



Twingo, SC

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suspension concentrate

diflubenzuron 180 g/L + imidacloprid 45 g/L

Contact enteric and systemic insecticide used to protect apple trees, pear trees, and grapes from gnawing and sucking insects

Advantages:

- Unparalleled insecticide
- Has a potent insecticidal effect due to a combination of two active ingredients that belong to different chemical classes and have different mode of action
- Pest control at all stages of their development: from egg to imago
- Long-term protective effect
- Guaranteed control of pest populations that have developed resistance to the insecticides of other chemical classes
- An excellent component of anti-resistant garden protection programs

Action

Mode of action

Diflubenzuron belongs to the class of chitin synthesis inhibitors, blocks its formation, and interferes with the formation of the cuticle during molting. The product has ovicidal and larvicidal contact enteric effects. The active ingredient penetrates the eggshell and prevents larvae hatching or kills the insect larvae of different ages as a result of cuticle rupture during molting. If a larva is treated with the product at the latest age, cuticle formation may be disturbed in the pupa or adult insects. The maximum manifestation of the ovicidal effect is observed when the eggs are laid on the treated plants. Also, the product is able to additionally prevent laying viable eggs by adult insects.

Imidacloprid has a systemic and acute contact enteric effects. It blocks postsynaptic nicotinergerg receptors of the nervous system in insects. As a result, the transmission of signals via the pest central nervous system is inhibited, paralysis and convulsions develop, which causes the death of pests. Active ingredient exhibits high residual activity.

Period of protective effect

Not less than 14 days.

Rate of exposure

High rate of toxic effect. The death of imago is observed within 24 hours, larvae die within several days.

Usage regulations

Crop	Pest	Consumption rates of product, l/ha	Consumption rates of working solution, l/ha	Method, time, features of application. Timeframes for the start of manual (mechanized) work, days	Safety interval, days (number of applications)
Apple tree	Apple worm, leafrollers	0.75-1.2	600-1200	Treatment during growing season: -(3)	20(2)

Apple blossom weevil	600-800	Treatment in the period of bud detachment -(3)		
Pear tree	Pear psylla	600-1200	Treatment during growing season: -(3)	
Grapes	European grape moth, brown marmorated stink bug	0.75-1.2	500-1000	Spraying during growing season -(3)

Method of application. Procedure for the working liquid preparation

Prepare the working liquid immediately before use and use it on the day of preparation.

Fill the sprayer tank half full with water, start the stirrer, add the full dose of the product, add the remaining water, and stir. Flush the product canister with water several times and pour the water into the sprayer tank. Mix the entire volume thoroughly.

For spraying, commercially available ground sprayers are used intended for the application of insecticides, or remote garden sprayers.

Compatibility with other pesticides

Compatible with most pesticides. Before large-scale application, it is necessary to check the physical, chemical and biological compatibility with a particular product at recommended doses.

Phytotoxicity

The product is not phytotoxic at the recommended consumption rates.

Probability of resistance

Resistance has not been observed if used in the recommended consumption rates and method of application.

General information

Chemical class

benzoylurea derivatives, neonicotinoids

Storage conditions

Keep the preparation in a room dedicated for pesticide storage. Temperature range is minus 10 °C to plus 35 °C. Stir before use.

Shelf life

3 years.

Packing

5 liter PE container

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia