

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

November 5, 2015

Timothy Formella Senior Product Registration Manager FMC Corporation 1735 Market St. Philadelphia, PA 19103

Subject: Amended Reregistration Label/Label Amendment – Revising Use Directions, crop tables, and making minor formatting changes. Product Name: Pounce WSB Insecticide EPA Registration Number: 279-3083 Application Date: September 3, 2010; May 8, 2015 Decision Numbers: 413710; 504979

Dear Mr. Formella:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. The Agency, has also completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Permethrin RED, and has concluded that your submission is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

NOTE: This product is <u>not</u> yet being reregistered under section 4(g) of FIFRA.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated 09/29/2011
- Alternate CSF 1, dated 09/29/2011

A copy of your label stamped "Accepted" is enclosed. This labeling supersedes all previously accepted labeling. 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. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40

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CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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 section 6. If you have any questions about this letter, please contact Jennifer Gaines at 703-305-5967 or via email at <u>gaines.jennifer@epa.gov</u>.

Sincerely,

Jennifer Urbanski, Ph.D., Product Manager 4 Invertebrate and Vertebrate Branch 1 Registration Division (7505P) Office of Pesticide Programs

Enclosure

# **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.

# **POUNCE WSB**

# Insecticide

EPA REG. NO. 279-3083

EPA Est.

### ACTIVE INGREDIENTS:

*Permethrin**	24.7%
OTHER INGREDIENTS:	75.3%
	100.0%

\*(3-Phenoxyphenyl)methyl (±) cis-trans 3-(2,2-dichloroethenyl)-2,2dimethylcyclopropanecarboxylate

\*\*cis/trans ratio: Max. 55% (  $\pm$  ) cis and Min. 45% (  $\pm$  ) trans

U.S. Patent No. 4,024,163

# KEEP OUT OF REACH OF CHILDREN CAUTION

# **FIRST AID**

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If on Skin or Clothing: 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.

If in Eyes: 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.

**If Inhaled:** 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.

# HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-331-3148 for emergency medical treatment information. For Emergency Assistance Call: (800) 331-3148

See other panels for additional precautionary statements.

Sold By FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia, PA 19103



### PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### Personal Protective Equipment (PPE):

Wear waterproof gloves.

Do not apply this product by ULV cold foggers or fog/mist generators. **All mixers, loaders, applicators, and other handlers must wear:** Long-sleeved shirt and long pants. Shoes plus socks. Waterproof 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 protective eyewear for mixers/loaders and persons exposed to the concentrate.

See engineering controls for additional requirements.

### **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.

### **User Safety Requirements**

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 products concentrate. Do not reuse them.

### **Engineering Controls**

Water-soluble packets when used correctly qualify as a closed mixing/ loading system under the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. Mixers and loaders using watersoluble packets must wear the personal protective equipment required in the PPE section of this labeling for mixers and loaders, and be provided and must have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown chemical-resistant footwear and dust/mist respirators.

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

Net Contents:



Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 270, 2000

279-3083

# **Environmental Hazards**

This pesticide 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 washwaters.

This chemical can contaminate surface water through spray drift. 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 foraging the treatment area.

#### DIRECTIONS FOR USE Restricted Use Pesticide

Restricted Use Pesticide

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.

#### **Insect Resistance Management**

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform 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 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 your area.

# 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.

PROHIBITION - Harvesting of conifer seed cones is prohibited within 30 days of application

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

# STORAGE AND DISPOSAL

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

#### Pesticide Storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool dry place and avoid excess heat. Do not store at temperatures below 32°F (0°C). Rough handling may cause breakage of bags, especially at low temperatures. Allow to warm above 50°F (10°C) before use. Do not allow inner bags to become wet during storage. 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. Call CHEMTREC: (800) 424-9300. 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** 

Non-refillable container: Do not reuse or refill this container. When all water soluble bags are used, the outer package should be clean and may be disposed of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. If outer container contacts formulated product in any way, it must be triple rinsed with clean water. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and close tightly. 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.

# **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 non-uniform 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.

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.

For Pounce WSB mixing instructions, see general instructions. Dilute Pounce WSB in sufficient volume of water to ensure accurate application over the area to be treated. Add the proper amount of water soluble bags to the supply tank. Maintain sufficient agitation during both mixing and application to ensure that the bags dissolve and that there is uniformity of the supply tank suspension. Hydraulic or mechanical agitation is recommended. Agitate Pounce WSB continuously for the duration of the water application. When using chemigation, a minimum of 0.1 inch per acre of irrigation water is recommended.

## **APPLICATION INSTRUCTIONS**

The product contained in this outer package is a wettable powder formulation of the insecticide permethrin packaged in a translucent water soluble bag. Do not allow the inner bag to become wet before adding to spray or nurse tank. Do not handle the inner bag with wet hands or wet gloves. Rough handling may cause breakage, Do not store at temperatures below 32°F (0°C). Allow to warm above 50°F (10°C) before use. Cooler water temperatures increase the time needed for the inner bag to dissolve completely.

Apply Pounce WSB when insects appear or feeding is noticed. Use the higher labeled rate as pest populations increase. Repeat the application as necessary to maintain control. Pounce WSB may be applied by both ground and aerial equipment. 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.

Pounce WSB insecticide is to be diluted with water for spray application. Do not use strainers finer that 50 mesh size. Determine the number of water soluble bag(s) to make up necessary spray suspension.

Use a minimum spray volume of 5 gallons of water per acre. Fill the spray or nurse tank ½ full with water. Open the outer wrapper of this product and immediately dump required contents into spray tank. Allow the water soluble bag(s) to dissolve completely. Start hydraulic or mechanical agitation. Air agitation is not recommended. Mix thoroughly to fully disperse and suspend the wettable powder. Fill the spray tank with the required amount of water. Maintain agitation during storage in nurse or supply tank and during application.

Mix as needed; do not store diluted material.

Calculate the number of bags needed for the recommended rate and number of acres to be treated by using the following formula:

Recommended Rate for Pest (Active/Acre)	х	# Acres to be Treated with Tankload	_	# of Pounce WSB to use
(Active/Acte)		Tankiuau	=	WSD IO USE
0.1 (amount	in ea	ach bag)		

### **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. www.nrcs.usda.gov/Internet/FSE\_DOCUMENTS/nrcs143\_023819.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, permanent 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, permanent 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, permanent streams, marshes, natural ponds, estuaries, and commercial fish ponds).

# **Spray Drift Precautions**

#### 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

Mount the spray boom on the aircraft as to minimize drift caused by wingtip or rotor vortices. Use the minimum practical boom length and do 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.

#### Alfalfa; Alfalfa grown for seed (0 day PHI)\* (Includes lucerne, sainfoin, holy clover, esparcet, birdsfoot trefoil and varieties and/or hybrids of these)

Inconto	Data af	Mathaal af
Insects	Rate of	Method of
Controlled	Application	Application
Alfalfa Caterpillar	0.05 to 0.2	Use higher labeled dosage
Armyworms	pound	for increased pest pressure
Blue Alfalfa Aphid	active per	or for increased residual
Cutworms	acre	pest control. Apply with
Green Cloverworm		ground equipment in a
Green Peach Aphid		minimum of 10 gallons of
Loopers		finished spray per acre or 2
Pea Aphid		gallons of finished spray
Spotted Alfalfa Aphid		per acre by aircraft.
Velvetbean Caterpillar		
Webworms		
Alfalfa Weevil	0.1	
Cucumber Beetle	to 0.2	
Egyptian Alfalfa Weevil	pound	
Meadow Spittlebug	active per	
Plant Bugs (including	acre	
Lygus spp.)		
Potato Leafhopper		
Stink Bugs		
Do not apply more than 0.2 pound active ingredient per outling		

Do not apply more than 0.2 pound active ingredient per cutting. \*When rates greater than 0.1 pound active per acre are used, do not apply within

14 days of harvest.

Do not make applications less than 30 days apart

Do not apply to mixed stands with intentionally-grown forage grasses and/or legumes.

#### Apples

Insects	Rate of	Method of
Controlled	Application	Application
Green Fruitworm	0.1	Use with ground equipment
Oblique Banded	to 0.25	only.
Leafroller	pound	Apply in 25-400 gallons of
Plum Curculio	active per	finished spray per acre
Redbanded Leafroller	acre	when insects appear
Rosy Apple Aphid		
Spotted Tentiform		
Leafminer		
Tarnished Plant Bug		
White Apple Leafhopper		
Do not apply more than 0.5 pound active per acre per season.		
Do not apply after petal fall.		
Do not graze livestock in treated areas.		

Do not make applications less than 10 days apart. Do not feed cover crops from treated areas to livestock.

#### Artichoke (0 day PHI)

Insects	Rate of	Method of
Controlled	Application	Application
Artichoke Plume Moth	0.1 to 0.3	Apply with ground equipment
Leafminers	pound	in a minimum of 10 gallons of
	active per	finished spray per acre or in
	acre.	a minimum of 2 gallons per
		acre by aircraft.
		Buds may be harvested on
		the day of application.
Do not apply more than 3 applications (0.9 pound active ingredient) per acre per		

ore than 3 app season.

Do not make applications less than 10 days apart.

#### Asparagus (1 day PHI)

Insects	Rate of	Method of
Controlled	Application	Application
Asparagus Beetle Cutworms	0.05 to 0.1 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre.
Asparagus Beetle Japanese Beetle (Adult stage)* Lygus Bugs	0.1 pound active per acre	For post harvest application, apply to the fern stage of the asparagus plant after spear harvest when larval and adult

Tarnished Plant Bug		stage are present. *Not for control of this insect in California.	
Do not apply more than 0.4 pound active ingredient per acre per season.			

#### Avocado (7 day PHI)

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Insects	Rate of	Method of	
Controlled	Application	Application	
Avocado Caterpillar	0.2 pound	Apply with ground equipment	
Avocado Lace Bug	active per	in 25-400 gallons of finished	
Avocado Leafhopper	acre	spray per acre. Apply when	
Avocado Leafroller		insects first appear and	
Avocado Looper		repeat at 7 day intervals as	
Avocado Tree Girdler Avocado Whitefly		needed to provide control.	
Brown Soft Scale			
Mirids			
Omnivorous Looper			
Orange Tortrix			
Scale Crawlers			
Spanworm			
Thrips			
Twig Borers			
Do not apply more than 0.8 pound active ingredient per acre per season.			
	Do not make applications less than 7 days apart.		
Do not graze livestock in treated areas.			
Do not feed cover crops from treated areas to livestock.			

#### **Brussels Sprouts (1 day PHI)**

Cabbage Looper     pound     in a minimum of 10 gallons       Diamondback Moth     active per     finished spray per acre or in				
Armyworm spp. 0.05 to 0.1 Apply with ground equipme in a minimum of 10 gallons   Diamondback Moth Imported Cabbageworm Plant Bugs Thrips acre a minimum of 2 gallons per acre by aircraft.	Insects	Rate of	Method of	
Cabbage Looperpoundin a minimum of 10 gallonsDiamondback Mothactive perfinished spray per acre or irImported Cabbagewormacrea minimum of 2 gallons perPlant Bugsacreacre by aircraft.	Controlled	Application	Application	
	Cabbage Looper Diamondback Moth Imported Cabbageworm Plant Bugs	pound active per	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.	

Do not make applications less than 5 days apart.

#### Cauliflower (1 day PHI)

	'/	
Insects	Rate of	Method of
Controlled	Application	Application
Armyworm spp. Cabbage Looper Diamondback Moth Imported Cabbageworm Plant Bugs Thrips	0.05 to 0.1 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.
Do not apply more than 0.4 pound active ingredient per acre per season and 0.6 pounds active ingredient per acre per season in Hawaii.		

#### Broccoli; Chinese Broccoli (gai lon, white flowering broccoli) (1 day PHI)

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Insects	Rate of	Method of
Controlled	Application	Application
Armyworm spp. Cabbage Looper Diamondback Moth Imported Cabbageworm	0.05 to 0.2 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per
Plant Bugs Thrips		acre by aircraft.
Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 5 days apart.		

#### Cabbage; Cabbage, Chinese (napa) (tight-heading varieties only) (1 day PHI)

Insects	Rate of	Method of
Controlled	Application	Application
Cabbage Looper	0.05 to 0.2	Apply with ground
Diamondback Moth	pound	equipment in a minimum
Imported Cabbageworm	active per	of 10 gallons per acre or
Southern White Butterfly	acre	in a minimum of 2

Armyworm spp. Cutworms Flea Beetles	0.1 to 0.2 pound active per acre	gallons per acre by aircraft.
Do not apply more than 0.4 pound active ingredient per acre per season and 0.8 pounds active ingredient per acre per season in Hawaii. Do not make applications less than 5 days apart.		

#### Cherries (Includes Sweet Cherries and Tart Cherries) (3 day PHI)

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	nsects ontrolled	Rate of Application	Method of Application
Borer Plum Cur Redbande Rose Cha	each Tree culio ed Leafroller	0.1 to 0.2 pound active per acre	Use Pounce WSB insecticide as a dilute spray. Apply when insects appear. Apply with ground equipment in 25-400 gallons of finished spray per acre.
Do not m	Do not apply more than 0.6 pound active ingredient per acre preseason. Do not make more than 3 applications per season.		

Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart.

#### Chrvsanthemums

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Insects	Rate of	Method of
Controlled	Application	Application
Liriomyza Leafminer Flies	0.5 pound active per 100 gallons	Avoid spraying the blooms. Pounce WSB may be applied on a weekly schedule. Caution: Cultivars may vary in sensitivity and a small number of plants should be treated to determine plant safety prior top commercial
		use.

#### Collards and Turnips (1 day PHI)

eenarae ana rannpe	(Tudy Till)	
Insects	Rate of	Method of
Controlled	Application	Application
Beet Armyworm	0.05 to 0.15	Apply with ground equipment
Cabbage Looper	pound	only.
Corn Earworm	active per	Apply with ground equipment
Cutworms	acre	in a minimum spray volume
Diamondback Moth		of 10 gallons of finished
European Corn Borer		spray per acre.
Fall Armyworm		
Green Cloverworm		
Imported Cabbageworm		
Leafhoppers		
Leafminer		
Southern Armyworm		
Southern White Butterfly		
Tobacco Budworm		
Vegetable Leafminer		
Aphids*		
For use on Collards in AR,	AZ, GA, IL, NC, OK, SC	c, and TX and on Turnips in

FL, GA, IL, IN, OK, SC, TX, and WA. Do not make applications less than 3 days apart.

Do not apply more than 0.45 pound active ingredient per acre per season. \* Suppression only.

#### **Conifers (Container and Field Grown)**

Insects	Rate of	Method of
Controlled	Application	Application
Nantucket Pine Tip Moth	0.1 to 0.2	Begin application when the
	pound	adults appear and repeat at
	active per	5 to 7 day intervals
	acre	throughout the season.

#### Corn (Field), Field Corn Grown for Seed, Popcorn

Corn (Field), Field Co		
Insects	Rate of	Method of
Controlled	Application	Application
Preemergent Use: Armyworms Cutworms Stalk Borers	0.1 to 0.15 pound active per acre as a broadcast spray OR 0.5 to 0.75 ounces per 1000 linear feet row (based on a 4" band and 40" row spacing.)	Pounce WSB may be applied as a preplant incorporated, preemergence, or at planting time application. Apply as a broadcast spray by ground or air (minimum of 2 gallons finished spray per acre by air) or 4-15 inch band using sufficient spray volume to achieve adequate coverage. Use linear row calculations proportional to the standard Band Width/Row Width formula to adjust rates for different band widths or row spacings. Use higher rates of Pounce WSB when incorporating into the soil without exceeding the labeled dosage. When using tank mixes, observe all restrictions and precautions which appear on the labels of these products. Provide constant agitation during mixing and application to keep the mixture in solution.
Foliar Use: Armyworm (including Fall Armyworm) Corn Borer European Southwestern Corn Earworm Corn Rootworm Beetles Cutworms Flea Beetle Hop Vine Borer Stalk Borers Webworms Foliar Use: Western Bean Cutworm	0.1 to 0.15 pound active per acre 0.05 to 0.1 pound active per acre	When treating for stalk borers, Pounce WSB must be applied when or shortly before the stalk borer larvae are moving into the corn from surrounding weeds and grasses. Mowing or burndown herbicide are suggested to initiate movement. For control of Corn Earworm apply just before silking and continue at intervals of not less than 7 days as needed to provide control. Apply a minimum of 2 gallons of finished spray per acre by air or 10 gallons per acre with ground equipment.
Up to 0.45 pound active in Do not make treatments le harvest of grain or fodder (	ss than 7 days apart or a stover).	apply less than 30 days prior to

Forage may be harvested on the day of application.

#### Corn (Field), Field Corn Grown for Seed, Popcorn (At Plant Use)

Conn (nielu), nielu Con		cu, 1	opooni (At 1 lunt 000)
Insects	Rate of		Method of
Controlled	Application		Application
Armyworms	0.5 ounces		Apply as an in-furrow,
Cutworms	per 1,000		band or T-band treatment
	linear feet		using a minimum 4"
	of row		band. Use table below
			to determine the Pounce
			WSB needs for each
			acre.
Row Spacings (inches)		40	30 20
Pounce WSB (pounds a	ai per acre)	0.10	0.15 0.15

#### Corn, Sweet (1 day PHI)

InsectsRate ofMethod ofControlledApplicationApplicationCorn Earworm0.1 to 0.2Apply when insects firstCorn Rootworm Beetles*poundappear and repeat at 3 to 5Cutwormsactive) perday intervals as needed toEuropean Corn Boreractive) perday intervals as needed toFall ArmywormApply with ground equipmentFlea Beetlein a minimum of 10 gallons ofHop Vine Borerfinished spray per acre or inLeafhoppersacreSouthern Armyworm*Pest does not occur on thisStalk Borers*Pest does not occur on thisDo not apply more than 0.8 pound active ingredient per acre per season.Do not apply more than 3 days apart			
Corn Earworm0.1 to 0.2 poundApply when insects first appear and repeat at 3 to 5 day intervals as needed to provide control.Cutwormsactive) per active) per active) perday intervals as needed to provide control.Fall Armywormactive) per acreApply with ground equipment finished spray per acre or in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.Stalk Borers*Pest does not occur on this crop in California.Do not apply more than 0.8 pound active ingredient per acre per season.	Insects	Rate of	Method of
Corn Rootworm Beetles* Cutwormspound active) per active) per acreappear and repeat at 3 to 5 day intervals as needed to provide control.European Corn Borer Fall Armywormacreprovide control. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.Borer Leafhoppers Stalk Borersacreprovide control. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.Do not apply more than 0.8 pound active ingredient per acre per season.annot apply more than 0.8 pound active ingredient per acre per season.	Controlled	Application	Application
	Corn Rootworm Beetles* Cutworms European Corn Borer Fall Armyworm Flea Beetle Hop Vine Borer Leafhoppers Southern Armyworm	pound active) per	appear and repeat at 3 to 5 day intervals as needed to provide control. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft. *Pest does not occur on this
	Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 3 days apart.		

Cucurbit Vegetables except Muskmelon (hybrids and or cultivars of Cucumis melo) (0 day PHI) includes: 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 (Lagenaria spp.) (includes hyotan, cucuzza); (Luffa spp.) (includes hechima, Chinese okra); (Momordica spp.) (includes balsam apple, balsam pear, bitter melon, Chinese cucumber); Pumpkin (Cucurbita spp.); Squash, summer (Cucurbita pepo var.melopepo) (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); Squash, winter (Cucurbita maxima; C. moshata) (includes butternut squash, calabaza, hubbard squash; (C. mixta; C. pepo) includes acom squash, spaghetti squash); Watermelon

(includes hybrids and/or varieties of Citrullus spp.). Insects Rate of Method of

11100010		Mounda of	
Controlled	Application	Application	
Aphids	0.2 pound	Apply with ground equipment	
Leafminers	active) per	in a minimum spray volume	
Squash Bug	acre	of 20 gallons of finished	
		spray per acre or in a	
Cabbage Looper	0.1 to 0.2	minimum of 4 gallons per	
Cucumber Beetle	pound	acre by aircraft.	
(adults)	active) per		
Cutworms	acre		
Leafhoppers			
Melonworm			
Pickleworm			
Plant Bugs (including			
Lygus and Stink Bugs)			
Rindworms			
Squash Vine Borer			
	Do not apply more than 1.2 pounds active ingredient per acre per season.		
Do not make applications less than 7 days apart.			
Applications may be made up to baryost			

Applications may be made up to harvest.

#### Muskmelon (hybrids and/or cultivars of Cucumis melo) (0 day PHI)

**includes:** 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

Insects	Rate of	Method of
Controlled	Application	Application
Aphids	0.2 pound	Apply with ground equipment
Leafminers	active) per	in a minimum spray volume
Squash Bug	acre	of 20 gallons of finished
		spray per acre or in a
Cabbage Looper	0.1 to 0.2	minimum of 4 gallons per
Cucumber Beetle	pound	acre by aircraft.
(adults)	active) per	
Cutworms	acre	
Leafhoppers		
Melonworm		
Pickleworm		
Plant Bugs (including		
Lygus and Stink Bugs)		
Rindworms		
Squash Vine Borer		
Do not apply more than 0.8 pound active ingredient per acre per season (1.2		

pounds active ingredient per acre per season in Hawaii). Do not make applications less than 7 days apart. Applications may be made up to harvest.

#### Eggplant (3 day PHI)

Eggplant (5 day i m)		
Insects	Rate of	Method of
Controlled	Application	Application
Colorado Potato Beetle	0.15 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or a minimum of 2 gallons by
Cabbage Looper Flea Beetles Vegetable Leafminer	0.1 to 0.15 pound active per acre	aircraft. Apply using sufficient water to obtain uniform coverage.
Do not apply more than 0.6 pound active ingredient per acre per season (1.0 pound active ingredient per acre per season in Hawaii). Do not make applications less than 7 days apart.		

#### Filberts (14 day PHI)

Insects	Rate of	Method of
Controlled	Application	Application
Filbertworm Oblique Banded Leafroller	0.2 to 0.25 pound active per acre	For full coverage application apply 0.05 to 0.1 pound active per 100 gallons (based on 400 gallons finished spray per acre) and spray to run-off, OR for low volume concentrate application apply 0.2 to 0.25 pound active per acre (50 to 200 gallons finished spray per acre). For aerial application apply 0.2 to 0.25 pound active in a minimum of 10 gallons of finished spray per acre. Apply when insects appear.
Do not apply more than 0.75 pound active ingredient per acre per season.		

Do not graze livestock in treated areas.

Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart.

#### Horseradish (30 day PHI)

Insects	Rate of	Method of
Controlled	Application	Application
Imported Crucifer Weevil (Baris lepidii)	0.15 pound active per acre	For foliar application, apply with ground equipment in a minimum spray volume of 20 gallons finished spray per acre. Make up to 3 foliar applications at intervals of not less than 10 days as needed to control weevil adults during ovi-position.
Do not apply more than 0.45 pound active ingredient per acre per season.		
Do not make applications less than10 days apart.		

Leafy Greens Crop Subgroup 4A (except Spinach) (1 day PHI) includes: Amaranth; Arugula; Chervil; Chrysanthemum, edibleleaved and garland; Corn salad; Cress, garden; Cress, upland; Dandelion; Dock; Endive; Lettuce, head and leaf; Orach; Parsley; Purslane, garden; Purslane, winter; Radicchio

Insects	Rate of	Method of
Controlled	Application	Application
Aphids Beet Armyworm Corn Earworm Cutworms European Corn Borer Fall Armyworm Green Cloverworm Leafminers Southern Armyworm	0.1 to 0.2 pound active) per acre	Apply when insects first appear and repeat at 3 to 5 day intervals as needed by air or ground to provide control. Use sufficient water to obtain full coverage of foliage. Apply with ground equipment in a minimum of 10 gallons of

Tobacco Budworm		finished spray per acre or in a minimum of 2 gallons per
Alfalfa Looper Cabbage Looper Leafhoppers	0.05 to 0.2 pound active per acre	acre by aircraft.
Do not apply more than 0.8 pound active ingredient per acre per season (1.2 pounds active ingredient per acre per season in Hawaii). Do not make applications less than 7 days apart.		

#### Leafy Petioles Crop Subgroup 4B (1 day PHI) includes: Cardoon; Celery; Celery, Chinese; Celtuce; Fennel, Florence (sweet anise, sweet fennel, finochio); Rhubarb; Swiss chard

Sweet lenner, infochio), Kilubarb, Swiss charu			
Insects	Rate of	Method of	
Controlled	Application	Application	
Aphids Beet Armyworm Corn Earworm Cutworms European Corn Borer Fall Armyworm Green Cloverworm Leafminers Southern Armyworm Tobacco Budworm	0.1 to 0.2 pound active) per acre	Apply when insects first appear and repeat at 3 to 5 day intervals as needed by air or ground to provide control. Use sufficient water to obtain full coverage of foliage. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per	
Alfalfa Looper 0.05 to 0.2 acre by aircraft.   Cabbage Looper pound   Leafhoppers active per   acre acre			
Do not apply more than 1.0 pound active ingredient per acre per season (1.2 pounds active ingredient per acre per season in Hawaii).			

Do not make applications less than 7 days apart.

# Mushrooms (Mushroom houses and adjacent premise areas) (3 day PHI)

uayriii)		
Insects Controlled	Rate of Application	Method of Application
Mushroom Flies (Sciarid and Phorid adults)	Application Apply 1 bag to 11 gallons water. As a guide, use 1 gallon spray per 750 sq. ft.	Spray directly to walls and ceilings as residual surface treatment only. Spray to point of runoff. Use Pounce WSB prior to filling house, during cooldown, during spawning, up to pinning and between breaks. Do not use when mushrooms are present. Treat 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 applications total per crop of 5 breaks. Use of high pressure hand wand prohibited in mushroom houses.

#### Onions, Bulb (1 day PHI)

Insects	Rate of	Method of
Controlled	Application	Application
Armyworms Onion Thrips	0.15 to 0.3 pound active per acre	Apply with ground equipment in a minimum of 20 gallons of finished spray per acre or in a minimum of 5 gallons per acre by aircraft.
Cutworms Leafminers Onion Maggots (Adults) Stink Bugs	0.1 to 0.3 pound active per acre	Begin applications when pests appear. Use the higher label rates as Onion Thrips population increases and avoid rescue situations.

Do not apply more than 1.0 pound active ingredient per acre per season. Do not make applications less than 7 days apart.

#### Garlic (1 day PHI)

Garric (Tuay Frii)		
Insects	Rate of	Method of
Controlled	Application	Application
Armyworms Onion Thrips	9.6 to 12.8 ounces (0.15 to 0.2 pound active) per acre	Apply with ground equipment in a minimum of 20 gallons of finished spray per acre or in a minimum of 5 gallons per acre by aircraft. Begin applications when pests appear. Use the higher
Cutworms Leafminers Onion Maggots (Adults) Stink Bugs	6.4 to 12.8 ounces (0.1 to 0.2 pound active) per acre	label rates as Onion Thrips population increases and avoid rescue situations.

Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 10 days apart.

#### Ornamental Nursery Stock (Field Grown)

Insects     Rate of Application     Remarks       Bagworm     0.1 to 0.2     Pounce WSB may be used to control specified pests on non-edible ornamentals and			
Bagworm     0.1 to 0.2     Pounce WSB may be used       Beet Armyworm     pound     to control specified pests on       Cabbage Looper     active per     non-edible ornamentals and	Insects	Rate of	Remarks
Beet Armyworm     pound     to control specified pests on       Cabbage Looper     active per     non-edible ornamentals and	Controlled	Application	
Heliothis spp.     of water     species.       Lace Bug     Caution: Pounce WSB has	Beet Armyworm Cabbage Looper Citrus Thrips Heliothis spp. Lace Bug Leafhoppers Leafminers	pound active per 100 gallons	to control specified pests on non-edible ornamentals and non-bearing plants of fruiting species. Caution: Pounce WSB has demonstrated excellent plant safety; however, not all species and varieties have been tested. Before treating large numbers of plants of a particular variety, treat a few plants and observe prior to

#### Papaya (Florida Only) (7 day PHI)

Fapaya (Fioriua Offiy) (7 uay Firi)			
Insects	Rate of	Method of	
Controlled	Application	Application	
Aphids Brown Soft Scale Mealybug Papaya Fruit Fly Papaya Webworm Papaya Whitefly Scale Crawlers	0.15 pound active per acre	Apply with ground equipment in 25-400 gallons of finished spray per acre. Apply when insects first appear and repeat at 10 day intervals as needed to provide control.	
Do not apply more than 0.75 pound active per acre per season. Do not make applications less than 10 days apart. Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock.			

#### Peaches, Nectarines (14 day PHI)

reaches, Neclannes (14 day Fri)			
Insects	Rate of	Method of	
Controlled	Application	Application	
Green Fruitworm	0.1 to 0.25	Apply with ground equipment	
Lesser Peach Tree	pound	using 25-400 gallons of	
Borer	active per	spray per acre or a minimum	
Oriental Fruit Moth	acre	of 10 gallons per acre by	
Peach Twig Borer		aircraft. Spray to wet all	
Plum Curculio		foliage.	
Rose Chafer		-	
Tarnished Plant Bug			
Do not apply more than 0.75 pound active ingredient per acre per season.			
Do not graze livestock in treated areas.			
Do not feed cover crops from treated areas to livestock.			
Do not make applications less than 10 days apart.			

#### Pears (Dormant through Delayed Dormant)

	<u></u>	1
Insects Controlled	Rate of Application	Method of Application
Pear Psylla	0.2 to 0.4 pound active per acre	Apply during the dormant through delayed dormant growth periods only. Apply in a minimum of 10 gallons of finished spray per acre by aircraft and 25-400 gallons per acre by ground equipment.
Do not apply more than 0.65 pound active per acre per season.		

Do not graze livestock in treated areas. Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart.

#### Pears (Pre-Bloom)

InsectsRate of ApplicationMethod of ApplicationCodling Moth0.2 to 0.25 poundApply with ground equipment using 25-400 gallons of finished spray per acre or a minimum of 10 gallons per acre by aircraft. Prebloom sprays can be applied from dormant through bud burst			
Codling Moth Green Fruitworm0.2 to 0.25 poundApply with ground equipment using 25-400 gallons of finished spray per acre or a minimum of 10 gallons per acre by aircraft. Prebloom sprays can be applied from dormant through bud burst	Insects	Rate of	Method of
Green Fruitwormpoundusing 25-400 gallons ofPear Psyllaactive) per acrefinished spray per acre or a minimum of 10 gallons per acre by aircraft. Prebloom sprays can be applied from dormant through bud burst	Controlled	Application	Application
stages.	Green Fruitworm	pound active) per	using 25-400 gallons of finished spray per acre or a minimum of 10 gallons per acre by aircraft. Prebloom sprays can be applied from

Do not apply more than 0.65 pound active ingredient per acre per season.

Do not graze livestock in treated areas.

Do not feed cover crops from treated areas to livestock. Do not make applications less than 10 days apart.

#### Peppers, Bell (3 day PHI)

Insects	Rate of	Method of		
Controlled	Application	Application		
Cabbage Looper	0.1 to 0.2	Apply using sufficient water		
Corn Earworm	pound	to obtain uniform coverage.		
Cutworms	active) per	Apply with ground equipment		
Flea Beetle	acre	using a minimum of 10		
Pepper Weevil		gallons of finished spray per		
Vegetable Leafminer		acre or a minimum of 2		
		gallons per acre by aircraft.		
European Corn Borer	0.2 pound			
	active) per			
	acre			
Do not apply more than 0.8 pound active ingredient per acre per season.				
Do not make applications less than 5 days apart.				

#### **Pine Seed Orchards**

Insects Controlled	Rate of Application	
Coneworms Seed Bugs	Ground (low and high volume applications): Apply 0.2 to 0.4 lb ai/acre using a final carrier solution of 25 to 400 gallons/acre depending on the type of sprayer system being used. Make up to 3 applications per season.	
	Air: Apply 0.6 lb ai/acre. Apply in a minimum of 5 gallons of finished spray per acre.	
	Do not make more than 1 application per season.	
To control Webbing Coneworm—make first application within 1 week of female flower closure or peak pollen flight.		

To control 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.

Harvesting of conifer seed cones is prohibited within 30 days of application.

#### Pistachios (0 day PHI)

Insects	Rate of	Method of
Controlled	Application	Application
Leaffooted Bugs Navel Orangeworm Peach Twig Borer Plant Bugs Stink Bugs	0.2 to 0.3 pound active per acre	Use sufficient water to obtain full coverage of foliage. Apply Pounce WSB in a minimum of 10 gallons of finished spray per acre by aircraft or by ground equipment in 25-400 gallons of finished spray per acre.
Ants	0.3 pound active Per acre	Application should follow mowing of weed growth to insure maximum coverage of the soil surface. Overhead moisture following application will enhance activity.
Do not apply more than 0.9 pound active per acre per crop season.		

Do not apply after 10% hull split.

Do not graze livestock in treated areas.

Do not feed cover crops from treated areas to livestock.

Do not make applications less than 10 days apart.

#### Potatoes (14 day PHI)

1 otatooo (11 aay 1 m)					
Insects	Rate of	Method of			
Controlled	Application	Application			
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 to 0.2 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft. Use sufficient spray volume to obtain full coverage.			
Do not apply more than 0.8 pound active ingredient per acre per season. Do not make applications less than 10 days apart.					

#### Range Grass (New Mexico Only)

Insects	Rate of	Method of	
Controlled	Application	Application	
Range Caterpillar	0.01 pound active per acre	Apply using sufficient spray volume to obtain uniform coverage. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.	
Do not apply more than once per year. Cattle may be present during application. Do not harvest or feed hay to livestock			

#### Roses (Field Grown)

Insects	Rate of	Method of
Controlled	Application	Application
Heliothis spp.	0.1 to 0.2 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons of finished spray per acre by aircraft

#### Roses (Greenhouse)

Insects	Rate of	Remarks	
Controlled	Application		
Beet Armyworm Cabbage Looper Omnivorous Leafroller	0.2 pound active per 100 gallons of water	Caution: Varieties may vary in their sensitivity to Pounce WSB and a small number of plants should be treated under local conditions to determine	
		plant safety prior to	

commercial use.		commercial use.			
Soybeans (60 day PHI)					
Insects	Rate of	Method of			
Controlled	Application	Application			
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 to 0.1 pound active per acre	Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per acre by aircraft.			
Beet Armyworm Corn Earworm Soybean Looper Webworms	0.1 to 0.2 pound active per acre				
Do not apply more than 0.4 pound active ingredient per acre per season.					

Do not graze or feed soybean forage or hay. Do not make applications less than 10 days apart.

# Spinach (1 day PHI) includes: New Zealand spinach and vine spinach

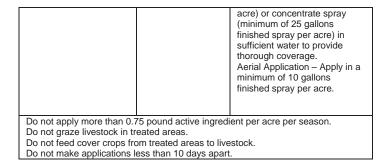
Insects	Rate of	Method of			
Controlled	Application	Application			
Aphids Beet Armyworm Corn Earworm Cutworms European Corn Borer Fall Armyworm Green Cloverworm Leafminers Southern Armyworm Tobacco Budworm	0.1 to 0.2 pound active per acre	Apply when insects first appear and repeat at 3 to 5 day intervals as need by air or ground to provide control. Use sufficient water to obtain full coverage of foliage. Apply with ground equipment in a minimum of 10 gallons of finished spray per acre or in a minimum of 2 gallons per			
Alfalfa Looper	0.05 to 0.2	acre by aircraft.			
Cabbage Looper	pound				
Leafhoppers	active per				
	acre				
Do not apply more than 0.6 pound active ingredient per acre per season. Do not make applications less than 3 days apart.					

Tomatoes Tomatillos (0 day PHI)

Tomatoes, Tomatillos (0 day PHI)				
Insects	Rate of	Method of		
Controlled	Application	Application		
Beet Armyworm Cabbage Looper Colorado Potato Beetle Granulate Cutworm	0.05 to 0.2 pound active per acre	Apply with ground equipment in a minimum of 10 gallons finished spray per acre or in a minimum of 2 gallons per acre		
Hornworms Southern Armyworm Tomato Fruitworm Tomato Pinworm Vegetable Leafminers		by aircraft.		
Do not apply more than 0.6 pound active ingredient per acre per season (0.8 pound active ingredient per acre per season in Hawaii). Do not apply to cherry tomatoes or other varieties which produce fruit less than one inch in diameter. Do not make applications less than 7 days apart				

#### Walnuts (1 day PHI)

Insects	Rate of	Method of
Controlled	Application	Application
Codling Moth Navel Orangeworm Walnut Husk Fly	0.2 to 0.25 pound active per acre	Apply when insect pests first appear. Ground Application – Apply as a dilute spray (minimum of 100 gallons finished spray per



#### **Premises Spray**

#### For agricultural use only.

Spray directly to walls and ceiling as residual surface treatment only. Use Restrictions

Do not treat manure or litter. Do not contaminate feed and water. Do not apply directly to livestock or poultry. Do not enter or allow others to enter until sprays have dried. Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

For	Target	Method	Dilute	Application	
Application	Insects	of		Rate	
in		Application			
Dairies, Barns, Feedlots, Stables, Poultry Houses, Swine and Livestock Houses	House Flies, Stable Flies and other Manure Breeding Flies. Also aids in the reduction of Cock- roaches, Mosquitoes and Spiders.	Sprayer	1 bag to 11 gallons water	1 gallon per 750 square feet of surface	
-		<b>6 1</b>			
	essary, but not m				
The use of any residual fly spray should be supplemental with proper manure management and general sanitation to reduce or eliminate fly breeding sites.					
management and general samation to reduce of eliminate hy breeding sites.					

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