

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators 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

EPA SLN No. OR-090009

For 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Expiration Date: This label is valid until December 31, 2023, or until otherwise amended, withdrawn, canceled, or suspended.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 Special Local Need (SLN) label and the federal label for Lorsban® Advanced must be in the possession of the user at the time of pesticide application.
- Read the label affixed to the container for Lorsban Advanced before applying. Follow all other applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA-registered label, except as specified on this SLN label.
- Use of Lorsban Advanced according to this SLN labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Lorsban Advanced, and the additional limitations imposed by the Oregon Permanent Chlorpyrifos Rule, OAR 603-057-0545.

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.)

Precautionary Statements

Carefully read and follow the requirements concerning Hazards to Humans and Domestic Animals, First Aid, Engineering Controls, and User Safety Recommendations on the label affixed to the container for Lorsban Advanced.

Personal Protective Equipment (PPE)

Carefully read and follow all requirements for PPE on the label affixed to the container for Lorsban Advanced, except for the respirator requirements. Follow the respirator requirements indicated below.

Respirator Requirements: All applicators and mixers and loaders must wear a minimum of the following respirator PPE, as defined and approved under 40 CFR Part 84:

- (A) Particulate filtering face piece respirator with any N, R, or P filter; or
- (B) Elastomeric particulate respirator with any N, R, or P filter; or
- (C) Powered air purifying respirator with HE filters.

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 **four (4) days**.

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.

The active ingredient in Lorsban Advanced is chlorpyrifos. According to Oregon law, the use of chlorpyrifos under this SLN label is subject to limitations imposed by the Oregon Permanent Chlorpyrifos Rule, OAR 603-057-0545.

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:

- Aerial application of Lorsban Advanced to perennial grasses grown for seed is prohibited.
- 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 associated property, parks and recreation areas, non-target crops, aquatic and wetland sites, woodlands, pastures, rangelands, or animals, including **Sensitive Sites** and **Bodies of Water** as defined below in Buffer Zones.

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.

Buffer Zones (Setbacks): Observe the following precautions and requirements when spraying Lorsban Advanced adjacent to Bodies of Water and Sensitive Sites.

Sensitive Sites. According to Oregon law, sensitive sites are: Areas frequented by non-occupational bystanders (especially children). These include, but are not limited to, homes and other residential buildings, farmworker housing, residential lawns, schools, daycare centers, nursing homes, hospitals, pedestrian sidewalks, outdoor recreational areas such as school grounds, athletic fields, and parks, and all property associated with buildings occupied by humans for residential or commercial purposes. The following are excluded from the definition of “sensitive sites”:

- (A) Residences occupied by the owner(s) of an agricultural establishment and members of their immediate families, as defined in 40 CFR § 170.305;
- (B) Non-residential agricultural buildings, including barns, livestock facilities, sheds, and outhouses; and
- (C) Public and private roadways.

The Lorsban Advanced container label also lists sensitive sites. For sites not defined in Oregon law as sensitive sites or specifically excluded by the law (above), follow the buffer (setback) indicated on the label.

Bodies of Water. According to Oregon law, bodies of water are: Aquatic areas identified on the Lorsban Advanced container label as requiring a buffer zone: Permanent bodies of water such as rivers, natural ponds, lakes, streams, reservoirs, marshes, estuaries, and commercial fish ponds.

Buffers. According to Oregon law, buffers are: Areas between the application sites and protected areas where chlorpyrifos-containing products may not be applied, as described in **Buffer Requirements** (below). Buffers must be measured as follows:

- (A) **For sensitive sites**, from the edge of the sensitive site to the edge of the application site; and
- (B) **For bodies of water**, from the ordinary high-water mark of the waterbody and extending outward to the edge of the application site.

Buffer Requirements. It is prohibited to apply Lorsban Advanced under this SLN label:

- (a) Within 150 feet of sensitive sites or bodies of water, when using a targeted or directed airblast sprayer, such as a tower sprayer, tunnel sprayer or an airblast sprayer with anti-drift panels; or
- (b) Within 60 feet of sensitive sites or bodies of water, when using ground equipment (excluding airblast), or applying by chemigation.

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:

<https://www.oregon.gov/oda/programs/Pesticides/Water/Pages/AboutWaterPesticides.aspx>

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.

NOTE: Use of Lorsban Advanced under this SLN (including mixing, loading, and pesticide application) is subject to all provisions of the Oregon Permanent Chlorpyrifos Rule, OAR 603-057-0545 (including special PPE respirator requirements and application recordkeeping requirements):

<https://www.oregon.gov/oda/programs/Pesticides/RegulatoryIssues/Documents/Documents/2020/ChlorpyrifosRule.pdf>

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