

Alfalfa Insect Control – Alfalfa Weevils and Other Pests

Realize optimum alfalfa quality and yields through consistent insect control. It doesn't take long for alfalfa weevils and other insects to do costly damage to your alfalfa cutting. Count on Steward® EC insecticide, Mustang® Maxx insecticide and Dimethoate 400 EC insecticide from FMC to help keep key insects from taking a bite out of your profits.

Steward EC insecticide

With a novel mode of action that works quickly, Steward EC insecticide effectively controls alfalfa weevil larvae and a broad spectrum of worms and insect pests through ingestion as well as contact activity.

Mustang Maxx insecticide

With its enhanced pyrethroid chemistry, Mustang Maxx insecticide works on contact to provide rapid knockdown and superior broad-spectrum insect control.

Dimethoate 400 EC insecticide

Locally systemic and contact activity for protection from aphids and other alfalfa insect pests, Dimethoate 400 EC insecticide is a proven performer.

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Control of Alfalfa Weevils and Other Pests

- ✓ **Steward EC insecticide**
- ✓ **Mustang Maxx insecticide**
- ✓ **Dimethoate 400 EC insecticide**

Parameter	Steward EC insecticide	Mustang Maxx insecticide	Dimethoate 400 EC insecticide
Active Ingredient	Indoxacarb	Zeta-cypermethrin	Dimethoate
Chemical Class	Group 22A - Oxadiazine	Group 3A - Pyrethroid	Group 1B - Organophosphate
Formulation	1.25 lbs. ai/gal.	0.8 lbs. ai/gal.	4.0 lbs. ai/gal.
Signal Word	Caution	Warning	Warning
PHI	7 days	3 days (cutting or grazing) 7 days (harvesting seed)	10 days
REI	12 hrs.	12 hrs.	48 hrs.
Max. use per cutting	11.3 fl. oz./A	8 fl. oz./A per cutting (max 4 fl. oz./A per application)	1 pt./A
Max. use per year	45 fl. oz./A	24 fl. oz./A	1 pt./A
Chemigation Use	Yes	Yes	Yes

Management of Alfalfa Weevils and Other Insect Pests

Program*	Treatment, Rate, and Timing	Comments
Early Application Program	Mustang® Maxx insecticide 4 fl. oz./A at 2-4" new growth followed by Steward® EC insecticide 6-10 fl. oz./A at 6-8" new growth.	If weevils reappear after first application, then follow with Steward EC insecticide.
Aphid and Weevil Program	Mustang Maxx insecticide 4 fl. oz./A + Dimethoate 400 EC insecticide 16 fl. oz./A at 2-4" new growth followed by Steward EC insecticide 6-10 fl. oz./A at 6-8" new growth.	For control of aphids and weevils. If weevils reappear, after first application, then follow with Steward EC insecticide.
One-Shot Steward EC Insecticide Program	Steward EC insecticide 8-10 fl. oz./A at 6-8" new growth.	For moderate weevil pressure and low impact on beneficials when used according to the label.
Two-Shot Steward EC Insecticide Program	Steward EC insecticide 5.3 fl. oz./A at 6-8" new growth followed by Steward EC insecticide 6 fl. oz./A at 10" new growth.	For moderate to heavy weevil pressure and low impact on beneficials when used according to the label.

In addition to control of alfalfa weevils, all programs will provide control of labeled caterpillars and potato leafhoppers. Spotted alfalfa aphids historically are more difficult to control and may require a Group 4C or 4D insecticide. *Per FMC 2(ee) label effective in many states, a Steward EC insecticide rate lower than 6.7 fl. oz./A for alfalfa weevil larvae is allowed.

For Optimal Alfalfa Weevil Control Performance

- ✓ Do not make applications two days before or after significant cold temperature drop.
- ✓ Higher spray volumes of 3-5 GPA by air or 15-20 GPA by ground will provide better coverage and performance.
- ✓ When applying Steward EC insecticide, ensure that 6-8 inches of new growth is present. For optimal control, larvae must consume the treated foliage.
- ✓ Improve coverage and control by adding NIS, COC/MSO or organo-silicone adjuvant at 1/4-1/2% by volume.

