

 Scuter, ME

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 New

microemulsion

emamectin benzoate 50 g/L + lambda-cyhalothrin 50 g/L

It is a translaminar insecticide of contact-intestinal action for the control of lepidopteran pests in maize and sunflower crops.

Advantages:

- Dual mode of defense: combination of active ingredients from different classes
- Impact on different targets of the neuromuscular system of pests
- Fast knockdown of all larval stages and extended residual protection
- Effective NANOformulation: microemulsion
- Aerial spraying is allowed

Action

Mode of action

Emamectin benzoate is an insecticide belonging to the class of avermectins with contact-intestinal action. It disrupts the function of the nervous system by blocking the transmission of nerve impulses at the neuromuscular synapse. According to the IRAC classification, emamectin benzoate belongs to Group 6 — allosteric modulators of glutate-dependent chloride channels. It has a translaminar action.

Lambda-cyhalothrin is a contact-intestinal insecticide characterized by rapid initial toxicity and high photostability, and has a long-term protective effect on the surface of plants. According to the IRAC classification, lambda-cyhalothrin belongs to Group 3 — sodium channel modulators. It affects calcium metabolism in synapses and sodiumpotassium channels, disrupting the function of the nervous system. This leads to a significant excess release of acetylcholine during the passage of a nerve impulse.

Protective effect period

Not less than 14 days.

Rate of exposure

Caterpillars stop eating after 1-4 hours, death occurs on days 1-3, depending on age.

Usage regulations

Crop	Harmful object	Consumption rates of preparation, l/ha	Consumption rates of working liquid, l/ha	Method, treatment time, and application features	Safety intervals (treatment frequency)

Sunflower	Cut worms	0.3-0.4	100-200	Spraying sprouts	21(2)
	Cotton moth, meadow moth	0.3-0.4 0.3-0.4(A)	200-400 25-50(A)	Spraying during the growth period	
Maize	Cut worms	0.3-0.4	100-200	Spraying sprouts	21(2)
	Cotton moth, meadow moth	0.3-0.4 0.3-0.4(A)	200-400 25-50(A)	Spraying during the growth period	

General information

Chemical class

avermectins, pyrethroids

Storage conditions

Keep the preparation in a room dedicated for pesticide storage. Temperature range is minus 15 °C to plus 35 °C. Stir before use.

Shelf life

2 years

Hazard class

3 - for humans

1 - for bees

Packing

5 liter PE container

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia