

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

FIFRA 24(c) Special

Local Need Label



Dow AgroSciences

Dow AgroSciences LLC

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Indianapolis, IN 46268-1054 USA

Lorsban® Advanced

EPA Reg. No. 62719-591

SLN OR-090008

Control of Listed Insects by Aerial Application (Helicopter Only) on Christmas Tree Plantations

For Distribution and Use Only in the Counties of Benton, Clackamas, Columbia, Douglas, Hood River, Lane, Linn, Marion, Multnomah, Polk, Wasco, Washington, and Yamhill Counties Within the State of Oregon

Expiration Date: This label is valid until December 31, 2023, or until otherwise amended, withdrawn, canceled, or suspended.

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This label and the federal label must be in the possession of the user at the time of pesticide application.
- Read the label affixed to the container for Lorsban® Advanced insecticide before applying. Follow all other applicable directions, restrictions, and precautions on the EPA-registered label.
- Use of Lorsban Advanced according to this labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Lorsban Advanced.

chlorpyrifos: O,O-diethyl-O-	
(3,5,6-trichloro-2-pyridinyl)	
phosphorothioate	40.2%
Other Ingredients	59.8%
Total	100.00%

Contains 3.755 lb of chlorpyrifos per gallon.
Contains petroleum distillates.

Keep Out Of Reach Of Children

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.)

Environmental Hazards

This pesticide is toxic to fish, aquatic invertebrates, small mammals and birds. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. This product 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.

Directions for Use

Restricted Use Pesticide

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read all Directions for Use carefully before applying.

This product cannot be reformulated or repackaged into other end-use products.

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, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 24 hours.

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

Certified crop advisors or persons entering under their direct supervision under certain circumstances may be exempt from the early reentry requirements pursuant to 40 CFR Part 170.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves made out of any waterproof material
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

Product Information

Lorsban Advanced is an emulsion in water. This product resists washoff once it is dry. Application directions are provided below.

Application Directions

Apply Lorsban Advanced in a spray volume of not less than 2 gallons per acre for aerial application equipment (helicopter only). Thorough coverage of foliage is essential. Increase spray volume to ensure adequate coverage with increased density and height of crop canopy. On the label affixed to the container for Lorsban Advanced, see Spray Drift Management section and the recommendations for best management practices for aerial application. Marking of swaths by flagging, permanent markers or use of GPS equipment is recommended.

See main container label for aerial application directions and aerial drift reduction advisory.

Target Pests		Lorsban Advanced (quart/acre)
ants	pine spittlebug	1
aphids	plant bugs	
adelgids	spittlebugs	
(cooley)	spruce budworm	
(eastern spruce gall)	spruce needleminer	
European pine sawfly	scale (1)	
European pine shoot	(pine needle)	
moth	(pine tortoise)	
grasshoppers	(spruce bud)	
gypsy moth	(black pine)	
pales weevil (adult)	(striped pine)	
pine needle midge		
Douglas fir needle		
midge		

Numbers in parentheses (-) refer to Pest-Specific Use Directions.

Pest-Specific Use Directions:

1. For **scale control** apply when scale crawlers are active.

Specific Use Precautions:

Phytotoxicity: Do not apply under conditions of extreme heat or drought stress. Environmental factors and varietal differences significantly influence potential phytotoxic expression. **Testing has shown that Lorsban Advanced may be used at recommended rates on the following conifer species without serious phytotoxicity: balsam fir, concolor fir, Douglas fir, eastern white pine, Fraser fir, grand fir, noble fir, Scotch pine, white spruce.** Before treating large numbers of other conifer species, it is recommended that a small block of plants be treated and observed 7 to 10 days for symptoms of phytotoxicity. **Note:** The user assumes responsibility for determining if it is safe to treat other conifer species with Lorsban Advanced under commercial growing conditions.

Specific Use Restrictions:

- Do not make more than three applications of Lorsban Advanced or other product containing chlorpyrifos per season.
- Do not make a second application of Lorsban Advanced or other product containing chlorpyrifos within seven days of the first application.
- Do not allow meat or dairy animals to graze in treated areas.

Water Quality

Buffer Zone Specific to This Aerial Label

Under this SLN label, the buffer zone that must be followed when making aerial applications to Christmas trees in Oregon is 300 feet. Buffer zones are areas adjacent to certain bodies of water in which the pesticide cannot be applied. They should be measured starting from the normal high water mark. The purpose of a buffer is to reduce the probability that pesticides will enter water either through drift or runoff.

There are mandated buffer zone restrictions on the federal label for Lorsban Advanced when making applications adjacent to permanent bodies of water such as rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries, and commercial fish ponds. These include a buffer zone of 25 feet when making applications with a ground boom and 50 feet when making applications with an airblast sprayer. The main container label specifies a buffer zone of 150 feet when making aerial applications to certain other crops. However, as mandated by this Special Local Need label, the buffer zone for aerial applications to Christmas trees is 300 feet, not 150 feet.

Sensitive Areas

Making applications when wind is blowing away from sensitive areas is the most effective way to reduce the potential for adverse effects.

The buffer distances specified in the below table are the distances in feet that must exist to separate sensitive sites from the targeted application site. Buffers are measured from the edge of the sensitive site to the edge of the application site.

Sensitive sites are areas frequented by non-occupational bystanders (especially children). These include residential lawns, pedestrian sidewalks, outdoor recreational areas such as school grounds, athletic fields, parks and all property associated with buildings occupied by humans for residential or commercial purposes. Sensitive sites include homes, farmworker housing, or other residential buildings, schools, daycare centers, nursing homes, and hospitals. Non-residential agricultural buildings, including barns, livestock facilities, sheds, and outhouses are not included in this prohibition.

Application Rate (lb ai/A)	Nozzle Droplet Type	Required Setback (Buffer Zones) (feet)		
		Aerial	Airblast	Ground
>0.5 – 1	coarse or very coarse	10	10	10
>0.5 – 1	medium	25	10	10
>1 – 2	coarse or very coarse	50	10	10
>1 – 2	medium	80	10	10
>2 – 3	coarse or very coarse	80 ¹	10	10
>2 – 3	medium	100 ¹	10	10
>3 – 4	medium or coarse	NA ²	25	10
>4	medium or coarse	NA	50	10

¹Aerial application of greater than 2 lb ai/A is only permitted for Asian Citrus Psylla control, up to 2.3 lb ai/A.

²NA is not allowed.

Only pesticide handlers are permitted in the setback area during application of this product. Do not apply this product if anyone other than a mixer, loader, or applicator, is in the setback area. Exception: Vehicles and persons riding bicycles that are passing through the setback area on public or private roadways are permitted.

Reducing Runoff

Runoff and drift of this pesticide from treated areas may be hazardous to aquatic organisms. This pesticide has been detected in Oregon waterways and it has been designated an Oregon Pesticide of Concern. Information regarding this designation and Oregon's Water Quality Pesticide Management Plan is available at: http://www.oregon.gov/ODA/PEST/water_quality.shtml.

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 reduce the potential for contamination of water from runoff. The width of an effective buffer is dependent on a number of factors including soil type and the slope of the field. For additional assistance on the installation and effectiveness of buffers, consult with your local conservation district, USDA-NRCS or university extension office.

Do not apply this product to fields when soil moisture is nearing, at, or exceeding field capacity. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

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R368-124

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