

# Supplemental Labeling



Dow AgroSciences LLC

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

## 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<sup>®</sup> Advanced

EPA Reg. No. 62719-591

EPA 24(c) Special Local Need Registration SLN OR-090009  
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Expiration Date: This label valid until December 31, 2012 or until otherwise amended, withdrawn, canceled, or suspended.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 Insects Infesting Perennial Grass Grown for Seed Crops

#### 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<sup>®</sup> 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.

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## Directions for Use

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### 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 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.

### 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](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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