

19713-217

4/13/2011

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



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

APR 13 2011

Luz G. Chan  
Registration Manager  
Drexel Chemical Company  
P.O. Box 13327  
Memphis, TN 38113-0327

Dear Ms. Chan:

Subject: Submission of amended labeling per Use Deletion Guidance 12/30/08 and revised May 2009 Malathion RED Label Table  
EPA Reg. No. 19713-217  
Submissions dated February 6, 2009

The proposed labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you submit two copies of your final printed label before you release the product for shipment. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

Your product has met and is in compliance with the risk mitigation provisions of the 2009 Malathion RED and therefore your product is reregistered pursuant to FIFRA § 4(g)(2)(C). But note, EPA is currently reassessing the cumulative impact of organophosphates and that review may impact your product once complete.

A stamped copy is enclosed for your records. If you have any questions, please contact Marianne Lewis at (703) 308-8043 or [lewis.marianne@epa.gov](mailto:lewis.marianne@epa.gov).

Regards,

A handwritten signature in cursive script that reads "Venus Eagle".

Venus Eagle, PM 01  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure



ACCEPTED  
4/13/11  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide Registered under EPA Reg. No. 19713-217

# Malathion 5EC

Insecticide / Miticide

**ACTIVE INGREDIENT:**

Malathion .....	57.0%
<b>OTHER INGREDIENTS:</b> .....	43.0%
<b>TOTAL:</b> .....	100.0%

This product contains 5 pounds of Malathion per gallon.  
Contains petroleum distillate.

## 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 the label, find someone to explain it to you in detail.)

See **FIRST AID** Below

EPA Reg. No. 19713-217  
EPA Est. No. 19713-XXX

Net Content: \_\_\_\_\_

FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.	
<b>NOTE TO PHYSICIAN:</b> This product may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine. Malathion is an organophosphate insecticide/miticide. May pose an aspiration pneumonia hazard. Contains petroleum distillate. Vomiting may cause aspiration pneumonia.	

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**WARNING:** Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber or viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

**Mixers, loaders, applicators, flaggers and other handlers must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves, shoes plus socks, and protective eyewear such as goggles or faceshield.

**For all Dip Applications – Mixers, loaders, and applicators must wear:** Long-sleeved shirt, long pants, shoes and socks, chemical resistant gloves, chemical resistant apron, and protective eyewear such as goggles or faceshield.

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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS

**Users should:** 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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.

### ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40CFR170.240(d)(6)]. Pilots must wear the PPE required on this labeling for applicators.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, including fish and invertebrates. This product may contaminate water through drift of spray in wind. This product has a high potential for runoff after application. Use care when applying in or to an area which is adjacent to any body of water, and do not apply when weather conditions favor drift from target area. Poorly draining soils and soils with shallow water tables are more prone to product runoff that contains this product.

### PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.



Manufactured By:  
**Drexel Chemical Company**  
P.O. BOX 13327, MEMPHIS, TN 38113-0327  
**SINCE 1972**

A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

This pesticide 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 while bees are actively visiting the treatment area.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system. 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and 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 (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI. The REI for each crop is listed in the directions for use associated with each crop.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

**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 (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or nurseries.

Do not enter or allow others to enter until sprays have dried.

**SPRAY DRIFT REQUIREMENTS**

Observe the following requirements when spraying in the vicinity of aquatic areas such as, but not limited to lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds.

**Droplet Size**

Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure. For groundboom and aerial applications, use only medium or coarser spray nozzles according to ASAE (S572) definition for standard nozzles, or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

**Wind Direction and Speed**

Make aerial or ground applications when the wind velocity favors on target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

**Temperature Inversion**

Do not make aerial or ground applications into areas of temperature inversions.

Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

**Additional Requirements for Ground Applications**

Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided. For groundboom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

**Additional Requirements for Aerial Applications**

For aerial applications, the spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or 90% rotor diameter.

Aerial applicators must consider flight speed and nozzle orientation in determining droplet size.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

**Buffer Zones for Aerial Application**

When making a Non-ULV application with aerial application equipment, a minimum buffer zone of 25 feet must be maintained along any water body.

When making a ULV application with aerial application equipment, a minimum buffer zone of 50 feet must be maintained along any water body.

**USE RESTRICTIONS**

Any ULV end use product formulated for use for aerial applications, other than those with directions for use in Wide Area Mosquito Adulticide applications, must be packaged in closed mixing and loading systems.

**PHI = Pre-Harvest Interval**

**REI = Restricted Entry Interval**

**VEGETABLES**

Apply this product in a minimum of 30 gallons of water by ground equipment or 5 gallons of water by air equipment unless otherwise specified. Best results are obtained with uniform coverage. Use higher rate when insect pressure is heavy.

Vegetable Crops	Pests Controlled	Rate per Acre	PHI (Days)
Asparagus (REI = 12 hrs.)	Asparagus aphids, Asparagus beetles	2 pts.	1
	Thrips	1.5 to 2 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; the minimum retreatment interval is 7 days.			
Beets (Garden, including Tops) (REI = 12 hrs.)	Aphids	1.5 to 2 pts.	7
	<b>SPECIFIC DIRECTIONS:</b> Do not apply within 7 days of harvest if tops are to be used as food or feed.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days. DO NOT apply to Sugarbeets.			
Broccoli (REI = 48 hrs.)	Aphids, Cabbage loopers, Imported cabbageworms	1 to 2 pts.	2
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Brussels sprouts (REI = 48 hrs.)	Aphids	1 to 2 pts.	2
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			

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<b>(Cont.)</b>			
<b>Vegetable Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Cabbage (REI = 48 hrs.)	Aphids, Cabbage loopers, Imported cabbageworms	1 to 2 pts.	7
	Diamondback moth, Webworms	2 pts.	
	SPECIFIC DIRECTIONS: 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.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 6; and the minimum retreatment interval is 7 days.			
Carrots (Roots) (REI = 24 hrs.)	Aphids	1.5 to 2 pts.	7
	Leafhoppers	2 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Cauliflower (REI = 48 hrs.)	Diamondback moths	2 pts.	2
	Aphids	1 to 2 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Celery (REI = 24 hrs.)	Aphids, Spider mites	2.4 pts.	7
	SPECIFIC DIRECTIONS: To be applied to fresh leaves and stalks only.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.5 pounds a.i. (2.4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Collards (REI = 12 hrs.)	Aphids	1.6 pts.	7
	Harlequin cabbage bugs	1 pt.	
	SPECIFIC DIRECTIONS: 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.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Cucumbers (REI = 24 hrs.)	Aphids, Pickleworms, Spider mites	1.5 to 2 pts.	1
	Cucumber beetles, Squash vine borers	2.8 pts.	
	Leafminers	2 pts.	
	SPECIFIC DIRECTIONS: Do not apply to Cucumbers unless plants are dry.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.75 pounds a.i. (2.8 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
<b>(Continued)</b>			

<b>(Cont.)</b>			
<b>Vegetable Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Dandelions, Parsnips (REI = 24 hrs.)	Aphids	1.5 to 2 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2 for Dandelion and 3 for Parsnips. The minimum retreatment interval is 7 days.			
Eggplants (REI = 12 hrs.)	Aphids, Spider mites	1 pt.	3
	Lace bugs	2.5 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 5 days.			
Endive (REI = 24 hrs.)	Aphids, Spider mites	1.5 to 2 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Garlic, Shallots (REI = 24 hrs.)	Aphids, Thrips	1.5 to 2 pts.	3
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 3 for Garlic and 2 for Shallots. The minimum retreatment interval is 7 days.			
Hops (REI = 12 hrs.)	Aphids, Spider mites	1 pt.	10
<b>USE RESTRICTIONS:</b> The maximum application rate is 0.63 pound a.i. (1 pint of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Horseradish (REI = 24 hrs.)	Aphids	1.5 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Kale (REI = 12 hrs.)	Aphids, Cabbage loopers, Imported cabbageworms	1 to 1.6 pts.	7
	Webworms, Diamondback moth	1.6 pts.	
	SPECIFIC DIRECTIONS: 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.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days.			
Kohlrabi (REI = 24 hrs.)	Aphids	1 to 2 pts.	7
	Cabbage loopers, Diamondback moth, Imported cabbageworms, Webworms	2 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Leeks (REI = 24 hrs.)	Aphids	1.5 to 2 pts.	3
	Onion maggots, Thrips	2.5 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
<b>(Continued)</b>			

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<b>(Cont.)</b>			
<b>Vegetable Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Lettuce (Head, Leaf) (REI = 24 hrs.)	Aphids, Leafhoppers, Spider mites	2 pts.	14
	Cabbage loopers	3 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.88 pounds a.i. (3 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 5 days for leaf and 6 days for head lettuce.			
Mushrooms (REI = 12 hrs.)	Mites, Phorid flies, Sciariid flies	2.7 pts./A or 1 fl. oz. per 1,000 sq. ft. of bed	1
	<b>SPECIFIC DIRECTIONS:</b> Make thorough applications as soon as possible after picking. Repeat application as necessary at 3 day intervals.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.7 pounds a.i. (2.7 pints of this product) per acre (1 fl. oz. of this product per 1,000 sq. ft. of bed); the maximum number of applications per year is 4; and the minimum retreatment interval is 3 days.			
Mustard greens (REI = 12 hrs.)	Aphids, Cabbage loopers, Imported cabbageworms, Flea beetles	1.6 pts.	7
	<b>SPECIFIC DIRECTIONS:</b> 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.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days.			
Okra (REI = 12 hrs.)	Aphids	1.5 pts.	1
	Japanese beetles	1.9 pts.	
<b>SPECIFIC DIRECTIONS:</b> Make no application after pods start to form.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.2 pounds a.i. (1.9 pints of this product) per acre; the maximum number of applications per year is 5; and the minimum retreatment interval is 7 days.			
Onions (Bulb, Green) (REI = 12 hrs.)	Onion maggots	1.5 to 2.5 pts.	3
	Onion thrips	1.5 to 2 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Parsley (REI = 7 days)	Aphids	1.5 to 2 pts.	2
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.5 pounds a.i. (2.4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Peas (Dry, Succulent) (REI = 12 hrs.)	Aphids, Grasshoppers	1.6 pts.	3
	Leafhoppers	1.25 to 1.6 pts.	
<b>SPECIFIC DIRECTIONS:</b> Do not graze or feed treated crop foliage to livestock.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Peppermint, Spearmint (REI = 12 hrs.)	Aphids, Flea beetles, Leafhoppers, Spider mites	1.5 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 0.94 pound a.i. (1.5 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
<b>(Continued)</b>			

<b>(Cont.)</b>			
<b>Vegetable Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Peppers (REI = 12 hrs.)	Aphids	1 to 2.5 pts.	3
	Pepper maggots	2.5 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 5 days.			
Potatoes (REI = 12 hrs.)	Aphids, Grasshoppers,	2 pts.	0
	Leafhoppers		
	False chinch bugs	1.5 pts.	
	Mealybugs	2 to 2.5 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Pumpkins (12 hrs.)	Aphids, Pickleworms, Spider mites	1.6 pts.	1
	Leafhoppers	1.5 pts.	
	Cucumber beetles, Squash vine borers	1.6 pts.	
	<b>SPECIFIC DIRECTIONS:</b> Do not apply to Pumpkins unless plants are dry.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Radish (REI = 12 hrs.)	Aphids	1.5 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Rutabagas (REI = 12 hrs.)	Aphids	1.5 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Spinach (REI = 12 hrs.)	Aphids	1.6 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Squash (Summer) (REI = 24 hrs.)	Aphids, Leafminers, Spider mites, Pickleworms	2 pts.	1
	Cucumber beetles, Squash vine borers	2.8 pts.	
<b>SPECIFIC DIRECTIONS:</b> Do not apply to Squash unless plants are dry.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.75 pounds a.i. (2.8 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Squash (Winter) (REI = 12 hrs.)	Aphids, Leafminers, Spider mites, Pickleworms, Cucumber beetles, Squash vine borer	1.6 pts.	1
	<b>SPECIFIC DIRECTIONS:</b> Do not apply to Squash unless plants are dry.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
<b>(Continued)</b>			

<b>(Cont.)</b>			
<b>Vegetable Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Sweet potatoes (REI = 12 hrs.)	Leafhoppers	1.5 to 2 pts.	0
	Morningglory leafminers	2.5 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Swiss chard (REI = 12 hrs.)	Aphids	1.6 pts.	14
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Tomatoes (REI = 12 hrs.)	Aphids	1.5 pts.	1
	Drosophila, Armyworms	2.5 pts.	
	Spider mites	1.5 pts.	1
	Fruitworms (CA only)	2.5 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 5 days.			
Turnips (Greens, Roots) (REI = 12 hrs.)	Aphids, Cabbage loopers, Imported cabbageworms	1 to 2 pts.	1
	<b>SPECIFIC DIRECTIONS:</b> 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.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days for turnip greens and 7 days for turnip roots.			
Watercress (REI = 12 hrs.)* (REI = 24 hrs.)*	Aphids	1.6 pts.* (2 pts.)*	3
<b>USE RESTRICTIONS:</b> *The REI is 12 hours if applied at the maximum rate of 1 pound a.i. (1.6 pints of this product) per acre. The REI is increased to 24 hours if applied at the maximum rate of 1.25 pounds a.i. (2 pints of this product) per acre. The maximum number of applications per year is 5 and the minimum retreatment interval is 3 days.			

**FRUIT AND NUT CROPS**

Use higher rate when insect pressure is heavy.

<b>Fruit and Nut Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Apricots (REI = 12 hrs.)	Aphids, Codling moths, European fruit lecaniums, Orange tortrix, Soft brown scales, Terrapin scales	2 pts.	6
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.5 pounds a.i. (2.4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
<b>(Continued)</b>			

<b>(Cont.)</b>			
<b>Fruit and Nut Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Avocados (REI = 48 hrs.)	Greenhouse thrips, Latania scales, Omnivorous loopers, Orange tortrix, Soft brown scales	7.5 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 4.7 pounds a.i. (7.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 30 days.			
Blackberries, Boysenberries, Dewberries, Gooseberries, Loganberries, Raspberries (REI = 12 hrs.)	Aphids, Rose scale chafers, Japanese beetles, Leafhoppers, Mites, Thrips	3 pts.	1
<b>USE RESTRICTIONS:</b> The maximum application rate is 2 pounds a.i. (3.2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Blueberries (REI = 12 hrs.)	Blueberry maggots	1 pt. per 100 gals. + 1.5 qts. Staley's Sauce Base No. 7 Bait (protein hydrolysate bait) or Nu-Lure®	1
	<b>SPECIFIC DIRECTIONS:</b> For use in the Northeast only. Apply in 100 gals. of water per acre.		
	Cherry fruitworms	2 pts.	1
	Cranberry fruitworms		
<b>SPECIFIC DIRECTIONS:</b> Make first application at egg hatch and repeat applications every 5 days until a total of 3 applications have been made.			
	Japanese beetles	1.5 pts.	1
<b>SPECIFIC DIRECTIONS:</b> Make application when first berries turn blue and at 10-day intervals as long as infestation persists.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days.			
Cherries (Sweet, Tart) (REI = 12 hrs.)	Black cherry aphids, Fruittree leafrollers, Cherry fruit flies, Japanese beetles	2.8 pts.	3
<b>SPECIFIC DIRECTIONS:</b> Injury may occur on certain varieties of Sweet cherries, particularly in the Northwest.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.75 pounds a.i. (2.8 pints of this product) per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 3 days.			
<b>(Continued)</b>			

(Cont.)			
Fruit and Nut Crops	Pests Controlled	Rate per Acre	PHI (Days)
Citrus (Grapefruits, Lemons, Limes, Oranges, Tangerines, Tangelos) <b>(CA Only)</b> (REI = 12 hrs.)* (REI = 72 hrs.)*	Black scales (single and off-brooded), California red scales, Citricola scales, Purple scales, Soft brown scales, Yellow scales, Florida purple scales, Florida red scales	2.4 pts.* (12 pts.)*	7
	SPECIFIC DIRECTIONS: Do not apply when trees are in bloom.		
	Citrus red mites, Thrips	2.4 pts.* (12 pts.)*	7
<b>USE RESTRICTIONS:</b> *The REI is 12 hours if applied at the maximum rate of 1.5 pounds a.i. (2.4 pints of this product) per acre; maximum number of applications per year is 3 at minimum retreatment interval of 30 days. However, the REI is increased to 72 hours if applied at the maximum rate of 7.5 pounds a.i. (12 pints of this product) per acre; only 1 application is allowed per year.			
Citrus (Grapefruits, Lemons, Limes, Oranges, Tangerines, Tangelos) <b>(All Other States; Except CA)</b> (REI = 12 hrs.)* (REI = 72 hrs.)*	Black scales (single and off-brooded), California red scales, Citricola scales, Purple scales, Soft brown scales, Yellow scales, Florida purple scales, Florida red scales	2.4 pts.* (7.2 pts.)*	7
	SPECIFIC DIRECTIONS: Do not apply when trees are in bloom.		
	Citrus red mites, Thrips	2.4 pts.* (7.2 pts.)*	7
<b>USE RESTRICTIONS:</b> *The REI is 12 hours if applied at the maximum rate of 1.5 pounds a.i. (2.4 pints of this product) per acre; maximum number of applications per year is 3 at minimum retreatment interval of 30 days. However, the REI is increased to 72 hours if applied at the maximum rate of 4.5 pounds a.i. (7.2 pints of this product) per acre; only 1 application is allowed per year.			
Currants (REI = 12 hrs.)	Japanese beetles, Rose chafers, Mites	2 pts.	1
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Figs (REI = 12 hrs.)* (REI = 24 hrs.)*	Dried fruit beetles, Vinegar flies	2.4 pts.* (3.2 pts.)*	5
	SPECIFIC DIRECTIONS: Apply with 2 gallons of unsulfured molasses per acre.		
<b>USE RESTRICTIONS:</b> *The REI is 12 hours if applied at the maximum rate of 1.5 pounds a.i. (2.4 pints of this product) per acre. However, the REI is increased to 24 hours if applied at the maximum rate of 2 pounds a.i. (3.2 pints of this product) per acre. The maximum number of applications per year is 2; the minimum retreatment interval is 5 days.			
<b>(Continued)</b>			

(Cont.)			
Fruit and Nut Crops	Pests Controlled	Rate per Acre	PHI (Days)
Grapes (REI = 72 hrs. for girdling and tying; 24 hrs. for all other activities)	Leafhoppers, Spider mites, European fruit lecaniums	3 pts.	3
	Mealybugs	1.5 pts.	3
SPECIFIC DIRECTIONS: For European fruit lecaniums - Make full coverage applications when newly hatched nymphs are migrating over vines, usually shortly after bloom. Injury may occur on Grapes of Almeria, Cardinal, Italia and Ribier varieties when sprays containing this product are applied after clusters appear.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.88 pounds a.i. (3 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 14 days.			
Grapevines (over-Wintering on nursery stock only) (REI = 24 hrs.)	Grape phylloxera	3 pts. per 100 gals.	-
	SPECIFIC DIRECTIONS: Remove excess soil from the roots and dip in solution of this product. Submerge the entire root system for 5 minutes. Keep the solution agitated at all times.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.88 pounds a.i. (3 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 14 days.			
Kumquat (REI = 48 hrs.)	Black scales (single and off-brooded), California red scales, Citricola scales, Purple scales, Soft brown scales, Yellow scales, Florida purple scales, Florida red scales	7.2 pts.	7
	SPECIFIC DIRECTIONS: Do not apply when trees are in bloom.		
	Citrus red mites, Thrips	7.2 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 4.5 pounds a.i. (7.2 pints of this product) per acre; only 1 application is allowed per year.			
Macadamia nuts (REI = 12 hrs.)	Green stink bugs	1.5 pts.	1
SPECIFIC DIRECTIONS: Apply when insects start to feed on the Nuts and repeat as necessary.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 0.94 pound a.i. (1.5 pints of this product) per acre; the maximum number of applications per year is 6; and the minimum retreatment interval is 7 days.			
Nectarines (REI = 24 hrs.)	Spider mites	3 to 4.8 pts.	7
	Plum curculios	4.8 pts.	
SPECIFIC DIRECTIONS: This product may cause fruit spotting on Nectarines.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 3 pounds a.i. (4.8 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
<b>(Continued)</b>			

<b>(Cont.)</b>			
<b>Fruit and Nut Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Papayas (REI = 12 hrs.)	Aphids, Mealybugs	1.5 to 2 pts.	1
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 8; and the minimum retreatment interval is 3 days.			
Peaches (REI = 24 hrs.)	Black cherry aphids, Black peach aphids, European red mites, Green peach aphids, Rusty plum aphids, Japanese beetles, Spider mites, Oriental fruit moths, Plum curculios, Cottony peach scales, European fruit lecaniums, Terrapin scales	4.8 pts.	7
	<b>SPECIFIC DIRECTIONS:</b> Make full coverage applications at completion of hatching, about the last of June.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 3 pounds a.i. (4.8 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 11 days.			
Pecans (REI = 24 hrs.)	Aphids, Spider mites, Walnut aphids, European red mites, Pecan leaf phylloxera	4 pts.	7
	<b>SPECIFIC DIRECTIONS:</b> Apply when buds begin to develop and repeat as necessary.		
	Pecan nut casebearers, Walnut huskflies	4 pts.	7
<b>SPECIFIC DIRECTIONS:</b> Apply after first generation eggs begin to hatch.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 2.5 pounds a.i. (4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Pineapple (REI = 24 hrs.)	Mealybugs	3.2 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 2 pounds a.i. (3.2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Strawberries (REI = 12 hrs.)	Aphids, Spider mites	1.5 pts.	3
	Field crickets, Lygus bugs, Spittlebugs, Thrips	1.5 to 3 pts.	
	Potato leafhoppers, Strawberry leafrollers, Strawberry root weevils, Whiteflies	1.5 to 2.5 pts.	
<b>USE RESTRICTIONS:</b> The maximum application rate is 2 pounds a.i. (3.2 pints of this product) per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 7 days.			

(Continued)

<b>(Cont.)</b>			
<b>Fruit and Nut Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Walnuts (REI = 24 hrs.)	Aphids, European red mites, Walnut aphids, Walnut huskflies	1.5 to 3 pts.	7
	<b>SPECIFIC DIRECTIONS:</b> For bait sprays, combine Staley's Sauce Base No. 2 or No. 7 Bait (protein hydrolysate bait) or Nu-Lure at the rate of 2 qts. per acre with this product.		
	Aphids, European red mites, Walnut aphids, Walnut huskflies	3 to 4 pts.	7
<b>SPECIFIC DIRECTIONS:</b> For bait sprays, combine Staley's Sauce Base No. 2 or No. 7 Bait (protein hydrolysate bait) or Nu-Lure at the rate of 2 qts. per acre with this product.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 2.5 pounds a.i. (4 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
<b>FIELD CROPS, PASTURE AND RANGE GRASSES</b>			
Use higher rate when insect pressure is heavy.			
<b>Field Crops</b>	<b>Pests Controlled</b>	<b>Rate per Acre</b>	<b>PHI (Days)</b>
Alfalfa (REI = 12 hrs.)	Alfalfa weevil larvae, Aphids, Grasshoppers, Lygus bugs, Potato leafhoppers, Spider mites, Spittlebugs, Stinkbugs	1.5 to 2 pts.	0
	Armyworms	2 pts.	
	Clover leaf weevils	1.5 pts.	
	Vetch bruchids	2 pts.	
	<b>SPECIFIC DIRECTIONS:</b> 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.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product); the maximum number of applications is 2 per cutting; and the minimum retreatment interval is 14 days.			
Clovers (REI = 12 hrs.)	Alfalfa weevil larvae, Aphids, Grasshoppers, Lygus bugs, Potato leafhoppers, Spider mites, Spittlebugs	1.5 to 2 pts.	0
	Armyworms	2 pts.	
	Clover leaf weevils	1.5 pts.	
	<b>SPECIFIC DIRECTIONS:</b> Do not apply to Clover in bloom.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications is 2 per cutting; and the minimum retreatment interval is 14 days.			

(Continued)



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(Cont.)				
Field Crops	Pests Controlled	Rate per Acre	PHI (Days)	
Corn (Field) (REI = 72 hrs. for detasseling; 12 hrs. for all other activities)	Aphids, Corn earworms, Corn rootworms (adults), Grasshoppers, Sap beetles, Thrips, Armyworms	1.5 pt.	7	
	SPECIFIC DIRECTIONS: For control of Corn earworms and Sap beetles, begin treatments when 10% of the ears show silk. Injury may occur in the whorl and silk stages with this product.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.				
Corn (Pop, Sweet) (REI = 72 hrs. for detasseling; 12 hrs. for all other activities)	Armyworms, Aphids, Corn earworms, Corn rootworms (adults), Grasshoppers, Japanese beetles, Sap beetles, Thrips	1.6 pts.	5	
	<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 5 days.			
Cotton (REI = 48 hrs.)	Brown cotton leafworms, Cotton aphids, Cotton leafworms, Cotton leafperforators, Desert spider mites, Leafhoppers, Lygus bugs, Thrips, Whiteflies	0.5 to 2 pts.	7	
	Boll weevil	2 to 4 pts.		
	Cotton fleahoppers	1 to 1.5 pts.		
	Fall armyworms, Garden webworms, Grasshoppers	1.5 to 3 pts.		
	Lygus bugs, Thrips	1 to 4 pts.		
	SPECIFIC DIRECTIONS: Consult local agricultural authorities for exact time of application.			
	<b>USE RESTRICTIONS:</b> The maximum application rate is 2.5 pounds a.i. (4 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Grasses, Hay (Barnyardgrass, Canarygrass, Fescue or Orchardgrass, Redtop, Timothy, Yellow foxtail) (REI = 12 hrs.)	Cereal leaf beetles	1 to 2 pts.	0	
	Aphids, Grasshoppers, Leafhoppers	1.5 to 2 pts. OR 1.5 pts. in 1 gal. of diesel fuel oil per acre		
	Armyworms	2 pts. OR 1 pt. in 1 gal. of diesel fuel oil per acre		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications is 1 per cutting.				
(Continued)				

(Cont.)			
Field Crops	Pests Controlled	Rate per Acre	PHI (Days)
Pasture and Rangeland (REI = 12 hrs.)	Aphids, Grasshoppers, Leafhoppers	1.4 pts. OR 1.4 pts. in 1 gal. of diesel fuel oil per acre	0
	Armyworms	1.4 pts. OR 1 pt. in 1 gal. of diesel fuel oil per acre	
<b>USE RESTRICTIONS:</b> For ULV application only, use closed mixing and loading systems. The maximum application rate is 0.92 pound a.i. (1.4 pints of this product) per acre; the maximum number of applications is 1 per cutting.			
Rice, Wild rice (REI = 12 hrs.)	Rice leafminers, Rice stink bugs	0.9 pt.	14
SPECIFIC DIRECTIONS: ULV Application: Apply by air in 2 gallons of water per acre. Make the first application shortly after the first Rice blades appear on the surface of the water and repeat, if necessary. 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.			
<b>USE RESTRICTIONS:</b> For ULV application only, use closed mixing and loading systems. The maximum application rate is 0.61 pound a.i. (0.9 pint of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Rice, Wild rice (REI = 12 hrs.)	Rice leafminers	2 pts.	7
	SPECIFIC DIRECTIONS: Make the first application shortly after the first Rice blades appear on the surface of the water and repeat, if necessary. 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.		
	Rice stink bugs	1 to 1.5 pts.	7
	SPECIFIC DIRECTIONS: Apply by air in 5 gals. of water per acre during the early milk and dough stage of growing Rice. Repeat application as necessary. 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.		
	<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.		
Small grains (Barley) (REI = 12 hrs.)	Cereal leaf beetles	1 to 1.5 pts.	7
	English grain aphids, Grasshoppers, Greenbugs	1.5 pts.	
	Winter grain mites	2 pts.	
	SPECIFIC DIRECTIONS: Do not apply within 7 days of forage use.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
(Continued)			

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(Cont.)			
Field Crops	Pests Controlled	Rate per Acre	PHI (Days)
Small grains (Oats, Rye, Wheat) (REI = 12 hrs.)	Cereal leaf beetles, English grain aphids, Grasshoppers, Greenbugs, Winter grain mites	1.6 pts.	7
<b>USE RESTRICTIONS:</b> The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2 for Oats and Wheat and 3 for Rye. The minimum retreatment interval is 7 days.			
Vetch (REI = 12 hrs.)	Omnivorous leafhoppers, Pea aphids, Vetch bruchids	1.5 to 2 pts.	0
<b>SPECIFIC DIRECTIONS:</b> May be applied on the day of harvest or grazing.			
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications is 2 per cutting; and the minimum retreatment interval is 14 days.			

**OUTDOOR ORNAMENTALS (REI = 12 HRS.)**

**Ornamental and/or Shade Trees, Ornamental Herbaceous Plants, Ornamental Non-flowering Plants, and Ornamental Woody Shrubs and Vines:** Injury may occur on Canareti juniper, Crassula, Ferns, Hickory, Lantana and Viburnum following the use of this product. Slight injury has also been reported on Boston and Maidenhair ferns, Maples, Petunias, Pteris, Small leaf spreas and White pines. Under extreme heat, drought and disease conditions, this product may cause slight damage to Elms.

**SPECIFIC DIRECTIONS:**

- Add specified amounts of water and this product to sprayer tank.
- Apply when insects or damage appear. Repeat as necessary to maintain control following the specification in the "USE RESTRICTIONS".
- Apply when air is calm.
- Start spraying at the farthest end of the treatment area and work backwards to avoid contact with wet surfaces.
- Spray thoroughly to wet upper and lower leaf surfaces, stems, and branches.
- Allow spray to dry in treated areas before reentering.

Pests	Rate per		
	100 Gals. of Water	OR	Gal. of Water
Aphids, Spider mites	1.5 pts.	OR	2 tsps.
Azalea scales, Magnolia scales, Pine leaf scales	2 pts.	OR	2 tsps.
Bagworms, Birch leafminers, Boxwood leafminers	2 pts.	OR	2 tsps.
Black scales (crawlers), Soft brown scales	2.25 pts.	OR	2 tsps.
Euonymous scales, Scurfy scales	1.5 pts.	OR	2 tsps.
European pine shoot moths, Fourlined leaf bugs, Japanese beetles (adult), Potato leafhoppers, Rose leafhoppers, Tarnished plant bugs, Thrips	1.5 pts.	OR	2 tsps.
Fletcher scales*	2 pts.	OR	2 tsps.
Florida red scales, Juniper scales*	2 pts.	OR	2 tsps.
Lace bugs	1 pt.	OR	2 tsps.
Mealybugs, Whiteflies	1.5 pts.	OR	2 tsps.
Monterey pine scales	2.5 pts.	OR	2 tsps.
Oak kermes*	2 pts.	OR	2 tsps.
Oystershell scales*	1 pt.	OR	2 tsps.
Pine needle scales	4 pts.	OR	4 tsps.
Tent caterpillars	2 pts.	OR	2 tsps.
Wax scales**	4 pts.	OR	4 tsps.

**USE RESTRICTIONS:** Do not apply more than 2.5 pounds a.i. (4 pints of this product) per acre (1.5 fl. ozs. or 3 tbsps. per 1,000 sq. ft.) per application. Maximum number of applications per year is 2. Minimum retreatment interval is 10 days.

\* Apply when Scale crawlers have settled on foliage.  
\*\* Apply in Spring when crawlers are active. Repeat 1 or 2 full coverage applications at 10-day intervals.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal.

**PESTICIDE STORAGE:** 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). Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or case. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps:

1. Contain spill. Absorb with a material such as sawdust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with soap and water to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Place leaking container in a plastic tub and transfer contents, as soon as possible, to an empty, original container.
6. Do not allow runoff to enter sewer or contaminate water supplies.
7. Dispose of waste.

**PESTICIDE DISPOSAL:** To avoid wastes, use all materials in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by State or local governments or by industry).

**CONTAINER DISPOSAL:**

**Nonrefillable Container (rigid material; less than 5 gallons):**  
Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

**Nonrefillable Container (rigid material; 5 gallons or greater):**  
Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

**Refillable Containers:**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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## WARRANTY-CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

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