground or aircraft equipment in 25 gals of water. Make application when air is calm and temperature is below 52°F. Apply when 75% of larvae have left overwintering mines.
Eastern pines	Pine tortoise scale	1 1/2 pts./acre	Apply by aircraft in 2 gals of water per acre when crawlers emerge. Repeat application in 7 week under conditions of heavy infestations. Make application when air is calm and temperature is below 68°F.
Red pine	Red-headed pine sawfly	0.8 pt./acre	Apply by mist blower in 2 gallons of water per acre when eggs is complete.

Including ornamental flowering plants, ornamentals, lawns and turf, ornamental nursery stock, ornamental woody plants, pine seed orchards, and areas in and non-agricultural areas, and Christmas tree plantations.



KEEP THIS BOOKLET WITH CONTAINER AT ALL TIMES

# 5 LB. MALATHION SPRAY

PULL HERE TO OPEN PRESS TO RESEAL

**ACTIVE INGREDIENTS**

Malathion 0.0 dimethyl phosphorodithioate 57.1%

of diethyl mercaptosuccinate 41.0%

**INERT INGREDIENTS** 100.0%

Contains Xylene Range Aromatic Solvent

PRENTOX is a Registered Trademark of Prentiss Incorporated

**KEEP OUT OF REACH OF CHILDREN**

**WARNING-AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

**STATEMENT OF PRACTICAL TREATMENT**

**ORGANOPHOSPHATE**

If swallowed—Drink promptly a large quantity of milk, egg whites, or gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Do not induce vomiting as it may cause aspiration pneumonia if inhaled. Remove victim to fresh air. Apply respiration if indicated. If on skin—Wash area immediately with soap and warm water. If in eyes—Flush with plenty of water and get prompt medical attention.

Manufactured by

**PRENTISS INCORPORATED**

EPA REG. NO. 6577  
EPA EST. NO. 6577

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**AROUND THE HOME**

Site	Pest	Rate	Remarks
In and around greenhouses and gardens	Millipedes Sawbugs Springtails	1 tsp./gal	Apply to 150 square feet of soil or where insects congregate. Repeat at 7 to 10 day intervals as needed.
In and around homes	Bedbugs	2 to 4 tablespoons per gallon of deodorized kerosene	Apply lightly to all mattress surfaces in sufficient quantity to "mist" the fabric and generously to beds and woodwork, with special care taken to wet all possible hiding places.
Lawns	Ant mounds	1 1/2 pts./100 gal	Spray ant hills thoroughly so that they are well soaked. For other small ants in flower beds, lawns, around trees, spray lightly in the infested areas. Repeat in 10 to 15 days if ants return.
	Ground pearls	3 to 4 qts./100 gal	Make full coverage to soil surface when ground pearl nymphs are in the pink, "crawler" or active stage and immediately wash into soil with additional water.

**HOUSEHOLD PESTS:** To control Roaches, Ants, Spiders, Silverfish, Crickets, Cover Mites, and Earwigs, in and about homes, dairy and food processing plants, use 2% to 5% solution (2% - 1 to 28 parts water; 5% - 1 to 11 parts water). Apply as a coarse spray or by paint brush to window frames, baseboards, under sinks, drainboards, stoves, and other areas frequented by insects, taking care not to contaminate food or utensils. Application should be repeated as necessary.

Do not allow children in treated areas until surface is dry.

**ON AND AROUND CULL FRUIT AND VEGETABLE DUMPS**

Pest	Rate	Remarks
Drosophila flies Dried fruit beetles	1 1/2 gal per 100 gal water	Apply as a drench using 8 to 10 gal of spray per 100 sq. ft. For best results, dumps should not be over 18 inches deep, DO NOT FEED TREATED FRUIT AND VEGETABLES.

**IN AROUND WINERIES AND PROCESSING PLANTS**

Drosophila flies	3 1/4 oz in 1 qt water	Paint all doors and window screens. AVOID CONTAMINATION OF WINE, FOOD, UTENSILS, EQUIPMENT AND WATER.
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**PLANTS PROCESSING DRY MILK**

Black carpet beetles Trogoderma species	1 pt per 2 1/2 gal	Clean premises thoroughly before applying and maintain good sanitation at all times. Use spray equipment and nozzles that will produce a coarse spray. Application must be made only by an experienced or trained person. Apply as a residual spray to all sections of the plant and warehouses where insects hide or crawl such as cracks, corners, edges of floors, lower parts of walls, floors under storage platforms and underneath and behind protected places. Avoid contamination of milk, dry milk, equipment, utensils, work surfaces, containers and liners. Repeat application as necessary.
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**CAUTION:** MALATHION sprays may damage finished surfaces and fabrics. Avoid contamination of food, utensils, milk, milk equipment, and water. Do not use in milk processing rooms.

**CRACK AND CREVICE TREATMENT IN FOOD HANDLING ESTABLISHMENTS**

**IN FOOD AREAS:** Includes areas for receiving, serving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups).

Pest	Rate	Directions for Use
Ants Carpet beetles Cigarette beetles Clover mites Confused flour beetles Crickets Drug store beetles Earwigs Flat grain beetles Granary weevils Indian meal moths Red flour beetles Rice weevils Roaches Rusty grain beetles Saw-toothed grain beetles Silverfish Spiders	1 pt./2 1/2 gal OR 1 part in 19 parts mixture of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent.	Apply in small amounts directly into cracks and crevices using a pin stream of insecticide into points such as expansion joints between different elements of construction or between equipment bases and the floor, wall voids, motor housing, junction boxes or switch boxes, conduits or hollow equipment legs where the named insects hide. Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces. Repeat application as necessary. Application must be made only by a commercial pest control operator.

IN NONFOOD AREAS: Includes garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage

Pest	Rate	Directions for Use
Ants	1 pt. 2 1/4 gal OR 1 part in 19 parts mixture of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent.	Apply as a coarse spray to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, palleys and similar areas where insects - de or through which they may enter. Repeat application as necessary. Application must be made only by a commercial pest control operator.
Carpet beetles		
Cigarette beetles		
Clover mites		
Confused flour beetles		
Crickets		
Drug store beetles		
Earwigs		
Flat grain beetles		
Granary weevils		
Indian meal moths		
Red flour beetles		
Rice weevils		
Roaches		
Rusty grain beetles		
Saw-toothed grain beetles		
Silverfish		
Spiders		

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No. ~~111~~

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

NOV 26 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

655-777