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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

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

JAN 21 2009

Dear Ms. Chan:

Subject:

Labeling & CSF Amendment; Removal of Low VOC Formula Drexel Dimethoate 4EC EPA Reg. No. 19713-231 (Decision; 404456) Submission Date: December 29 2008

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment.

The Agency has also reviewed your submission for the revised Confidential Statement of Formula (CSF) dated December 29, 2008 for the basic formulation. It has been determined that the CSF agrees with the label claim in compliance with PR Notice 91-2 and is acceptable. The CSF has been added to your file as part of the record and will replace any previously submitted Confidential Statements of Formula for the basic formulation. If you have any questions regarding this letter, please contact me at (703) 306-0415.

Sincerely yours,

Kable Bo Davis

Entomologist Insecticide-Rodenticide Branch Registration Division (7505P)

Enclosure- Stamped Labeling

Dimethoate 4EC Systemic Insecticide – Miticide

Drexe

ACTIVE INGREDIENT:

Dimethoate*	43.5%
OTHER INGREDIENTS:	56.5%
TOTAL:	100.0%

*This product contains 4 pounds of active ingredient per gallon.

WARNING / AVISO

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

See FIRST AID Below SHAKE WELL BEFORE USING

EPA Reg. No. 19713-231 EPA Est. No. 19713-GA-001

Net Content: ____

FIRST AID ORGANOPHOSPHATE

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 IN EYES:
- 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 eye.
- · Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

- · Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

· Call a poison control center or doctor for treatment advice.

IF INHALED:

Move person to fresh air.

• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

· Call a poison control center or doctor for further 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 Information Center at 1-800-858-7378.

NOTE TO PHYSICIAN: Atropine is antidotal. Pralidoxime chloride may be effective as an adjunct to atropine. This product may cause cholinesterase inhibition. Treatment should be directed at the control of symptoms and clinical condition. Dimethoate is an organophosphate insecticide/miticide.

PRECAUTIONARY STATEMENTS Hazards To Humans and Domestic Animals

WARNING: Harmful or fatal if swallowed. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes and clothing. May cause eye irritation. Use only with adequate ventilation. Do not contaminate food and feed products. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are Barrier laminate, Butyl rubber or Viton. If you want more options, follow the instructions for Category B on an EPA chemical-resistance category selection chart. (Continued)

PRECAUTIONARY STATEMENTS (Cont.)

Mixers, loaders, applicators, flaggers, and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves, a NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter, and chemical-resistant apron when mixing, loading, cleaning up spills, or equipment.

See Engineering Controls for additional requirements and exceptions.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

Mixers and loaders supporting aerial application to alfalfa, cotton, soybeans, corn, safflower, sorghum, and wheat, must use a closed system that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)]. The system must be capable of removing the pesticide from the shipping container and transferring it into mixing tanks and/or application equipment. At any disconnect point, the system must be equipped with a dry disconnect or dry couple shut-off device that is warranted by the manufacturer to minimize drippage to no more than 2 ml per disconnect.

In addition, mixers and loaders must:

- wear the personal protective equipment required on this labeling for mixers/loader, except that no respirator is required,
- wear protective eyewear, if the system operates under pressure, and
- be provided and have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown, chemical-resistant footwear and a respirator of the type specified in the PPE section of this labeling.

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)]. Pilots need to wear the PPE required in this labeling for applicators, but must wear at least a long-sleeve shirt, long pants, shoes, and socks.

When handlers used closed systems or enclosed cabs in a manner that meets the requirements listed in the WPS for agricultural pesticides (40 CFR 170.240 (d)(4-5), 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/PPE immediately if pesticide gets inside. Then wash throrughly and put on clean clothing. 3) Remove PPE immediately and put on clean clothing. 3) Remove PPE immediately and the provide of gloves before removing. As soon as possible, wash throughly and change into clean clothing.

JAN 21 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 19713-231

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

ENVIRONMENTAL HAZARDS

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

Dimethoate is known to leach through soil into ground water under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This product may contaminate water through drift of spray in wind.

This product has a high potential for runoff for several days after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

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

A vegetative filter strip constructed and maintained in accordance with the 2000 Natural Resources Conservation Service publication "Conservation Buffers to Reduce Pesticide Losses" (http://www.nrcs.usda.gov/feature/buffers/) will significantly reduce the potential for contamination of water from rainfall-runoff.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame. Do not use this product in or on electrical equipment due to possibility of shock hazard.

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), restricted entry interval and notification of workers. 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 restricted entry interval.

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 worn over long-sleeve shirt and long pants, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, and chemical-resistant headgear for overhead exposure.

Double Notification: Notify workers of the application by warning them orally and by posting warning signs at entrances to treated area.

BEFORE USING, READ WARNING STATEMENTS ON CONTAINER LABEL.

APPLICATION RESTRICTIONS

This product is for use in commercial settings only. Use in residential settings is prohibited.

DO NOT use on crops grown in greenhouses.

This product has a systemic and contact activity against a broad spectrum of piercing, sucking and chewing insects; however, it may not control certain organophosphate-resistant species.

TANK MIXING: This product is compatible in spray tank mixes with most insecticides, miticides and fungicides, provided they are not alkaline in reaction. Field experience indicates that this product has been satisfactorily mixed with captan, carbaryl, diazinon, dodine, azinphos methyl, dicofol, malathion, parathion, pyrethroids, thiram and zineb. Because uniform dispersibility and sprayability may be influenced by pesticide combinations used, it is recommended that compatibility be determined before adding pesticides to the spray tank.

In a pint or quart jar, mix products and water proportionate to the intended tank mix. If there is any separation, we recommend that the combination not be used. The addition of a non-ionic, general purpose spreader-activator will usually eliminate any incompatibility noted.

For proper mixing, spray tank should be at least three-fourths filled with water before adding this product. Add tank mixing products in the following order: watersoluble bags, wettable powders, dry flowables, liquid flowables, emulsifiable concentrates, and other soluble materials such as fertilizers. When tank mixing, allow water-soluble bags and soluble fertilizers to dissolve first before adding this product. Mechanical agitation or recirculation through pump bypass to tank is usually sufficient for maintaining a good dispersion. 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. Spray tank mixes of this control with alkaline insecticides, fungicides, miticides and fertilizers should be and promptly; however, alkaline materials such as Bordeaux mixture and lime should not be used. Tank mixing must be done in accordance with the more (most) restrictive of label limitations and use precautions for all products to be mixed. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibiting such mixing.

PHYTOTOXICITY STATEMENT: As is common with most emulsifiable concentrate formulations, adverse effects such as spotting or discoloration of the fruit or foliage can occur. Some conditions known to contribute to phytotoxicity include, but are not limited to: high temperatures, poor spray drying conditions, excessive spray deposit or runoff, certain spray mixtures, stage of crop development or tank mixes with other pesticides.

RESISTANCE MANAGEMENT: Based on historical use patterns in some areas, certain pest species listed on this label may have developed resistance to this product. Consult your local agricultural advisor, state cooperative extension service or regional company representative for recommendations.

ODOR: Dimethoate formulations may produce a distinctive odor during the spray operation, but under normal conditions this odor does not persist.

METHODS OF APPLICATION

This product is intended for use in conventional hydraulic sprayers, ground applicators or aerial sprayers. Do not apply when weather conditions favor drift of spray from treated areas. Repeat applications as necessary unless otherwise specified. Consult your State Experiment Station or State Extension Service for proper timing of application.

The use of a drift retardant agent cleared for food use is recommended when applying this product by air or ground.

<u>Dilute Application</u> – Ground Application For Field and Vegetable Crops: Apply specified rate in 20 to 60 gallons of water per acre unless otherwise stated. <u>Concentrate Application</u> – Ground Application: Apply specified rate in not less than 5 gallons of water per acre unless otherwise stated.

<u>Orchard Application</u> – Apply equivalent per acre rates in 20 to 100 gallons of water per acre unless otherwise stated. Special concentrate equipment is necessary for these uses.

<u>High Pressure Handwand Equipment</u> – When applications are made by high pressure handwand equipment, the maximum application rate for all crops and use patterns is 0.0025 pound active ingredient (0.08 fl. oz. of this product) per gallon.

<u>Air Application</u> – Unless otherwise stated, apply at least one gallon of finished spray per acre; apply at least 5 gallons of finished spray per acre in CA. Orchard rates use equivalent per acre rate in not less than 10 gallons of water per acre. Do not use air application on Pecans.

Automatic flagging devices should be used whenever feasible.

REQUIREMENTS FOR REDUCING SPRAY DRIFT

Do not apply under circumstances where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur.

Use the largest droplet size consistent with acceptable efficacy. Formation
of very small droplets may be minimized by appropriate nozzle selection, by
orienting nozzles away from the air stream as much as possible, and by
avoiding excessive spray boom pressure.

For groundboom and aerial applications, use medium or coarser spray nozzles according to ASAE 572 definition for standard nozzles or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles.

- 2. Make aerial or ground applications when the wind velocity favors on-target product deposition. Apply only when the wind speed is less than or equal to 10 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.
- 3. Do not make aerial or ground applications into areas of temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.
- 4. Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.
- All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
- For groundboom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy.
- For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.
- 8. For aerial applications, release spray at the lowest height consistent with efficacy and flight safety. If the application includes an aquatic buffer zone, do not release spray at a height greater than 10 feet above the ground or crop canopy.
- 9. For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 90% of rotor blade diameter. Use upwind swath displacement.

CHEMIGATION

Apply this product only through sprinkler. incluid ______ center pivot. lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move, flood (basin). furrow. border or drip (trickle) irrigation system(s). 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 State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse system) 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 its operation or under the supervision of the responsible person shall shut the system down and make necessary adjustments should the need arise.

Mix, in a clean supply tank, the recommended amount of this product and any tank mixing products per acreage to be covered and needed quantity of water. 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 use precautions for crop being treated. Continuous mild agitation of pesticide mixture may be needed to assure uniform application, particularly if the supply tank requires a number of hours to empty.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Note: Drexel Chemical Company 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 options before electing 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 the 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 the 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 shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. 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.

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 backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. Do not apply when wind speed favors drift beyond the area intended for treatment.

FLOOD (BASIN), FURROW AND BORDER CHEMIGATION (SOIL DRENCH USE)

Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops. Allow sufficient time for pesticide to be flushed through all lines before turning off irrigation water. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements: a) The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. b) The pes-

ain a functional, automatic, quick-closing check ticide injection pipeline mus valve to prevent the flow oil , back toward the injection pump. c) The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. d) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. e) 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. f) 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.

NUT CROPS

Сгор	Pest Controlled	Rate per Acre	PHI (Days)
Pecans	Aphids, Mites, Leafhoppers	0.66 pt.	21
(REI = 48 hours)	SPECIFIC DIRECTIONS: Do not use air application.		
	Do not graze livestock in treated groves.		
USE RESTRICTIONS: Do not apply more than 0.33 lb. a.i. (0.66 pt. of this product) per acre per application. Do not apply more than 0.33 lb. a.i. (0.66 pt. of this product) per acre per year.			

FRUIT CROPS

Crop	Pest Controlled	Rate	PHI (Days)
Cherries	Aphids,	Dilute Application: 0.5	21
(Preharvest) -	Cherry fruit	to 1 pt. in a minimum of	
ID, MT, OR, UT	flies, Mites	100 gats. of water.	
and WA only		Concentrate Application:	
(REI = 10 days)*		2 pts. in a minimum of 50	
(gallons of water per acre.	
	SPECIFIC DIR	ECTIONS: Use the higher ap	plication
		t pest population is high. On	
		cherries, use 2 pts, per acre.	
		taken when using concentra	
		arking and injury on sensitive	
		r species). Make an application	
	days of adult fly	emergence in the area. This	applica-
		nade in late May or early Jun	
	fruits are small	in size. Do not apply when tr	ees or sub-
	stantial number	s of weeds in the treatment a	irea are in
		raze livestock in treated orch	
USE RESTRICTIO	NS: Do not apply	more than 1.33 lbs. a.i. (2.6	6 pts. of
this product) per ac	re per application	n. Do not apply more than 1.3	3 lbs. a.i.
(2.66 pts. of this pro			
*The REI is 10 days	s, however, the R	El is increased to 14 days in	outdoor
		nfall is less than 25 inches pe	
Cherries	Aphids,	Dilute Application: 0.5	
(Postharvest) -	Cherry fruit	to 1 pt. in a minimum of	
ID, MT, OR, UT	flies, Mites	100 gals. of water.	
and WA only		Concentrate Application:	
(REI = 10 days)*		2 pts. in a minimum of 50	1
		gallons of water per acre.	•
	SPECIFIC DIR	ECTIONS: Make an applicat	ion at a
		lays after final harvest or app	
		on is made not to harvest due	
		ght crop or unfavorable mark	
		results, make an application	
		os. Do not apply when trees of	
·		weeds in the treatment area	
		graze livestock in treated orcl	
		ication rate when insect pest	
	is high.		
USE RESTRICTIO	NS: Do not apply	more than 1.33 lbs. a.i. (2.6	6 pts. of
		n. Do not apply more than 1.3	
(2.66 pts, of this pr			
*The REI is 10 day	s, however, the F	El is increased to 14 days in	outdoor
areas where the av	rerage annual rai	nfall is less than 25 inches pe	er year.
Grapefruit,	Aphids, Mites	Ground Application:	15
Kumquats,	(except Rust),	0,5 to 1 pt. in 50 to 100	
Lemons, Limes,	Psyllid,	gals, of water for dilute	
Oranges,	Thrips,	application. Apply as a	
Pummelos,	Whiteflies	thorough distribution cov-	·
Tangelos,		erage spray.	
Tangerines	1	Concentrate Application	
(REI = 10 days)*		(Mist): Apply 2 pts. per	1
() ()		acre in sufficient water to	
	ļ	provide full coverage of	
	1	foliage.	
		Air Application: Apply 2	
i	1		1
	1	1 pts, per acre in 5 to 10	1
		pts. per acre in 5 to 10 gals. of water.	

DIMETHOATE 4EC Page 3 of 9

FRUIT CROPS

1	FRUIT CROPS		([†]	
	Crop	Pest Controlled	Rate	PHI (Days)
	Grapefruit, Kumquats, Lemons, Limes, Oranges, Pummelos,	rate if infestation Do not apply w	ECTIONS: Use the higher ap on is heavy or if orchard folia, hen trees or substantial num rchard are in bloom. Do not g d orchard	ge is dense. bers of
	Tangelos, Tangerines (REI = 10 days)* <i>Cont.</i>	Scales (except Black or Snow)	Ground Application: 0.5 to 1.5 pts. in 50 to 100 gals. for dilute application. Apply as a thorough distri- bution coverage spray. Concentrate Application	15
		· · · ·	(Mist): 2 pts. per acre in sufficient water to provide full coverage of foliage.	
		rate when inse liage is dense. numbers of we	ECTIONS: Use the higher a ct pest population is high or i Do not apply when trees or s eds in the orchard are in blo in treated orchards.	f orchard fo- substantial
	uct) per acre per ap product) per acre p	plication. Do no er year. Do not a	y more than 1 lb. a.i. (2 pts. o t apply more than 1 lb. (2 pts apply to Citrus seedlings. REI is increased to 14 days i	s. of this
	areas where the av	erage annual ra	infall is less than 25 inches p	er year.
	Citrus, Grapefruit,	Thrips	See "SPECIFIC DIRECTIONS"	15
	Lemons, Oranges, Tangerines – AZ Only (REI = 10 days)*	SPECIFIC DIRECTIONS: Use specified dosages of this product in the amount of water necessary to achieve adequate coverage of foliage. The type of equipment used will determine the concentration re- quired. Ground Application: Apply up to 2 lbs. of active ingre- dient (4 pts. of this product) in not less than 20 gals. of		
		days of last ap Use of dimetho in any given or open bloom un 75% petal fall of tions of dimeth time between 1 sunrise when a vail: 1) Before treated has op represent less in the orchard, are less than 2 chard to be tre of February 15 All applications mented on For advisor, farm o quired for cust private applica <i>Report</i> " sectior	. Do not enter treated groves plication. bate is prohibited during any chard from when that orchar til such time as there has be on the north side of the trees oate shall be limited to that p I hour after sunset to 3 hours any one of the following cond the onset of petal fall, the ord en bloom present and these than 10% of the total anticip 2) After the initiation of petal 5% of open bloom remaining ated. 3) It is between the cal th and May 1st. s of dimethoate on Citrus mu m 1080, written either by a p wmer or farm manager, as is om applications of pesticides tors may omit the " <i>Pesticide</i> n. The description of the state to be treated as it was at the	time of day d is 10% en at least . Applica- beriod of s before litions pre- chard to be open bloom ated bloom I fall, there g in the or- endar dates st be docu- best control normally re- s, except that <i>Application</i> us of bloom
	USE RESTRICTIO *The REI is 10 day areas where the av	application sha Restrictions/Sp tom applicators ment's Phoenic Form 1080, do Form 1080 sha following the w except when h NS: DO NOT a s, however, the l	all be indicated in the section becial Instructions". Both priv s shall mail to the Agriculture x office, the original of each of ne in accordance with this la all be postmarked not later the reek in which the application olidays intervene.	for "Label ate and cus- Depart- completed bel. Each an Monday was made, n outdoor

FRUIT CROPS

1

Сгор	Pest Controlled	Rate	PHI (Days)
Citrus – AZ &	Aphids, Thrips	Foliar Spray: 1 pt. per	
CA: Non-bearing		100 gals. of water. Apply	
and Nursery		as necessary. May be ap-	
tock		plied in the year trees	
REI = 10 days)*		begin to bear fruit.	
		Soil Drench (Trees 1 to	
		3 years old): 1 pt. per	
		acre. Apply in the furrow	
		or basin around the base	
		•. •••••	
		of the tree. Apply when	
		insect injury to new	
		growth appears. Do not	
		apply to trees that will	
		bear fruit within 1 year.	
	SPECIFIC DIRE	CTIONS: Do not apply when	n trees or
		bers of weeds in the orchard	
		raze livestock in treated orch	
	•		
		more than 1 lb. a.i. (2 pts. c	
		t apply more than 1 lb. (2 pts	. of this
product) per acre	per year. DO NOT	apply by air.	
The REI is 10 day	s, however, the F	REI is increased to 14 days ir	outdoor
areas where the a	verage annual rai	nfall is less than 25 inches p	er year.
Pears	Aphids,	Ground Application: 0.5	28
REI = 10 days)*	Leafhoppers,	to 1 pt. for dilute applica-	20
REI - 10 days)			
	Mites (except	tion. Apply as a thorough	
	Rust), Pear	distribution coverage	
	psyllas	spray.	
	Ĩ	Concentrate Application	
		(Mist): 1 to 2 pts. per	
		acre in sufficient water to	
		provide full coverage of	
		foliage.	1
		, v	
		Air Application: 1 to 2	
		pts. per acre in 5 to 10	
		gals. of water.	l
	SPECIFIC DIR	ECTIONS: Use the higher ra	te if insect
	pest population	is high or if orchard foliage i	s dense. Do
		trees or substantial numbers	
		re in bloom. Do not graze liv	
	treated orchard		
			f 41-1
		y more than 1 lb. a.i. (2 pts. o	
		t apply more than 1 lb. a.i. (2	pts. of this
product) per acre			
		REI is increased to 14 days in	
areas where the a	verage annual ra	infall is less than 25 inches p	er year.
Pears -	Aphids,	0.5 to 1 pt. per	
Non-bearing	Leafhoppers,	100 gais. of water	
(REI = 10 days)*	Mites (except	i de gale. el mater	
(itel = ite days)			1
	Rust), Pear		1
	psyllas		
	SPECIFIC DIR	ECTIONS: Use the higher a	pplication
		population is high. Do not gr	
		orchards. Do not apply whe	
		nbers of weeds in the orchard	a (grove)
	are in bloom.		
		y more than 1 lb. a.i. (2 pts. o	
uct) per acre per a	application. Do no	t apply more than 1 lb. a.i. (2	pts. of this
· · · · · · · · · · · · · · · · · · ·	ner vear	•	
product) per acre	μει γεαι.		
		REI is increased to 14 days i	n outdoor
The RÉI is 10 da	ys, however, the l	REI is increased to 14 days in infall is less than 25 inches p	

VEGETABLE CROPS

Asparagus – Except AZ & CA		Acre	(Days)
REI = 48 hours)	Aphids, Asparagus beetles SPECIFIC DIRECTIONS: Apply vest at no less than 14-day inter mum of 2 pts. per acre per year, than 180 days before harvest.	vals, up to Do not ap	a maxi- ply less
	Do not apply more than 0.5 lb. a ication. Do not apply more than 1 year.		
Beans including Fresh, Lima, Snap and Dry beans (excludes Cowpeas) (REI = 48 hours)	Aphids, Bean leaf beetles, Grasshoppers, Leafhoppers, Leafminers, Lygus bugs, Mex- ican bean beetles, Mites	0.5 to 1 pt.	0
	SPECIFIC DIRECTIONS: Do no vines. Do not apply if bees are v be treated when crops or weeds	visiting the a	area to
uct) per acre per appl	Do not apply more than 0.5 lb. a ication. Do not apply more than 1 year. Retreatment interval is 14 da	lb. a.i. (2 pl	
Broccoli, Cauliflower (REI = 48 hours)*	Aphids	0.5 to 1 pt.	7
uct) per acre per appl this product) per acre *The REI is 48 hours,	Do not apply more than 0.5 lb. a ication. Do not apply more than 1. per year. Retreatment interval is however, the REI is increased to age annual rainfall is less than 25	5 lbs. a.i. (3 7 days. 72 hours in	3 pts. of outdoor
Brussels sprouts – CA Only (REI = 48 hours)*	Aphids SPECIFIC DIRECTIONS: Apply gals of water per acre by ground day intervals. Do not graze lives fields. Do not apply by air.	1 pt. in a minim 1 equipmen	10 um of 50 It at 7-
*The REI is 48 hours,	per year. Retreatment interval is in however, the REI is increased to age annual rainfall is less than 25 Carmine mites, Leafminers, Twospotted spider mites	72 hours in	outdoor year. 7
USE RESTRICTIONS uct) per acre per appl	 Do not apply more than 0.5 lb. a ication. Do not apply more than 1. per year. Retreatment interval is if 	5 lbs. a.i. (
Endive (Escarole), Leaf lettuce, Swiss chard (REI = 48 hours)	Aphids, Leafhoppers, Leafminers	0.5 pt.	14
USE RESTRICTIONS product) per acre per pts. of this product) p	Do not apply more than 0.25 lb. application. Do not apply more that er acre per year. Retreatment inte	an 0.75 lb.	a.i. (1.5
Garbanzo beans (REI = 48 hours)	Aphids, Grasshoppers, Leafhoppers, Leafminers, Lygus bugs, Mites SPECIFIC DIRECTIONS: Do n		
USE RESTRICTIONS	vines. Do not apply if bees are when crops or weeds be treated when crops or weeds Do not apply more than 0.5 lb. a lication. Do not apply more than 1	are in bloo a.i. (1 pt. of	om. this prod-
	year. Retreatment interval is 14 d Aphids, Leafhoppers,		14
greens (REI = 48 hours)	Leafminers SPECIFIC DIRECTIONS: Apply gais of water per acre by ground	in a minim d equipmer	nt at 7-
	day intervals. Do not graze lives fields. Do not apply by air.		1100

VEGETABLE CROPS (

		Rate	
Сгор	Pest	per	PHI
F	Controlled	Acre	(Days)
Lentils	Aphids	0.33 to	14
(REI = 48 hours)	Aprillas	1 pt.	
(ILEI - Ho Hould)	SPECIFIC DIRECTIONS: Do no		370
	treated plants. Do not apply if be		
	areas to be treated when crops		
	bloom.		
		1 pt.	14
	Lygus bugs		
	SPECIFIC DIRECTIONS: Do no		
	treated plants. Do not apply if be		
	areas to be treated when crops	or weeus a	
HOT DECEDICTION	bloom. S: Do not apply more than 0.5 lb.	ai (1 pt of	Ethic prod
USE RESTRICTION	lication. Do not apply more than 1	ал. (пр.: 0 lb. э.i /2 г	te of this
	year. Retreatment interval is 7 da		
		·	
Lentils - WA Only	Aphids, Lygus bugs	0.25 to	14
(REI = 48 hours)		1 pt.	
	SPECIFIC DIRECTIONS: Apply		
	appear. Repeat as needed. Do	not feed or	graze hay
	or treated vines.		
	Note: CHEMIGATION - Do not	apply throu	igh any
	type of irrigation system.		
	S: Do not apply more than 0.5 lb.		
uct) per acre per app	lication. Do not apply more than 1	lb. a.i. (2 p	ots. of this
product) per acre per	year. Retreatment interval is 7 da	ays.	
Melons - Except	Aphids, Leafhoppers,	1 pt.	3
Watermelons	Leafminers, Maggots, Thrips		
(REI = 48 hours)			1
	S: Do not apply more than 0.5 lb.	a.i. (1 pt. o	f this prod-
	lication. Do not apply more than 1		
	year. Retreatment interval is 7 da		
Peas	Aphids	0.3 pt.	0
(REI = 48 hours)			· · · · · · · · · · · · · · · · · · ·
	SPECIFIC DIRECTIONS: Do no		
	within 21 days after last applica		
	viner is used. Do not feed or gra		
	viner is used. Do not make mor	•	
	per growing season. Do not app		
	the areas to be treated when cr		
	bloom. Do not apply more than this product) per acre per applic		
	more than 0.16 lb. a.i. (0.3 pt. o		
	acre per year. Not for use on Fi		ici) pei
	For Dry Peas in ID, OR, and V		
	CHEMIGATION - Do not apply		v type of
	irrigation system.	anoughan	y type of
	This product is highly toxic to be		d to direct
	treatment or residues on bloom		
	Do not apply this product to blo		
	peas. Apply as a prebloom or p		
			0
	Lygus bugs SPECIFIC DIRECTIONS: Do no	0.3 pt.	· · · · · · · · · · · · · · · · · · ·
	-		
	within 21 days after last applica viner is used. Do not feed or gra		
	viner is used. Do not reed or gra		
	per growing season. Do not ap		
	the areas to be treated when cr		
	bloom. Do not apply more than		
	this product) per acre per appli		
	more than 0.16 lb. a.i. (0.3 pt. o		
	acre per year. Not for use on Fi		
Suppulant Dram			
Succulent Peas –	Aphids	0.33 pt.	0
iD, OR and WA		0.5 to	0
only (REL = 48 hours)		0.66 pt.	l
(REI = 48 hours)	SPECIFIC DIRECTIONS: Apply		
	volume of not less than 5 gals.		
	ground or air application. Do no		
	pt. of this product) per acre per		
	7 days between applications. D		
	on cover crops in treated areas		(Continued)

VEGETABLE CROPS

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Сгор	Pest Controlled	Rate per Acre	PHI (Days)
	Note: CHEMIGATION – Do not apply through any type of irrigation system. This product is highly toxic to bees exposed to di- rect treatment or residues on blooming crops or		
	weeds. Do not apply this product trian Winter peas. Apply as a pro- bloom spray only. Not for use or	t to bloomi ebloom or p	ng Aus- bost-
Succulent Peas	Aphids, Leafminers, Thrips	0.33 pt.	0
(with pod) – CA Only (REI = 48 hours)	SPECIFIC DIRECTIONS: Multip be made at 14-day intervals. Do a.i. (1 pt. of this product) per acr not make more than 3 application son. Not for use on Field peas.	not excee re per seas	d 0.5 lb. on. Do
Peppers (REI = 48 hours)	Aphids, Leafminers, Maggots	0.5 to 0.66 pt	0
product) per acre per a	: Do not apply more than 0.33 lb. application. Do not apply more tha acre per year. Retreatment inte	an 1.65 lbs	. a.i. (3.3
Potatoes (REI = 48 hours)	Aphids, Grasshopper, Leafhoppers, Leafminers	0.5 to 1 pt.	0
uct) per acre per appli	: Do not apply more than 0.5 lb. a cation. Do not apply more than 1 year. Retreatment interval is 7 da	lb. a.i. (2 p	
Tomatoes (REI = 48 hours)	Aphids, Leafhoppers, Leafminers	0.5 to 1 pt.	7
USE RESTRICTIONS uct) per acre per appli product) per acre per	: Do not apply more than 0.5 lb. a cation. Do not apply more than 1 year. Retreatment interval is 6 da	a.i. (1 pt. of lb. a.i. (2 p ys.	
Turnips – Greens, Roots (REI = 48 hours)	Aphids, Leafhoppers, Leafminers	0.5 pt.	14
USE RESTRICTIONS: Do not apply more than 0.25 lb. a.i. (0.5 pt. of this product per acre per application. Do not apply more than 1.75 lbs. a.i. (3.5 pts. of this product) per acre per year. Retreatment interval is 72 hours.			
Watermelons (REI = 48 hours)	Aphids, Leafhoppers, Leafminers, Maggots, Thrips	0.5 to 1 pt.	3
USE RESTRICTIONS: Do not apply more than 0.5 lb. a.i. (1 pt. of this prod- uct) per acre per application. Do not apply more than 1 lb. a.i. (2 pts. of this product) per acre per year. Retreatment interval is 7 days.			

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FIELD CROPS

Where a range of application rates is recommended, apply the higher rate when pest population is high.

Сгор	Pest Controlled	Rate per Acre	PHI (Days)
Alfalfa, Sainfoin (REI = 48 hours)	Aphids, Grasshoppers, Leafhoppers, Plant bugs (including Lygus), reduction of Alfalfa weevil larvae	0.5 to - 1 pt.	10
	SPECIFIC DIRECTIONS: Do not days of harvest or pasturing. Ma tion per crop cycle or cutting. Ef ting to which applied. Do not ap visiting the area to be treated w are in bloom.	ake only 1 a fective only ply if bees :	ipplica- on cut- are
	: Do not apply more than 0.5 lb. a cation. Do not apply more than 0. e or cutting.		
Cotton – AZ and CA Only (REI = 48 hours)	Black fleahoppers, Leafhop- pers, Plant bugs (including Lygus), Thrips	0.5 to 1 pt.	14
	SPECIFIC DIRECTIONS: Do no age or graze livestock in treated		ted for-
uct) per acre per appli	Do not apply more than 0.5 lb. a cation. Do not apply more than 1 season. Retreatment interval is 1	lb. a.i. (2 p	
Cotton – Except AZ and CA	Aphids, Fleahoppers, Mites, Plant bugs, Thrips	0.25 to 1 pt.	14
(REI = 48 hours)	SPECIFIC DIRECTIONS: When water is used for dilution, repeat applications should not be made at intervals closer than 14 days. When refined veg- etable oil is used for dilution, repeat applications should not be made at intervals closer than 40 days. Do not feed treated forage or graze livestock on treated fields.		
		(Continued)

FIELD CROPS

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	Pest Controlled	Rate per Acre	PHI (Days)
Cotton – Except AZ and CA	Lygus bugs SPECIFIC DIRECTIONS: When lution, repeat applications should		
	tervals closer than 14 days. Whe oil is used for dilution, PHI is 40 treated forage or graze livestock S: Do not apply more than 0.5 lb.	en refined v days. Do n on treated	regetable ot feed fields.
uct) per acre per app product) per acre per	lication. Do not apply more than a season. Retreatment interval is	l lb. a.i. (2) 14 days.	ots. of this
Com – Field, Pop (REI = 48 hours)	Aphids, Banks grass mites (except Trans Pecos area of TX), Bean beetles, Corn root- worms (adults), Fleahoppers,	0.66 to 1 pt.	28 (Grain) 14
	Thrips, Two-spotted spider mites SPECIFIC DIRECTIONS: Apply	220200.20	(Forage)
	feed or graze within 14 days of I not apply to Corn during the pol bees are visiting the area. Grou Apply above rate in 20 to 40 gal Air Application: Apply above ra of water per acre.	ast applica len-shed pe nd Applica s. of water	tion. Do priod if ation: per acre.
-	Grasshoppers	1 pt.	28 (Grain)
			14 (Forage)
	SPECIFIC DIRECTIONS: Grou Apply above rates in 20 to 40 gr Air Application: Apply above rr of water. Do not apply to Corn o period if bees are visiting the ar graze within 14 days of last app	als. of wate ate in 1 or r luring the p ea. Do not	r per acre. nore gals. ollen-shed
	tasks for 4 days in nonarid areas the average annual rainfall is les Aphids, Leafhoppers, Plant		
		1	14
CA Only (REI = 48 hours) USE RESTRICTION uct) per acre per app	bugs (including Lygus), Thrips S: Do not apply more than 0.5 lb lication. Do not apply more than	1 pt.	of this prod-
CA Only (REI = 48 hours) USE RESTRICTION uct) per acre per app product) per acre pe Sorghum (Milo)	bugs (including Lygus), Thrips S: Do not apply more than 0.5 lb lication. Do not apply more than	1 pt. . a.i. (1 pt. c 0.5 lb. a.i. (0.5 to	of this prod-
CA Only (REI = 48 hours) USE RESTRICTION uct) per acre per app product) per acre pe Sorghum (Milo)	bugs (including Lygus), Thrips S : Do not apply more than 0.5 lb lication. Do not apply more than r year.	1 pt. a.i. (1 pt. c 0.5 lb. a.i. (0.5 to 1 pt. Ind Applic: als. of wate ates in 1 or eed or graz	of this prod- 1 pt. of this 28 ation: rr per acre. more gal- e Milo
CA Only (REI = 48 hours) USE RESTRICTION uct) per acre per app product) per acre pe Sorghum (Milo)	bugs (including Lygus), Thrips S : Do not apply more than 0.5 lb lication. Do not apply more than r year. Aphids (Green bugs) SPECIFIC DIRECTIONS: Grou Apply above rates in 25 to 40 g Air Application: Apply above r lons of water per acre. Do not fr within 28 days of last applicatio	1 pt. a.i. (1 pt. c 0.5 lb. a.i. (0.5 to 1 pt. Ind Applic: als. of wate ates in 1 or eed or graz	of this prod- 1 pt. of this 28 ation: rr per acre. more gal- e Milo
CA Only (REI = 48 hours) USE RESTRICTION uct) per acre per app product) per acre pe Sorghum (Milo)	bugs (including Lygus), Thrips S: Do not apply more than 0.5 lb lication. Do not apply more than ryear. Aphids (Green bugs) SPECIFIC DIRECTIONS: Grou Apply above rates in 25 to 40 g Air Application: Apply above r lons of water per acre. Do not f within 28 days of last applicatio the pollen-shed period. Grasshoppers, Mites (includ- ing Banks grass mites [ex- cluding Trans Pecos area of	1 pt. a.i. (1 pt. c 0.5 lb. a.i. (0.5 lb. a.i. (1 pt. ind Applic: als. of wate als. of wate als. of wate als. of wate ates in 1 or peed or graz	28 ation: more gal- e Milo pply during 28 ation: er per acre. more gal- er per acre. more gal- er per acre. more gal-
CA Only (REI = 48 hours) USE RESTRICTION uct) per acre per app product) per acre pe Sorghum (Milo)	bugs (including Lygus), Thrips S: Do not apply more than 0.5 lb lication. Do not apply more than ryear. Aphids (Green bugs) SPECIFIC DIRECTIONS: Grou Apply above rates in 25 to 40 g Air Application: Apply above r lons of water per acre. Do not fr within 28 days of last applicatio the pollen-shed period. Grasshoppers, Mites (includ- ing Banks grass mites [ex- cluding Trans Pecos area of TX]), Twospotted spider mites SPECIFIC DIRECTIONS: Grou Apply above rates in 25 to 40 g Air Application: Apply abover lons of water per acre. Do not fr within 28 days of last applicatio the pollen-shed period. Sorghum midge	1 pt. a.i. (1 pt. c 0.5 lb. a.i. (1 pt. ind Applic: als. of wate ates in 1 or eed or graz n. Do not a 1 pt. ind Applic: als. of wate ates in 1 or eed or graz n. Do not a 0.25.to 0.5 pt.	of this prod- 1 pt. of this 28 ation: r per acre. more gal- e Milo pply during 28 ation: r per acre. more gal- e Milo pply during 28 28
CA Only (REI = 48 hours) USE RESTRICTION	bugs (including Lygus), Thrips S: Do not apply more than 0.5 lb lication. Do not apply more than ryear. Aphids (Green bugs) SPECIFIC DIRECTIONS: Grou Apply above rates in 25 to 40 g Air Application: Apply above r lons of water per acre. Do not f within 28 days of last applicatio the pollen-shed period. Grasshoppers, Mites (includ- ing Banks grass mites [ex- cluding Trans Pecos area of TX]), Twospotted spider mites SPECIFIC DIRECTIONS: Grou Apply above rates in 25 to 40 g Air Application: Apply above r lons of water per acre. Do not f within 28 days of last applicatio the pollen-shed period.	1 pt. a.i. (1 pt. c) 0.5 lb. a.i. (0.5 lb. a.i. (1 pt. ind Applic: als. of wate ates in 1 or bed or graz n. Do not a 1 pt. ind Applic: als. of wate ates in 1 or bed or graz n. Do not a 0.25 to 0.5 pt. als. of wate ates in 1 or bed or graz als. of wate ates in 1 or bed or graz	of this prod- 1 pt. of this 28 ation: rr per acre. more gal- e Milo pply during 28 ation: rr per acre. more gal- te Milo pply during 28 ation: re per acre. more gal- te Milo pply during 28 ation: re per acre. more gal- te Milo pply during 28 ation: re more gal- te Milo pply during 28 ation: re per acre. more gal- te Milo pply during 28 ation: re per acre. more gal- te Milo pply during 28 ation: re per acre. more gal- te Milo pply during ation: re per acre. more gal- te Milo pply during ation: re per acre. more gal- te Milo
CA Only (REI = 48 hours) USE RESTRICTION uct) per acre per app product) per acre pe Sorghum (Milo) (REI = 48 hours) USE RESTRICTION uct) per acre per app	bugs (including Lygus), Thrips S: Do not apply more than 0.5 lb lication. Do not apply more than ryear. Aphids (Green bugs) SPECIFIC DIRECTIONS: Grou Apply above rates in 25 to 40 g Air Application: Apply above r lons of water per acre. Do not f within 28 days of last application the pollen-shed period. Grasshoppers, Mites (includ- ing Banks grass mites [ex- cluding Trans Pecos area of TX]), Twospotted spider mites SPECIFIC DIRECTIONS: Grou Apply above rates in 25 to 40 g Air Application: Apply abover lons of water per acre. Do not f within 28 days of last application the pollen-shed period. Sorghum midge SPECIFIC DIRECTIONS: Grou Apply above rates in 25 to 40 g Air Application: Apply abover lons of water per acre. Do not f within 28 days of last application the pollen-shed period. Sorghum midge	1 pt. a.i. (1 pt. c 0.5 lb. a.i. (0.5 lb. a.i. (1 pt. als. of wate ates in 1 or aed or graz n. Do not a 1 pt. als. of wate ates in 1 or aed or graz n. Do not a 0.25 to 0.5 pt. als. of wate ates in 1 or aed or graz n. Do not a 0.25 to 0.5 pt. als. of wate ates in 1 or aed or graz n. Do not a 0.25 to 0.5 pt. als. of wate ates in 1 or aed or graz n. Do not a 0.25 to 0.5 pt. als. of wate ates in 1 or aed or graz n. Do not a 0.25 to 0.5 pt. als. of wate ates in 1 or aed or graz n. Do not a	of this prod- 1 pt. of this 28 ation: r per acre. more gal- e Milo pply during 28 ation: er per acre. more gal- te Milo pply during 28 ation: er per acre. more gal- te Milo pply during 28 ation: er per acre. more gal- te Milo pply during 28 ation: of this prod

FIELD CROPS

Сгор	Pest Controlled	Rate per Acre	PHI (Days)
Soybeans (REI = 48 hours)	Alfalfa loopers, Aphids, Bean leaf beetles, Leafhoppers, Méxican bean beetles, Spider mites, Threecornered alfalfa hoppers	1 pt.	21
	SPECIFIC DIRECTIONS: Ground J above rate in 25 to 40 gals. of wate plication: Apply above rate in a min water per acre. Do not feed or graz- last application.	r per acre. himum of 1	Air Ap- gal. of
	Grasshoppers	1 pt.,	21
above rate in 25 to 40 gals. of water per acre. Air Application: Apply above rate in 1 or more gals. of water per acre. Do not feed or graze within 5 days of last application. USE RESTRICTIONS: Do not apply more than 0.5 lb. a.i. (1 pt. of this prod- uct) per acre per application. Do not apply more than 1 lb. a.i. (2 pts. of this product) per acre per year. Retreatment interval is 7 days.			
Triticale, Wheat (REI = 48 hours)	Aphids, (Greenbugs), Wheat midges	0.5 to 0.75 pt.	35
	SPECIFIC DIRECTIONS: Do not ap of grazing immature plants.		14 days
	Brown wheat mites	0.33 to 0.5 pt.	35
	SPECIFIC DIRECTIONS: Do not ap of grazing immature plants.	pply within	14 days
	Grasshoppers SPECIFIC DIRECTIONS: Do not aj of grazing immature plants.		

USE RESTRICTIONS: Do not apply more than 0.5 lb. a.i. (1 pt. of this product) per acre per application. Do not apply more than 0.5 lb. a.i. (1 pt. of this product) per acre per year.

SEED CROPS

Apply the higher rate when pest population is high.

Сгор	Pest Controlled	Rate per Acré	PHI (Days)
Alfalfa	Aphids, Grasshoppers,	0.5 to	10
(REI = 48 hours)	Leafhoppers, Lygus bugs, re- duction of Alfalfa weevil larvae	_ 1 pt.	
	SPECIFIC DIRECTIONS: Do no or weeds in the treatment area a feed or graze livestock in treated ings or stubble within 10 days of	are in bloon d crop, hay,	1. Do not thresh-
	: Do not apply more than 0.5 lb. a cycle or cutting. Maximum total ra pt. of this product).		
Grasses grown for seed – ID, OR or WA	Aphids, Plant bugs, Thrips, Winter grain mites	0.5 to 0.66 pt.	14
only (REI = 48 hours)			
uct) per acre per appli	Do not apply more than 0.5 lb. a cation. Do not apply more than 1 l year. Retreatment interval is 90 da	b. a.i. (2 pts	

ORNAMENTAL PLANTS GROWN IN OUTDOOR NURSERIES ONLY

Do not use this product on ornamental plants grown in greenhouses, Christmas tree and Conifer plantations, landscapes, interiorscapes and residential, public, recreational, commercial, industrial and institutional establishments.

This product is generally effective in controlling aphids, thrips, leafminers, scales, leafnoppers and mites. Make adequate spray when pests appear or when damage is first observed. Do not overdose or overspray. For proper timing of treatments for the control of specific pests on ornamental plants, consult your state agricultural experiment station or state agricultural extension service.

Do not use on ornamental plants not listed. Do not use on any ornamental stock plants grown as a source of propagation material, such as cuttings, layers, root stocks or scions for grafting or budding. Do not use in spray mixtures containing oil. Do not use on plants growing in greenhouses.

For ornamental shade and nursery trees to control aphids and elm leaf beetle, apply as a soil injection at the rate of one-half teaspoonful of product per inch of tree circumference measured at approximately 4.5 to 5 feet above ground level. Apply using a low-pressure injector to a 4- to 6-inch level below ground surface within the dripline of the tree. Water heavily after application. Application should be made once per growing season (twice per season for elm leaf beetles; once shortly after trees leaf out, ar the first shortly after the sh

IMPORTANT: When making soil injections, use a low pressure soil injection device. Always wear a full face shield, rubber gloves, long-sleeved shirt and rubber apron. DO NOT inject into soil areas where children or pets may dig or exhume treated soil.

USE RESTRICTIONS

FOR WOODY ORNAMENTALS AND CHRISTMAS TREE NURSERIES: Do not apply more than 1 lb. a.i. (2 pts. of this product) per acre per application. Do not apply more than 3 lbs. a.i. (6 pts. of this product) per acre per year. Retreatment interval is 14 days. When applications are made by high pressure handwand equipment, the maximum application rate for all crops and use patterns is 0.0025 lb. a.i. (0.08 fl. oz. of this product) per gallon. The REI is 10 days, however, the REI is increased to 14 days in outdoor areas where the average annual rainfall is less than 25 inches per year.

FOR HERBACEOUS ORNAMENTALS: Do not apply more than 0.25 lb. a.i. (0.5 pt. of this product) per acre per application. Do not apply more than 0.25 lb. a.i. (0.5 pt. of this product) per acre per year. The REI is 48 hours.

FOR CONIFER SEED ORCHARDS: Do not apply more than 1 lb. a.i. (2 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (2 pts. of this product) per acre per year. The REI is 48 hours, however, the REI is increased to 4 days in outdoor areas where the average annual rainfall is less than 25 inches per year.

Special Exception for Airblast Applications to Douglas Fir Seed Orchards in WA and OR only: Do not apply more than 4.15 lbs. a.i. (8.3 pts. of this product) per acre per application. Do not apply more than 4.15 lbs. a.i. (8.3 pts. of this product) per acre per year. If airblast applications are applied at a rate greater than 1. lb. a.i. per acre, the REI is 16 days, however, the REI is increased to 25 days in outdoor areas where the average annual rainfall is less than 25 inches per year.

FOR COTTONWOOD (grown for pulp): Do not apply more than 2 lbs. a.i. (4 pts. of this product) per acre per application. Do not apply more than 6 lbs. a.i. (12 pts. of this product) per acre per year. The REI is 14 days, however, the REI is increased to 24 days in outdoor areas where the average annual rainfall is less than 25 inches per year.

	Controlled	Rate of Application	
Arborvitae	Aphids, Bagworms, Mites	2 tsps. per gal. of water (3.5 fl. ozs. per 10 gals. water)	
Azaleas	Lace bugs, Leafminers, Mites, Tea scale, White- flies	1 tsp. per gal. water (1.75 fl. ozs. per 10 gals. water)	
Birch	Aphids, Leafminers	0.5 to 1 tsp. per gal. water (0.8 to 1.75 fl. ozs. per 10 gals. water)	
· .	SPECIFIC DIRECTIONS: For Leafminers, apply when leaves are expanded and repeat in 6 weeks. Use the higher rate of application when insect pest population is high.		
Boxwood	Leafminers, Mealybugs, Mites	1 tsp. per gal. of water (1.75 fl. ozs. per 10 gals. water)	
÷.,	SPECIFIC DIRECTIONS: For Leafminers, apply when leaves are expanded and repeat in 6 weeks. Use the higher rate of application when insect pest population is high.		
Camellias	Aphids, Camellia scale, Mites, Tea scale	Foliar Spray: 1 tsp. per gal. water (1.75 fl. ozs. per 10 gals. water) Soil Drench: 2 fl. ozs. in 1 gal. water	
	SPECIFIC DIRECTIONS: Using the Soil Drench method, use 2 fl. ozs. in 1 gallon of water for plants up to 6 inches tall. Increase rate proportionately for larger plants. Apply as a soil drench around the base of plants in early Spring.		
Carnations	Aphids, Mites, Thrips	Soil Drench: 2 fl. ozs. per 500 sq. ft. of bed or bench	
	SPECIFIC DIRECTIONS: Apply in sufficient water for even distribution. Water in thoroughly following application.		
Cedar	Mites	2 tsps. per gal water	

Plant	Pest	Rate of Application	
	Controlled		
Christmas trees	Bagworms, Balsam twig aphids, Blue aphids, Eu- ropean pine shoot moths, Mites, Nantucket pine tip moths, Zimmer- man pine moths	3 tsps. per gal. water (5.25 fl. ozs. per 10 gals. water)	
	SPECIFIC DIRECTIONS: Do not use on Japanese maples or Red leaf ornamental species.		
Cottonwood (Poplar)	Aphids, Bagworms, Leaf beetles	Foliar Spray: 2 fl. ozs. per 6 gals. water. Soli Injection: 0.08 fl. oz. per inch of tree circumference	
	SPECIFIC DIRECTIONS: Follar spray: Apply 2 ozs. per 6 gallons of water. Repeat on a 10-day interval, as necessary up to 4 sprays per year. Soil Injection: Apply at a rate of 0.08 oz. per inch of tree circumference measured approxi- mately 5 feet above ground level. Application should be made shortly after trees leaf out and again 6 to 8 weeks later, if necessary. Inject to a 4- to 6-inch level below ground surface. Number of injections should equal inches of tree circumference. Water heavily with at least two inches of water. Leaf beetle (Chemigation): Apply 1.33 to 4 pints pe acre through drip line. Application may be repeated two times. Refer to the Chemigation section for additional appli- cation information.		
Cypress	Bactra moth larvae SPECIFIC DIRECTIONS:	1 tsp. per gal. water (1.75 fl. ozs. per 10 gals. water) Apply as a drenching spray.	
Daylilies	Aphids, Thrips	2 tsps. per gal. water (3.5 fl. ozs. per 10 gals. water)	
Douglas fir	Fir cone midge 4 tsps. per gal. water (7 fl. ozs. per 10 gals. water) SPECIFIC DIRECTIONS: Make thorough coverage applica- tion when cones are closed and pendant. Use hydraulic or backpack sprayer.		
Fraser fir	Rosette bud mites	1 to 2 tsps. per gal. water (1.75 to 3.5 fl. ozs. per 10 gals. water)	
	SPECIFIC DIRECTIONS: Use a high pressure hydraulic sprayer with a handheid spray gun to thoroughly wet trunk and limbs on front and back of tree. Use the higher rate of application if insect pest population is high.		
Euonýmus	Aphids, Scales	1 to 2 tsps. per gal. water (1.75 to 3.5 fl. ozs. per 10 gals. water)	
	SPECIFIC DIRECTIONS: Use the higher rate of application if insect pest population is high.		
Ficus nitida	Thrips	1 tsp. per gal. water (1.75 fl. ozs. per 10 gals. water)	
Gardenias	Tea scale, Whiteflies	1 tsp. per gal. water (1.75 fl. ozs. per 10 gals. water)	
Gerberas	Thrips	1 tsp. per gal. of water (1.75 fl. ozs. per 10 gals. water)	
Gladiolus	Aphids, Thrips	1 tsp. per gal. of water (1.75 fl. ozs. per 10 gals. water)	
Hackberry	Hackberry budgall psyl- lid, Hackberry nipplegall psyllid	Soil Injection: 1 part to 3 parts dilution	
	SPECIFIC DIRECTIONS: Use a 1:3 dilution (1 part of this product to 3 parts water). Apply using a low-pressure injector. Inject 1 fl. oz. of the dilution 6 inches below ground for each one-half inch of trunk diameter. Make insertions within dripline of tree. Apply prior to bud break. Do not apply to plants that have not been established for at least 3 years.		
Hemlocks	Mites, Scales	1 tsp. per gal. of water (1.75 fl. ozs. per 10 gals. water) (Continued)	

Plant	Pest Controlled	Rate of Application	
Holly	Leafminers, Mites, Soft	1 tsp. per gal. of water	
(English & American, not	scale	(1.75 fl. ozs. per 10 gals. water)	
Burford variety)	SPECIFIC DIRECTIONS: F	· · · · · · · · · · · · · · · · ·	
	Spring when Leafminer flies first appear, or in early Summer, for control of larvae in infested leaves.		
Honeysuckle	Honeysuckle aphid	Soil Injection: 1 part to 3 parts dilution	
	this product for every 3 fl. oz low-pressure injector. Inject inches below ground for eac	1.25 fl. ozs. of the dilution 6	
Iris	Aphids, Iris borer, Thrips	2 tsps. per gal. water (3.5 fl. ozs. per 10 gals. water)	
	SPECIFIC DIRECTIONS: For borer control, spray when new leaves are 5 to 6 inches tall.		
Oak	Golden oak scale	2 tsps. per gal. water (3.5 fl. ozs. per 10 gals. water)	
Pines, Juniper	Aphids, Bagworms, Euro- pean pine shoot moth, Midges, Mites, Zimmer- man pine moth	2 tsps. per gal. water (3.5 fl. ozs. per 10 gals. water)	
	Lobiolly pine sawfly, Nantucket pine tip moth	3.5 tsps. per gal. water (6 fl. ozs. per 10 gals. water)	
Pinyon pine	Pinyon needle scale	2.5 tsps. per gal. water (4.3 fl. ozs. per 10 gals. water)	
Ň	SPECIFIC DIRECTIONS: Apply spray to egg masses at the base of the trees and to all rough bark and crotches that can be reached from the ground. Make this bark ap- plication when crawlers start to emerge from the eggs. Use hydraulic or backpack sprayer. Do not spray leaves or needles since phytotoxicity may result.		
	Pinyon "Pitch mass" borer, Pinyon spindle gall midge, Tip moth	Soil Injection: 1 part to 3 parts dilution	
	SPECIFIC DIRECTIONS: Use a 1:3 dilution (1 fl oz. of this product for every 3 fl. ozs. of water). Apply using a low-pressure injector. Inject 1.5 fl. ozs. of the dilution 6 inches below ground surface for each 1 inch of trunk di- ameter. Make insertions within dripline of tree. For Spin- dle gall midge and Tip moth, apply in mid- to late-Spring. For Pinyon borer, make application in early Summer.		
Poinsettia	Aphids, Mealybugs, Mites, Whiteflies	1 tsp. per gal. of water (1.75 fl. ozs. per 10 gals. water)	
Roses	Aphids, Leafhoppers, Thrips	1 tsp. per gal. of water (1.75 fl. ozs. per 10 gals. water)	
	SPECIFIC DIRECTIONS: Foliar Spray: Apply 2 sprays 6 weeks apart the first year followed by annual applica- tions soon after the first growth begins in the Spring. Soil Drench: Apply as a soil drench around the base of plants in early Spring at the rate of 2 tablespoons (1 fl. oz.) per gallon of water per plant.		
Taxus (upright or spreading	Fletcher scale, Mealy- bugs, Mites	2 tsps. per gal. water (3.5 fl. ozs. per	

STORAGE AND DÍ OSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Store in a cool, dry, well ventilated area. Avoid high temperatures. Do not store below 45°F.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative 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.

WARRANTY-COND NS OF SALE

OUR RECOMMENDATIONS: RUSE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. 10

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