

INSECTICIDE



MANA
Crop Protection

MAKES SENSE.

Silencer[®]

INSECTICIDE

Contains the
same active
as Warrior[®]
or Karate[®]

Key Alfalfa Pests controlled:

- Armyworms
- Cutworms
- Weevils
- Thrips
- Grasshoppers
- See reverse side for spectrum

**More cost-effective
broad spectrum
alfalfa protection.**

EFFICACIOUS: Highly advanced generation pyrethroid provides immediate knockdown and effective control.

DUAL ACTION: Both contact and ingestion activity.

BROAD SPECTRUM: Controls wide spectrum of pests in alfalfa.

FLEXIBLE: Tank mixing with MANA chlorpyrifos 4E AG offers immediate knockdown, excellent residual, and multiple modes of action on pests.

APPLICATION: Labeled for ground and air applications.

ECONOMICAL: Maximize your investment by providing broad-spectrum control, immediate knockdown, and duration of control with one of the most advanced pyrethroids on the market.

RESISTANCE STEWARDSHIP: An excellent foundation to an insecticide spray program that can include tank mixing partner or rotation partners.

CONFIDENCE: Consistent, profitable results with a trusted brand, trusted company.

CROP	TARGET PESTS	RATE		REMARKS
		lb. a.i./A	fl. Oz./A	
ALFALFA AND ALFALFA GROWN FOR SEED	Alfalfa Caterpillar Cutworm spp. Green Cloverworm Looper spp. Velvetbean Caterpillar Webworm spp. Leafhopper spp. Threecornered Alfalfa Hopper	0.015-0.025	1.92-3.20	Apply only to fields planted to pure strands of alfalfa Apply as required by scouting. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. Apply with ground or air equipment using sufficient water to obtain full coverage of foliage. Apply in a minimum of 2 gals./A by air or 10 gals./A by ground. When foliage is dense and/or pest populations are high, use 5-10 gals./A by air or 20 gals./A by ground and higher use rates. Use higher rates for increased residual control.
	Amyworm Corn Earworm Fall Armyworm ¹ Western Yellow-striped Armyworm Yellow-striped Armyworm Alfalfa Weevil Bean Leaf Beetle Blister Beetle spp. Clover Leaf Weevil spp. Clover Root Borer (Adult) Clover Root Curculio spp. (Adult) Clover Stem Borer (Adult) Cowpea Curculio (Adult) Cowpea Weevil (Adult) Cucumber Beetle spp. Egyptian Alfalfa Weevil Grape Colaspis (Adult) Green June Beetle (Adult) Japanese Beetle (Adult) Mexican Bean Beetle Pea Weevil (Adult) Sweet Clover Weevil (Adult) Whitefringed Beetle spp. (Adult) Meadow Spittlebug Plant Bug spp., including Lygus spp. Stink Bug spp. Alfalfa Seed Chaclid (Adult) Blue Alfalfa Aphid Cowpea Aphid Green Peach Aphid Pea Aphid Spotted Alfalfa Aphid Thrips spp. ³ Grasshopper spp.	0.02-0.03	2.56-3.84	Avoid application when bees are actively foraging by applying during the early morning or during the evening hours. Be aware of bee hazard resulting from a cool evening and/or morning dew. It may be advisable to remove bee shelters during and for 2-3 days following application. Avoid direct application to bee shelters. Do not apply more that 0.03 lb. ai. (0.24 pts./A) per cutting. Do not apply more that 0.12 lb. ai. (0.96 pts./A) per season. Do not apply within 1 day of harvest for forage or within 7 days of harvest for hay. ¹ For control of first and second instars only. ² Suppression only. ³ Does not include Western Flower Thrips
	Beet Armyworm ¹ Blotch Leafminer Spider Mites ²	0.03	3.84	

QUALITY PRODUCTS. COMPETITIVE PRICES.

MANA makes sense for growers, for channel partners, for agriculture. MANA offers the most comprehensive and diversified portfolio in the crop protection industry with over 50 formulations of insecticides, fungicides, herbicides, PGRs and harvest aids from more than 40 active ingredients. These proven products are efficiently manufactured to the highest standards and value priced to optimize the farm's profitability potential. As the North American arm of the world's seventh largest agrochemical company, MANA provides best-in-class formulations, regulatory capabilities, field research, and a science-based approach to defend and maintain vital active ingredients that other companies have abandoned. Our area business management team throughout the U.S. supports the distributors, retailers, crop consultants and agronomists who are part of the supply chain that farmers and farm managers rely on for localized expertise.

www.manainc.com



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