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January 10, 2002

NOTIFICATION

FEB 1 2 2002

Submission of Revised Label by Notification per PR Notice 95-1 DREXEL ENDOSULFAN 3EC (EPA Reg. No. 19713-399)

This notification is consistent with the Provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

FOR DREXEL CHEMICAL COMPANY

LUZ G PIWONKA Registration Manager



January 10, 2002

Document Processing Desk (NOTIF) Office of Pesticide Programs (7504C) U.S. Environmental Protection Agency Rm 266A, Crystal Mall 2 1921 Jefferson Davis Hwy. Arlington, VA 22202

ATTN: DR. DANA PILITT, Insecticide Branch

Re: Submission of a Revised Label by Notification per PR Notice 95-1 Drexel Endosulfan 3EC (EPA Reg. No. 19713-399)

Reference is made to the above. Herewith, please find:

- 1. Completed EPA Form 8570-1.
- 2. One (1) copy of the label (399SP-0801++) with the following revision:
 - i) The effluent discharge statement, "Do not discharge......Office of the EPA." was added for pack sizes of 5 gallons and above under the Environmental Hazards heading.
- 3. Certification Statement per PR Notice 98-10

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370.

Thank you.

Respectfully, Drexel Chemical Company

Luz & Piwonka Registration Manager



NOTIFICATION

FEB 1 2 2002

Endosulfan 3EC

Insecticide

For Agricultural or Commercial Use Only ACTIVE INGREDIENT:

Endosulfan: Hexachlorohexahydromethano-	
2,4,3-benzodioxathiepin-3-oxide	34.0%
OTHER INGREDIENTS:*	66.0%
TOTAL:	100.0%

This product contains 3 pounds of Endosulfan per gallon. *Contains xytene range aromatic solvent

KEEP OUT OF REACH OF CHILDREN DANGER _____ PELIGRO POISON - VENENO

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

See FIRST AID Below SHAKE WELL BEFORE USING

FIRST AID

EPA Reg. No. 19713-399

EPA Est. No. 19713-GA-1

Net Contents:

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 a poison control center or
- doctor.
- Do not give anything by mouth to an unconscious or convulsing 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.

IF ON SKIN OR CLOTHING:

Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15 to 20 minutes.

IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eve.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

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. This formula contains petroleum hydrocarbons (xylene range aromatic solvent). Care should be taken to prevent aspiration because of the possibility of chemical pneumonia or pulmonary edema due to the organic solvent in the formulation.

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

DANGER: Fatal if swallowed. Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. May be fatal if inhaled or absorbed through skin. Do not breathe vapor or spray mist. Do not contaminate food or feed. Keep out of reach of domestic animats. Food utensils such as teaspoons or measuring cups must not be used for food purposes after use in measuring pesticides. 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 and other handlers must wear: Coveralls over longsleeved shirt and long pants, chemical-resistant gloves, such as Barrier laminate or Viton ≥ 14 mils., chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure, a respirator with 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) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter. Add a chemical-resistant apron when cleaning equipment, mixing or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls 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: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing, 3) Remove PPE immediately after halidling 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, to areas where surface water is present or to intertidal areas below the mean high water mark. Due to the rick 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 wastwaters. 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 au spucified 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.

> Manufactured By: **Drexel Chemical Company**

P.O. BOX 13327, MEMPHIS, TN 38113-0327

Note: Add this statement to all container sizes of 5 gallons and higher. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill 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.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the REI of 24 hours.

Exception: If the product is soil-injected or soil-incorporated, the WPS, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves such as Barrier laminate or Viton \geq 14 mils., protective eyewear, chemical-resistant footwear plus socks and chemicalresistant headgear for overhead exposure.

See "CALIFORNIA SUPPLEMENTAL LABEL" (at the end of this label) for required procedures for reducing risk of contamination of aquatic ecosystems.

GENERAL INFORMATION

Not for use or storage in or around the home. Do not use in undiluted form. 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 good 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 on Fruit and Nut trees and on vines. Where more than 2 quarts of this material are recommended, mix with sufficient water to provide a minimum of finished spray equal to twice the amount of this product used. Do not plant root crops other than Carrots, Potatoes, Sweet pota-

toes and Sugar beets as follow-up crops. Observe days interval between last application and harvest. Observe state and regional restrictions and limitations if indicated in

the crop headings. (CA only) indicates instructions specific to California. (Except CA) indicates uses for all states excluding California. No state restrictions indicates that the use is valid in California and all other states.

CHEMIGATION STATEMENT

CHEMIGATION USE INSTRUCTIONS-POTATOES ONLY

Do not apply this product through any type of irrigation system to other crops. Do not apply this product to Potatoes through any type of irrigation system unless chemigation application instructions are followed.

APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, bug gun, solid set or hand move irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact your State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for the operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Mix in clean supply tank the recommended amount of this product for acreage to be covered and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination non-injurious under your conditions of use. Follow precautionary statements and directions for all tank mix products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and state of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues. Meter this product into the irrigation water uniformly during the period of operation. Do not overlap application. Follow recommended label rates, application timing and other directions and precautions for crop being treated. Continuous mild agitation of pesticide mixture may be needed to assure a uniform application, particularly if the supply tank requires a number of hours to empty.

Do not apply when wind speed favors drift beyond the area intended for treatment.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS Note: DREXEL CHEMICAL does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply optigns before selecting to make such a connection. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from a point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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 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 shutdown.

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.

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.

SPRINKLER CHEMIGATION (FOLIAR SPRAY USES)

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 bactflow. 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 [coated 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.

Do not apply when wind speed favors drift beyond the area intended for treatment.

PROCEDURES FOR REDUCING THE 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 applications of this product:

DIRECTIONS FOR USE (GENERAL)

In addition to specific instructions under "DIRECTIONS FOR USE" on the principal label, 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 pounds of active ingredient per acre per application, or more than 3 pounds of active ingredient per acre per season. (Orchard crops and Strawberries exempted on rate per acre per application restriction).
- Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.
- Do not apply by ground or air within a distance of 300 feet to natural bodies of water including lakes, ponds, streams and estuaries.

FOR DRIFT CONTROL

- All application equipment should be properly maintained and calibrated using appropriate carriers.
- 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% of wingspan 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.
- 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.
- 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).
- Helicopters operating at 60 mph or less shall be equipped with nozzles having an orifice not less than 1/14 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/w 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 APPLICATION OF THIS PRODUCT

- Fields, with no drains, having containment through berms (able to hold irrigation water and normal rainwater), levees and nondraining circulation systems.
- 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.
- 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 APPLICATION OF THIS PRODUCT

- 1. Fields draining directly into surface waters such as streams, rivers, lakes, ponds, marshes, bays, estuaries or the ocean.
- 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 the Elkhorn Slough (Northern portion of Monterey County).
- Any and all fields with drainage patterns in 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 CROP.

Сгор	Pests	Rate of Application
Except CA)	Aphids (including Appie aphids, Rosy apple aphids, Woolly apple aphids), Apple rust mites, Green fruitworms, Tarnished plant bugs, Tentiform leafminers, White apple leafhoppers (first generation)	分 qt. per 100 gals. or a maximum of 3兆 qts. per acre
	SPECIFIC DIRECTIONS: Applications m and/or petal fall provide best control of Ta bugs and Green fruitworms. For best con ation White apple leafhoppers, apply whe appear on leaves. If necessary, prior to p per 100 gals, to control Apple aphids and aphids. For control of Tentiform leafminer application as soon as moth flight begins application should be made 10 days late	rnished plant trol of first gener- en nymphs first etal fall, use 1 qt. 1 Rosy apple (s, make first (c A second
fruits to animals of more than 2 applic applications per y	I pomace from treated Apples to livestock r allow livestock to graze in treated orchaic cations during the fruiting period. Do not r ear. Do not exceed a maximum of 3 lbs. o tts.) per acre per year.	rds. Do not make nake more than 3
Apples (30) (CA only)	Aphids (including Apple aphids, Rosy apple aphids, Woolly apple aphids), Apple rust mites, White apple leafhoppers (first generation)	好 qt. per 100 gallons or a maximum of 3扮 qts. per acre
	SPECIFIC DIRECTIONS: For best contri- ation White apple leafhoppers, apply who appear on leaves. If necessary, prior to p per 100 gals, to control Apple aphids and aphids.	en nymphs first letal fall, use 1 qt.
fruits to animals o more than 2 appli- applications per y	d pomace from treated Apples to livestoc r allow livestock to graze in treated orcha cations during the fruiting period. Do not ear. Do not exceed a maximum of 3 lbs. qts.) per acre per year.	rds. Do not make make more than 3
Apricots (21), Nectarines (21), Peaches (21) (Except CA)	Peachtree borers, Lesser peachtree borers	1 qt. per 100 gals. or 2% to 3% qts. per acre Pacific Northwest: % to 1 qt. per 100 gals. Southeastern States: 2 to 3% qts. per 100 gals.
	SPECIFIC DIRECTIONS: Best control is single application post-harvest. Spray all ground level to lower scatfold limbs.	obtained with a
orchards. Do not	d cull fruits to animals or allow livestock to make more than 2 applications per year. . of active ingredient (i.e., 4 qts.) per acre	Do not exceed a
Apricots (30), Nectarines (30), Peaches (30) (Except CA)	Aphids (including Black cherry aphids, Black peach aphids, Green peach aphids, Rusty plum aphids), Catfacing insects (Stink bug type), Green fruit- worms, Peach silver mites, Peach twig borers	⅔ qt.per 100 gals. or a maximum of 3⅓ qtš. per acre
	SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed.	tion 3 whor, insects
	d cull fruits to animals or allow lives ock to make more than 2 applications per year, a of active ingredient (i.e., 4 q(3.) per acre	Do not exceed a
orchards. Do not		
orchards. Do not	Aphids (including Black cherry aphids, Black peach aphids, Green peach aphids, Rusty plum aphids), 'Catfacing insects (Stink bug type), Peach silver mites, Peach twig borers	34 qt. per 100 gals. or a maximum of 314 gts. per acre
orchards. Do not maximum of 3 lbs Apricots (30), Nectarines (30), Peaches (30) (CA only)	Aphids (including Black cherry aphids, Black peach aphids, Green peach aphids, Rusty plum aphids), 'Catfacing insects (Stink bug type), Peach silver mites, Peach twig borers SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	100 gais, or a maximum of 3½ כָיָג, שָּבּר acre
orchards. Do not maximum of 3 lbs Apricots (30), Nectarines (30), Peaches (30) (CA only) Note: Do not fee orchards. Do not	Aphids (including Black cherry aphids, Black peach aphids, Green peach aphids, Rusty plum aphids), 'Catfacing insects (Stink bug type), Peach silver mites, Peach twig borers SPECIFIC DIRECTIONS: Make applica	100 gals, or a maximum of 3½ cts, per acre tione when insects o graze in treated Do not exceed a

Crop	Pests	Rate of Application
Cont.)	Cereal leaf beetles (IL, IN, MI, OH Only)	ろ to % qt. per acre
Barley, Oats. Rye, Wheat Except CA)	SPECIFIC DIRECTIONS: Apply when sm readily found in the field. For aerial applic minimum of 1 to 2 gals. of water per acre	ation, use a
	Aphids (including Russian wheat aphids)	劣 to 1 qt. per acre
	SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed.	ons when insects
ivestock. Do not	ly after heads begin to form. Do not feed make more than 2 applications per year. I b. of active ingredient (i.e., 1½ qts.) per ac	Do not exceed a
Barley, Oats,	Army cutworms	⅔ qt. per acre
Rye, Wheat CA Only)	SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed.	ons when insects
	Aphids (including Russian wheat aphids)	3/3 to 1 qt. per acre
	SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed.	ons when insects
ivestock. Do not	by after heads begin to form. Do not feed make more than 2 applications per year. I b. of active ingredient (i.e., 1½ qts.) per ac	Do not exceed a
Bearls,	Black bean aphids, Bean leaf skele-	⅔ to 1⅓ qts.
Succulent and Dry (except	tonizers, Cowpea curculios, Cucumber beetles, Flea beetles, Green stink	per acre
Lima beans) (3)	bugs, Leafhoppers, Mexican bean	
and Southern field peas		
Succulent type,	SPECIFIC DIRECTIONS: Make applicate appear or feeding is noticed. For control	
ncluding Black-	curculios, make 3 applications at 5-day in	
eyed peas, Crowder peas	when the pods are 1/2 inch long.	
and Southern	Aphids, Armyworms, Western bean cutworms, Whiteflies	1½ qts.
peas) (3) (Except CA)	SPECIFIC DIRECTIONS: Make applicati	per acre
	appear or feeding is noticed. For control cutios, make 3 applications at 5-day inter the pods are ½ inch long. d treated threshings or allow livestock to g	rvals starting when
processing. Do n	a on Lima beans that are to be removed fr ot make more than 3 applications per yea bs. of active ingredient (i.e., 4 qts.) per ac	r. Do not exceed
Beans, Succularit and	Black bean aphids, Bean leaf skele- tonizers, Cucumber beetles, Flea	36 to 116 qts.
Succulent and Dry (except	beetles, Green stink bugs, Leafhop-	per acre
Lima beans) (3)	pers, Mexican bean beetles	
and Southern field peas (Succulent type,	SPECIFIC DIRECTIONS: Make applicate appear or feeding is noticed.	ions when insects
including Black- eyed peas,	Aphids. Western bean cutworms, Whiteflies	1½ qts. per acre
Crowder peas and Southern peas) (3)	SPECIFIC DIRECTIONS: Make applicat	
(CA Only)	appear or feeding is noticed.	Name is tracted
fields. Do not use processing. Do r	e on Lima beans that are to be removed in out make more than 3 applications per yea 0 lbs. of active ingredient (i.e., 4 qts.) per	om the field for ir. Do not exceed
Blueberries (Except CA)	Blueberry bud mites	2 qts. per acre per 300 gals. of water
	SPECIFIC DIRECTIONS: Apply immedia and repeat 6 to 8 weeks later.	ately after harvest
2 applications pe	ply after buds are well-formed. Do not mal er year. Do not exceed a maximum of 3 lb: qts.) per acre per year.	
Broccoli (7),	Cabbage aphids, Cabbage loopers.	1 to 11/3 qts.
Brussels	Cross-striped cabbageworms,	per acre
sprouts (14), Cabbage (7),	Diamondback moths (larvae), Flea beetles, Harlequin bugs, Imported cab-	1
Cabbage (7), Cauliflower (14)	bageworms, Leafhoppers, Stink bugs	1
(Except CA)	SPECIFIC DIRECTIONS: Make applicat	ions when insects
	appear or feeding is noticed.	
	Armyworms, Cutworms, Whiteflies	1 ½ qts. per acre
	SPECIFIC DIRECTIONS: Make applicat	· · · · · · · · · · · · · · · · · · ·
	appear or feeding is noticed.	
Note: Do cot ma	ke more than 4 applications per year. Do	not exceed a

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Note: Do not make more than 4 applications per year. Do not exceed a maximum of 3 lbs, of active ingredient (i.e., 4 qts.) per acre per year.

Сгор	Pests	Rate of Application
Broccoli (7), Brussels sprouts (14), Cabbage (7),	Cabbage aphids, Cabbage loopers, Cross-striped cabbageworms, Diamondback moths (larvae), Flea beetles, Harlequin bugs, Imported	1 to 1½ qts. per acre
Cauliflower (14) (CA Only)	cabbageworms, Stink bugs SPECIFIC DIRECTIONS: Make applicati	ons when insects
	appear or feeding is noticed. Armyworms, Cutworms, Whiteflies	11/3 gts. per acre
	SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed.	
	ke more than 2 applications per year. Do bs. of active ingredient (i.e., 2% ots.) per a	
Carrots (7) (Except CA)	Green peach aphids, Leafhoppers	3% to 1% qts. per acre
	SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed.	on when insects
	Armyworms, Flea beetles, Whiteflies	11/3 qts. per acre
	SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed.	on when insects
	a tops for food or feed. Do not make more exceed a maximum of 1.0 lb. of active ing r year.	
Carrots (7) (CA Only)	Green peach aphids	衿 to 1汚 qts. per acre
	SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed.	ion when insects
	Flea beetles, Whiteflies	1½ qts. per acre
	e tops for food or feed. Do not make more exceed a maximum of 1 lb. of active ingre r.	
Celery (4) (Except CA)	Green peach aphids, Cabbage loopers, Leafhoppers	⅔ to 1½ qts. per acre
	SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed.	ion when insects
	Armyworms, Flea beetles, Whiteflies	1% qts. per acre
	SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed.	
	ike more than 1 application per year. Do r . of active ingredient (i.e., 1½ qts.) per acr	
Celery (7) (Except CA)	Green peach aphids	⅔ qt. per acre
	SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed.	
Note: Do not ma maximum of 1 lb	ake more than 2 applications per year. Do . of active ingredient (i.e., 1½ qts.) per acr	not exceed a e per year.
Celery (4) (CA Only)	Green peach aphids, Cabbage loopers	36 to 116 qts. per acre
	SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed.	ion when insects
	Flea beetles, Whiteflies	+1% qts. µer acre
···	SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed.	ion when insects
Note: Do not ma maximum of 1 lb	ake more than 1 application per year. Do r . of active ingredient (i.e., 13 g(s.) per acr	not exceed a e per year.
Calery (7) (CA Only)	Green peach aphids	⅔ qt. p∋r acre
	SPECIFIC DIRECTIONS: Make applicate appear or feeding is noticed.	<u></u>
maximum of 1 lb	ake more than 2 applications, per year. Do . of active ingredient (i.e., 11/3 qts.) per acr	e per vear,
Cherries (21) (Except CA)	Peachtree borers, Lesser peachtree borers	1 qt. per 100 gais, or 2% to 3) dts. per-acre Facific Northwest: % to 1 qt. per 100 acie
	SPECIFIC DIRECTIONS: Best control is single application post-harvest after leave	
	i single application post-narvest after leav	rcsiave ui∪DDe0.

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Сгор	Pests	Rate of Application
Cont.)	Black cherry aphids, Green fruitworms,	% q1. per 100
herries (21)	Plum rust (Nursery) mites	gals, or 2% to
Except CA)		3½ qts. per acre
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed.	ons when insects
	Pacific Northwest only: Eyespotted	34 qt. per 100
	bud moths, Fruittree leafrollers	gals, or 2% to
	<u></u>	3½ qts. per acre
	SPECIFIC DIRECTIONS: For Bud moth (popcom stage, For Leafroller control, app stage of growth.	
	MI Onty: Mineola moths	1½ qts. per
	SPECIFIC DIRECTIONS: Apply in the de period.	100 gals. layed-dormant
lote: Do not fee	d cull fruits to animals or allow livestock to	graze in treated
rchards. Do not	make more than 2 applications per year. I s. of active ingredient (i.e., 4 gts.) per acre	Do not exceed a
Cherries (21)	Black cherry aphids, Plum rust	² / ₃ qt. per 100
CA Only)	(Nursery) mites	gals. or 2% to 3% qts. per acre
	SPECIFIC DIRECTIONS: Make applicati	
	appear or feeding is noticed.	
	Pacific Northwest only:	3⁄3 qt. per 100
	Eyespotted bud moths, Fruittree teafrollers	gals, or 2% to
		3½ qts. per acre
	SPECIFIC DIRECTIONS: For Bud moth popcorn stage. For Leafroller control, app stage of growth.	
Note: Do not fee	ed cull fruits to animals or allow livestock to	graze treated
	make more than 2 applications per year. I	
	s, of active ingredient (i.e., 4 qts.) per acre	T
Cherry, Peach, Plum Nursery	Peachtree borers	23% qts. per 40 gais.
Stock Dip	SPECIFIC DIRECTIONS: Mix thoroughly	· · · · · · · · · · · · · · · · · · ·
Except CA)	that the roots and crowns are covered w	
	grafting bud scar.	
	ediately or dry before returning stock to sto ive equipment (PPE) requirements for app peration.	
Cherry, Peach, Plum Nursery	Peachtree borers	235 qts. per 40 gals.
Stock Dip	SPECIFIC DIRECTIONS: Mix thoroughly	
(CA Only)	that the roots and crowns are covered w grafting bud scar.	
to this displace	ediately or dry before returning stock to st ive equipment (PPE) requirements for app peration	
	ive equipment (PPE) requirements for app peration.	licators also apply
Citrus	ive equipment (PPE) requirements for app	
Citrus (Non-bearing trees and	ive equipment (PPE) requirements for app peration.	licators also apply % qt. per 100 gals. or a maximum of
Citrus (Non-bearing trees and Nursery stock)	ive equipment (PPE) requirements for app peration.	licators also apply % qt. per 100 gals. or a maximum of
Citrus (Non-bearing trees and Nursery stock)	ive equipment (PPE) requirements for app peration.	licators also apply 3 qt. per 100 gals. or a maximum of 33 qts. per acre
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note; Do not ap	Ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed.	licators also apply 35 qt. per 100 gals. or a maximum of 315 qts. per acre ions when insects fruit within 12
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ap months. Do not ap	Ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ply to bearing trees or trees that will bear make more than 2 applications per year. D	licators also apply 3/5 qt. per 100 gals. or a maximum of 3/5 qts. per acre ions when insects fruit within 12 to not exceed a
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ap months. Do not maximum of 3 lt	Ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ply to bearing trees or trees that will bear make more than 2 applications per year. D is. of active ingredient (i.e., 4 qts.) per acre	licators also apply gals. or a maximum of 3½ qts. per acre ions when insects fruit within 12 to not exceed a a per year.
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ar months. Do not maximum of 3 lt Collards (21)	Ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ply to bearing trees or trees that will bear make more than 2 applications per year. D	licators also apply 35 qt. per 100 gals. or a maximum of 3% qts. per acre ions when insects fruit within 12 to not exceed a
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ar months. Do not maximum of 3 lt Collards (21)	Ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. The bearing trees or trees that will bear make more than 2 applications per year. D is, of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Flea beetles, Harlequin bugs, Imported	licators also apply 3/3 qt, per 100 gals. or a maximum of 3/3 qts. per acre ions when insects fruit within 12 to not exceed a a per year. 1 to 1/5 qts.
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ar months. Do not maximum of 3 lt Collards (21)	Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Flea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers	licators also apply 3/3 qt. per 100 gals. or a maximum of 3/5 qts. per acre ions when insects fruit within 12 o not exceed a a per year. 1 to 1/5 qts. per acre
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ar months. Do not maximum of 3 lt Collards (21)	Ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. The bearing trees or trees that will bear make more than 2 applications per year. D is, of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Flea beetles, Harlequin bugs, Imported	licators also apply 3/3 qt. per 100 gals. or a maximum of 3/5 qts. per acre ions when insects fruit within 12 o not exceed a a per year. 1 to 1/5 qts. per acre
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ar months. Do not maximum of 3 lt Collards (21)	Ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. The second second second second second ply to bearing trees or trees that will bear make more than 2 applications per year. D is, of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Fiea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers SPECIFIC DIRECTIONS: Make applicat	licators also apply 35 qt. per 100 gals. or a maximum of 375 qts. per acre- tions when insects fruit within 12 o not exceed a a per year. 1 to 11/5 qts. per acre- tion when insects
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ap months. Do not	Ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. oply to bearing trees or trees that will bear make more than 2 applications per year. D is, of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Flea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat	icators also apply 3/5 qt. per 100 gals. or a maximum of 3/5 qts. per acre ions when insects fruit within 12 to not exceed a a per year. 1 to 1/5 qts. per acre ion when insects 1/5 qts. per acre
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ap months. Do not i maximum of 3 lt Collards (21) (Except CA)	 ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. oply to bearing trees or trees that will bear make more than 2 applications per year. D is, of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Fiea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies 	licators also apply 35 qt. per 100 gats. or a maximum of 375 qts. per acre ions when insects fruit within 12 o not exceed a a per year. 1 to 1% qts. per acre tion when insects 1% qts. per acre tion when insects
Nursery stock) (Including CA) Note: Do not ap months. Do not a maximum of 3 lt Collards (21) (Except CA) Note: Do not m	Ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. oply to bearing trees or trees that will bear make more than 2 applications per year. D is, of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Flea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed.	licators also apply 35 qt. per 100 gals. or a maximum of 315 qts. per acre ions when insects fruit within 12 to not exceed a a per year. 1 to 11/5 qts. per acre tion when insects 11/5 qts. per acre tion when insects to not exceed a
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ap maximum of 3 lit Collards (21) (Except CA) Note: Do not m maximum of 1 lit Collards (21)	ive equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ply to bearing trees or trees that will bear make more than 2 applications per year. D is. of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Fka beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ake more than 1 application per year. Do n o, of active ingredient (i.e., 1½ qts.) per acre	licators also apply 35 qt. per 100 gals. or a maximum of 315 qts. per acre ions when insects fruit within 12 to not exceed a a per year. 1 to 11/5 qts. per acre tion when insects 11/5 qts. per acne tion when insects not exceed a
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ap maximum of 3 lt Collards (21) (Except CA) Note: Do not m maximum of 1 lt	ive equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ply to bearing trees or trees that will bear make more than 2 applications per year. D is. of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Flea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies Aphids, Cabbage loopers, Diamondback moths (larvae), Flea	licators also apply 35 qt. per 100 gats. or a maximum of 315 qts. per acre ions when insects fruit within 12 o not exceed a a per year. 1 to 11/5 qts. per acre 11/5 qts. per acre tion when insects 11/5 qts. per acre tion when insects 11/5 qts. per acre
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ap maximum of 3 lit Collards (21) (Except CA) Note: Do not m maximum of 1 lit Collards (21)	ive equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ply to bearing trees or trees that will bear make more than 2 applications per year. D is. of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Flea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ake more than 1 application per year. Do f . of active ingredient (i.e., 1% qts.) per acr Aphids, Cabbage loopers, Diamondback moths (larvae), Flea beetles, Harlequin bugs, Imported	licators also apply 35 qt. per 100 gals. or a maximum of 315 qts. per acre ions when insects fruit within 12 o not exceed a a per year. 1 to 11/5 qts. per acre 11/5 qts. per acre tion when insects 11/5 qts. per acre tion when insects 11/5 qts. per acre
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ap maximum of 3 lit Collards (21) (Except CA) Note: Do not m maximum of 1 lit Collards (21)	 ve equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ply to bearing trees or trees that will bear make more than 2 applications per year. D is. of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Flea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear, the figure dient (i.e., 1% qts.) per acressing appear on feeding is morted. Aphids, Cabbage loopers, Diamondback moths (larvae), Flea beetles, Harlequin bugs, Imported cabbageworms, Whiteflies 	licators also apply 3/3 qt. per 100 gals. or a maximum of 3/3 qts. per acre ions when insects fruit within 12 to not exceed a a per year. 1 to 1/5 qts. per acre tion when insects 1/3 qts. per acre tion when insects not exceed a e per year. 1 qt. per acre
Citrus (Non-bearing trees and Nursery stock) (Including CA) Note: Do not ap maximum of 3 lit Collards (21) (Except CA) Note: Do not m maximum of 1 lit Collards (21)	ive equipment (PPE) requirements for app peration. Citrus aphids SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ply to bearing trees or trees that will bear make more than 2 applications per year. D is. of active ingredient (i.e., 4 qts.) per acre Aphids, Cabbage loopers, Diamond- back moths (larvae), Fall armyworms, Flea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicat appear or feeding is noticed. ake more than 1 application per year. Do f . of active ingredient (i.e., 1% qts.) per acr Aphids, Cabbage loopers, Diamondback moths (larvae), Flea beetles, Harlequin bugs, Imported	licators also apply 3/3 qt. per 100 gals. or a maximum of 3/3 qts. per acre ions when insects fruit within 12 to not exceed a a per year. 1 to 1/5 qts. per acre tion when insects 1/3 qts. per acre tion when insects not exceed a e per year. 1 qt. per acre

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Note: Do not make more than 1 application per year. Do not exceed a maximum of 0.75 lb. of active ingredient (i.e., 1 qt.) per acre per year.

Crop Cotton	Pests	Rate of Application
E	Aphids	1/2 to 1 qt. per acre
Except CA)	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed. Thorough important.	
	Boll weevils	3/3 to 2 qts. per acre
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	tions when insects
	Boltworms, Cabbage loopers, Cotton leafperforators, Cotton leafworms, Fleahoppers, Lygus bugs, Stink bugs, Tobacco budworms	1½ to 2 qts. per acre
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	tions when insects
	Whiteflies	11/3 qts. per acre
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	itions when insects
	Thrips SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	2 qts. per acre itions when insects
ment. The higher apply after bolls	ons may be made using ground or aerial rate should be used under heavy pest p open. Do not graze dairy or meat animal maximum of 3 lbs. of active ingredient (ressure. Do not is in treated fields.
Cotton (CA Onty)	Aphids	1/2 to 1 qt. per acr
(CA Only)	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed. Thorough important.	
	Boll weevils	券 to 2 qts. per acre
*	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	ations when insects
	Bollworms, Cabbage loopers, Cotton leafperforators, Fleahoppers, Lygus bugs, Stink bugs	11/5 to 2 qts. per acre
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	ations when insects
	Whiteflies	1½ qts. per acre
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed.	ations when insects
	Thrips SPECIFIC DIRECTIONS: Make applica	2 qts. per acre
	appear or feeding is noticed.	
ment. The highe apply after bolls		application equip- pressure. Do not Is in treated fields.
ment. The highe apply after bolls Do not exceed : per year. Cucumbers (2), Melons (2), Pumpkins (2), Summer	appear or feeding is noticed. ons may be made using ground or aerial r rate should be used under heavy pest p open. Do not graze dairy or meat anima a maximum of 3 lbs. of active ingredient of Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine	application equip- ressure. Do not Is in treated fields. (i.e., 4 qts.) per acre 35 to 135 qts. per acre
ment. The highe apply after bolls Do not exceed : per year. Cucumbers (2), Melons (2), Pumpkins (2),	appear or feeding is noticed. ons may be made using ground or aerial r rate should be used under heavy pest p open. Do not graze dairy or meat anima a maximum of 3 lbs. of active ingredient i Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash	application equip- ressure. Do not Is in treated fields. (i.e., 4 qts.) per acre % to 1½ qts. per acre ations when insects ish vine horer contro
ment. The highe apply after bolls Do not exceed a per year. Cucumbers (2), Pumpkins (2), Pumpkins (2), Summer and Winter squash (2)	appear or feeding is noticed. ons may be made using ground or aerial r rate should be used under heavy pest p open. Do not graze dairy or meat anima a maximum of 3 lbs. of active ingredient is Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Striped flea beetles SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. For Squa apply weekly to flower buds, stems and when moths first appear. Cabbage loopers, Omnivorous leafrollers, Whiteflies	application equip- ressure. Do not Is in treated fields. (i.e., 4 qts.) per acre 35 to 115 qts. per acre ations when insects ish vine horer contro I vines beginning 1.6 qts. per acre
ment. The highe apply after bolls Do not exceed a per year. Cucumbers (2), Pumpkins (2), Pumpkins (2), Summer and Winter squash (2)	appear or feeding is noticed. ons may be made using ground or aerial r rate should be used under heavy pest p open. Do not graze dairy or meat anima a maximum of 3 lbs. of active ingredient is Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Striped flea beetles SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. For Squa apply weekly to flower buds, stems and when moths first appear. Cabbage loopers, Omnivorous	application equip- ressure. Do not Is in treated fields. (i.e., 4 qts.) per acre 36 to 116 qts. per acre ations when insects ish vine horer contro I vines beginning 1.6 qts. per acre
ment. The highe apply after bolls Do not exceed is per year. Cucumbers (2), Meions (2), Pumpkins (2), Summer and Winter squash (2) (Except CA)	appear or feeding is noticed. ons may be made using ground or aerial r rate should be used under heavy pest p open. Do not graze dairy or meat anima a maximum of 3 lbs. of active ingredient is Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Striped flea beetles SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. For Squa apply weekly to flower buds, stems and when moths first appear. Cabbage loopers, Omnivorous leafrollers, Whiteflies SPECIFIC DIRECTIONS: Make applic	application equip- ressure. Do not Is in treated fields. (i.e., 4 qts.) per acre 36 to 1% qts. per acre ations when insects ish vine horer control I vines beginning 1% qts. per acre ations when insects Do not exceed a
ment. The highe apply after bolls Do not exceed is per year. Cucumbers (2), Pumpkins (2), Summer and Winter squash (2) (Except CA) Note: Do not m maximum of 3 II Cucumbers (2), Melons (2), Pumpkins (2), Summer	appear or feeding is noticed. ons may be made using ground or aerial r rate should be used under heavy pest p open. Do not graze dairy or meat anima a maximum of 3 lbs. of active ingredient is Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Striped flea beetles SPECIFIC DIRECTIONS: Make applic apply weekly to flower buds, stems and when moths first appear. Cabbage loopers, Ornivorous leafollers, Whiteflies SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. appear or feeding is noticed. appear or feeding is noticed. Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine	application equip- ressure. Do not Is in treated fields. (i.e., 4 qts.) per acre % to 1½ qts. per acre ations when insects ish vine horer control vines beginning 1.6 qts. per acre ations when insects Do not exceed a cre per year. % to 1½ qts. per acre
ment. The highe apply after bolls Do not exceed : per year. Cucumbers (2), Pumpkins (2), Summer and Winter squash (2) (Except CA) Note: Do not m maximum of 3 II Cucumbers (2), Pumpkins (2),	appear or feeding is noticed. ons may be made using ground or aerial r rate should be used under heavy pest p open. Do not graze dairy or meat anima a maximum of 3 lbs. of active ingredient if Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Stiped flea beetles SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. For Squa apply weekly to flower buds, stems and when moths first appear. Cabbage loopers, Omnivorous leafrollers, Whiteflies SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. SPECIFIC DIRECTIONS: Make applic appear or feeding is notice.d. ake more than 6 applications per year. It os. of active ingredient (i.e., 4 qts.) per an Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Stiped flea beetles SPECIFIC DIRECTIONS: Make applic apply weekly to flower buds, stems and borers, Stiped flea beetles	application equip- rressure. Do not Is in treated fields. (i.e., 4 qts.) per acre 36 to 116 qts. per acre ations when insects the horer control 1 vine: beginning 1 % qts. per acre ations when insects Do not exceed a cre per year. 24 to 116 qts. per acre ations when insects on at one when insects per acre
ment. The highe apply after bolls Do not exceed : per year. Cucumbers (2), Melons (2), Pumpkins (2), Summer and Winter squash (2) (Except CA) Note: Do not m maximum of 3 II Cucumbers (2), Melons (2), Pumpkins (2), Summer and Winter squash (2)	appear or feeding is noticed. ans may be made using ground or aerial r rate should be used under heavy pest p open. Do not graze dairy or meat anima a maximum of 3 lbs. of active ingredient if Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Striped flea beetles SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. For Squa apply weekly to flower buds, stems and when moths first appear. Cabbage loopers, Ornivorous leafrollers, Whiteflies SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. set on the tran 6 applications per year. Dos. of active ingredient (i.e., 4 qts.) per an Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Striped flea beetles SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed.	application equip- rressure. Do not Is in treated fields. (i.e., 4 qts.) per acre 36 to 116 qts. per acre ations when insects the horer control 1 vine: beginning 1 % qts. per acre ations when insects Do not exceed a cre per year. 24 to 116 qts. per acre ations when insects on a exceed a cre per year.
ment. The highe apply after bolls Do not exceed : per year. Cucumbers (2), Melons (2), Pumpkins (2), Summer and Winter squash (2) (Except CA) Note: Do not m maximum of 3 II Cucumbers (2), Melons (2), Pumpkins (2), Summer and Winter squash (2)	appear or feeding is noticed. ons may be made using ground or aerial r rate should be used under heavy pest p open. Do not graze dairy or meat anima a maximum of 3 lbs. of active ingredient (Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Striped flea beetles SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. For Squa apply weekly to flower buds, stems and when moths first appear. Cabbage loopers, Ornnivorous leafrollers, Whiteflies SPECIFIC DIRECTIONS: Make applic appear or feeding is notic.d. ake more than 6 applications per year. D s. of active ingredient (i.e., 4 qfs.) per ar Aphids, Cucumber beetles, Melonworms, Pickleworms, Rindworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Striped flea beetles SPECIFIC DIRECTIONS: Make applic appear or feeding is noticed. For Squa Aphids, Cucumber beetles, Melonworms (on Watermelons), Squash beetles, Squash bugs, Squash vine borers, Striped flea beetles SPECIFIC DIRECTIONS: Make applic apply weekly to flower buds, stems and when moths first appear. Cabbage loopers, Omnivorous	application equip- ressure. Do not Is in treated fields. (i.e., 4 qts.) per acre 75 to 11/5 qts. per acre ations when insects ish vine borer contro twineb beginning 11/5 qts. per acre ations when insects Do not exceed a cre per year. 26 to 11/5 qts. per acre ations when insects ash viria bore, contro d vines beginning 11/5 qts, per acre

		Rate of
Crop	Pests	Application
Eggplant (1)	Blister beetles, Colorado potato	35 to 115 qts.
(Except CA)	beetles, Flea beetles, Green peach aphids, Green stink bugs	per acre
	SPECIFIC DIRECTIONS: Make application	ons when insects
	appear or feeding is noticed.	
	Whiteflies	115 gts. per acre
	SPECIFIC DIRECTIONS: Make application	ons when insects
	appear or feeding is noticed.	
Note: Do not ma	ke more than 2 applications per year. Do	not exceed a
	of active ingredient (i.e., 1½ qts.) per acr	
Eggplant (1) (CA Only)	Blister beetles, Colorado potato beetles, Flea beetles, Green peach	2/3 to 1/5 pts.
(CA Only)	aphids, Green stink bugs	per acre
	SPECIFIC DIRECTIONS: Make applicati	ons when insects
	appear or feeding is noticed.	
	Whiteflies	1½ pts. per acre
	SPECIFIC DIRECTIONS: Make applicati	ons when insects
	appear or feeding is noticed.	
	ake more than 2 applications per year. Do	
Grapes (7)	lb. of active ingredient (i.e., 1½ pts.) per a	
(Including CA)	Grape leafhoppers, Grape phylloxera (leaf form), Rose chafers	⅔ qt. per 100 gals. or 1½ to
		2 qts. per acre
	SPECIFIC DIRECTIONS: Make applicati	
	appear or feeding is noticed.	
	ply to Concord variety as severe plant inju	
	on is preferred. Do not make more than 3 eed a maximum of 3 lbs. of active ingredie	
acre per year.	sed a maximum of 5 103. Of Bellive Ingredit	ent (i.e., 4 (ta.) per
Kale (21)	Cabbage flea beetles, Harlequin bugs,	1 qt. per acre
(Including CA)	Imported cabbageworms	
	SPECIFIC DIRECTIONS: Make applicati	ons when insects
	appear or feeding is noticed.	
	ake more than 1 application per year. Do r 5 lb. of active ingredient (i.e., 1 qt.) per acr	
Lettuce (14)	Cabbage loopers, Diamondback moths	1 to 1% gts.
(Except CA)	(larvae), Green peach aphids, Imported	per acre
(,	cabbageworms, Leafhoppers	
	SPECIFIC DIRECTIONS: Make applicati	ons when insects
	appear or feeding is noticed.	
	Armyworms, Whiteflies	1/5 gts. per acre
	SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed.	ons when insects
Note: On Head	lettuce - Do not make more than 3 applic	ations after
	e wrapper leaves at harvest.	
	- Do not make more than 2 applications p	
	refuse to livestock. Do not exceed a max	imum of 3 lbs. of
	(i.e., 4 qts.) per acre per year.	1 10 11/ 010
Lettuce (14) (CA Only)	Cabbage loopers, Diamondback moths (larvae), Green peach aphids, Imported	1 to 1½ qts. per acre
	cabbageworms	perdate
	SPECIFIC DIRECTIONS: Make applicati	ons when insects
	appear or feeding is noticed.	
	Whiteflies	1½ qts. per acro
	SPECIFIC DIRECTIONS: Make applicati	ons when insects
	appear or feeding is noticed.	
	lettuce - Do not make more than 3 applic	ations after
	e wrapper leaves at harvest. - Do not make more than 2 applications r	oer vear
	refuse to livestock. Do not exceed a max	
active ingredient	(i.e., 4 qts.) per acre per year.	
Mustard	Aphids, Cabbage loopers, Diamond-	1 to 11/5 qts.
greens (21)	back moths (larvae), Fail armyworms,	per acre
(Except CA)	Flea beetles, Harlequin bugs, Imported cabbageworms, Leafhoppers	
		one where increate
	SPECIFIC DIRECTIONS: Make application	
	SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed.	ons when insects
	appear or feeding is noticed.	1½ qts. per acre
	appear or feeding is noticed. Whiteflies	1½ qts. per acre
	appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed. ake more than 1 application per year. Do i	1% qts. per acre on when insects not exceed a
maximum of 1 lb	appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed. ake more than 1 application per year. Do n of active ingredient (i.e., 1½ qts.) per act	15 qts. per acre on when insects not exceed a re per year.
maximum of 1 lb Mustard greens	appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed. ake more than 1 application per year. Do n of active ingredient (i.e., 1½ qts.) per act Aphids, Cabbage loopers, Diamond-	1½ qts. per acre on when insects not exceed a
maximum of 1 lb Mustard greens	appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed. ake more than 1 application per year. Do n of active ingredient (i.e., 1½ qts.) per act Aphids, Cabbage kopers, Diamond- back moths (larvae), Flea beetles,	15 qts. per acre on when insects not exceed a re per year.
maximum of 1 lb	appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed. ake more than 1 application per year. Do n of active ingredient (i.e., 1½ qts.) per act Aphids, Cabbage loopers, Diamond- back moths (larvae), Flea beetles, Harlequin bugs, Imported cabbage-	15 qts. per acre on when insects not exceed a re per year.
maximum of 1 lb Mustard greens	appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed. ake more than 1 application per year. Do n of active ingredient (i.e., 1½ qts.) per acr Aphids, Cabbage loopers, Diamond- back moths (larvae), Flea beetles, Harlequin bugs, imported cabbage- worms, Whiteflies	1½ qts. per acre on when insects not exceed a re per year. 1 qt. per acre
maximum of 1 lb Mustard greens	appear or feeding is noticed. Whiteflies SPECIFIC DIRECTIONS: Make applicati appear or feeding is noticed. ake more than 1 application per year. Do n of active ingredient (i.e., 1½ qts.) per act Aphids, Cabbage loopers, Diamond- back moths (larvae), Flea beetles, Harlequin bugs, Imported cabbage-	1½ qts. per acre on when insects not exceed a re per year. 1 qt. per acre

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Note: Do not make more than 1 application per year. Do not exceed a maximum of 0.75 lb. of active ingredient (i.e., 1 qt.) per acre per year.

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Crop	Pests	Rate of Application
ears (7) Except CA)	Green fruitworms, Tarnished plant bugs	% qt. per 100 gais, or 2% to
		31/3 gts. per acre
	SPECIFIC DIRECTIONS: Make applica or petal fall when insects appear or feet	itions at white bud
	Pear psyla	3½ qts. per acre
	SPECIFIC DIRECTIONS: Apply in a min	nimum of 10 gals.
	of water for aerial application or in 300	
	dilute application. Apply when adults are nymphs are small and repeat to maintain	
	Pear rust mites, Consperse stink bugs	35 qt. per 100
	(Foliar treatment)	gals. or 2% to
	SPECIFIC DIRECTIONS: Make applica	3/3 qts. per acre
	appear or feeding is noticed. Stink bug	s must be wet by
	spray to obtain control. Consperse stink bugs	34 gt. per 100
	(Soil treatment)	gals. or 200 to
		400 gals, per acre
	SPECIFIC DIRECTIONS: Apply to orch around trees prior to bloom.	ard floor and
	Pearteaf blister mites	1⁄3 to ⅔ qt.
		per 100 gals.
	SPECIFIC DIRECTIONS: Apply to tree: or dormant treatment.	s as a post-harvest
te: Do not fee	d cull fruits to animals or allow livestock to	graze in treated
hards. Do not	make more than 2 applications per year. s. of active ingredient (i.e., 4 qts.) per acro	Do not exceed a
olication may r	not result in satisfactory control and should	f only be employed
	pply by ground.	-
ars (7) A Only)	Pear psylla SPECIFIC DIRECTIONS: Apply in a mi	3½ qts. per acre
	of water for aerial application or in 300	
	dilute application. Apply when adults are	
	nymphs are small and repeat to mainta Pear rust mites, Consperse stink bugs	
	(Foliar treatment)	gais. or 2% to
	SPECIFIC DIRECTIONS: Make applica	315 qts. per acre
	appear or feeding is noticed. Stink bug spray to obtain control.	
	Consperse stink bugs (Soil treatment)	35 qt. per 100
		gais. or 200 to 400 gals. per acre
	SPECIFIC DIRECTIONS: Apply to orch	
	around trees prior to bloom. Pearleaf blister mites	⅓ to ⅔ qt.
		per 100 gals.
	SPECIFIC DIRECTIONS: Apply to trees	s as a post-harvest
te: Do not fee	or dormant treatment. d cull fruits to animals or allow livestock to	o graze in treated
chards. Do not	make more than 2 applications per year.	Do not exceed a
plication may r	s. of active ingredient (i.e., 4' qts.) per acri not result in satisfactory control and should pply by ground.	e per year. Aenal I only be employed
cans (cept CA)	Black pecan aphids, Pecan nut casebearers, Spittlebugs	1 qt. per 100 gals.
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed. For Case	tions when insects
	when eggs of first generation appear o	n the tips of the
	young nuts. Another application may be second generation of eggs is deposited	
	apply when first leaves are half grown a	
	Pecan leaf phylloxera	· · · · · · · · · · · · · · · · · · ·
		3/3 to 1 qt. per 100 gais.
	SPECIFIC DIRECTIONS: Apply when r	iymptis appear and
	before they are enclosed in plant tissue	For high popu-
ote: Do not apr	lations, use the higher rate ply after shuck split. Do not graze livestoc	k on orcherd crops
grasses in trea o not exceed a	ated areas. Do not make more than 2 app maximum of 3 lbs. of active ingredient (i.	blications per year.
r year. Icans	Black pecan aphids, Pecan nut	* 1 qt per
A Only)	casebearers, Spittlebugs	າວປ gais.
	SPECIFIC DIRECTIONS: Make applica	ations when insects
	appear or feeding is noticed. For Case when eggs of first generation appear o	
	nuts. Another application may be requir	ed after the second
	generation of eggs is deposited. For S when first leaves are half grown and re	
	ply after shuck split. Do not graze livestoc	k on orchard crops
grasses in trea	ated areas. Do not make more than 2 app	plications per year.
o not exceed a er year.	maximum of 3 lbs. of active ingredient (i.	e., 4 qts.) per acre

Crop		
	Pests Flea beetles, Green peach aphids,	Rate of Application
Including	Hornworms, Pepper maggots	36 qt. per acre
CA)	SPECIFIC DIRECTIONS: Make application	s when insects
lete: Do col	appear or feeding is noticed. make more than 2 applications per year. Do	n not exceed a
	1 lb. of active ingredient (i.e., 1½ qts.) per ac	
	Armyworms, Flea beetles, Green peach	3/3 to 11/3 qts.
Except CA)	aphids, Horrworms, Leafhoppers, Pepper maggots	per acre
	SPECIFIC DIRECTIONS: Make application	when insects
	appear or feeding is noticed. Whiteflies	1½ gts. per acre
	SPECIFIC DIRECTIONS: Make application	when insects
Nata Da ani	appear or feeding is noticed.	a not avaged a
	make more than 2 applications per year. D 2 lbs. of active ingredient (i.e., 234 qts.) per :	
	Flea beetles, Green peach aphids,	35 to 115 gts.
(CA Only)	Hornworms, Pepper maggots	per acre
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed.	when insects
	Whiteflies	11/3 gts. per acre
	SPECIFIC DIRECTIONS: Make application	when insects
	appear or feeding is noticed.	
Note: Do no	make more than 2 applications per year. D	o not exceed a
Pineapple	2 lbs. of active ingredient (i.e., 2% gts.) per a Pineapple fruit mites	2 to 2% gts. per
(7)		acre
Fresh	SPECIFIC DIRECTIONS: Make application	
Market Only (CA Only)	appear or feeding is noticed. Apply at inter if necessary, particularly during the 40-day to	
	t feed forage or Pineapple by-products to liv	
	applications per year. Do not exceed a maxi	
	ient (i.e., 4 qts.) per acre per year.	·····
Plums (7), Prunes (7)	Fruittree leafrollers (Pacific Northwest Only)	35 qt. per 100 gals
(Except CA)	(Fachic Northwest Only)	or 2% to 3% gts. per acre
(,	SPECIFIC DIRECTIONS: Apply during pre-	pink stage of growth
	when insects appear or feeding is noticed.	
	Aphids (including Hop aphids, Leafcurt	³ 4 qt. per 100 gals
	aphids, Thistle aphids), Plum rust (Nursery) mites	or 2% to 3% qts. per acre
	SPECIFIC DIRECTIONS: For control of Ap	hids, apply when
	eggs hatch during pre-bloom or petal fall. S	
	should be made before leaves curl.	
	Peach two borers	24 at par 100 aple
	Peach twig borers	
		or 2% to 3% gts. per acre
	SPECIFIC DIRECTIONS: Make application	or 2% to 3% gts. per acre
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed.	or 2% to 3% qts. per acre is when insects
	SPECIFIC DIRECTIONS: Make application	or 2% to <u>3% qts. per acre</u> is when insects 1 qt. per 100 gals. 2% to 3% qts. per
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers,	or 2% to <u>3% qts. per acre</u> is when insects 1 qt. per 100 gals. 2% to 3% qts. per acre
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers,	or 2% to <u>3% qts. per acre</u> when insects 1 qt. per 100 gals. 2% to 3% qts. per acre Pacific Northwes
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers,	or 2% to <u>3% qts. per acre</u> s when insects 1 qt. per 100 gals. 2% to 3% qts. per acre Pacific Northwes % to 1 qt. per 100
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers. Peachtree borers	or 2% to <u>3% qts. per acre</u> s when insects 1 qL per 100 gals. 2% to 3% qts. per acre Pacific Northwes % to 1 qt. per 100 gals. or 2% to 3% qts. per acre
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers, Peachtree borers SPECIFIC DIRECTIONS: Best control is of	or 2% to <u>3% qts. per acre</u> s when insects 1 qt. per 100 gals. 2% to 3% qts. per acre Pacific Northwes % to 1 qt. per 100 gals. or 2% to 3% qts. per acre Dtained with a single
	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers. Peachtree borers	or 2% to <u>3% qts. per acre</u> s when insects 1 qt. per 100 gals. 2% to 3% qts. per acre Pacific Northwes % to 1 qt. per 100 gals. or 2% to 3% qts. per acre btained with a single dropped. Spray all
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areas. Do no maximum of Plums (7), Prunes (7)	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers, Peachtree borers Peachtree borers SPECIFIC DIRECTIONS: Best control is of application post-harvest, after leaves have bark areas from ground to lower scaffold fir allow livestock to graze on orchard crops o t make more than 2 applications per year. D 3 lbs. of active ingredient (i.e., 4 qts.) per ac Fruitree leafrollers (Pacific Northwest Only) SPECIFIC DIRECTIONS: Apply during pre when insects appear or feeding is noticed. Aphids (including Hop aphids, Leafourl aphids, Thistle aphids), Plum rust (Nursery) mites SPECIFIC DIRECTIONS: For control of Ap	or 2% to <u>3% qts. per acre</u> ts when insects 1 qt. per 100 gals. 2% to 3% qts. per acre Pacific Northwes % to 1 qt. per 100 gals. or 2% to 3% qts. per acre blained with a single dropped. Spray all mbs. or grasses in treated to not exceed a tre per year. % qt. per 100 gals or 2% to 3% qt. per acre hids, apply when
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areas. Do no maximum of Plums (7), Prunes (7)	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers, Peachtree borers SPECIFIC DIRECTIONS: Best control is of application post-harvest, after leaves have bark areas from ground to lower scaffold in allow ivestock to graze on orchard crops o t make more than 2 applications per year. D 3 lbs. of active ingredient (i.e., 4 qts.) per act Fruitree leafrollers (Pacific Northwest Only) SPECIFIC DIRECTIONS: Apply during pre- when insects appear or feeding is noticed. Aphids (including Hop aphids, Leafcurl aphids, Thistle aphids), Plum rust (Nursery) mites SPECIFIC DIRECTIONS: For control of Ap eggs hatch during pre-bloom or petal fail. S should be made before leaves curl. Peach twig borers SPECIFIC DIRECTIONS: Make application appear or feeding is noticed.	or 2% to <u>3% qts. per acre</u> is when insects 1 qt. per 100 gals. 2% to 3% qts. per acre Pacific Northwes % to 1 qt. per 100 gals. or 2% to 3% qts. per acre otained with a single dropped. Spray all mbs. in grasses in treated to not exceed a tre per year. % qt. per 100 gals or 2% to 3% qt. per 100 gals
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areas. Do no maximum of Plums (7), Prunes (7)	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers, Peachtree borers Peachtree borers SPECIFIC DIRECTIONS: Best control is of application post-harvest, after leaves have bark areas from ground to lower scaffold fir allow ivestock to graze on orchard crops of t make more than 2 applications per year. D 3 lbs. of active ingredient (i.e., 4 qts.) per ac Fruitree leafrollers (Pacific Northwest Only) SPECIFIC DIRECTIONS: Apply during pre- when insects appear or feeding is noticed. Aphids (including Hop aphids, Leafcul aphids, Thistle aphids), Plum rust (Nursery) mites SPECIFIC DIRECTIONS: For control of Ap- eggs hatch during pre-bloom or petal fall. S should be made before leaves curl. Peach twig borers SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers, Peachtree borers	3/5 qts. per acre s when insects 1 qt. per 100 gals. 275 to 3/5 qts. per acre Pacific Northwes 75 to 1 qt. per 100 gals. or 276 to 3/5 qts. per acre blained with a single dropped. Spray all mbs. rr grasses in treated 300 not exceed a are per year. 75 qt. per 100 gals or 275 to 3/5 qts. per acre pink stage of growth 75 qt. per 100 gals or 275 to 3/5 qts. per acre hids, apply when summer applications 75 qt. per 100 gals or 275 to 3/5 qts. per acre s when insects 74 to 1 qt. per 100 gals. or 276 to 3/5 qts. per acre
areas. Do no maximum of Plums (7), Prunes (7)	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers, Peachtree borers Peachtree borers SPECIFIC DIRECTIONS: Best control is of application post-harvest, after leaves have bark areas from ground to lower scaffold fir allow ivestock to graze on orchard crops o t make more than 2 applications per year. D 3 lbs. of active ingredient (i.e., 4 qts.) per ac Fruitree leafrollers (Pacific Northwest Only) SPECIFIC DIRECTIONS: Apply during pre when insects appear or feeding is noticed. Aphds (including Hop aphids, Leafoul aphids, Thistle aphids), Plum rust (Nursery) mites SPECIFIC DIRECTIONS: For control of Ap eggs hatch during pre-bloom or petal fall. S should be made before leaves curl. Peach twig borers SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers, Peachtree borers SPECIFIC DIRECTIONS: Best control is of	or 2% to <u>3% qts. per acre</u> s when insects 1 qt. per 100 gals. 2% to 3% qts. per acre Pacific Northwes % to 1 qt. per 100 gals. or 2% to 3% qts. per acre otained with a single dropped. Spray all mbs. rr grasses in treated to not exceed a tre per year. % qt. per 100 gals or 2% to 3% qts. per acre pink stage of growtl % qt. per 100 gals or 2% to 3% qts. per acre when insects % to 1 qt. per 100 gals. or 2% to 3% gals. per acre s when insects % to 1 qt. per 100 gals. or 2% to 3% gals. or 2% to 3%
areas. Do no maximum of Plums (7), Prunes (7)	SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers, Peachtree borers Peachtree borers SPECIFIC DIRECTIONS: Best control is of application post-harvest, after leaves have bark areas from ground to lower scaffold fir allow ivestock to graze on orchard crops of t make more than 2 applications per year. D 3 lbs. of active ingredient (i.e., 4 qts.) per ac Fruitree leafrollers (Pacific Northwest Only) SPECIFIC DIRECTIONS: Apply during pre- when insects appear or feeding is noticed. Aphids (including Hop aphids, Leafcul aphids, Thistle aphids), Plum rust (Nursery) mites SPECIFIC DIRECTIONS: For control of Ap- eggs hatch during pre-bloom or petal fall. S should be made before leaves curl. Peach twig borers SPECIFIC DIRECTIONS: Make application appear or feeding is noticed. Lesser peachtree borers, Peachtree borers	or 2% to <u>3% qts. per acre</u> s when insects 1 qt. per 100 gals. 2% to 3% qts. per acre Pacific Northwes % to 1 qt. per 100 gals. or 2% to 3% qts. per acre otained with a single dropped. Spray all mbs. or grasses in treated to not exceed a tre per year. % qt. per 100 gals or 2% to 3% qt. per acre hids, apply when summer applications % qt. per 100 gals or 2% to 3% qt. per acre hids, apply when

maximum of 3 lbs. of active ingredient (i.e., 4 qts.) per acre per year.

Crop Pests Rate of Application Aphids, Armyworms, Colorado Potatoes (1) 3/3 to 11/3 qts. potato beetles, Green stink bugs, (Including CA) per acre Leaffooted bugs, Plant bugs, Potato flea beetles, Potato leafhoppers, Potato tuber-worms, Threelined potato beetles SPECIFIC DIRECTIONS: Make applications when insects appear or feeding is noticed. European com borers, Potato 1 to 1/5 gts. psyllids per acre SPECIFIC DIRECTIONS: Make applications when insects appear or feeding is noticed. False chinch bugs, Whiteflies 1 to 1% ots per acre SPECIFIC DIRECTIONS: Make applications when insects appear or feeding is noticed. Note: Do not make more than 6 applications per year. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 4 qts.) per acre per year. CHEMIGATION: For application by irrigation systems, apply the specified amount of this product per acre. Follow all directions given under the "CHEMIGATION USE INSTRUCTIONS" section of this label. Spinach (21) Armyworms, Crown mites, Flea 1 to 11/3 gts. (Except CA) beetles, Green peach aphids, per acre Leafhoppers SPECIFIC DIRECTIONS: Make application when insects appear or feeding is noticed. Whiteflies 1% ots, per acre SPECIFIC DIRECTIONS: Make application when insects ~ appear or feeding is noticed Note: Do not make more than 1 application per year. Do not exceed a maximum of 1 lb. of active ingredient (i.e., 1% qts.) per acre per year. Spinach (21) Crown mites, Flea beetles, Green 1 ot, per acre (CA Only) peach aphids, Whiteflies SPECIFIC DIRECTIONS: Make application when insects appear and feeding is noticed. Note: Do not make more than 1 application per year. Do not exceed a maximum of 0.75 lb. of active ingredient (i.e., 1 qt.) per acre per year. Strawberries Meadow spittlebugs, Strawberry 1% gts. per acre aphids, Tamished plant bugs, (4) (Including CA) Whiteflies SPECIFIC DIRECTIONS: Make applications when insects appear or feeding is noticed. Do not reapply within 15 days or more than twice during a 35-day period when fruit is present Cyclamen mites 2% qts. per acre in 400 gals. SPECIFIC DIRECTIONS: 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. Note: Do not make more than 3 applications per year. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 4 qts.) per acre per year. Garden symphylans (Aids in reducing Strawberries 115 gts. damage) (Northwest per 100 gals. Use Only) (Except CA) SPECIFIC DIRECTIONS: Mix thoroughly, Diplendre plant. When immersing bundles of plants, make certain any trapped air is forced out to assure thorough wetting of the entire plant. . Note: Full personal protective equipment (PPE) requirements for applicators also apply to this dipping operation. Drain and allow plants to dry before setting them out in the field. 1/3 qts. Strawberries Garden symphylans (Aids in reducing • "per 100 gais. (Northwest damage) Use Only) (CA Only) SPECIFIC DIRECTIONS: 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. Note: Full personal protective equipment (PPE) requirements for applicators also apply to this dipping operation. Drain and allow plants to dry before

setting them out in the field.

Crop	Pests	Rate of Application
Sweet corn (1)	Corn leaf aphids, Whiteflies	11/3 qts. per acre
(Fresh	SPECIFIC DIRECTIONS: Make appli	
Vege table Use Only)	appear or feeding is noticed.	
(Including CA)	Corn earworms	2 qts. per acre
	SPECIFIC DIRECTIONS: Apply when continue until they begin to dry. Allow applications.	5 days between
forage or ensilation for the formation of the formation o	ply to Sweet corn to be processed. Do ge to livestock or allow fivestock to graz han 3 applications per year. Do not exi redient (i.e., 4 qts.) per acre per year.	ze in treated fields. D
Sweet potatoes (1) (Except CA)		⅔ qt. per acre
	SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For Fle applications shortly after transplanting beetles appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery and Repeat applications may be made as Sweet potato weevil control in a clear a rate of 2% qts. per acre to the soil potato nursery beds and the area imm the nursery beds. Do not place the se the ground treated with this product.	a beetle control, begii or as soon as Flea evil control, apply in 2. Applications may b d/or in the field. 5. necessary. For h-up program, apply a under the Sweet nediately surrounding red tubers directly on
	Whiteflies	1½ qts. per acre
	SPECIFIC DIRECTIONS: Make appli activity or feeding is noticed.	cations when insect
	Banded cucumber beetles (larvae) - (Aids in control) (South Central states and Puerto Rico Only)	1% to 2% qts. per acre broadcast or 5 to 1 qt. per acre on 16" band over the row (48" row
	SPECIFIC DIRECTIONS: Work into the approximately 3 inches. Treatment shippion to plant set.	ould be made just
treated fields. D a maximum of 3	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow liv o not make more than 3 applications p lbs. of active ingredient (i.e., 4 qts.) pe	he soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year.
treated fields. D	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow liv o not make more than 3 applications p lbs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet potato weevils	ne soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 34 qt. per acre
treated fields. D a maximum of 3 Sweet potatoes	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow liv o not make more than 3 applications p lbs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet	esoil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 34 qt. per acre cations when insects a beetle control, begi or as soon as Flea evil control, apply in a. Applications may b Jor in the field.
treated fields. D a maximum of 3 Sweet potatoes (1) (CA Only) Note: Do not fer treated fields. D	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow liv o not make more than 3 applications p lbs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet potato weevils SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For Flei applications shortly after transplanting beetles appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery and	esoil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 3/4 qt. per acre cations when insects a beetle control, begin or as soon as Flea evil control, apply in a. Applications may b d/or in the field. 5 necessary. estock to graze in er year. Do not excee
treated fields. D a maximum of 3 Sweet potatoes (1) (CA Only) Note: Do not fe treated fields. D a maximum of 1 Tobacco (5)	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow livo o not make more than 3 applications p lbs. of active ingredient (i.e., 4 qts.) pe Sweet potato fiea beetes, Sweet potato weevils SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For File applications shortly after transplanting beetes appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery and Repeat applications may be made as ed cull Potatoes to livestock or allow livo o not make more than 3 applications p 5 lbs. of active ingredient (i.e., 2 qts.) p	he soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 3/3 qt. per acre cations when insects a beetle control, begi or as soon as Flea evil control, apply in a. Applications may b d/or in the field. 5 necessary. estock to graze in er year. Do not excee per acre per year.
treated fields. D a maximum of 3 Sweet potatoes (1) (CA Only) Note: Do not fer treated fields. D a maximum of 1	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow livo o not make more than 3 applications p libs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet potato weevils SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For Flei applications shortly after transplanting beetles appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery and Repeat applications may be made as ed cull Potatoes to livestock or allow livo o not make more than 3 applications p 5 lbs. of active ingredient (i.e., 2 qts.) (Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea beetles. Hornworms	he soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 34 qt. per acre cations when insects a beetle control, begi or as soon as Flea evil control, apply in a. Applications may b f/or in the field. is necessary. estock to graze in er year. Do not excee per acre per year. Seed Bed: 3/s qt. per 100 gals.
treated fields. D a maximum of 3 Sweet potatoes (1) (CA Only) Note: Do not fe treated fields. D a maximum of 1 Tobacco (5)	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow livo o not make more than 3 applications p libs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet potato weevils SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For Flei applications shortly after transplanting beetles appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery and Repeat applications may be made as ed cull Potatoes to livestock or allow livo o not make more than 3 applications p 5 lbs. of active ingredient (i.e., 2 qts.) p Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea	he soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 34 qt. per acre cations when insects a beete control, begi or as soon as Flea evil control, apply in a. Applications may b d/or in the field. s necessary. estock to graze in er year. Do not excee per acre per year. Seed Bed: 3/3 qt. per 100 gals. cations when insects
treated fields. D a maximum of 3 Sweet potatoes (1) (CA Only) Note: Do not fe treated fields. D a maximum of 1 Tobacco (5)	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow live o not make more than 3 applications p ibs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet potato weevils SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For Flee applications shortly after transplanting beetles appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery anx Repeat applications may be made as ed cull Potatoes to livestock or allow live o not make more than 3 applications p 5 lbs. of active ingredient (i.e., 2 qts.) f Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea beetles, Hornworms SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. Apply a	he soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 34 qt. per acre cations when insects a beete control, begii or as soon as Flea evil control, apply in a. Applications may b d/or in the field. s necessary. estock to graze in er year. Do not excee per acre per year. Seed Bed: 3/5 qt. per 100 gals. cations when insects
treated fields. D a maximum of 3 Sweet potatoes (1) (CA Only) Note: Do not fe treated fields. D a maximum of 1 Tobacco (5)	approximately 3 inches. Treatment sh prior to plant set. ad cull Potatoes to livestock or allow livo o not make more than 3 applications p libs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet potato weevils SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For Flei applications shortly after transplanting beetles appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery and Repeat applications may be made as ed cull Potatoes to livestock or allow livo o not make more than 3 applications p 5 lbs. of active ingredient (i.e., 2 qts.) (Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea beetles, Hornworms SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. Apply a finished spray per 100 sq. yds.	he soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. ?4 qt. per acre cations when insects a beetle control, begii or as soon as Flea evil control, apply in a. Applications may b d/or in the field. s necessary. estock to graze in er year. Do not excee her acre per year. Seed Bed: ?5 qt. per 100 gals. cations when insects pproximately 6 gals. of Plant Bed: ?5 pt. pr 100 gals.
treated fields. D a maximum of 3 Sweet potatoes (1) (CA Only) Note: Do not fe treated fields. D a maximum of 1 Tobacco (5)	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow live o not make more than 3 applications p ibs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet potato weevils SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For Flea applications shortly after transplanting beetles appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery anx Repeat applications may be made as ed cull Potatoes to livestock or allow live o not make more than 3 applications p 5 lbs. of active ingredient (i.e., 2 qts.) f Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea beetles, Hornworms SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. Apply a finished spray per 100 sq. yds. Green June bugs (larvae) SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. Drench sq. yd. Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea beetles, Green June bugs (larvae), Hornworms	ne soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 34 qt. per acre cations when insects a beetle control, begii or as soon as Flea evil control, apply in a. Applications may b flor in the field. a necessary. estock to graze in er year. Do not excee per acre per year. Seed Bed: 36 qt. per 100 gals. cations when insects pproximately 6 gals. of Plant Bed: 36 pt. pt. 100 gals. cations when insects at a rate of 1 gal. per Field: 35 to 135 qts per acre
treated fields. D a maximum of 3 Sweet potatoes (1) (CA Only) Note: Do not fe treated fields. D a maximum of 1 Tobacco (5)	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow live o not make more than 3 applications p lbs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet potato weevils SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For Flea applications shortly after transplanting beetles appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery anx Repeat applications may be made as ed cull Potatoes to livestock or allow live o not make more than 3 applications p 5 lbs. of active ingredient (i.e., 2 qts.) f Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea beetles, Hornworms SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. Apply a finished spray per 100 sq. yds. Green June bugs (larvae) SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. Drench sq. yd. Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea beetles, Green June bugs (larvae)	ne soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 34 qt. per acre cations when insects a beetle control, begi or as soon as Flea evil control, apply in a. Applications may b flor in the field. a necessary. estock to graze in er year. Do not excee per acre per year. Seed Bed: 36 qt. per 100 gals. cations when insects pproximately 6 gals. of Plant Bed: 36 pt. p 100 gals. cations when insects at a rate of 1 gal. per Field: 35 to 135 qts per acre
treated fields. D a maximum of 3 Sweet potatoes (1) (CA Only) Note: Do not fe treated fields. D a maximum of 1 Tobacco (5)	approximately 3 inches. Treatment sh prior to plant set. ed cull Potatoes to livestock or allow live o not make more than 3 applications p lbs. of active ingredient (i.e., 4 qts.) pe Sweet potato flea beetles, Sweet potato weevils SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. For Flea applications shortly after transplanting beetles appear. For Sweet potato we sufficient water for complete coverage made to transplants in the nursery and Repeat applications may be made as ed cull Potatoes to livestock or allow live o not make more than 3 applications p 5 lbs. of active ingredient (i.e., 2 qts.) f Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea beetles, Hornworms SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. Apply a finished spray per 100 sq. yds. Green June bugs (larvae) SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. Drench sq. yd. Aphids (including Green peach aphids, Tobacco aphids), Budworms, Cabbage loopers, Flea beetles, Green June bugs (larvae) Hornworms SPECIFIC DIRECTIONS: Make appli appear or feeding is noticed. Drench sq. yd. SPECIFIC DIRECTIONS: Make appli appear, Cabbage loopers, Flea beetles, Green June bugs (larvae), Hornworms SPECIFIC DIRECTIONS: Make appli	ne soil to a depth of ould be made just estock to graze in er year. Do not excee r acre per year. 34 qt. per acre cations when insects a beetle control, begi or as soon as Flea evil control, apply in a. Applications may b flor in the field. a necessary. estock to graze in er year. Do not excee per acre per year. Seed Bed: 36 qt. per 100 gals. cations when insects pproximately 6 gals. of Plant Bed: 36 pt. p 100 gals. cations when insects at a rate of 1 gal. per Field: 35 to 135 qts per acre

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Crop	Pests	Rate of Application
natoes (2) Id and enhouse) cept CA)	Aphids, Blister beetles, Colorado potato beetles, Flea beetles, Tomato hornworms	務 to 1兆 qts. per acre
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	tions when insects
	Cabbage loopers, Stink bugs	1 to 1½ qts. per acre
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	tions when insects
	Tomato fruitworms, Tomato russet mites, Whiteflies, Yellowstriped armyworms	1½ qts. per acre
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	tions when insects
	Whileflies	Use % qt. per 100 gals. of water. Use 100 to 200 gals. of spray per acre.
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed. Higher sp be necessary for thorough coverage wh populations exist.	ray volumes may
te: Do not ma ximum of 3 lb:	ike more than 6 applications per year. Do s. of active ingredient (i.e., 4 qts.) per acro	not exceed a e per year.
natoes (2) eld and eenhouse) \ Only)	Aphids, Blister beetles, Colorado potato beetles, Flea beetles, Tomato horriworms, Webworms	ろ to 15 qts. per acre
, (O	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	tions when insects
	Cabbage koopers, Stink bugs	1 to 1½ qts. per acre
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	tions when insects
	Tomato fruitworms, Tomato russet mites, Whiteflies, Yellowstriped armyworms	1½ qts. per acre
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	tions when insects
	Whiteflies	Use ² / ₅ qt. per 100 gals. of water. Use 100 to 200 gals. of \$ spray per acre.
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed. Higher spi be necessary for thorough coverage who populations exist.	ray volusinay may
i te: Do not ma iximum of 3 lb:	ike more than 6 applications per year. Do s. of active ingredient (i.e., 4 qrs.) per acri	not exceed a e por yosa
/alnuts ixcept CA)	Wainut aphids	2 to 2% qts. per acre. Apply in a mnimum of 109 gals. of water per acre.
	SPECIFIC DIRECTIONS: Make applica appear or feeding is noticed.	tions when insects
rasses in trea	ply after husk split. Do not graze livestock ated areas. Do not make more than 2 app maximum of 3 lbs. of active ingredient (i.	vications per year.

COMMERCIALLY GROWN ORNAMENTALS

Ornamental Plants

Crop	Pests	Rate of Application	
Leatherleaf fern (Leather holly fern) (Except CA)	Leatherleaf fern borers	劣 qt. per 100 gals. (1兆 tsps. per gal.)	
	SPECIFIC DIRECTIONS: Begin treatment when first larval feeding is observed in the midvein area at the base of the leaflets. Repeat at intervals of 2 to 3 weeks as necessary.		
Note: Food utensils such as teaspoons must not be used for food purposes after use in measuring pesticides. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 4 qts.) per acre per year.			
Ornamentals (Greenhouse and Out-of-doors) (Including CA)	Aphids, Cyclamen mites, Rose chafers, Whiteflies	3/3 qt. per 100 gals. (11/3 tsps. per gal.)	
	SPECIFIC DIRECTIONS: Make applications when insects appear or feeding is noticed.		

Note: Food utensils such as teaspoons must not be used for food purposes after use in measuring pesticides. On Chrysanthemums, best results will be obtained if applied before plants flower. Do not apply to "Bonnafon Deluxe", "Fred Shoesmith", and "White Knight" Chrysanthemums, as injury may result. Do not use on Birch trees. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 4 qts.) per acre per year.

Ornamental Trees and Shrubs

Crop	Pests	Rate of Application		
Dogwood, Lilac (Except CA)	Dogwood borers, Lilac borers	務 to 1⅓ qts. per 100 gais. (1㎏ to 2⅔ tsps. per gal.)		
	SPECIFIC DIRECTIONS: App repeat in 10 to 14 days. Drend to the ground level.			
Note: Food utensils such as teaspoons must not be used for food purposes after use in measuring pesticides. Do not exceed a maximum of 3 tbs. of active ingredient (i.e., 4 qts.) per acre per year.				
Douglas fir (Grown for Ornamentals, Nursery Stock or Christmas Trees) (Pacific Northwest Only) (Including CA)	Aphids, Cooley spruce gall adelgids, Douglas-fir needle midges	劣 qt. per 100 gals. (1汚 tsps. per gal.)		
	SPECIFIC DIRECTIONS: Make applications when insects appear or feeding is noticed. For control of Gall adelgids, apply when white cottony tufts appear. For control of Needle midges, apply in late April or early May just before buds open.			
Note: Food utensils such as teaspoons must not be used for food purposes after use in measuring pesticides. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 4 qts.) per acre per year.				
Pines (Austrian, Jack, Red, Scotch, White) (Except CA)	Zimmerman pine moths	1 gt. per 100 gals. (2 tsps. per gal.)		
	SPECIFIC DIRECTIONS: Apply in mid-April and again, if necessary, in late Fall. Thoroughly wet bark and main stem, especially where branches join main stem.			
Note: Food utensils such as teaspoons must not be used for food purposes after use in measuring pesticides. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 4 qts.) per acre per year.				
Shade trees (Except Birch), Shrubs (Including CA)	Aphids	兆 qt. per 100 gals. (1兆 tsps. per gal.)		
	SPECIFIC DIRECTIONS: Make applications when insects appear or feeding is noticed.			
Note: Food utensils such as teaspoons must not be used for food purposes after use in measuring pesticides. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 4 qts.) per acre per year.				
Spruce (New England Area Only)	Spruce gall aphids	3⁄3 qt. per 100 gals. (11⁄3 tsps. per gal.)		
	SPECIFIC DIRECTIONS: Apply in late April or early May when Aphids are present but before galls are formed.			
Note: Food utensils such as teaspoons must not be used for food purposes after use in measuring pesticides. Do not exceed a maximum of 3 lbs. of active ingredient (i.e., 4 qts.) per acre per year.				
Taxus (Except CA)	Taxus bud mites	⅔ qt. per 100 gals. (1½ tsps. per gal.)		
	SPECIFIC DIRECTIONS: Make 3 to 5 applications beginning in mid-May. Thoroughly spray foliage, twigs and bark.			
	Black vine weevits	1½ qt. per 100 gals. (2% tsps. per gal.)		
	SPECIFIC DIRECTIONS: Spray thoroughly and drench soil under the plants. Apply when the Weevils first appear and repeat in 14 days.			
Note: Food utensils such as teaspoons must not be used for food purposes after use in measuring pesticides. Do not exceed a maximum of 3 lbs, of				
active ingredient (i.e., 4 qts.) per acre per year.				

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. PESTICIDE STORAGE: Do not store in or around the home. Do not store below 20°F (-7°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 cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or diluted material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage and disposal. 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 acutely hazardous. 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 at the nearest EPA Regional Office for guidance.

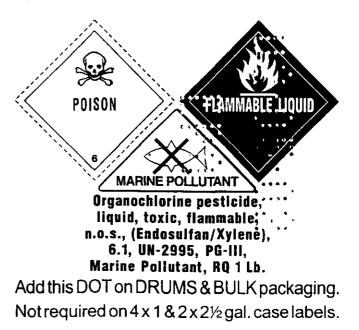
CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities. Do not cut or weld metal containers. Do not reuse empty container.

Returnable/Refillable Sealed Containers: Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

WARRANTY-CONDITION OF SALE

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

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



CALIFORNIA SUPPLEMENTAL LABEL

Procedures for reducing risks of contamination of aquatic ecosystems

FOR CROP USES LISTED ON THE PRODUCT LABEL

ENDOSULFAN 3EC 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 application of this product:

DIRECTIONS FOR USE IN CA (General)

IN ADDITION TO SPECIFIC INSTRUCTIONS UNDER "DIRECTIONS FOR USE" ON THE PRINCIPAL LABEL, 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 pounds active ingredient per acre per application or more than 3 pounds active ingredient per acre per season. (Orchard crops and Strawberries exempted on rate per acre per application restriction.)
- Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.
- Do not apply by ground or air within a distance of 300 feet to natural bodies of water including lakes, ponds, streams and estuaries.

FOR DRIFT CONTROL

- 1. All application equipment should be properly maintained and calibrated using appropriate carriers.
- Do not make aerial or ground applications during temperature inversions.
- 3. 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% of the wingspan or rotor diameter.

- Aircraft boom pressure shall not exceed 40 pounds per square inch.
 Aircraft nozzles shall be equipped with orifices directed backward, parallel to the horizontal axis of the aircraft in flight.
- 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 $y_{\rm te}$ inch in diameter (D-4 or larger).
- Helicopters operating at 60 mph or less shall be equipped with nozzles having an orifice not less than 1/m 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 ½ 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 APPLICATION OF THIS PRODUCT

- Fields with no drains, having containment through berms (able to hold irrigation water and normal rainwater), levees and non-draining circulation systems.
- 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 APPLICATION OF THIS PRODUCT

- 1. Fields draining directly into surface waters such as streams, rivers, lakes, ponds, marshes, bays, estuaries or the ocean.
- 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 the 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.

All applicable directions, restrictions and precautions on the EPA registered label are to be followed.

This label must be in the possession of the user at the time of pesticide application.

