

83772-6

3/24/2010

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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

MAR 24 2010

Mr. Robert G. Butz, PhD.  
Agent for AGSAVER, LLC  
Carter Ledyard & Milburn LLP  
701 8<sup>th</sup> Street, N.W. Suite 410  
Washington, DC 20001-3893

Dear Dr. Butz:

Subject: Amendment- Notice of Registration dated December 29, 2009  
AgSaver™ Permethrin 3.2 EC  
EPA Registration Number 83772-6  
Your submission dated March 12, 2010

The application referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following comments:

1. On page 13 under walnuts application rate lb ai/a change "0.2-0.4" to "0.2 to 0.25".
2. On page 13 under walnuts application rate fl oz product/A change "8-16" to "8-10".

A stamped label is enclosed for your records.

If you have any questions regarding this action, please contact Linda A. DeLuise of my team at (703) 305-5428.

Sincerely yours,

*Linda A. DeLuise*

Richard Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7505P)

Enclosure

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[MASTER LABEL  
ESL20091229 AMEND20100312]

**RESTRICTED USE PESTICIDE**  
**Due to Toxicity to Fish and Aquatic Organisms.**  
For retail sale to and use only by Certified Applicators, or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

# AgSaver™ Permethrin 3.2EC

**AgSaver™ Permethrin 3.2EC IS NOT FOR SALE OR USE IN CALIFORNIA.**

**ACTIVE INGREDIENTS:**

Permethrin\* ..... 36.08%

**OTHER INGREDIENTS<sup>†</sup>:**..... 63.92%  
100.00%

\* (3-Phenoxyphenyl)methyl (±) cis-trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate  
cis/trans ratio: Max. 55% (±) cis and min. 45% (±) trans

† Contains xylene range aromatic solvents  
Contains 3.2 pounds permethrin per gallon

EPA Reg. No. 83772-6

EPA Est. No. 37429-GA-2

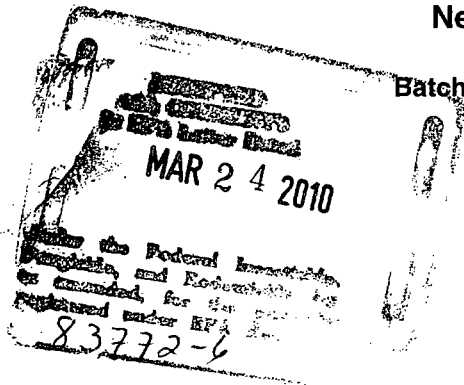
## KEEP OUT OF REACH OF CHILDREN CAUTION

See [other] [side] [back] panel[s] for additional precautionary information.  
This label must be in the possession of the user at the time of application.

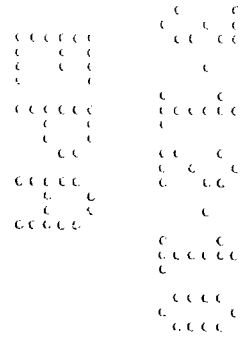
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

Manufactured for: AgSaver™, LLC • 203 East Ash Street • McGehee, AR 71654

Net Contents: 1 gal.



Batch Code: \_\_\_\_\_



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<b>FIRST AID</b>	
<b>If Inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>If on Skin or Clothing:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>If in Eyes:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>If Swallowed:</b>	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give <b>any</b> liquid to the person. Do not give anything by mouth to an unconscious person.
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact: 1-800-222-1222 for emergency medical treatment information.	
<b>Note to Physician:</b> May cause an aspiration pneumonia hazard. Contains petroleum distillate. Vomiting should be supervised by a physician or the professional staff because of the possible pulmonary damages by aspiration of the solvent.	

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

Contains Petroleum Distillate. **Caution:** Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.

### Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

**Applicators using ULV cold foggers or fog/mist generators in indoor spaces must wear:** coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, chemical resistant footwear plus socks, and chemical-resistant headgear, if overhead exposure.

**Applicators using ULV cold foggers and/or fog/mist generators in outdoor spaces must wear:** long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves.

**All other mixers, loaders, other applicators and other handlers must wear:** long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves for all handlers except for applicators using motorized ground equipment, pilots, and flaggers, chemical resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate and for handlers performing animal dip applications.

See engineering controls for additional requirements.

### Engineering controls

Pilots must use an enclosed cockpit that meet the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

**User Safety Recommendations:**

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should 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.

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.

Discard clothing and other absorbent materials that have been drenched (except as required by directions for use) or heavily contaminated with this product's concentrate. Do not reuse them.

**Environmental Hazards**

This product is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

Under some conditions, it may also have a potential for transport into surface water in runoff (primarily adsorbed to suspended soil particles), for several months or more after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

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.

**Physical/Chemical Hazards**

Do not use or store near heat or open flame.

**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 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.

**Resistance Management:** Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, use this product according to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience

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difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for you area.

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, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, 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. 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,
- Shoes plus socks, and
- Chemical-resistant gloves made of any waterproof material.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Do not store below 10°F (-12°C). Do not use or store near heat, open flame or hot surfaces. Keep out of reach of children and animals. Store in original containers only. Store in a cool dry place and avoid excess heat. Carefully open containers. After partial use replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill the container 1/4 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. Then offer for recycling, if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill.

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## GENERAL INSTRUCTIONS

### BUFFER ZONES

#### **Vegetative Buffer Strip**

Construct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing permethrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers:

*Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21 pp.*

<http://www.in.nrcs.usda.gov/technical/agronomy/newconbuf.pdf>.

#### **Buffer Zone for Ground Application (groundboom, overhead chemigation, or airblast)**

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

#### **Buffer Zone for ULV Aerial Application**

Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

#### **Buffer Zone for Non-ULV Aerial Application**

Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, natural ponds, estuaries, and commercial fish ponds).

### SPRAY DRIFT REQUIREMENTS

#### **Wind Direction and Speed**

Only apply this product if the wind direction favors on-target deposition.

Do not apply when the wind velocity exceeds 15 mph.

#### **Temperature Inversion**

Do not make aerial or ground applications into temperature inversions.

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

#### **Droplet Size**

Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

#### **Additional Requirements for Ground Applications**

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

For ground boom applications, apply using a nozzle height of 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**

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 the wing span or 80% rotor diameter.

Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

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.

#### **Chemigation Use Directions**

Apply this product only through sprinkler including center pivot, lateral move end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

Crop injury, lack of effectiveness, or illegal residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Continuously apply AgSaver Permethrin 3.2EC for the duration of the water application. Dilute AgSaver Permethrin 3.2EC in sufficient volume to ensure accurate application over the area to be treated. When



using chemigation, a minimum of 0.1 inch per acre of irrigation water is recommended. When a suitable diluent is used, agitation generally is not required. Conduct a diluent test to ensure that phase separation will not occur during dilution and application. Undesirable residues or less than desirable control may result when a uniform dilution throughout the time of application is not achieved.

### **COMMERCIAL IMPREGNATION AND APPLICATION OF AGSAVER PERMETHRIN 3.2EC ON DRY BULK FERTILIZERS**

AgSaver Permethrin 3.2EC may be impregnated on dry bulk fertilizers. Surface apply or shallow incorporate mixtures of AgSaver Permethrin 3.2EC and fertilizer. Use the higher rate when using incorporation.

**Impregnation:** Make applications using a minimum of 200 pounds of dry bulk fertilizer per acre and up to a maximum of 450 pounds per acre with the labeled amount of AgSaver Permethrin 3.2EC per acre. Use closed blender type of equipment, such as a closed rotary-drum mixer equipped with suitable spray equipment. For thorough coverage, position the spray nozzle(s) to provide a uniform and fine spray pattern over the tumbling fertilizer.

The physical properties of fertilizers vary including liquid absorptive capacity. A satisfactory, dry mixture is achieved when absorptivity is sufficient with a simple spray impregnation of the fertilizer with AgSaver Permethrin 3.2EC. However, if there is inadequate absorptive capacity, use a highly absorptive powder such as, Microcel E (Johns-Manville Products Corporation) to provide a dry, flowable mixture. In general, less than 2% by weight of Microcel E is required.

DO NOT impregnate AgSaver Permethrin 3.2EC onto straight coated ammonium nitrate or straight limestone because these materials will not absorb this product. However, it is acceptable to impregnate dry fertilizer blends containing mixtures of ammonium nitrate or limestone with AgSaver Permethrin 3.2EC.

For each production operation, carefully determine the amount of AgSaver Permethrin 3.2EC required in the preparation of each fertilizer mixture to ensure that the amount of pesticide applied to the soil represents the correct rate. Immediately apply bulk fertilizer impregnated with AgSaver Permethrin 3.2EC and do not store.

It is the responsibility of the individual and/or company selling the fertilizer and AgSaver Permethrin 3.2EC mixture that all individual state regulations relating to bulk dry fertilizer blending, registration, labeling, and application of the mixtures are followed.

### **APPLICATION INSTRUCTIONS**

Follow the Directions for Use in each crop/pest table, unless otherwise directed by registered supplemental labeling.

AgSaver Permethrin 3.2EC is a 3.2 pounds per gallon formulation of the insecticide permethrin. Make applications of AgSaver Permethrin 3.2EC when insects appear or feeding is noticed. Use higher rate as pest populations increase. To maintain control, repeat the applications according to retreatment intervals found in the following crop/pest tables. Make applications of AgSaver Permethrin 3.2EC by both ground and aerial equipment according to labeled directions.

Use sufficient water to obtain full coverage. With the exception of crops listed below, do not plant rotational crops within 60 days of last application.

Not for use in outdoor residential misting systems.

**INDEX TO CROPS LISTED**

Alfalfa and Alfalfa Grown For Seed
Almonds
Apples
Asparagus
Avocado
Broccoli, Chinese Broccoli (Gai Lon, White Flowering Broccoli), Brussels Sprouts, Cauliflower, Cavalo Broccolo, and Kohlrabi
Cabbage and Chinese Cabbage (Napa) (Tight-Heading Varieties Only)
Cherries (Includes Sweet Cherries and Tart Cherries)
Chrysanthemums (Greenhouse and Nursery)
Collards and Turnips
Conifers (Container and Field Grown)
Corn (Field), Field Corn Grown for Seed, and Popcorn
Corn (Field), Field Corn Grown for Seed, and Popcorn (At Plant Use)
Corn, Sweet
Corn, Sweet (Florida Only)
Cucurbit Vegetables
Eggplants
Filberts

Horseradish
Leafy Vegetables (Except Brassica)
Mushrooms (Mushroom Houses and Adjacent Premise Areas)
Onions (Bulb) and Garlic
Ornamental Nursery Stock, Field Grown (Including Non-Edible Ornamentals and Non-Bearing Plants of Fruiting Species)
Papaya (Florida Only)
Peaches and Nectarines
Pears (Dormant through Delayed Dormant)
Pears (Pre-Bloom)
Peppers (Bell)
Pine Seed Orchards
Pistachios
Potatoes
Range Grass (New Mexico Only)
Roses (Field Grown)
Roses (Greenhouse)
Soybeans
Tomatoes and Tomatillos
Walnuts
Premises Spray (For Agricultural Use Only)

11/09/20

**ALFALFA and ALFALFA GROWN FOR SEED**

Lucerne, Sainfoin, Holy clover, Esparcet, Birdsfoot Trefoil and Varieties and/or Hybrids of these Crops

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Alfalfa Caterpillar Armyworms Blue Alfalfa Aphid Cutworms Green Cloverworm Green Peach Aphid Loopers Pea Aphid Spotted Alfalfa Aphid Velvetbean Caterpillar Webworms	0.05 - 0.2	2 - 8
Alfalfa Weevil Cucumber Beetle Egyptian Alfalfa Weevil Meadow Spittlebug Plant Bugs (including <i>Lygus</i> spp.) Potato Leafhopper Stink Bugs	0.1 - 0.2	4 - 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below. For increased pest pressure or for increased residual pest control, use higher labeled rate.

Apply only to fields of pure stands of alfalfa, not to mixed stands with intentionally grown forage grasses and/or legumes.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.2 lb ai/A/cutting.

**Retreatment interval:** 30 days.

**Preharvest interval:** Do not apply within 14 days of harvest when rates greater than 0.1 lb. ai/A are used. At rates less than or equal to 0.1 lb. ai/A, this product may be applied up to day of harvest.

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**ALMONDS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Navel Orangeworm Peach Twig Borer	0.2 - 0.25	8 - 10

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

Do not graze livestock in treated areas.  
 Do not feed cover crops from treated areas to livestock.

**Ground applications:** Make applications at a minimum of 25-400 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 15 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.75 lb ai/A/season.

**Retreatment interval:** 10 days.

**Preharvest interval:** 7 days.

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Ants	0.25	10.0

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

To ensure maximum coverage, apply after mowing weeds. Overhead moisture following application will enhance activity.

Do not graze livestock in treated areas.  
 Do not feed cover crops from treated areas to livestock.

**Ground applications:** Make applications at a minimum of 15 gallons of finished spray per acre using ground equipment only.

**Maximum seasonal use rate:** Do not apply more than 0.75 lb ai/A/season.

**Retreatment interval:** 10 days.

**Preharvest interval:** 7 days.

**APPLES**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Green Fruitworm Oblique Banded Leafroller Plum Curculio Redbanded Leafroller Rosy Apple Aphid Spotted Tentiform Leafminer Tarnished Plant Bug White Apple Leafhopper	0.1 - 0.25	4 - 10

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

Do not graze livestock in treated areas.  
 Do not feed cover crops from treated areas to livestock.

**Ground applications:** Make applications at a minimum of 25 - 400 gallons of finished spray per acre using ground equipment only.

**Maximum seasonal use rate:** Do not apply more than 0.5 lb ai/A/season.

**Retreatment interval:** 10 days.

**Preharvest interval:** Do not apply after petal fall.

**ARTICHOKE**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Artichoke Plume Moth Leafminers	0.1 - 0.3	4 - 12

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.9 lb ai/A/season. Do not apply more than 3 applications per acre per season.

**Retreatment interval:** 10 days.

**Preharvest interval:** Buds may be harvested on the day of application.

**ASPARAGUS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Asparagus Beetle Cutworms	0.05 - 0.1	2 - 4

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre using ground equipment only.

**Maximum seasonal use rate:** Do not apply more than 0.4 lb ai/A/season.

**Retreatment interval:** 7 days.

**Preharvest interval:** 1 day.

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Asparagus Beetle Japanese Beetle (Adult stage) Lygus Bugs Tarnished Plant Bug	0.1	4

**DIRECTIONS & RESTRICTIONS**

For post harvest application only.

After spear harvest, apply to the fern stage of the asparagus plant when larval and adult stages are present. When necessary, repeat according to retreatment interval listed below. To obtain full coverage, use sufficient water.

**Maximum seasonal use rate:** Do not apply more than 0.4 lb ai/A/season.

**Retreatment interval:** 7 days.

**Preharvest interval:** 1 day.

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**AVOCADO**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Avocado Caterpillar Avocado Lace Bug Avocado Leafhopper Avocado Leafroller Avocado Looper Avocado Tree Girdler Avocado Whitefly Brown Soft Scale Mirids Omnivorous Looper Orange Tortrix Scale Crawlers Spanworm Thrips Twig Borers	0.2	8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

Do not graze livestock in treated areas.

Do not feed cover crops from treated areas to livestock.

**Ground applications:** Make applications at a minimum of 25-400 gallons of finished spray per acre using ground equipment only.

**Maximum seasonal use rate:** Do not apply more than 0.8 lb ai/A/season.

**Retreatment interval:** 7 days.

**Preharvest interval:** 7 days.

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**BROCCOLI, CHINESE BROCCOLI (Gai Lon, White Flowering Broccoli), BRUSSELS SPROUTS, CAULIFLOWER, CAVALO BROCCOLO, and KOHLRABI**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Armyworm spp. Cabbage Looper Diamondback Moth Imported Cabbageworm Plant Bugs Thrips	Broccoli & Chinese Broccoli, Cavalo Broccolo, Kohlrabi: 0.05 - 0.2  Brussels Sprouts, Cauliflower: 0.05-0.1	2-8    2 - 4
<b>DIRECTIONS &amp; RESTRICTIONS</b>		
<p>To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.</p> <p><b>Ground applications:</b> Make applications at a minimum of 10 gallons of finished spray per acre.</p> <p><b>Air applications:</b> Make applications at a minimum of 2 gallons of finished spray per acre.</p> <p><b>Maximum seasonal use rate:</b>  <b>Broccoli; Chinese Broccoli (Gai Lon, White Flowering Broccoli); Cavalo Broccolo; Kohlrabi:</b> Do not apply more than 0.8 lb ai/A/season.  <b>Brussels Sprouts:</b> Do not apply more than 0.4 lb ai/A/season.  <b>Cauliflower:</b> Do not apply more than 0.4 lb ai/A/season except in Hawaii where no more than 0.6 lb ai/A/season can be applied.</p> <p><b>Retreatment interval:</b> 5 days.</p> <p><b>Preharvest interval:</b> 1 day.</p>		

**CABBAGE and CHINESE CABBAGE (Napa) (Tight-heading Varieties Only)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Cabbage Looper Diamondback Moth Imported Cabbageworm Southern White Butterfly	0.05 - 0.2	2 - 8
Armyworm spp. Cutworms Flea Beetles	0.1 - 0.2	4 - 8
<b>DIRECTIONS &amp; RESTRICTIONS</b>		
<p>To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.</p> <p><b>Ground applications:</b> Make applications at a minimum of 10 gallons of finished spray per acre.</p> <p><b>Air applications:</b> Make applications at a minimum of 2 gallons of finished spray per acre.</p> <p><b>Maximum seasonal use rate:</b> Do not apply more than 0.4 lb ai/A/season except in Hawaii where no more than 0.8 lb ai/A/season can be applied.</p> <p><b>Retreatment interval:</b> 5 days.</p> <p><b>Preharvest interval:</b> 1 day.</p>		



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**CHERRIES** (Includes Sweet Cherries and Tart Cherries)

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Green Fruitworm Lesser Peach Tree Borer Plum Curculio Redbanded Leafroller Rose Chafer Tarnished Plant Bug	0.1 – 0.2	4 - 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

Do not graze livestock in treated areas.  
 Do not feed cover crops from treated areas to livestock.

**East of the Rockies:** Do not make more than 6 applications per season, with no more than 4 applications after petal fall.

**West of the Rockies:** Do not make more than 4 applications per season, with no more than 3 applications after petal fall.

**Ground applications:** Make applications at a minimum of 25-400 gallons of finished spray per acre using ground equipment only.

**Maximum seasonal use rate:** Do not apply more than 0.6 lb ai/A/season.

**Retreatment interval:** 10 days.

**Preharvest interval:** 3 days.

**CHRYSANTHEMUMS** (Greenhouse and Nursery)

PEST	APPLICATION RATE	
	LB AI/100 GAL of Water	FL OZ PRODUCT/100 GAL of Water
Liriomyza Leafminer Flies	0.5	20 (1 teaspoon per gallon)

**DIRECTIONS & RESTRICTIONS**

Do not spray blooms. To provide control, make applications when insects first appear and, when necessary, AgSaver Permethrin 3.2EC may be applied on a weekly schedule.

As a precaution, prior to a full scale application, treat a few plants of a particular cultivar and observe if any phytotoxicity occurs.

**COLLARDS and TURNIPS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Beet Armyworm Cabbage Looper Corn Earworm Cutworms Diamondback Moth European Corn Borer Fall Armyworm Green Cloverworm Imported Cabbageworm Leafhoppers Leafminer Southern Armyworm Southern White Butterfly Tobacco Budworm Vegetable Leafminer Aphids* (*Suppression only)	0.05 - 0.15	2 - 6

**DIRECTIONS & RESTRICTIONS**

For use on Collards in AR, AZ, GA, IL, NC, OK, SC, and TX and on Turnips in FL, GA, IL, IN, OK, SC, TX, and WA.

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre using ground equipment only.

**Maximum seasonal use rate:** Do not apply more than 0.45 lb ai/A/season and do not apply more than 0.4 lb ai/A/season on Turnips in FL, GA, SC, & WA.

**Retreatment interval:** 3 days.

**Preharvest interval:** 1 day.

**CONIFERS (Container and Field Grown)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Nantucket Pine Tip Moth	0.1 - 0.2	4 - 8

**DIRECTIONS & RESTRICTIONS**

Dilute AgSaver Permethrin 3.2EC in a non-volatile vegetable oil or water in a minimum of 1 gallon of finished spray per acre. Use equipment calibrated to provide adequate coverage. Begin application when the adults appear and, when necessary, repeat according to retreatment interval listed below.

**Retreatment interval:** 5 to 7 days or as needed throughout the season.

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**CORN (Field), FIELD CORN GROWN FOR SEED, and POPCORN**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
<i>Pre-emergent Use:</i> Armyworms Cutworms Stalk Borers	0.1 – 0.15	4 – 6 OR 0.3 - 0.46 fl oz per 1,000 linear feet row (based on a 4-inch band and 40 inch-row spacing)
<i>Foliar Use:</i> Armyworm (including Fall Armyworm) Corn Borer, European and Southwestern Corn Earworm Corn Rootworm Beetles Cutworms Flea Beetle Hop Vine Borer Stalk Borers Webworms	0.1 - 0.15	4 – 6
<i>Foliar Use:</i> Western Bean Cutworm	0.05 - 0.1	2 – 4

**DIRECTIONS & RESTRICTIONS**

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.45 lb ai/A/season.

**Retreatment interval:** Do not make treatments less than 7 days apart or apply less than 30 days prior to harvest of grain or fodder (stover).

**Preharvest interval:** Do not apply within 30 days of harvest of grain or fodder. Forage may be harvested on the day of application.

**Pre-emergent Use:**

AgSaver Permethrin 3.2EC may be applied as a pre-plant incorporated, pre-emergence, or at planting time application. To provide control, make applications when insects first appear and, when necessary, repeat according to directions and retreatment interval listed.

Make applications as a broadcast spray by ground or air or 4-15 inch band using sufficient spray volume to achieve adequate coverage.

Use linear row calculations that are proportional to the standard Band Width/Row Width formula to adjust rates for different band widths or row spacings. When incorporating into soil, use higher rates of AgSaver Permethrin 3.2EC without exceeding the labeled rate.

This product can be tank-mixed with other products. Observe all restrictions and precautions which appear on all products when using tank mixes. To keep the mixture in solution, provide constant agitation during mixing and applying.

**Foliar Use:**

To treat for stalk borers, apply AgSaver Permethrin 3.2EC when or shortly before stalk borer larvae move

from bordering weeds and grasses into the corn. To initiate movement, mowing or applying a burndown herbicide may be used.

To treat for corn earworm, make applications just before silking and continue as necessary to maintain control.

To provide control for all other listed pests, make applications when insects first appear and, when necessary, repeat according to directions and retreatment interval listed.

**CORN (Field), FIELD CORN GROWN FOR SEED, and POPCORN (AT PLANT USE)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Armyworms Cutworms Seed Corn Maggot Wireworm	0.15	6 or 0.46 fl oz per 1,000 linear feet row (based on a 4-inch band and 40 inch- row spacing)

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

Using a minimum 4-inch band, make applications as in-furrow, band or T-band treatments. To determine the correct rate for row spacings, use table below.

**Maximum seasonal use rate:** Do not apply more than 0.45 lb ai/A/season.

**Retreatment interval:** 7 days.

Row Spacings (Inches)	40	30	20
AgSaver Permethrin 3.2EC (LB AI/A)	0.10	0.15	0.15
AgSaver Permethrin 3.2EC (FL OZ PRODUCT/A)	4.0	6.0	6.0

**CORN (Sweet)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Corn Earworm Corn Rootworm Beetles Cutworms European Corn Borer Fall Armyworm Flea Beetle Hop Vine Borer Leafhoppers Southern Armyworm Stalk Borers	0.1 – 0.2	4 – 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.8 lb ai/A/season.

**Retreatment interval:** 3 to 5 days.

**Preharvest interval:** 1 day.

**CORN (Sweet) (Florida Only)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Aster leafhopper Corn Earworm Cutworm European Corn Borer Fall Armyworm Southern Armyworm	0.1 – 0.2	4 - 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.8 lb ai/A/season.

**Retreatment interval:** 3 to 5 days.

**Preharvest interval:** 1 day.

**CUCURBIT VEGETABLES**

**Chayote (fruit)** (*Sechium edule*); **Chinese waxgourd** (Chinese preserving melon) (*Bernincasa hispida*); **Citron melon** (*Citrullus lanatus* var. *citroides*); **Cucumber** (*Cucumis sativus*); **Gherkin** (*Cucumis anguria*); **Gourd, edible**, includes hyotan, cucuzza (*Lagenaria* spp.); **Luffa spp.**, includes hechima, Chinese okra; **Momordica spp.**, includes balsam apple, balsam pear, bitter melon, Chinese cucumber; **Muskmelon**, hybrids and/or cultivars of *Cucumis melo*, includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon; **Pumpkin** (*Cucurbita* spp.); **Squash, summer**, includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, and zucchini (*Cucurbita pepo* var. *melopepo*); **Squash, winter**, includes butternut squash, calabaza, and hubbard squash (*Cucurbita maxima*; *C. moshata*) and includes acorn squash, spaghetti squash (*C. mixta*; *C. pepo*); **Watermelon**, includes hybrids and/or varieties of *Citrullus* spp.

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Aphids Leafminers Squash Bug	0.2	8
Cabbage Looper Cucumber Beetle (adults) Cutworms Leafhoppers Melonworm Pickleworm Plant Bugs (including Lygus and Stink Bugs) Rindworms Squash Vine Borer	0.1 - 0.2	4 - 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

**Ground applications:** Make applications at a minimum spray volume of 20 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 4 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 1.2 lb ai/A/season.

**Cantaloupe:** Do not apply more than 0.8 lb ai/A/season except in Hawaii where no more than 1.2 lb ai/A/season can be applied.

**Retreatment interval:** 7 days.

**Preharvest interval:** May be applied up to day of harvest.

**EGGPLANTS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Colorado Potato Beetle	0.15	6
Cabbage Looper Flea Beetles Vegetable Leafminer	0.1 – 0.15	4 – 6

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

Use sufficient water during application to obtain consistent coverage.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.6 lb ai/A/season except in Hawaii where no more than 1.0 lb ai/A/season can be applied.

**Retreatment interval:** 7 days.

**Preharvest interval:** 3 days.

**FILBERTS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Filbertworm Oblique Banded Leafroller	See rates immediately below	See rates immediately below

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

Do not graze livestock in treated areas.

Do not feed cover crops from treated areas to livestock.

**Ground applications:**

**Full coverage:** Make applications at 0.05 to 0.1 pound active per 100 gallons (2-4 fl oz product per acre), based on 400 gallons finished spray per acre. Spray to runoff.

**Low volume:** Make applications at 0.2 to 0.4 pound active per acre (8-16 fl oz product per acre), based on 50 to 200 gallons finished spray per acre.

**Air applications:** Make applications at 0.2 to 0.4 pounds active per acre (8-16 fl oz product per acre) at a minimum 10 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.75 lb ai/A/season.

**Retreatment interval:** 10 days.

**Preharvest interval:** 14 days.

**HORSERADISH**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Imported Crucifer Weevil ( <i>Baris lepidii</i> )	Foliar application: 0.15	6
	Spring pre plant dip: 0.1% active solution	2 pints, 1 ounce of AgSaver Permethrin 3.2EC per 100 gallons

**DIRECTIONS & RESTRICTIONS**

Spring Pre-plant Dip: Before planting, soak sets for 30 minutes and air-dry.

Foliar applications: To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below. For control of weevil adults during oviposition, make up to 3 foliar applications as needed.

**Ground applications:** Make foliar applications at a minimum of 20 gallons finished spray per acre using ground equipment only.

**Maximum seasonal use rate:** Do not apply more than 0.45 lb ai/A/season.

**Retreatment interval:** 10 days.

**Preharvest interval:** 30 days.

**LEAFY VEGETABLES (Except Brassica)**

Amaranth (leafy amaranth, Chinese spinach, tampala); Arugula (Roquette); Cardoon; Celery; Chinese celery; Celtuce; Chervil; Chrysanthemum (edible leaved and garland); Corn Salad; Garden Cress; Upland Cress (yellow rocket, winter cress); Dandelion; Dock (sorrel); Endive (escarole); Florence Fennel (finocchio); Head and Leaf Lettuce; Orach; Parsley; Garden Purslane; Winter Purslane; Radicchio (red chicory); Rhubarb; Swiss chard; and Spinach (including New Zealand and vine, Malabar spinach, Indian spinach)

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Aphids Beet Armyworm Corn Earworm Cutworms European Corn Borer Fall Armyworm Green Cloverworm Leafminers Southern Armyworm Tobacco Budworm	0.1 - 0.2	4 - 8
Alfalfa Looper Cabbage Looper Leafhoppers	0.05 - 0.2	2 - 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

Use sufficient water to obtain full coverage of foliage.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.



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**Maximum seasonal use rate:**

Do not apply more than 1.0 lb ai/A/season and in Hawaii do not apply more than 1.2 lb ai/A/season.

**Lettuce:** Do not apply more than 0.8 lb ai/A/season and in Hawaii do not apply more than 1.2 lb ai/A/season.

**Spinach:** Do not apply more than 0.6 lb ai/A/season.

**Retreatment interval:** 7 days; **Spinach:** 3 days.

**Preharvest interval:** 1 day.

**MUSHROOMS (Mushroom Houses and Adjacent Premise Areas)**

PEST	APPLICATION RATE	
	LB AI/30 OZ of Water or Suitable Diluent	FL OZ PRODUCT/30 OZ of Water or Suitable Diluent
Mushroom Flies (Sciarid and Phorid adults)	0.05 - 0.0625	2.0 - 2.5 ounces. Use 1 quart of solution per standard double house (35,000 cu. ft.: 8000 sq. ft.)

**DIRECTIONS & RESTRICTIONS**

Do not use when mushrooms are present. Use of high pressure hand wand prohibited in mushroom houses.

Use this product prior to filling the house, during cool-down, during spawning, up to pinning, and between breaks.

Make applications as fogging or aerosol treatments.

Wear a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

**To prepare building prior to fogging:**

- (1) Close all doors, windows, and ventilators
- (2) Lock or barricade all entrances
- (3) Turn off pilot lights
- (4) Post warning signs, and take precautions to prevent persons and animals from entering the area.

Limit exposure time to 1 hour, then ventilate the house using fans that do not have forced air circulation.

**Retreatment interval:** Treat once daily as needed when flies appear. Do not make more than 20 applications prior to pinning of first break. Apply no more than two applications between each break. Do not apply more than 30 applications total per crop of 5 breaks.

**Preharvest interval:** 3 days.

**ONIONS (Bulb) and GARLIC**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Armyworms Onion Thrips	Onion: 0.15 - 0.3 Garlic: 0.15 - 0.2	Onion: 6 - 12 Garlic: 6 - 8
Cutworms Leafminers Onion Maggots (Adults) Stink Bugs	Onion: 0.1 - 0.3 Garlic: 0.1 - 0.2	Onion: 4 - 12 Garlic: 4 - 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

**Onion Thrips:** Avoid "rescue situations", use the higher label rates when population increases.

**Ground applications:** Make applications at a minimum of 20 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 5 gallons of finished spray per acre.

**Maximum seasonal use rate: Onions:** Do not apply more than 1.0 lb ai/A/season; **Garlic:** Do not apply more than 0.8 lb ai/A/season.

**Retreatment interval: Onions:** 7; **Garlic:** 10 days.

**Preharvest interval:** 1 day.

**ORNAMENTAL NURSERY STOCK, FIELD GROWN (Including Non-Edible Ornamentals and Non-Bearing Plants of Fruiting Species)**

PEST	APPLICATION RATE	
	LB AI/ 100 Gallons Water	FL OZ PRODUCT/ 100 Gallons Water
Bagworm Beet Armyworm Cabbage Looper Citrus Thrips <i>Heliothis spp.</i> Lace Bug Leafhoppers Leafminers Whiteflies	0.1 - 0.2	4 - 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and repeat when necessary throughout the growing season.

Caution: Marginal leaf burn may occur on *Salvia*, *Dieffenbachia* and *Pteris* Fern. Browning of petals may occur when applied to blooming plants. Not all cultivars have been tested for plant safety. As a precaution, prior to a full scale application, treat a few plants of a particular cultivar and observe if any phytotoxicity occurs.

**PAPAYA (Florida Only)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Aphids Brown Soft Scale Mealybug Papaya Fruit Fly Papaya Webworm Papaya Whitefly Scale Crawlers	0.15	6
<b>DIRECTIONS &amp; RESTRICTIONS</b>		
<p>To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.</p> <p>Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock.</p> <p><b>Ground applications:</b> Make applications at a minimum of 25- 400 gallons of finished spray per acre using ground equipment only.</p> <p><b>Maximum seasonal use rate:</b> Do not apply more than 0.75 lb ai/A/season.</p> <p><b>Retreatment interval:</b> 10 days.</p> <p><b>Preharvest interval:</b> 7 days.</p>		

**PEACHES and NECTARINES**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Green Fruitworm Lesser Peach Tree Borer Oriental Fruit Moth Peach Twig Borer Plum Curculio Rose Chafer Tarnished Plant Bug	0.1 – 0.25	4 - 10
<b>DIRECTIONS &amp; RESTRICTIONS</b>		
<p>To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below. When applying, spray to wet all foliage.</p> <p>Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock.</p> <p><b>Ground applications:</b> Make applications at a minimum of 25-400 gallons of finished spray per acre.</p> <p><b>Air applications:</b> Make applications at a minimum of 10 gallons of finished spray per acre.</p> <p><b>Maximum seasonal use rate:</b> Do not apply more than 0.75 lb ai/A/season.</p> <p><b>Retreatment interval:</b> 10 days.</p>		

**Preharvest interval:** 14 days.

**PEARS (Dormant through Delayed Dormant)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Pear Psylla	0.2 - 0.4	8 - 16

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

AgSaver Permethrin 3.2EC can be combined with spray oil at 2 to 8 gallons of spray oil per acre. Only make applications during the dormant through delayed dormant growth periods.

Do not graze livestock in treated areas.  
 Do not feed cover crops from treated areas to livestock.

**Ground applications:** Make applications at a minimum of 25-400 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.65 lb ai/A/season.

**Retreatment interval:** 10 days.

**PEARS (Pre-Bloom)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Codling Moth Green Fruitworm Pear Psylla	0.2 to 0.25	8 - 10

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below. Make applications from dormant through bud burst stages.

Do not graze livestock in treated areas.  
 Do not feed cover crops from treated areas to livestock.

**Ground applications:** Make applications at a minimum of 25-400 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.65 lb ai/A/season.

**Retreatment interval:** 10 days.

**PEPPERS (Bell)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Cabbage Looper Corn Earworm Cutworms Flea Beetle Pepper Weevil Vegetable Leafminer	0.1 - 0.2	4 - 8
European Corn Borer	0.2	8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below. Make applications using sufficient water to obtain uniform coverage.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.8 lb ai/A/season.

**Retreatment interval:** 5 days.

**Preharvest interval:** 3 days.

**PINE SEED ORCHARDS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Coneworms	Ground (low & high volume): 0.2 - 0.4 Air: 0.6	8 - 16
Seed Bugs		24

**DIRECTIONS & RESTRICTIONS**

Webbing Coneworm: Make first application within 1 week of female flower closure or peak pollen flight.  
 Other Coneworms and Seed Bugs: Make first application within 30 days following female flower closure.

Do not graze livestock in treated areas.  
 Do not feed cover crops from treated areas to livestock.

**Ground applications:** Make applications at a minimum of 25-400 gallons of finished spray per acre, depending on the type of sprayer system being used. Make up to three applications per season.

**Air applications:** Make applications at a minimum of 5 gallons of finished spray per acre. Apply once per season.

**Retreatment interval:** Retreat at 4 week intervals but not more than 3 applications per season when applied by ground and no more than once per season when applied by air.

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**PISTACHIOS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Leaf-footed Bugs Navel Orangeworm Peach Twig Borer Plant Bugs Stink Bugs	0.2 - 0.3	8 - 12
Ants	0.3	12

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

To obtain full coverage of foliage, use sufficient water.

Do not apply after 10% hull split.

Do not graze livestock in treated areas.

Do not feed cover crops from treated areas to livestock.

**Ant Control:** To insure maximum coverage of soil surfaces, make applications following mowing of weeds. Overhead moisture following application will enhance activity.

**Ground applications:** Make applications at a minimum 25-400 gallons of finished spray per acre for Leaf-footed Bugs, Navel Orangeworm, Peach Twig Borer, Plant Bugs and Stink Bugs.

**Air applications:** Make applications at a minimum of 10 gallons of finished spray per acre for Leaf-footed Bugs, Navel Orangeworm, Peach Twig Borer, Plant Bugs and Stink Bugs..

**Maximum seasonal use rate:** Do not apply more than 0.9 lb ai/A/season.

**Retreatment interval:** 10 days.

**Preharvest interval:** May be applied up to day of harvest.

**POTATOES**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Aster Leafhopper Beet Armyworm Cabbage Looper Colorado Potato Beetle Cutworms European Corn Borer Potato Aphid Potato Flea Beetle Potato Leafhopper Potato Psyllid Potato Tuberworm Tarnished Plant Bug	0.1 - 0.2	4 - 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.  
 AgSaver Permethrin 3.2EC may also be applied using refined non-volatile vegetable oil for control of listed pests. To give adequate coverage, dilute AgSaver Permethrin 3.2EC with oil and apply in a minimum of one quart oil per gallon of finished spray using calibrated equipment. To obtain full coverage, use sufficient spray volume.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.

**Maximum seasonal use rate:** Do not apply more than 0.8 lb ai/A/season.

**Retreatment interval:** 10 days.

**Preharvest interval:** 14 days.

**RANGE GRASS (New Mexico Only)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Range Caterpillar	0.01	0.4

**DIRECTIONS & RESTRICTIONS**

Do not apply more than once per year.  
 Cattle may be present during application.  
 Do not harvest or feed hay to livestock.

To obtain uniform coverage, apply using sufficient spray volume.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre.

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**ROSES (Field Grown)**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
<i>Heliothis</i> spp	0.1 - 0.2	4 - 8
<b>DIRECTIONS &amp; RESTRICTIONS</b>		
<p>To provide control, make applications when insects first appear and repeat as necessary throughout the growing season.</p> <p><b>Ground applications:</b> Make applications at a minimum of 10 gallons of finished spray per acre.</p> <p><b>Air applications:</b> Make applications at a minimum of 2 gallons of finished spray per acre.</p>		

**ROSES (Greenhouse)**

PEST	APPLICATION RATE	
	LB AI/ 100 GAL. of Water	FL OZ PRODUCT/ 100 GAL. of Water
Beet Armyworm Cabbage Looper Omnivorous Leafroller	0.2	8
<b>DIRECTIONS &amp; RESTRICTIONS</b>		
<p>To provide control, make applications when insects first appear and repeat as necessary throughout the growing season.</p> <p>Not all cultivars have been tested for plant safety. As a precaution, prior to a full scale application, treat a few plants of a particular cultivar and observe if any phytotoxicity occurs.</p>		



**SOYBEANS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Bean Leaf Beetle Cabbage Looper Corn Rootworm Beetles Cutworms Flea Beetle Green Cloverworm Japanese Beetle Mexican Bean Beetle Potato Leafhopper Saltmarsh Caterpillar (Woollybear Caterpillar) Thistle Caterpillar Velvetbean Caterpillar	0.05 - 0.1	2 - 4
Beet Armyworm Corn Earworm Soybean Looper Webworms	0.1 - 0.2	4 - 8

**DIRECTIONS & RESTRICTIONS**

To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.

Do not graze livestock or feed soybean forage or hay to livestock.

For control of listed pests, AgSaver Permethrin 3.2EC may also be applied using refined non-volatile vegetable oil. To provide adequate coverage, dilute AgSaver Permethrin 3.2EC with oil and apply in a minimum of 1 quart of oil per gallon of finished spray using calibrated equipment.

**Ground applications:** Make applications at a minimum of 10 gallons of finished spray per acre.

**Air applications:** Make applications at a minimum of 2 gallons of finished spray per acre. One quart of oil may be substituted for one quart of water per gallon of finished spray.

**Maximum seasonal use rate:** Do not apply more than 0.4 lb ai/A/season.

**Retreatment interval:** 10 days.

**Preharvest interval:** 60 days.

**TOMATOES and TOMATILLOS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Beet Armyworm Cabbage Looper Colorado Potato Beetle Granulate. Cutworm Hornworms Southern Armyworm Tomato Fruitworm Tomato Pinworm Vegetable Leafminers	0.05 - 0.2	2 - 8
<b>DIRECTIONS &amp; RESTRICTIONS</b>		
To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below.  Do not apply to varieties which produce fruit less than one inch in diameter, such as cherry tomatoes.  <b>Ground applications:</b> Make applications at a minimum of 10 gallons finished spray per acre.  <b>Air applications:</b> Make applications at a minimum of 2 gallons of finished spray per acre.  <b>Maximum seasonal use rate:</b> Do not apply more than 0.6 lb ai/A/season except in Hawaii where no more than 0.8 lb ai/A/season can be applied.  <b>Retreatment interval:</b> 7 days.  <b>Preharvest interval:</b> May be applied up to day of harvest.		

**WALNUTS**

PEST	APPLICATION RATE	
	LB AI/A	FL OZ PRODUCT/A
Codling Moth Navel Orangeworm Walnut Husk Fly	0.2 - 0.4	8 - 16
<b>DIRECTIONS &amp; RESTRICTIONS</b>		
To provide control, make applications when insects first appear and, when necessary, repeat according to retreatment interval listed below. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock.  <b>Full Coverage Applications:</b> Make applications of 0.05 to 0.1 lb ai per 100 gallons (based on 400 gallons of finished spray per acre), spraying to run-off. <b>Low Volume Applications:</b> Make applications of 0.2 to 0.4 lb ai/A in 25 to 200 gallons of finished spray per acre.  <b>Air applications:</b> Make air applications of 0.2 to 0.4 lb ai/A in a minimum of 10 gallons of finished spray per acre.  <b>Maximum seasonal use rate:</b> Do not apply more than 0.75 lb ai/A/season.  <b>Retreatment interval:</b> 10 days.		

**Preharvest interval: 1 day.**

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**PREMISES SPRAY** (Dairies, Barns, Feedlots, Stables, Poultry Houses, Swine and Livestock Houses)  
**For Agricultural Use Only.**

PEST	APPLICATION RATE	
	DILUTION	GAL FINISHED SPRAY/SQ FT
House Flies Stable Flies Other Manure Breeding Flies  Aids in the reduction of: Cockroaches Mosquitoes Spiders	4 Oz of Product/12.5 Gal of Water (0.1 Lb AI/12.5 Gal of Water)	1 Gal/750 Sq Ft of surface

**DIRECTIONS & RESTRICTIONS**

Apply as a residual surface treatment only, spraying directly to walls and ceiling.

Use proper manure management and general sanitation in conjunction with the use of any residual fly spray program.

When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from this product.

Do not treat manure or litter. Avoid contamination of feed and water. Do not apply directly to livestock or poultry. Not for use with commercial animal premise automatic misting systems.

**Retreatment interval:** Treat as necessary but no more than once every 2 weeks.

**RATE CONVERSION CHART**

Pounds Active Ingredient/ Acre (AI/A)	Formulation Ounces/ Acre (Oz/A)
0.05	2.0
0.10	4.0
0.15	6.0
0.20	8.0
0.25	10.0
0.30	12.0
0.40	16.0

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY**

Seller warrants that this product conforms with its specifications and is reasonably fit for the purposes stated on the label when used in accordance with its directions under normal conditions of use. To the extent permitted by applicable law, buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty of fitness or merchantability and no agent or reseller is authorized to do so except by Seller in writing with a specific reference to this warranty. To the extent consistent with applicable law, in no event shall Seller's liability for any breach of warranty exceed the purchase price of the material on which claim is made.

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