



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

APR 14 2004

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

A. Sterett Robertson  
Regulatory Leader  
Regulatory Success-Americas  
Dow AgroSciences LLC  
9330 Zionsville, IN 46268-1054

Subject: Supplemental Labeling: Turf grown for sod or seeds  
Lorsban 4E  
EPA Reg. No. 62719-220  
Resubmissions dated April 6, 2004 to submission dated February 20, 2003.

Dear Mr. Robertson:

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following comment:

At your next label printing, or within eighteen months of the date of this letter, whichever comes first, you must incorporate this supplemental labeling into the main product labeling.

A stamped copy "accepted with comments" of the label is enclosed for your records.

Please submit two (2) copies of the final printed label for our file. If you have any questions please call me at (703) 308-8328.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Akiva Abramovitch".

Akiva Abramovitch, Ph.D.  
Chemist

Insecticide/Rodenticide Branch  
Registration Division (7505C)

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# 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.

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated:**

APR 14 2004

## Lorsban\*-4E

EPA Reg. No. 62719-220

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.

**Insect Control in Turfgrass Grown for Sod or Seed**

62719-220

### ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of pesticide application.
- Read the label affixed to the container for Lorsban\*-4E insecticide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Lorsban-4E according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the product container.

### Directions for Use

Use Lorsban-4E to control the pests listed in the following table by application at the recommended dosages. Dilute Lorsban-4E in water and apply using suitable application equipment. For best results, turf should be moist at time of treatment.

| Pests   | Amount of Lorsban-4E per   |                               |
|---|--|-------------------------------|
|   | 1000 sq ft   | acre                          |
| ants<br>armyworms (such as: beet, fall,<br>yellowstriped)<br>centipedes<br>chiggers<br>chinch bugs<br>crickets<br>cutworms<br>deer ticks<br>earwigs<br>European crane fly larvae<br>fiery skipper<br>fire ants (foraging workers)<br>fire ants (mounds) (1)<br>fleas<br>gnats | grasshoppers<br>greenbug aphids<br>green June beetle grubs<br>leafhoppers<br>Lucerne moth<br>millipedes<br>mites (such as: clover,<br>Bermudagrass stunt, winter<br>grain)<br>mosquitoes<br>pillbugs<br>springtails<br>sod webworms (lawn moths) (2)<br>sowbugs<br>ticks | 3/4 fl oz<br>1 qt             |
| billbug adults (such as: bluegrass, Denver, hunting) (3)  |  | 3/4 - 1 1/2 fl oz<br>1 - 2 qt |
| annual bluegrass weevil ( <i>Hyperodes</i> ) (4)<br>black turfgrass ataenius adults (5)<br>mole crickets (6)  |  | 1 1/2 fl oz<br>2 qt           |
| white grubs (such as: black turfgrass ataenius, European chafer,<br>Japanese beetle larvae, and northern and southern masked<br>chafers) (7)  |  | 1 1/2 - 3 fl oz<br>2 - 4 qt   |

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

**Specific Use Directions:**

1. For individual **fire ant mounds** apply Lorsban-4E as a drench. Dilute 1 fl oz per 4 gallons of water. Gently sprinkle 1 to 2 gallons of the diluted insecticide over the surface of each mound and surrounding areas to a diameter of 2 feet. For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.
2. For **sod webworms**, watering or mowing of the treated area should be delayed for 12 to 24 hours after treatment.
3. For **billbugs**, spray early in the season just prior to or coinciding with first appearance of adults as recommended by your local Agricultural Extension Service Specialist.
4. To control **annual bluegrass weevil**, spray suspected problem areas in mid-April and again in mid-May, or as recommended by your local Agricultural Extension Service Specialist.
5. For **black turfgrass ataenius** adults, spray early in the season as recommended by your local Agricultural Extension Service Specialist. A repeat application may be needed 1 to 2 weeks later.
6. To control **mole crickets** in turfgrass, apply Lorsban-4E through high-pressure injection or other suitable subsurface placement application equipment. Depending on the application equipment used, follow the manufacturer's recommendation for calibration and the volume of spray per acre needed to provide control or as recommended by your local Agricultural Extension Service Specialist. For best results, apply when young nymphs are active.
7. For **white grubs**, spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by your local Agricultural Extension Service Specialist. For best results, soil should be moist prior to treatment. **For best results, immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the thatch and underlying soil.**

\*Trademark of Dow AgroSciences LLC

A1A / Lorsban-4E / Prop Sec 3 Sod Farms-Grass / 01-28-03

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EPA-accepted: \_\_\_/\_\_\_/\_\_\_

Initial printing.