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Phaser® 50WSB INSECTICIDE

FOR USE IN CALIFORNIA

For Agricultural or Commercial use Only

Not for use or storage in or around residential sites - see Directions For Use / General Instructions for prohibited areas.

EPA Reg No. 264-659

EPA Est. No.



KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO POISON



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.)

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

FIRST AID

IF SWALLOWED:	Immediately call a poison control center or doctor for treatment advice,
	Do not induce vomiting unless told to do so by a poison control center or doctor.
	Have person sip a glass of water if able to swallow.
	Do not give anything by mouth to an unconscious person.
IF INHALED:	Move person to fresh air.
	If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to- mouth if possible.
	Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR	Take off contaminated clothing.
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.
	Call a poison control center or doctor for treatment advice.

For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NOTE TO PHYSICIAN: Endosulfan is a central nervous system stimulant absorbable by mouth, inhalation or through contact with skin. It may cause convulsions. There is no specific antidote. Diazepam I.V. is the drug of choice. Barbituric acid derivatives such as phenobarbital may be used additionally. A neuromuscular blocking agent may be used if convulsions persist. This type of drug may be used **only** if complete control of respiration can be maintained. Epinephrine derivatives are absolutely contraindicated.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) DANGER

Fatal if swallowed or inhaled. Harmful if absorbed through skin. Causes moderate eye irritation. Do not breath dust or spray mist. Avoid contact with skin, eyes, or clothing. Do not contaminate food or feed. Keep out of reach of domestic animals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and Other Handlers Must Wear:

- · Coveralls over short-sleeved shirt and short pants.
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)
- Add a chemical-resistant apron when cleaning equipment, mixing or loading

ENGINEERING CONTROL STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.240 (d) (4–6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Due to the risk of runoff and drift, do not apply within a distance of 300 feet of lakes, ponds, streams, and estuaries. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on this label. This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not store in or around the home or store near heat, open flame, or hot surfaces.

Keep out of reach of children and animals. Store in original containers only. Store in cool, dry place and avoid excess heat. Carefully open containers. After partial use, fold and roll back bags, clamp, and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill: Avoid contact, isolate the area, and keep out animals and unprotected persons.

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 acutely hazardous. Improper disposal of excess pesticides, 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 at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: When all water soluble bags have been used, the empty outer bag should be disposed of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

THIS PRODUCT IS INTENDED FOR USE IN CALIFORNIA. 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.

Do not apply this product through any type of irrigation system.

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 intervals. 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 24 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 over short- sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure

DIRECTIONS FOR USE OF WATER SOLUBLE BAGS

PHASER® 50WSB Insecticide is a wettable powder formulation individually packaged in 1-pound units in a translucent bag contained in an outer package.

DO NOT OPEN WATER SOLUBLE BAGS.

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.

RESEAL OUTER BAG TO PROTECT REMAINING INNER BAG(S).

Fill the spray tank with one-half of the total amount of water to be used. Open the outer wrapper of each product container to be used. Immediately dump the required number of bags into the spray tank.

Determine the total amount of PHASER® 50WSB Insecticide to be added to the spray tank, based on the rates in the crop recommendations. For each pound of wettable powder to be added to the spray tank, use one 1-pound bag. For example, if it is determined that 10 pounds of PHASER® 50WSB Insecticide should be added to the spray tank, add ten 1-pound bags. Where rates are expressed as fractions of pounds, prepare the tank load to the *lower* of the nearest whole pound.

Operate the agitator while mixing. Cooler water temperatures increase the time needed to completely dissolve the bags. Mix thoroughly to fully disperse and suspend the wettable powder. Maintain agitation during storage in nurse or supply tank, and during application.

PHASER® 50WSB Insecticide is compatible with most commonly used pesticides and liquid fertilizers. However, the water-soluble bags must be completely dissolved before adding any other products. Do not use PHASER® 50WSB Insecticide in a tank mix with products containing boron, chromium, or other micronutrients.

GENERAL INSTRUCTIONS

Not for use or storage in or around residential sites, including homes, non-agricultural outbuildings, non-commercail greenhouses, recreational vehicles, preschools, day care centers, and not for applications to humans and pets.

Apply the listed amount per acre when insects first appear and repeat as required, unless otherwise noted, to maintain effective control. Use in sufficient water for thorough coverage of listed crops, unless otherwise noted. Coverage of upper and lower leaf surfaces is essential for ground control. For ground application, apply recommended amount of pesticide in a minimum of 10 gallons of water per acre on vegetable or row crops, unless otherwise noted. Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides.

When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon of finished spray per acre on vegetable and field crops, unless otherwise noted, and a minimum of 20 gallons of finished spray per acre and on vines. When applying 4 pounds or more of 50% PHASER® 50WSB Insecticide, mix in a minimum of 10 gallons of water.

Do not plant root crops other than carrots, potatoes, sweet potatoes, and sugar beets as follow-up crops.

PROCEDURES FOR REDUCING RISK OF CONTAMINATION OF AQUATIC ECOSYSTEMS FOR CROP USES LISTED ON THE PRODUCT LABEL

Endosulfan may be a source of contamination in aquatic ecosystems as a result of runoff from agricultural land due to discharge of irrigation water or during periods of heavy rainfall.

To minimize the chance of aquatic impact, the following conditions must be met to allow endosulfan applications:

DIRECTIONS FOR USE (GENERAL)

IN ADDITION TO SPECIFIC INSTRUCTIONS UNDER DIRECTIONS FOR USE ON THE PRINCIPAL LABELS, THE FOLLOWING CONDITIONS MUST ALSO BE FOLLOWED FOR USE IN CALIFORNIA:

- 1. Do not apply this product to fields during irrigation or irrigate for 72 hours following an application.
- 2. Do not apply this product through any type of irrigation system.
- 3. Do not apply more than 1.5 lbs. a.i./acre/application or more than 3.0 lbs. a.i./acre/season. (Orchard crops and strawberries exempted on rate/acre/application restriction).
- 4. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.
- 5. Do not apply by ground or air within a distance of 300 feet to natural bodies or water including lakes, punds, streams, and estuaries.

FOR DRIFT CONTROL

- 1. All application equipment should be properly maintained and calibrated using appropriate carriers.
- 2. Do not make aerial or ground applications during temperature inversions.
- Make aerial or ground applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not
 apply when wind velocity exceeds 10 mph. Do not discharge at a height of more than 10 feet above the crop or target.
- 4. For aerial applications a positive shutoff system shall be in place to control flow of liquid to spray nozzles as follows: each individual nozzle shall be equipped with a check valve and the flow controlled by a suckback device or a boom pressure release device; or each nozzle shall be equipped with a positive action valve.
- 5. For aerial applications, the spray boom must be mounted on the aircraft so as to minimize drift caused by wing tip or rotor vortices. The working boom length must not exceed 75 percent of wing span or rotor diameter.
- 6. Aircraft boom pressure shall not exceed 40 pounds per square inch.
- 7. Aircraft nozzles shall be equipped with orifices directed backward parallel to the horizontal axis of the aircraft in flight.
- 8. Aircraft nozzles shall not be equipped with any device or mechanism which would cause a sheet, cone, fan, or similar type dispersion of the discharged material except as otherwise provided.
- 9. Fixed wing aircraft and helicopters operating in excess of 60 mph shall be equipped with jet nozzles having an orifice not less than 1/16 inch in diameter (D-4 or larger).
- 10. Helicopters operating at 60 mph or less shall be equipped with nozzles having an orifice not less than 1/16 inch in diameter. A number 46 or equivalent whirlplate may be used.
- 11. For ground applications, equipment other than handguns shall be equipped with nozzles having an orifice not less than 1/16 inch in diameter or larger. Boom nozzles shall be operated at a boom pressure not to exceed 30 pounds per square inch.

ACCEPTABLE SITES FOR ENDOSULFAN APPLICATION

- FIELDS, WITH NO DRAINS, HAVING CONTAINMENT THROUGH BERMS (able to hold irrigation water and normal rainwater), LEVEES AND NON-DRAINING CIRCULATION SYSTEMS.
- 2. FIELDS WITH DRAINS, BUT DRAINAGE FLOWS TO SUMP, FARM POND, EVAPORATION POND OR RECIRCULATION SYSTEM WITHOUT DRAINAGE (uncontrollable overflow acceptable, e.g., 10 or 100 year flood). Only grower maintained recirculation systems without drainage are acceptable.
- 3. FIELDS WITH SURFACE DRAINS THAT NATURALLY FLOW ONTO PASTURELAND OR FALLOW FIELDS THAT HAVE NO CHANNELED DRAINAGE AND ARE AT LEAST 300 FEET LONG.

UNACCEPTABLE SITES FOR ENDOSULFAN APPLICATION

- 1. FIELDS DRAINING DIRECTLY INTO SURFACE WATERS SUCH AS STREAMS, RIVERS, LAKES, PONDS, MARSHES, BAYS, ESTUARIES, OR THE OCEAN.
- 2. FIELDS DRAINING INTO SURFACE DRAINAGE DITCHES OR CANALS THAT FLOW DIRECTLY INTO SURFACE WATERS SUCH AS STREAMS, RIVERS, LAKES, PONDS, MARSHES, BAYS, ESTUARIES, OR THE OCEAN.
- 3. ANY AND ALL FIELDS WITH SURFACE DRAINAGE PATTERNS IN THE MOSS LANDING DRAINAGE SYSTEM HAVING MAIN ARTERIES THAT DRAIN INTO ELKHORN SLOUGH (northern portion of Monterey County).
- 4. ANY AND ALL FIELDS WITH DRAINAGE PATTERNS IN THE SAN DIEGO CREEK DRAINAGE SYSTEM HAVING MAIN ARTERIES THAT DRAIN INTO NEWPORT BAY.

OBSERVE DAYS INTERVAL BETWEEN LAST APPLICATION AND HARVEST INDICATED BY NUMBER IN () FOLLOWING THE CROP NAME.

APPLES (30)

Insects Controlled	Rate of Application	Methoa of Application
Aphids (including Apple Aphid, Rosey Apple Aphid, Woolly Apple Aphid) Apple Rust Mite White Apple Leafhopper (first generation)	1 lb, per 100 gals, or a maximum of 5 lbs, per acre	For best control of first generation white apple leafhopper, apply when nymphs first appear on leaves. If necessary, prior to petal fall, usc 1 1/2 lbs. per 100 gals, to control apply aphids and rosy apple aphids.

Do not feed pomace from treated apples to livestock.

Do not feed cull fruits to animals or allow livestock to graze in treated orchards.

Do not make more than 2 applications during the fruiting period.

Do not make more than 3 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

APRICOTS (30), NECTARINES (30), PEACHES (30)

Insects Controlled	Rate of Application	Method of Application
Aphids (including black cherry aphid, black peach aphid, green peach aphid, rusty plum aphid)	1 lb. per 100 gallons or 4 to 5 lbs. per acre	Make applications when insects appear or feeding is noticed.
Catfacing insects (Stink bug type)		
Peach silver mite		
Peach twig borer		

Do not feed cull fruits to animals or allow livestock to graze in treated orchards.

Do not make more than 2 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

BEANS, Succulent and Dry (except Lima Beans) (3) and

SOUTHERN FIELD PEAS (Succulent type, including Black-eyed Peas, Crowder Peas and Southern Peas (3)

Insects Controlled	Rate of Application	Method of Application
Black bean aphid	1 to 2 lbs. per acre	Make applications when insects appear or feeding is
Bean leaf skeletonizer		noticed.
Cucumber beetle		
Flea beetle		
Green stink bug		
Mexican bean beetle		
Aphids	2 lbs. per acre	
Western Bean Cutworm	ļ	
Whitefly		

Do not feed treated threshings or allow livestock to graze in treated fields.

Do not use on lima beans that are to be removed from the field for processing.

Do not make more than 3 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

BROCCOLI (7), BRUSSELS SPROUTS (14), CABBAGE (7), CAULIFLOWER (14)

Insects Controlled	Rate of Application	Method of Application
Cabbage Aphid	1 1/2 to 2 lbs, per acre	Make applications when insects appear or feeding is
Cabbage Looper		noticed.
Cross-striped Cabbageworm		
Diamondback Moth (larvae)		• • • • •
Flea Beetle	1	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Harlequin Bug		
Imported Cabbageworm	1	
Leafhopper		
Stink Bug		
Armyworm	2 lbs. per acre	
Cutworm		
Whitefly		
Do not make more than 2 applications pe	r year.	
Do not exceed a maximum of 2 lbs. active	e ingredient (4 lbs. 50WSB) per acre	e per year.

CARROTS (7)

Insects Controlled	Rate of Application	Method of Application
Green Peach Aphid	1 to 2 lbs. per acre	Make applications when insects appear or feeding is noticed.
Flea beetle	2 lbs. per acre	
Whitefly		

Do not use tops for food or feed.

Do not make more than 1 application per year.

Do not exceed a maximum of 1 lb. active ingredient (2 lbs. 50WSB) per acre per year.

CELERY (4)

Insects Controlled	Rate of Application	Method of Application
Green Peach Aphid	1 to 2 lbs. per acre	Make applications when insects appear or teaching
Cabbage Looper		noticed.
Flea Beetle	2 lbs. per acre	
Whitefly		

Do not make more than 1 application per year.

Do not exceed a maximum of 1 lb. active ingredient (2 lbs. 50WSB) per acre per year.

CELERY (7)

CELERT (/)		
Insects Controlled	Rate of Application	Method of Application
Green Peach Aphid	1 lb. per acre	Make applications when insects appear or feeding is noticed.
Do not make more than 2 applications pe	r year.	
Do not exceed a maximum of 1 lb, active	ingredient (2 lbs. 50WSB) per acre	per vear

CHERRIES (21)

Insects Controlled	Rate of Application	Method of Application
Black cherry aphid	1 lb. per 100 gals. or 4 to 5 lbs.	Make applications when insects appear or feeding is
Green fruitworm	per acre	noticed.
Plum rust (nursery) mite		
Pacific Northwest only:	1 lb. per 100 gals, or 4 to 5 lbs.	For Bud Moth control, apply at "popcorn" stage. For
Eyespotted Bud Moth	per acre	Leafroller control, apply during pro-pink stage o
Fruittree Leafroller		growth.

Do not feed cull fruits to animals or allow livestock to graze in treated orchards.

Do not make more than 2 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

CHERRY, PEACH, PLUM NURSERY STOCK DIP

Insects Controlled	Rate of Application	Method of Application
Peachtree Borer	4 lbs. per 40 gals	Mix thoroughly. Immerse trees so that the roots and crowns are covered well above the grafting bud scar.
Plant immediately or dry before returning	stock to storage.	
Full Personal Protective Equipment (PPE	requirements for applicators also	apply to this dipping operation.

CITRUS (Non-Bearing Trees and Nursery Stock)

Insects Controlled	Rate of Application	Method of Application
Citrus Aphid	1 lb. per 100 gals. or a maximum of 5 lbs. per acre	Make applications when insects appear or feeding is noticed.
Do not apply to bearing trees or trees th	at will bear fruit within 12 months.	
Do not make more than 2 applications p	er year.	

COLLARDS (21)

Insects Controlled	Rate of Application	Method of Application
Aphids	1 1/2 lbs. per acre	Make applications when insects appear or feeding is
Cabbage Looper		noticed.
Diamondback Moth (larvae)		
Flea Beetle		
Harlequin Bug		
Imported Cabbageworm		
Leafhopper		
Whitefly		

Do not make more than 1 application per year.

Do not exceed a maximum of 3/4 lb. active ingredient (1 1/2 lbs. 50WSB) per acre per year.

CUCUMBERS (2), MELONS (2), SUMMER AND WINTER SQUASH (2)

insects Controlled	Rate of Application	Method of Application
Aphids	1 to 2 lbs. per acre	Make applications when insects appear or feeding is
Cucumber Beetle		noticed. For Squash Vine Borer courtol, apply weekly to flower buds, stems, and vines beginning when
Melonworm		moths first appear.
Pickleworm		
Rindworm (on watermelons)		
Squash Beetle		
Squash Bug		
Squash Vine Borer		
Striped Flea Beetle		
Cabbage Looper	2 lbs. per acre	
Omniverous leafroller		
Whitefly		

Do not make more than 3 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

EGGPLANT (1)

insects Controlled	Rate of Application	Method of Application
Blister Beetle	1 lb. per acre	Make applications when insects appear or feeding is
Colorado Potato Beetle		noticed.
Flea Beetle		
Green Peach Aphid		
Green Stink Bug		
Whitefly		

Do not make more than 1 application per year.

Do not exceed a maximum of 0.5 lb. active ingredient (1lb. 50WSB) per acre per year.

FILBERTS (1)

Do

Insects Controlled	Rate of Application	Method of Application
Filbert aphid	1 lb. per 100 gals, or 3 to 4 lbs.	Make applications when insects appear or feeding is
Filbert leafroller	per acre	noticed.

Do not graze livestock on orchard crops or grasses in treated areas.

Do not exceed 2 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

GRAPES (7)

<u> </u>		
Insects Controlled	Rate of Application	Method of Application
Grape Leafhopper	1 lb. per 100 gals. or 2 to 3 lbs.	Make applications when insects appear or feeding is
Grape Phylloxera (leaf form)	per acre	noticed.
Rose Chafer		

Do not use on Baco No. 1, Baco Noir, Concord, Seibel 7053 (Chancellor), Seibel 8357 (Colobel), Seibel 13053 (Cascade) varieties of grapes as severe plant injury is likely to occur.

Do not make more than 3 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

Or

KALE (21)

Insects Controlled	Rate of Application	Method of Application
Cabbage Flea Beetle	1 1/2 lbs. per acre	Make applications when insects appear or feeding is
Harlequin Bug		noticed.
Imported Cabbageworm		
Do not make more than 1 application per y	rear.	*** **
Do not exceed a maximum of 3/4 lb. active ingredient (1 1/2 lbs. 50WSB) per acre per year.		1. 1.1.1

LETTUCE (14)

Insects Controlled	Rate of Application	Method of Application
Cabbage Looper	1 1/2 to 2 lbs. per acre	Make applications when insects appear or feeding is
Diamondback Moth (larvae)		noticed.
Green Peach Aphid		
Imported Cabbageworm		
Whitefly	2 lbs. per acre	<u> </u>

On Head Lettuce: Do not make more than 3 applications after thinning. Remove wrapper leaves at harvest.

On Leaf Lettuce: Do not make more than 2 applications per year.

Do not feed crop refuse to livestock.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year

MUSTARD GREENS (21)

per acre Make applications when insects appear or fee noticed.
noticed.
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Do not exceed a maximum of 3/4 lb. active ingredient (1 1/2 lbs. 50WSB) per acre per year

PEARS (7)

Insects Controlled	Rate of Application	Method of Application
Pear psylla	5 lbs. per acre	Apply in a minimum of 10 gals, of water for aerial applications, in 40 gals, of water for semi-concentrate, or in 300 gals, of water for dilute applications. Apply when adults are first observed or nymphs are small and repeat to maintain control.
Pear rust mite Consperse stink bug (foliar treatment)	1 lb. per 100 gals. or 4 to 5 lbs. per acre	Make applications when insects appear or feeding is noticed. Stink bugs must be wet by spray to obtain control.
Consperse stink bug (soil treatment)	1 lb. per 100 gals; 200 to 400 gals, per acre	Apply to orchard floor and around trees prior to bloom.
Pear Leaf Blister Mite	1/2 to 1 lb. per 100 gals.	Apply to trees as a post-harvest or dormant treatment.

Do not feed cull fruits to animals or allow livestock to graze in treated orchards.

Do not make more than 2 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

NOTE: Aerial application may not result in satisfactory control and should only be employed if impossible to apply by ground.

PECANS

Insects Controlled	Rate of Application	Method of Application
Black Pecan Aphid Pecan Nut Casebearer Spittlebug	1 1/2 lbs. per 100 gals.	Make applications when insects appear or feeding is noticed. For Casebearer, apply when eggs of first generation appear on the tips of the young nuts. Another application may be required after the second generation of eggs is deposited. For Spittlebug, apply when first leaves are half grown and repeat as required.

Do not apply after shuck split.

Do not graze livestock on orchard crops or grasses in treated areas.

Do not make more than 2 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

PEPPERS (1)

Insects Controlled	Rate of Application	Method of Application
Flea Beetle	1 lb. per acre	Make applications when insects appear or feeding is
Green Peach Aphid		noticed.
Hornworm		
Pepper Maggot		

Do not exceed a maximum of 1 lb. active ingredient (2 lbs. 50WSB) per acre per year.

PEPPERS (4)

	Method of Application
1 to 2 lbs. per acre	Make applications when insects appear or leading is
	noticed.
2 lbs. per acre	
	,

Do not exceed a maximum of 2 lbs. active ingredient (4 lbs. 50WSB) per acre per year.

PLUMS (7), PRUNES (7)

Insects Controlled	Rate of Application	Method of Application
Fruittree Leafroller (Pacific Northwest Only)	1 lb. per 100 gals, or 4 to 5 lbs. per acre	Apply during pre-pink stage of growth when insects appear or feeding is noticed.
Aphids (including Hop Aphid, Leafcurl Aphid, Thistle Aphid) Plum Rust (Nursery) Mite	1 lb. per 100 gals, or 4 to 5 lbs. per acre	For control of Aphids, apply when eggs hatch during pre-bloom or petal fall. Summer applications should be made before leaves curl.
Peach Twig Borer	1 1/2 lbs. per 100 gals. or 4 to 5 lbs. per acre	Make applications when insects appear or feeding is noticed.
Lesser Peachtree Borer Peachtree Borer	1 to 1 1/2 lbs. per 100 gallons or 4 to 5 lbs. per acre	Best control is obtained with a single application cost- harvest after the leaves have dropped. Spray all bark area from ground level to lower scaffold limbs.

Do not allow livestock to graze on orchard crops or grasses in treated areas.

Do not make more than 2 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

POTATOES (1)

Insects Controlled	Rate of Application	Method of Application
Aphids	1 to 2 lbs. per acre	Make applications when insects appear or feeding is
Armyworms		noticed.
Colorado potato beetle		
Green stink bug		
Leffootted bug		
Plant Bug		
Potato Flea Beetle	}	
Potato Leafhopper		
Potato Tuberworm		
Threelined Potato Beetle		
False Chinch Bug	2 lbs. per acre	
Whitefly		
European Corn Borer	1 1/2 to 2 lbs. per acre	
Potato Psyllid		

Do not make more than 6 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

SPINACH (21)

Insects Controlled	Rate of Application	Method of Application
Crown Mite	· · · · · · · · · · · · · · · · · · ·	Make applications when insects appear or feeding is noticed.
Flea Beetle		
Green Peach Aphid		
Whitefly		
Do not make more than 1 application per	year.	
Do not exceed a maximum of 0.75 lbs. ac	tive ingredient (1 1/2 lbs. 50WSB)	per acre per year.

STRAWBERRIES (4)

Insects Controlled	Rate of Application	Method of Application
Meadow Spittlebug	2 lbs. per acre	Make applications when insects appear or feeding is
Strawberry Aphid		noticed. Do not reapply within 15 days or more that twice during a 35-day period when fruit is present.
Tarnished Plant Bug		
Whitefly		
Cyclamen Mite	4 lbs. per acre in 400 gallons of water	Make applications when insects appear or feeding is noticed. Thoroughly wet the foliage, stem and crown of the plant. For multiple applications, do not apply at intervals less than 35 days when fruit is present.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

STRAWBERRIES - Northwest Use Only

Insects Controlled	Rate of Application	Method of Application
Garden Symphylan (aids in reducing damage)	2 lbs. per 100 gallons	Mix thoroughly. Dip entire plant. When immersing bundles of plants, make certain any trapped air is forced out to assure thorough wetting of the entire plant.
Drain and allow plants to dry before setting the	n out in the field.	
Full Personal Protective Equipment (PPE) requ	irements for applicators also	apply to this dipping operation.

SWEET POTATOES (1)

Insects Controlled	Rate of Application	Method of Application
Sweet Potato Flea Beetle Sweet Potato Weevil	1 lb. per acre	Make applications when insects appear of feeding is noticed. For Flea Beetle control, begin applications shortly after transplanting or as soon as flea beetles appear. For Sweet Potato Weevil control, apply in sufficient water for complete coverage. Applications may be made to transplants in the nursery and/or in the field. Repeat applications may be made as necessary.

Do not feed cull potatoes to livestock or allow livestock to graze in treated fields.

Do not make more than 3 applications per year.

Do not exceed a maximum of 1 1/2 lbs. active ingredient (3 lbs. 50WSB) per acre per year.

TOMATOES (Field and Greenhouse) (2)

Insects Controlled	Rate of Application	Method of Application
Aphids	1 to 2 lbs. per acre	lbs. per acre Make applications when insects appear or feeding is
Blister Beetle		noticed.
Colorado Potato Beetle		
Flea Beetle		
Tomato Hornworm		
Webworm (California Only)		
Cabbage Looper	1 1/2 to 2 lbs. per acre	
Stink Bug		
Tomato Fruitworm	2 lbs. per acre	
Tomato Russet Mite		
Whitefly	}	
Yellowstriped Armyworm		
Whitefly	1 lb. per 100 gals. of water.	Make applications when insects appear or feeding is noticed. Higher spray volumes may be necessary for thorough coverage when high Whitefly populations exist. Use 100 to 200 gals, of spray per acre.

Do not make more than 6 applications per year.

Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.

WALNUTS

Insects Controlled	Rate of Application	Method of Application
Walnut aphid	3 to 4 lbs. per acre (Apply in a minimum of 100 gallons of water per acre)	Make applications when insects appear or feeding is noticed.

Do not apply after husk split.

Do not graze livestock on orchard crops or grasses in treated areas.

Do not make more than 2 applications per year.

Do not exceed a maximum of 3 lbs, active ingredient (6 lbs, 50WSB) per acre per year.

COMMERCIALLY GROWN ORNAMENTALS GROWN OUTDOORS ONLY

ORNAMENTAL TREES AND SHRUBS

DOUGLAS FIR (Grown for Ornamentals, Nursery Stock or Christmas Trees) Pacific Northwest Only

Insects Controlled	Rate of Application	Method of Application
Aphids	1 lb. per 100 gallons	Make applications when insects appear or feeding is
Cooley Spruce Gall	1	noticed. For control of Gall Adalgid, apply when white
Adelgid	1	cottony tufts appear. For control of Needie Midge, apply in late April or early May just before buds open.
Douglas Fir	1	
Needle Midge		
Do not exceed a maximum of 3 lbs. active ingredient (6 lbs. 50WSB) per acre per year.		

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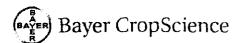
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Phaser 50WSB Insecticide (For Use in California Only) (PENDING) Submitted 3/11/03.