



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

**EPA Reg. Number:**

19713-664

**Date of Issuance:**

9/24/15

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

**Term of Issuance:**

Conditional

**Name of Pesticide Product:**

Drexel Dimethoate LV-2.67

**Name and Address of Registrant (include ZIP Code):**

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

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

**Signature of Approving Official:**

Michael Walsh, Product Manager 11  
 Invertebrate & Vertebrate Branch 2, Registration Division  
 Registration Division (7505P)

**Date:**

9/24/15

2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:
  - a. Dimethoate GDCI-035001-874
  - b. Dimethoate EDSP-035001

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

[http://www.epa.gov/oppsrrd1/contacts\\_prd.htm](http://www.epa.gov/oppsrrd1/contacts_prd.htm)

3. The data requirements for Storage Stability and Corrosion Characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 19713-664.”
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 12/09/2014
- Alternate CSF 1 dated 12/09/2014

If you have any questions, please contact me by phone at (703) 308-2972, or via email at [walsh.michael@epa.gov](mailto:walsh.michael@epa.gov).

Enclosure

**ACCEPTED**  
 09/24/2015  
 Under the Federal Insecticide, Fungicide  
 and Rodenticide Act as amended, for the  
 pesticide registered under  
 EPA Reg. No. 19713-664

**GROUP 1B INSECTICIDE**



*Dimethoate LV-2.67*  
 Systemic Insecticide/Miticide

**ACTIVE INGREDIENT:**  
 Dimethoate..... 28.4%

**OTHER INGREDIENTS:**..... 71.6%

**TOTAL:** ..... 100.0%

This product contains 2.67 pounds of dimethoate per gallon.

**KEEP OUT OF REACH OF CHILDREN  
 CAUTION**

See **FIRST AID** Below

EPA Reg. No. 19713-AAU  
 EPA Est. No. 19713-XX-XXX

Net Content: \_\_\_\_\_

<b>FIRST AID</b>
<p><b>IF SWALLOWED:</b></p> <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<p><b>IF ON SKIN OR CLOTHING:</b></p> <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>IF INHALED:</b></p> <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>IF IN EYES:</b></p> <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.</p>
<p><b>NOTE TO PHYSICIAN:</b> Atropine is antidotal only if symptoms of cholinesterase inhibition are present. Pralidoxime chloride (2-PAM; PROTOPAM chloride) may be effective as an adjunct to atropine. CONTAINS AN ORGANOPHOSPHATE THAT INHIBITS CHOLINESTERASE. Treatment should be directed at the control of symptoms and clinical condition. Dimethoate is an organophosphate insecticide/miticide.</p>

664SP-0915\*P

## PRECAUTIONARY STATEMENTS

### Hazards To Humans and Domestic Animals

**CAUTION:** Harmful if swallowed, absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Mixers, loaders, applicators, flaggers, and other handlers must wear:** Long-sleeved shirt and long pants, shoes plus socks, goggles or face shield, chemical-resistant gloves made of barrier laminate or butyl rubber  $\geq$  14 mils, a NIOSH approved particulate respirator with an R or P filter with NIOSH approval number prefix TC-84A or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C 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 not 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 thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

This product is toxic to wildlife and aquatic invertebrates. This product is highly toxic to bees and other pollinators 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 or other pollinating insects are foraging in the treatment area.

Do not apply directly to water, or to areas where 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 ground-water 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/Internet/FSE\\_DOCUMENT/nrcs143\\_023819.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENT/nrcs143_023819.pdf)) will significantly reduce the potential for contamination of water from rainfall-runoff.

## **RESISTANCE MANAGEMENT**

### **GROUP 1B INSECTICIDE**

DIMETHOATE LV-2.67 contains a Group 1B insecticide or acaricide. Insect/mite biotypes with acquired resistance to Group 1B may eventually dominate the insect/mite population if Group 1B insecticides/acaricides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of these species by this product or other Group 1B.

To delay insecticide or acaricide resistance, consider:

- Avoiding the consecutive use of this product or other Group 1B insecticides/acaricides that have similar target site of action on the same insect/mite species.
- Using tank mixtures or premixes with insecticides/acaricides from a different target site action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide/acaricide use on a comprehensive IPM program.
- Monitoring treated insect/mite populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide/acaricide resistance management and/or IPM recommendations for specific site and resistant pest problems.

## **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.

**BEFORE USING, READ WARNING STATEMENTS ON CONTAINER LABEL.**

### **APPLICATION RESTRICTIONS**

This product is for use in commercial setting only. Use in residential settings is prohibited. Do not use on crops grown in greenhouses.

### 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 intervals (REI), and notification to 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 REI. REIs are found in the specific directions for each use site or crop.

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-sleeved 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.

### DIRECTIONS FOR DILUTION UNLESS OTHERWISE STATED

**Ground Application:** Apply specified rate in sufficient water for thorough coverage.

**Air Application:** Apply specified rate in 2 to 10 gallons of water unless otherwise specified. Repeat applications as necessary unless otherwise specified. Consult your State Experiment Station or State Extension Service for proper timing of applications.

**High Pressure Equipment:** 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 (0.1 fl. oz. of this product) per gallon.

### 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.

1. 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 of 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.
5. All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
6. For groundboom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy.
7. 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 INSTRUCTIONS

Apply this product only through one or more of the following types of systems: sprinkler including 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 or lack of effectiveness 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 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 its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**A. Center Pivot, Traveler, Bug Gun, Motorized Lateral Move, End Tow, and Side (Wheel) Roll Irrigation Equipment:** Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank or injection equipment with water. Operate system for one complete circle for center pivot or one complete run for the other recommended equipment, measuring time required, amount of water injected, and acreage contained in circle or run. Mix specified amount of product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run, but continue to operate irrigation system until the product has been cleared from last sprinkler head. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur.

**B. Solid Set and Hand Move Irrigation Equipment:** Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to insure that the product will remain in suspension during the injection cycle. This product will remain in suspension during the injection cycle. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until pesticide is cleared from last sprinkler head.

**C. Flood (Basin), Furrow and Border Chemigation (Soil Drench Uses):** Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank or injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to insure that the product will remain in suspension during the injection cycle. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. 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 back flow if water flow stops. Systems utilizing a pressurized water and pesticide injection system must meet the requirements listed in the section titled "SAFETY DEVICES" below.

**D. Drip (Trickle) Chemigation (Soil Drench Uses):** Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank or injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to insure that the product will remain in suspension during the injection cycle. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Systems must meet the requirements listed in the section titled "SAFETY DEVICES" below.

## **SAFETY DEVICES**

(1) The systems designated above 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. (2) All pesticide injection pipelines must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. (3) 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. (4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. (5) 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. (6) 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. (7) Do not apply when wind speed favors drift beyond the area intended for treatment.

## **SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS**

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 regular 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, back flow 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 flow 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.

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.

## **ORNAMENTALS (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, leaf miners, scales, leafhoppers 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, and once 6 to 8 weeks later). Some species such as River Birch, Prunus, Ornamental Cherry, Hawthorne, Japanese Lace Maple and Aspens may show



phytotoxic effects at label rates. DO NOT USE ON BEARING FRUIT TREES. DO NOT inject into soil areas where children or pets may dig or exhume treated soil.

See "**USE RESTRICTIONS**" below for maximum application rates, REIs and other restrictions for each use site.

<b>WOODY PLANTS</b>	<b>Pests Controlled</b>	<b>Amount Per 6 Gals. of Water*</b>
Arborvitae	Aphids, Bagworms, Mites	3 fl. ozs.
Azaleas (Outdoor Plants)	Lacebugs, Leafminers, Mites, Tea scales, Whiteflies	1.5 fl. ozs.
Birch	Aphids, Leafminers	0.75 fl. oz.
	SPECIFIC DIRECTIONS: <b>For Leafminers</b> - Apply when leaves are expanded (about mid-May) and repeat in early July.	
Boxwood	Leafminers, Mealybugs, Mites	1.5 fl. ozs.
	SPECIFIC DIRECTIONS: <b>For Leafminers</b> - Apply in Spring when Leafminer flies first appear or in early Summer for control of larvae in the infested leaves.	
Camellias	Aphids, Mites, Scales (Camellia, Tea)	1.5 fl. ozs.
	SPECIFIC DIRECTIONS: <b>Foliar Spray</b> - Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after first growth begins in the Spring. <b>Soil Drench</b> - Apply as a soil drench around the base of plants in early Spring at the rate of 4 tbsps. per gal. of water per plant up to 6 ft. tall. Increase this rate proportionately for larger plants.	
Cedar	Mites	3 fl. ozs.
Christmas Trees	Balsam twig aphid, Blue aphid, Bagworms, European pine shoot moth, Mites, Nantucket pine tip moth, Zimmerman pine moths	4.5 tsps. per gal. of water
	SPECIFIC DIRECTIONS: Do not use on Japanese maples or Red leaf ornamental spp.	
Cottonwood Trees Grown for Pulp	Aphids, Bagworms, Leaf beetles	-
	SPECIFIC DIRECTIONS: <b>Foliar Spray</b> - Apply 3 fl. ozs. Repeat on a 10 day interval, as necessary, up to 4 sprays per year. <b>Soil Injection</b> - Apply as a soil injection at the rate of 0.12 fl. oz. per inch of tree circumference measured approximately 5 ft. 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 2 inches of water. <b>Leaf beetle (Chemigation)</b> - 2 to 6 pints per acre through drip line. Application may be repeated two times. Refer to section titled " <i>Drip (Trickle) Chemigation (Soil Drench Uses)</i> " for additional application information.	
Cypress	Bactra moth larvae	1.5 fl. ozs.
	SPECIFIC DIRECTIONS: Apply as a drenching spray.	
Douglas fir	Fir cone midge	6 tsps. per gallon of water
	SPECIFIC DIRECTIONS: Make a thorough coverage application when cones are closed and pendant. Use hydraulic or backpack sprayer.	
Euonymous	Aphids, Scales	3 fl. ozs.
Fraser fir	Rosette bud mite	1.5 to 3 tsps. per gal. of water
	SPECIFIC DIRECTIONS: Use a high pressure hydraulic sprayer with a handheld spray gun to thoroughly wet trunk and limbs on front and back of tree.	
<i>Ficus nitida</i> (Outdoor plants)	Thrips	1.5 fl. ozs.
	Note: Do not use on potted plants.	
Gardenias	Tea scales, Whiteflies	1.5 fl. ozs.
Hackberry	Hackberry budgall psyllid, Hackberry nipplegall psyllid	Foliar: 5.4 fl. ozs. Soil Injection: 1:2 dilution
	SPECIFIC DIRECTIONS: Apply prior to bud break. Do not apply to plants that have not been established for at least 3 years. By soil injection, use a 1:2 dilution (1 fl. oz. of this product to every 2 fl. ozs. of 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.	
Hemlocks	Mites, Scales	1.5 fl. ozs.
Holly	Leafminers, Mites, Soft scale	1.5 fl. ozs.
	SPECIFIC DIRECTIONS: <b>For Leafminers</b> - Apply in Spring when leafminer flies first appear, or in early Summer, for control of larvae in infested leaves.	

(English & American, not Burford variety)		
Honeysuckle	Honeysuckle aphid	Foliar: 3 fl. ozs. Soil Injection: 1:2 dilution
	SPECIFIC DIRECTIONS: Do not apply to plants that have not been established for at least 3 years. By soil injection, use a 1:2 dilution (1 fl. oz. of this product for every 2 fl. ozs. of water). Apply using a low-pressure injector. Inject 1.25 fl. ozs. of the dilution 6 inches below ground for each one-half inch of trunk diameter.	
Oak	Golden oak scale	3 fl. ozs.
Pines, Juniper and other evergreen species	Aphids, Bagworms, European pine shoot moth, Midges, Mites, Nantucket pine tip moth, Zimmerman pine moth	3 fl. ozs.
Pinyon pine	Pinyon needle scale	3.75 tbsps. per gallon of water
	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 application 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	1:2 dilution
	SPECIFIC DIRECTIONS: <b>Soil Injection:</b> Use a 1:2 dilution (1 fl oz. of this product for every 2 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 diameter. Make insertions within dripline of tree. For Spindle gall midge and Tip moth, apply in mid- to late-Spring. For Pinyon borer, make application in early Summer.	
Poinsettias (Outdoor plants)	Aphids, Mealybugs, Mites, Whiteflies	1.5 fl. ozs.
<i>Prunus</i> spp.	Aphids, Leafhoppers, Mites, Thrips	Foliar: 5.4 fl. ozs.
Roses	Aphids, Leafhoppers, Mites, Thrips	1.5 fl. ozs.
	SPECIFIC DIRECTIONS: <b>Foliar Spray:</b> Apply 2 sprays 6 weeks apart the first year followed by annual applications soon after the first growth begins in the Spring. <b>Soil Drench:</b> Apply as a soil drench around the base of plants in early Spring at the rate of 4 tbsps. per gallon of water per plant.	
Taxus	Fletcher scale, Mealybugs, Mites	3 fl. ozs.
Douglas fir seed orchards and Breeding orchards	Contarinia, Megastigma, Dioryctria, Barbara, Henricus (midges, worms, moths, phaloniids)	2.3 to 3.1 gals. (6.2 to 8.3 lbs. a.i.)
	SPECIFIC DIRECTIONS: Apply in 100 gals. of water by ground equipment. Spray for thorough coverage of foliage and conelets. Apply after conelet closure and when cones are in the process of turning down. Use precaution when spraying especially at higher rates for foliage (conifer needle) as phytotoxicity is possible. Spraying must be under direct supervision of the Horticulturist in charge of the seed and breeding orchards. Seed must be used strictly for forest tree propagation or breeding purposes only. Otherwise, the seed shall be destroyed in an environmentally acceptable method.	
	<b>For Airblast Applications to Douglas Fir Seed Orchards (WA and OR Only), see the exceptions below.</b>	

**USE RESTRICTIONS:**

**For Woody Ornamentals and Christmas Tree Nurseries:**

Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per application.

Do not apply more than 3 lbs. a.i. (9 pts. of this product) per acre per calendar year.

Minimum 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. (0.1 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 Douglas Fir Seed Orchards and Breeding Orchards:**

Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per application.

Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year.

The REI is 2 days, however, the REI is increased to 4 days in outdoor areas where the average annual rainfall is less than 25 inches per year.

**Note: Special Exception For Airblast Applications to Douglas Fir Seed Orchards (WA and OR Only)**

Do not apply more than 4.15 lbs. a.i. (12.4 pts. of this product) per acre per application. Do not apply more than 4.15 lbs. a.i. (12.4 pts. of this product) per acre per calendar year.

If airblast applications are applied at a rate greater than 1 lb. a.i. (3 pts. of this product) 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 Trees (Grown for Pulp):**

Do not apply more than 2 lbs. a.i. (6 pts. of this product) per acre per application.

Do not apply more than 6 lbs. a.i. (18 pts. of this product) per acre per calendar 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.

HERBACEOUS ORNAMENTALS	Pests Controlled	Amount Per 6 Gals. of Water*
Carnations	Aphids, Mites, Thrips	1.5 fl. ozs.
	SPECIFIC DIRECTIONS: <b>Soil Drench</b> - Apply as a soil drench at the rate of 4 fl. ozs. per 500 sq. ft. of bed or bench (5 qts. per 0.5 acre) in sufficient water for even distribution. Water thoroughly after application.	
Daylilies	Aphids, Leafminers, Thrips	3 fl. ozs.
	SPECIFIC DIRECTIONS: <b>For Leafminers</b> - Apply in Spring when Leafminer flies first appear or in early Summer for control of larvae in the infested leaves.	
Gerberas	Thrips	1.5 fl. ozs.
Gladiolus	Aphids, Thrips	2 tsps. per gal. of water
Iris	Aphids, Iris borer, Thrips	3 fl. ozs.
	SPECIFIC DIRECTIONS: <b>For Borer Control</b> - Spray when new leaves are 5 to 6 inches tall.	
*See "Use Restrictions for Herbaceous Ornamentals" below for maximum application rates and REIs for each use site.		

**Use Restrictions For Herbaceous Ornamentals:**

Do not apply more than 0.25 lbs. a.i. (0.75 pt. of this product) per acre per application. Do not apply more than 0.25 lb. a.i. (0.75 pt. of this product) per acre per calendar year. The REI is 2 days.

**FIELD CROPS**

Use the higher rate of application when the pest population is high.

Field Crops	Pests Controlled	Rate Per Acre	PHI (Days)
Alfalfa (Grown for Hay) (REI = 2 days)	Aphids, Grasshoppers, Leafhoppers, Lygus bugs, Reduction of Alfalfa weevil larvae	0.75 to 1.5 pts.	10
	SPECIFIC DIRECTIONS: Do not feed livestock on treated crops, threshing or hay treated less than 10 days before harvest or pasture stubble sooner than 10 days after treatment. Make only one application per cutting. Effective only on cutting to which applied. This product is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.		

<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1.5 lbs. a.i. (4.5 pts. of this product) per acre per calendar year. On Alfalfa, do not apply more than once per cutting; do not apply more than 3 times per year; minimum retreatment interval is 30 days.			
Corn (Field, Pop) (REI = 2 days)*	Banks grass mites (except Trans Pecos area of TX), Aphids, Bean beetles, Corn rootworm adult, Mites (including two-spotted spider mites), Thrips, Fleahoppers	1 to 1.5 pts.	28 (Grain) 14 (Forage)
	SPECIFIC DIRECTIONS: <b>By Air</b> - Apply in 1 or more gallons of water per acre. Apply as necessary. Make no more than 3 applications per year. Do not apply during the pollen-shed period. Do not feed or graze within 14 days of last application.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per calendar year. *PROHIBITION: Workers are prohibited from entering the treated area to perform detassling tasks for 4 days in non-arid areas and for 15 days in outdoor areas where the average rainfall is less than 25 inches per year.			
Cotton (Grown in AZ & CA) (REI = 2 days)	Black fleahoppers, Leafhoppers, Lygus bugs, Thrips	0.75 to 1.5 pts.	14
	SPECIFIC DIRECTIONS: Do not repeat application within 14 days. Do not feed treated forage or graze livestock on treated fields.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per season. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 14 days.			
Cotton (REI = 2 days)	Aphids, Fleahoppers, Mites, Thrips, Plant bugs (including Lygus bugs)	0.33 to 1.5 pts.	14
	Fleahoppers (OK & TX)	0.33 to 0.66 pts.	14
	SPECIFIC DIRECTIONS: Do not repeat application within 14 days. Do not feed treated forage or graze livestock on treated fields.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per season. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 14 days.			
Safflower (Grown in CA & AZ) (REI = 2 days)	Aphids, Leafhoppers, Lygus bugs, Plant bugs, Thrips	0.75 to 1.5 pts.	14
	SPECIFIC DIRECTIONS: Repeat applications should not be made at intervals closer than 14 days.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per calendar year. Minimum retreatment interval is 14 days.			
Soybeans (REI = 2 days)	Alfalfa loopers, Bean leaf beetle, Grasshoppers, Leafhoppers, Mexican bean beetles, Spider mites, Three-cornered alfalfa hopper	1.5 pts.	21
	SPECIFIC DIRECTIONS: Apply above rate in 25 to 40 gals. of water per acre by ground application. For aerial application, apply above rate in 1 or more gals. of water per acre. Do not graze within 5 days of last application.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days.			
Sorghum (Milo) (REI = 2 days)	Aphids, Greenbugs, Mites (including Spider mites)	0.75 to 1.5 pts.	28
	Banks grass mites (excluding Transpecos area of Texas), Grasshoppers	1.5 pts.	
	Sorghum midge	0.33 to 0.75 pts.	
	SPECIFIC DIRECTIONS: Use 0.33 to 0.66 pt. per acre for light infestations on young Sorghum prior to head formation. <b>Aerial application:</b> Apply above rates in 1 or more gals. of water per acre. Do not feed or graze within 28 days of last application. Do not apply after head formation.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days.			
Wheat, Triticale (REI = 2 days)	Aphids, (Greenbugs), Wheat midge	0.75 to 1.13 pts.	35
	Brown wheat mites	0.75 to 1.5 pts.	
	Grasshoppers	1.13 pts.	
	SPECIFIC DIRECTIONS: Do not apply within 14 days of grazing immature plants. In CA, do not harvest Grain within 60 days of last application		

**USE RESTRICTIONS:** Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per calendar year.

FRUIT CROPS

Fruit Crops	Pests Controlled	Rate Per Acre	PHI (Days)
Cherries, preharvest (Idaho, Oregon, Utah, Washington, and Montana only) (REI = 10 days)* (REI = 14 days)**	Aphids, Cherry fruit flies, Mites	4 pts. (max.)	21
<p><b>SPECIFIC DIRECTIONS:</b> <b>Dilute Application:</b> Use 0.75 to 1.5 pts. in minimum 100 gals. of water. <b>Concentrate Application:</b> Use 3 to 4 pts. per acre in minimum 50 gals. of water. Make an application within 7 days of adult fly emergence in the area. This application should be made in late May or early June when the fruits are small in size. Concentrate sprays should be used with precaution to avoid fruit marking and injury on sensitive varieties (such as Ranier species). Do not apply when trees or substantial numbers of weeds in the treatment area are in bloom. Do not graze livestock in treated orchards. Use the higher rate of application when insect pest population is high.</p>			
<p><b>USE RESTRICTIONS:</b> Do not apply more than 1.33 lbs. a.i. (4 pts. of this product) per acre per application. Do not apply more than 1.33 lbs. a.i. (4 pts. of this product) per acre per calendar year. *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.</p>			
Citrus (AZ & CA, Non-bearing & Nursery stock) (REI = 10 days)* (REI = 14 days)**	Aphids, Thrips	<b>Foliar Spray:</b> 3.0 pts. (max.) <b>Soil Drench:</b> 3.0 qts. (max.)	-
<p><b>SPECIFIC DIRECTIONS:</b> <b>Foliar Spray</b> - Apply 1.5 pts. per 100 gals. of water. Repeat application as necessary. Applications may be made in the year the trees begin to bear fruit. <b>Soil Drench</b> - For trees 1 to 3 years old, apply 3 qts. per acre in the furrow or soil ring around the base of tree. Apply when insect injury to new growth begins. Do not apply to trees that will bear fruit in one year.</p>			
<p><b>USE RESTRICTIONS:</b> Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per application as foliar spray. Do not apply more than 1 lb. a.i (3 pts. of this product) per acre per calendar year. *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. Aerial application is prohibited.</p>			
Citrus (except Citrons, Kumquats and Limes) (AZ only) (REI = 10 days)* (REI = 14 days)**	Thrips	See "SPECIFIC DIRECTIONS"	15
<p><b>SPECIFIC DIRECTIONS:</b> Use specified dosage of this product in the amount of water necessary to achieve adequate coverage of foliage. The type of equipment used will determine the concentration required. <b>Ground Application</b> - Apply up to 1 lb. of active ingredient (3 pts. of this product) in not less than 20 gals. of water per acre. <b>Aerial Application:</b> Apply 2.5 pts. of this product in 5 gallons of water. NOTE: While aerial application is permitted in Arizona, state specific restriction on aerial application for Citrus in Arizona (except Citron, Kumquats and Limes) must be observed. Use of dimethoate is prohibited during any time of day in any given orchard from when that orchard is 10% open blooms until such time as there has been at least 75% petal fall on the north side of the trees. Applications of dimethoate shall be limited to that period of time between one (1) hour after sunset to three (3) hours before sunrise when any one of the following conditions prevail: 1) Before the onset of petal fall, the orchard to be treated has open blooms present and these open blooms represent less than 10% of the total anticipated blooms in the orchard. 2) After the initiation of petal fall there are less than 25% of open blooms remaining in the orchard to be treated. 3) It is between the calendar dates of February 15th and May 1st. All applications of dimethoate on Citrus must be documented on Form 1080 written either by a pest control advisor, farm owner or farm manager as is normally required for custom applications of pesticides, except that private applicators may omit the "Pesticide Application Report" section. The description of the status of bloom of the orchard to be treated as it was at the time of the application shall be indicated in the section for "Label Restrictions/Special Instructions". Both private and custom applicators shall mail to the Agriculture Department's Phoenix office the original of each completed Form 1080 done in accordance with this label. Each Form 1080 shall be postmarked not later than Monday following the week in which the application was made, except when holidays intervene.</p>			

<b>USE RESTRICTIONS:</b> Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. *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.			
Grapefruit, Lemons, Oranges, Tangelos, Tangerines (REI = 10 days)* (REI = 14 days)**	Aphids, Mites (except Rust mites), Psyllid, Thrips, Whiteflies	3.0 pts. (max.)	15
	SPECIFIC DIRECTIONS: <b>Ground Equipment</b> - 0.75 to 1.5 pts. per 100 gals. of water. Apply as a thorough coverage spray. Use the higher rate of application when insect pest population is high. <b>Concentrate (mist) application</b> - Apply 3 pints per acre in sufficient water to provide full coverage of foliage. <b>By Air</b> - Apply 3 pts. per acre in 5 to 10 gals. of water.		
	Scales (except Black or Snow)	3.0 pts. (max.)	15
	SPECIFIC DIRECTIONS: <b>Ground Equipment</b> - 0.75 to 2.25 pts. per 100 gals. of water. Apply as a thorough coverage spray. <b>Concentrate (mist) application</b> - Apply in sufficient water to provide full coverage of foliage. Use the higher rate of application when insect pest population is high.		
<b>USE RESTRICTIONS:</b> Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. *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.			
Melons (including Watermelons) (REI = 2 days)	Aphids, Leafhoppers, Leafminers	0.75 to 1.5 pts.	3
	SPECIFIC DIRECTIONS: Apply in minimum 100 gallons of water. Use the higher rate of application when pest population is high.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days.			
Pears (REI = 10 days)* (REI = 14 days)**	Aphids, Leafhoppers, Mites (except Rust mites), Pear psylla	3.0 pts. (max.)	28
	SPECIFIC DIRECTIONS: <b>Ground Equipment</b> - Apply 0.75 to 1.5 pints per 100 gallons of water. <b>Concentrate (mist) application</b> - Apply 3 pints per acre in sufficient water to provide full coverage of foliage. <b>Aerial application</b> - Apply 3 pints per acre in 5 to 10 gallons of water. Do not apply when trees or substantial numbers of weeds in the orchard are in bloom. Do not graze livestock in treated areas. Use the higher rate of application when insect pest population is high.		
<b>USE RESTRICTIONS:</b> Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. *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.			

#### NUT CROP

Nut Crop	Pests Controlled	Rate Per Acre	PHI (Days)
Pecans (REI = 2 days)	Aphids, Leafhoppers, Mites	1.0 pt.	21
	SPECIFIC DIRECTIONS: Apply 1 pint per acre by ground equipment in minimum 100 gallons of water or by aerial equipment. If applied by air, a minimum of 5 gallons of finished spray must be used. Do not graze livestock in treated groves.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.33 lb. a.i. (1 pt. of this product) per acre per application. Do not apply more than 0.33 lb. a.i. (1 pt. of this product) per acre per calendar year.			

#### SEED CROP

Use the higher rate of application when the pest population is high.

Seed Crops	Pests Controlled	Rate Per Acre	PHI (Days)
Alfalfa (REI = 2 days)	Aphids, Leafhoppers, Lygus bugs, Grasshoppers, reduction of Alfalfa weevil larvae	1.5 pts. (max.)	-
	SPECIFIC DIRECTIONS: Apply using 0.75 to 1.5 pts. in 100 gallons of water. Do not feed or graze livestock in treated crops, hay, threshings or stubble within 10 days of application. This		

	pesticide is highly toxic to bees; do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1.5 lbs. a.i. (4.5 pts. of this product) per acre per calendar year. Do not apply more than once per cutting. Do not apply more than 3 times per year. Minimum retreatment interval is 30 days.			
Grasses grown for seed (Idaho, Oregon And Washington only) (REI = 2 days)	Aphids, Plant bugs, Thrips, Winter grain mites	1.5 pts. (max.)	-
	SPECIFIC DIRECTIONS: Apply using 0.75 to 1.5 pts. in 100 gallons of water by ground equipment. May be applied by aerial application equipment. Apply in minimum of 2 gallons of water per acre. Do not graze or use seed or seed screenings for feed purposes.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 90 days. Do not use on Seed onions, Seed carrots, or Seed Bermuda grass.			

## VEGETABLE CROPS

Use the higher rate of application when the pest population is high.

Vegetable Crops	Pests Controlled	Rate Per Acre	PHI (Days)
Asparagus (Except Arizona and California) (REI = 2 days)	Aphids, Asparagus beetles	1.5 pts.	180
	SPECIFIC DIRECTIONS: Apply after the last harvest at no less than 14 day intervals up to a maximum of 3 pints per acre per calendar year.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 14 days.			
Beans, including Fresh, Lima, Snap and Dry beans (excludes Cowpeas) (REI = 2 days)	Aphids, Leafhoppers, Leafminers, Lygus bugs, Mites, Bean leaf beetle, Mexican bean beetle, Grasshoppers	0.75 to 1.5 pts.	0
	SPECIFIC DIRECTIONS: May be applied up to the day of harvest. Do not feed treated vines. This product is highly toxic to bees. Do not apply if bees are visiting the areas to be treated when crops or weeds are in bloom.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 14 days.			
Broccoli, Cauliflower (REI = 2 days)* (REI = 3 days)**	Aphids	0.75 to 1.5 pts.	7
	<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1.5 lbs. a.i. (4.5 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days. *The REI is 2 days. **However, the REI is increased to 3 days in outdoor areas where the average annual rainfall is less than 25 inches per year.		
Brussels sprouts (CA Only) (REI = 2 days)* (REI = 3 days)**	Aphids	1.5 pts.	10
	SPECIFIC DIRECTIONS: Apply in a minimum of 50 gals. of water per acre using ground equipment. Do not graze livestock in treated fields. Do not apply by air. Do not exceed 6 applications per growing season.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1.5 lb. a.i. (4.5 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days. *The REI is 2 days. **However, the REI is increased to 3 days in outdoor areas where the average annual rainfall is less than 25 inches per year.			
Celery (REI = 2 days)	Carmine mite, Leaf miners, Twospotted spider mite	1.5 pts.	7
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1.5 lbs. a.i. (4.5 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days.			
Kale (REI = 2 days)	Aphids, Leafhoppers, Leafminers	0.75 pt.	14
<b>USE RESTRICTIONS:</b> Do not apply more than 0.25 lb. a.i. (0.75 pt. of this product) per acre per application. Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per calendar year. Minimum retreatment interval is 15 days.			

Endive, Leaf lettuce, Swiss chard (REI = 2 days)	Aphids, Leafhoppers, Leafminers	0.75 pt.	14
<b>USE RESTRICTIONS:</b> Do not apply more than 0.25 lb. a.i. (0.75 pt. of this product) per acre per application. Do not apply more than 0.75 lb. a.i. (2.2 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days.			
Garbanzo beans (REI = 2 days)	Aphids, Grasshoppers, Leafhoppers, Leafminers, Lygus bugs, Mites	0.75 to 1.5 pts.	0
	<b>SPECIFIC DIRECTIONS:</b> May be applied up to day of harvest. Do not feed treated vines to livestock. This pesticide is highly toxic to bees; do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 14 days.			
Lentils (REI = 2 days)	Aphids	0.5 to 1.5 pts.	14
	Lygus bugs	1.5 pts.	
	<b>SPECIFIC DIRECTIONS:</b> Do not make more than 2 applications per season. Do not feed or graze treated plants. This pesticide is highly toxic to bees; do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days.			
Mustard greens (REI = 2 days)	Aphids, Leafhoppers, Leafminers,	0.75 pt.	14
<b>USE RESTRICTIONS:</b> Do not apply more than 0.25 lb. a.i. (0.75 pt. of this product) per acre per application. Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per calendar year. Minimum retreatment interval is 9 days.			
Peas (REI = 2 days)	Aphids, Leafminers, Lygus bugs, Thrips	0.5 pt.	0
	<b>SPECIFIC DIRECTIONS:</b> Peas may be harvested on day of application. Do not feed or graze hay within 21 days after last application when a stationary viner is used. Do not feed or graze when a mobile viner is used. Do not make more than 1 application per growing season. This product is highly toxic to bees. Do not apply if bees are visiting the area to be treated when crops or weeds are in bloom.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.16 lb. a.i. (0.5 pt. of this product) per acre per application. Do not apply more than 0.16 lb. a.i. (0.5 pt. of this product) per acre per calendar year. Not for use on Field peas.			
Peppers (REI = 2 days)	Aphids, Leafminers, Maggots	0.75 to 1 pt.	0
	<b>SPECIFIC DIRECTIONS:</b> May be applied up to the day of harvest.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.33 lb. a.i. (1 pt. of this product) per acre per application. Do not apply more than 1.65 lb. a.i. (5 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days.			
Potatoes (REI = 2 days)	Aphids, Grasshoppers, Leafhoppers, Leafminers	0.75 to 1.5 pts.	0
	<b>SPECIFIC DIRECTIONS:</b> May be applied up to the day of harvest.		
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 7 days.			
Tomatoes (REI = 2 days)	Aphids, Leafhoppers, Leafminers	0.75 to 1.5 pts.	7
<b>USE RESTRICTIONS:</b> Do not apply more than 0.5 lb. a.i. (1.5 pts. of this product) per acre per application. Do not apply more than 1 lb. a.i. (3 pts. of this product) per acre per calendar year. Minimum retreatment interval is 6 days.			
Turnips (Green, Roots) (REI = 2 days)	Aphids, Leafhoppers, Leafminers	0.75 pt.	14
<b>USE RESTRICTIONS:</b> Do not apply more than 0.25 lb. a.i. (0.75 pt. of this product) per acre per application. Do not apply more than 1.75 lbs. a.i. (5.2 pts. of this product) per acre per calendar year. Minimum retreatment interval is 3 days.			



## STORAGE AND DISPOSAL

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

**STORAGE:** DO NOT STORE BELOW FREEZING TEMPERATURES. Store in a cool, dry, well ventilated area. Avoid high temperatures.

**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 HANDLING:

**Nonrefillable Container (rigid material; less than 5 gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**Refillable Container ( $\geq$  250 gallons & Bulk):** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate.

## WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS 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. 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. 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.

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