

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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Lorsban[®] Advanced

EPA Reg. No. 62719-591

SLN OR-090009

Control of Listed Insects Infesting Perennial Grass Grown for Seed Crops

(For Distribution and Use Only in 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Expiration Date: This label is valid until December 31, 2023, or until otherwise amended, withdrawn, canceled, or suspended.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.

Active Ingredient:

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chlorpyrifos: O,O-diethyl-O-
 (3,5,6-trichloro-2-pyridinyl)
 phosphorothioate40.2%

Other Ingredients59.8%

Total100.00%

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

Orchardgrass billbug, cutworms and sod webworm

Apply 1 quart of Lorsban Advanced per acre in at least 20 gallons of water per acre. Apply as a broadcast spray using power-operated ground application equipment or through sprinkler irrigation equipment (chemigation). Chemigation facilitates maximum downward penetration through thatch and soil.

Suggested Timing: For **orchard billbug**, apply in early April when adult billbugs are active or after harvest from mid-October through early November when new adults are moving between crowns of the grasses. For **cutworm (larvae)**, apply in either spring or fall when larvae are present and damage first appears. For **sod webworm (cranberry girdler)** and **larvae (western Oregon)**, apply in late summer (early September to late September) when larvae are small and most of the eggs have hatched. Later applications (late October) have limited effectiveness because most cranberry girdler larvae have finished feeding.

Aphids

Apply 1 to 2 pints of Lorsban Advanced per acre in at least 20 gallons of water as a broadcast spray using power-operated ground application equipment.

Suggested Timing: Treat before grass seed heading, as colonies begin to form.

Maximizing Efficacy: For best results when controlling sod webworm, billbugs or cutworms, thatch and soil surface should be moist at time of application. Lorsban Advanced should be irrigated immediately after application or moved by rainfall through the thatch and into crowns of the plants. If sprinkler irrigation is available, apply 1/4 to 1/2 inch of water after application to incorporate product. Lorsban Advanced tends to remain on grass and soils where it has dried.

Heavy post-harvest residue or carbon residue from field burning reduces control. Lorsban Advanced is adsorbed to organic matter and ash, inhibiting product from reaching the crowns of plants where these three pests occur. Removing post-harvest residues and/or harrowing fields helps break up thatch and charcoal and may enhance control.

Specific Use Restrictions:

- Do not feed or graze grass grown for seed following application of Lorsban Advanced.
- Do not cut treated grass grown for seed for forage, hay, or silage.
- Do not use harvested seed for sprouting.
- No portion of the treated field, including seed, seed screenings, hay forage or stubble may be used for human or animal feed.
- Maximum single application rate is 0.94 lb ai chlorpyrifos (2 pints of Lorsban Advanced) per acre.
- Do not make more than three applications of Lorsban Advanced per year.
- 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. Consult your cooperative agricultural extension service for additional information concerning protection of pollinating bees.

Spray Drift Management

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associate property, parks and recreation areas, non-target crops, aquatic and wetland sites, woodlands, pastures, rangelands, or animals.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making the decision to apply this product.

Observe the following precautions when spraying Lorsban Advanced adjacent to permanent bodies of water such as rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries, and commercial fish ponds.

The following treatment setbacks or buffer zones must be utilized for application around the above-listed aquatic areas with the following application equipment:

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

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

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 with 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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