Arysta LifeScience

Dimilin® 2L

INSECTICIDE

Protect Your Grasslands From Grasshoppers and Mormon Crickets.

Every year, grasshoppers consume an estimated 25 percent of the available forage in the western United States, resulting in the loss of millions of dollars. In 2000, the state of Texas lost an estimated $190 million in forage due to grasshoppers. And in Utah the following year, Mormon crickets ate their way through more than $25 million in forage. Some livestock producers say that eight grasshoppers per square yard can consume as much forage as one cow.

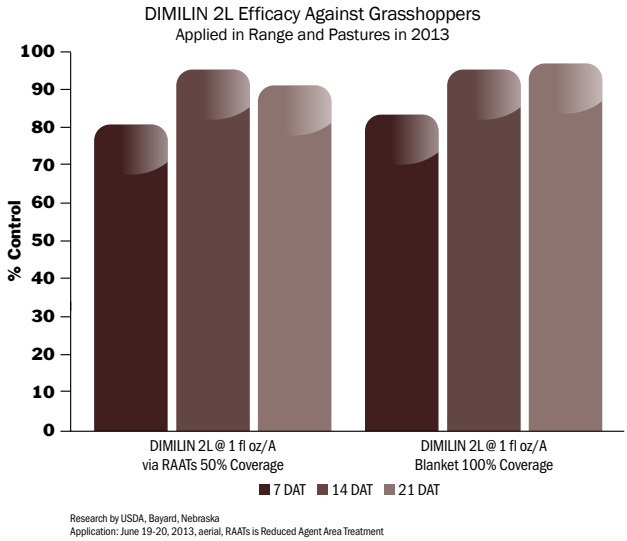
The challenge for producers is that many insecticides labeled for grasshopper control are either too costly, ineffective, or toxic to livestock, wildlife and beneficial insects.

The DIMILIN® 2L Solution

With its unique mode of action and narrow spectrum of activity, DIMILIN® 2L is the perfect solution for even the most serious grasshopper infestations in grasslands, rangeland, improved pastures and noncrop areas. DIMILIN 2L offers highly effective, long-lasting grasshopper control at a low cost per acre. And DIMILIN 2L won't harm livestock, birds, fish or beneficial insects.

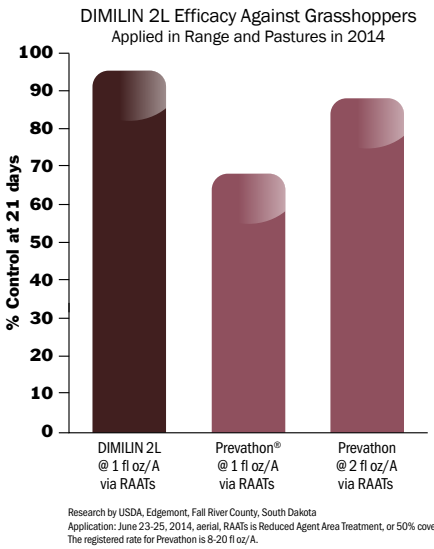
Uniquely Effective

DIMILIN 2L works by disrupting the formation and deposition of chitin in the exoskeleton, interrupting the immature grasshopper's ability to molt. It is most effective when applied early, when grasshoppers are in the 2nd to 4th instar stages, although later applications will not kill adults, it affects them by reducing their feeding rates, escape behavior, mating and egg production.



Research by USDA, Bayard, Nebraska
Application: June 19-20, 2013, aerial, RAATs is Reduced Agent Area Treatment

Field trials show DIMILIN 2L applied via a reduced agent treatment (RAATs or 50% coverage) and blanket 100% coverage, provided excellent control of grasshoppers when targeting 1st instar nymphs to adults.



Research by USDA, Edgemont, Fall River County, South Dakota
Application: June 23-25, 2014, aerial, RAATs is Reduced Agent Area Treatment, or 50% coverage
The registered rate for Prevathon is 8-20 fl oz/A.

Field trials also show DIMILIN 2L provided excellent control of grasshoppers when targeting 1st to 5th instar nymphs.

Application Rates and Timing

DIMILIN 2L is most effective when applied early. Begin application soon after hatch. Best results will occur when grasshoppers are in the 2nd to 4th instar stages. Effects of treatment will normally appear within three to seven days, as the grasshopper nymphs fail to molt and then die.

PESTS CONTROLLED	RATES (fl oz product/A)
Grasshopper	1–2
Mormon cricket	0.75–1 (0.5–1 if second application is made)
Lepidopteran foliage-feeding caterpillars such as: Fall armyworm Striped grass looper	2
Horn fly Face fly	2

Best Application Timing for Effective Control

1st 2nd 3rd 4th 5th Adult

Green = Treat with DIMILIN Amber = Caution

This illustration depicts instar stages of a grasshopper species that reaches approximately 1 inch in length as an adult. Because the early instars are difficult to see until they hop, early scouting will help to determine the stage of growth, the predominant species and population densities of grasshopper infestations.

Illustrations from the United States Department of Agriculture

Features and Benefits

- Broad-spectrum, economical grasshopper and Mormon cricket control
- Registered for use in grasslands, rangeland, improved pastures and noncrop areas
- Also registered for use on alfalfa, barley, oats, triticale, and wheat, so drift or over-spray on these crops is not an issue
- Unique mode of action disrupts chitin deposition and the normal molting process of young nymphs
- Long-lasting residual control for up to 50 days after treatment
- Easy on beneficials
- Apply by air or ground

To learn more about DIMILIN 2L in grasslands, talk to your Arysta LifeScience representative or visit arysta-na.com.

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