



SEVIN® brand XLR PLUS Carbaryl Insecticide
For Grasshopper Control on Rangeland
EPA Reg. No. 264-333
EPA SLN. No. NE-000003

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24(c) Supplemental Label

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF NEBRASKA

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of pesticide application. All applicable directions, restrictions and precautions on the EPA registered label are to be followed.

DIRECTIONS FOR USE

Reduced Area and Agent Treatments (RAATs)

The RAATs approach takes advantage of grasshopper movement to allow SEVIN® brand XLR Plus Carbaryl Insecticide to be applied at reduced rates on a reduced treated area while maintaining acceptable grasshopper control. Under this program, SEVIN® brand XLR Plus may be applied to as little as 50% of the infested area (treating a 100 ft swath, skipping a 100 ft swath), up to 100% of infested area. The amount of area treated will depend on grasshopper age, density and plant canopy. By leaving untreated swaths, the RAATs program provides reserves for natural biological control agents. This strategy fully utilizes an Integrated Pest Management approach for grasshopper control.

Apply 8 ounces to 1 quart per acre of SEVIN® brand XLR Plus by air or ground on 50 – 100% of infested area for control of grasshopper nymphs between the 2nd and 5th instar. The rate to use per acre will depend on grasshopper age, population density and plant canopy. Use the higher rates on more mature grasshoppers, severe infestations and dense vegetation. Use the lower rates on younger grasshoppers, light to moderate infestations and sparse vegetation. **Consult with the local grasshopper control experts in your area for the proper rate and swath width to use under your conditions.** Computer software packages such as HOPPER (USDA) and CARMA (University of Wyoming) are available to assist in grasshopper management decisions.

The optimum spray gallonage will depend on the plant canopy (foliage density), air temperature and wind speed. Under optimum application conditions (sparse vegetation, low air temperatures and 0 – 5 mph wind speed), use 16 ounces to 2 gallons of finished spray per acre. This product cannot be applied in a concentration greater than 1 part SEVIN® brand XLR Plus to 1 part water. **Under adverse conditions (dense vegetation, high temperatures and low humidity) higher spray gallonage per acre may be required to compensate for loss from evaporation and ensure thorough coverage.**

Caution: The use of SEVIN® brand XLR Plus Carbaryl Insecticide under the RAATs program is meant to provide ranchers with an economic and environmentally sound means to reduce grasshopper competition on their rangeland. RAATs program results indicate that this reduction in grasshopper competition for range forage provides economic control of most species under most conditions. However, if a higher level of grasshopper control is required, refer to the SEVIN® brand XLR Plus label for specific recommendations.

SEVIN is a registered trademark of the Aventis Group.