

 Diflomite, SC

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suspension concentrate

diflovidazin 200 g/L

A powerful contact acaricide of a new chemical class for control of mites on apple trees, grapes, and soybeans.

Advantages:

- An unparalleled acaricide
- A unique mode of action at all stages of a life cycle of various mite species
- Elimination of mites at the back of the leaf by means of translaminar activity
- Effective impact on winter and summer ovipositioning
- Additional sterilizing effect on female mites
- High selectivity to useful entomofauna
- A perfect tool for anti-resistance crop protection programs

Action

Mode of action

Diflovidazin is a contact acaricide of tetrazines class with translaminar action and sterilizing properties (females lay sterile eggs). Effectively impacts the mites during the whole life cycle (including the impact on winter and summer ovipositioning). Inhibits larval processes, prevents the completion of molting in postembryonic insects. Has a pronounced hormonal and transovarian action, affecting the eggs forming in a female's body. Enters the eggs at the back of the leaf by means of translaminar activity.

Protective effect period

Not less than 14 days

Rate of exposure

High

Usage regulations

Crop	Harmful object	Consumption rates of preparation, l/ha	Consumption rates of working liquid, l/ha	Method, treatment time, and application features. Period of manual (mechanized) work	Safety intervals (treatment frequency)
Apple tree	Mites	0.24-0.45	600-1,200	Spraying during vegetation at a concentration of 0.04%.	30(1)
Grapes	Mites	0.2-0.4	500-1,000	Spraying during vegetation at a concentration of 0.04%.	30 (1)

Soybean	Mites	0.3	200-300	Spraying during the growth period.	36 (1)
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Product application features

To maximize acaricidal efficacy, it is recommended to:

- initiate treatments before mite populations exceed the economic injury level (EIL) and before visible leaf damage appears;
- enhance translaminar activity by using oil-based adjuvants, etc.

Application method. Working solution preparation procedure

Prepare the working solution in a sprayer mixer in accordance with the consumption rates and the application procedure.

In absence of a mixer, the working solution can be prepared in the sprayer tank as follows:

- fill the sprayer tank one-third full with water
- start the stirrer and pour the required amount of the product in the tank
- while the stirrer is operating, fill the tank with water to the required level
- keep mixing the working solution during spraying
- use the working solution within a day and wash the sprayer afterwards.

Prepare the working solution of the product and refill the sprayer at designated places that are to be deactivated later.

Perform spraying using commercially available sprayers with nozzles intended for spraying of acaricides and insecticides.

Compatibility with other pesticides

Compatible with most pesticides. Before application, check the chemical and biological compatibility with a particular product at recommended doses.

Selectivity

Has no negative impact on bees, predator mites, predator bugs, lacewing larvae, Stethorus bugs, Encarsia.

Phytotoxicity

The product is not phytotoxic if used in the recommended consumption rates.

General information

Chemical class

tetrazines

Formulation

suspension concentrate

Hazard Class

3, moderately hazardous substance

Shelf life

3 years

Storage temperature

-5 to +50°C

Package

5 L

Registrant

Agro-Kemi KFT, Hungary

Manufacturer

Agro-Kemi KFT, Hungary