

Supplemental Labeling



Dow AgroSciences LLC

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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.

Lorsban[®] Advanced

EPA Reg. No. 62719-591

EPA 24(c) Special Local Need Registration SLN OR-090008
For Distribution and Use Only in the State of Oregon

Expiration Date: This label valid until December 31, 2012 or until otherwise amended, withdrawn, canceled, or suspended.

Control of Various Insects by Aerial Application on Christmas Trees (Plantations)

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 supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Lorsban Advanced.

Active Ingredient:

chlorpyrifos: O,O-diethyl-O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate	40.18%
Other Ingredients	59.82%
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 (fixed wing or helicopter). 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 Precautions 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.

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.

Label Buffer Zones

Follow the Spray Drift Management Program on the Section 3 (main) label for Lorsban Advanced. There are mandated buffer zone restrictions on the label when making applications adjacent to permanent bodies of water such as rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries, and commercial fish ponds. These treatment setbacks or buffer zones range from 25 to 150 feet, depending upon application method. These buffer zones must be followed even if the particular body of water is not affected by the court order referred to below. Follow all directions and restrictions on the Section 3 and Section 24c labels.

Application Method	Required Setback (Buffer Zone) (feet)
ground boom	25
chemigation	25
orchard airblast	50
aerial (fixed wing or helicopter)	150

Buffer zones are areas adjacent to certain bodies of water in which the pesticide cannot be applied. Buffer zones 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.

Court Ordered Buffer Zones

The use of chlorpyrifos near certain waterways in Oregon is subject to the January 22, 2004 Order for Injunctive Relief in Washington Toxics Coalition, et al. v. EPA. Because of the court order, buffer restrictions are required when applying chlorpyrifos near specific bodies of water ("affected waterways"). All counties in Oregon contain affected waterways which require buffer zones when using chlorpyrifos except for: Baker, Deschutes, Harney, Klamath, Lake, and Malheur counties. If your application site is adjacent to a stream depicted on the web sites referenced below, then a certain size of buffer zone must be observed. Listed waterways are indicated at: <http://egov.oregon.gov/ODA/PEST/buffers.shtml> & <http://www.epa.gov/espp/litstatus/wtc/maps.htm>.

Generally, the buffers established by the Court are 20 yards (60 feet) for ground application and 100 yards (300 feet) for aerial application. If there are no listed streams or rivers adjoining the application site, then the court order is not applicable to your situation. Please note, on many of the newer chlorpyrifos Section 3 (main) labels, including Lorsban Advanced, there are buffer zone restrictions. Follow the most restrictive buffer zone. For example, if you are making a ground boom application adjacent to an affected waterway, you need to use a buffer zone of 60 feet (court ordered buffer zone), instead of the 25 feet buffer zone indicated on the pesticide label.

Reducing Runoff

Do not apply this product to fields when soil moisture is nearing, at, or exceeding field capacity, and/or when a rain event likely to produce runoff from the treated field is forecasted by NOAA/NWS (National Weather Service), and will occur within 48 hours.

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 as 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

Riparian buffers or filter strips have been shown to significantly reduce runoff of sediment and contaminants into water bodies. The width of an effective buffer is dependent upon a number of factors such as the slope of the field. For additional assistance on the installation and effectiveness of buffers, consult with your local conservation district, USDA-NRCS office or university extension.

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