

**SUPPLEMENTAL LABELING
FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF NORTH DAKOTA**

RESTRICTED USE PESTICIDE

Due to toxicity to aquatic invertebrate animals.
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.



Dimilin® 2L
INSECT GROWTH REGULATOR
EPA REG. NO. 400-461 EPA SLN. NO. ND-050005

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Follow all applicable directions, restrictions, Worker Protection Standard requirements and precautions on the EPA registered label.

This labeling must be in the possession of the user at the time of the pesticide application.

For the control of grasshoppers in grassland and non-crop areas only.

Crops	Pests	Application Rate (fl oz/acre)	Application Timing
Grassland (includes rangeland, pastures improved pastures and similar areas used for production of native, domesticated forage grasses for harvest for livestock primarily for grazing or mechanical harvest)	GRASSLAND RESTRICTIONS: Do not exceed a total of 2 fl oz per acre per year. Do not make more than 2 applications per year. Allow at least 1 day after treatment before cutting grass. The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas)		
	Grasshopper	1 - 2	Use 1 application on early instar (majority in the 2nd to 3rd instar nymphal stages); use high rate for pastureland.
		0.75 - 1	Use on rangeland only, in a RAATs (Reduced Area and Agent Treatment) application on early instars. A RAATs application is an IPM strategy that takes advantage of grasshopper movement and conservation biological control to allow DIMILIN 2L to be applied on rangeland on a reduced treated area and at reduced rates, while sustaining acceptable control. RAATs may provide ranchers with an economic means to reduce competition by these insects on their rangeland, depending on insect age and plant canopy. Using this program DIMILIN 2L may be applied on as little as 50% of the infested acreage (e.g. skipping a 100 ft swath for every 100 ft treated), up to 100% infested acreage. The rate range to use per acre and amount of area treated will depend on grasshopper age, plant canopy and topography. Skip up to 50% of the infested area and use the lower rate under uniform topography with early instar ages and sparse vegetation. If the majority of the population is late instars, vegetation is dense, terrain is considered rough, and conditions are hot during treatment, then the coverage and rate of DIMILIN 2L should be increased up to a blanket (100%) coverage with 1 fl oz per acre.
	0.5 - 1	If a second application is made, typically apply 2 to 3 weeks after the first application.	
<p>Ground application: Apply in 2 to 20 gallons of water per acre. Include 1 pt to 2 qt of emulsified vegetable or paraffinic crop oil if conditions are favorable for water evaporation. Higher rates and gallonages are suggested for areas with dense vegetation, when nymphs are beyond the 3rd instar stage, and when climatic conditions are favorable for grasshopper survival and increase.</p> <p>Apply anytime after eggs begin to hatch through early instars. DIMILIN 2L remains active on the foliage and will continue to control larvae and grasshoppers that hatch later in the season. DIMILIN 2L is not effective in controlling larvae and grasshoppers once they have reached the adult stage. Since it is an insect growth regulator, effects may not be seen until these insects have molted at least once. If adult grasshoppers from early hatching and/or over-wintering species are present, tank-mix DIMILIN 2L with a registered adulticide to control later hatching species.</p> <p>Check mixing compatibility and sprayability prior to transferring to the main spray tank.</p> <p>Besides a fatal incomplete molting, adult grasshoppers may exhibit missing posterior legs, hernias, abdominal segments malformed, twisted antennae, hemolymph exudation, and wrinkled wings. Additionally, they may move slower, have limited jumps and unsteady landings, show a reduction in feeding, have atrophy of posterior legs or be unable to fly. Any nymph/adult possessing these symptoms is likely more susceptible to predatory insects, birds and mammals.</p> <p>DIMILIN has been shown not to impact adult populations of various ground dwelling and flying non-target arthropods in a rangeland ecosystem.</p>			
Non-crop areas [includes field border, fence rows, roadsides, farmsteads, ditchbanks, wasteland, Conservation Reserve Program (CRP) land]	NON-CROP AREA RESTRICTIONS: See Grassland section for restrictions		
	Grasshopper Mormon cricket	2	Apply DIMILIN 2L to manage these insects in their breeding areas before they move into cropland. See Grassland section for timing of application.
Ground application: Apply in 2 to 30 gallons of water per acre. Include 1 pt to 2 qt of emulsified vegetable or paraffinic crop oil if conditions are favorable for water evaporation.			

This label for DIMILIN 2L expires and must be distributed or used in accordance with this SLN registration after April 13, 2010.