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Shirma, SC

suspension concentrate

fluazinam 500 g/l

Highly effective contact fungicide for controlling potato late blight, apple scab, mildew and black spot of grapevine.

Advantages:

— Protects potato sprouts, destroying the primary infection in the soil and significantly reducing the risk of infection

— Prevents the spread of infection to the healthy tops and excellently protects the tubers from infection

— Effectively protects the apple tree from scab, grapes from mildew and black spotting

— Has a high resistance to rainfall washing, ensuring a stable protection in conditions of watering and precipitation

— Does not have phytotoxicity to culture

— Can be used throughout the growing season, without fear of the emergence of resistant strains of pathogens

Action

Mode of action

Fungicide with protective effect. It also has mild curative and systemic effects. It has a longer period of protection and is also resistant to rainwash. *Fluazinam* affects the pathogen in two ways: by suppressing the breathing process through inhibition of the energy exchange in the pathogen cells and by preventing spore germination and their motility. The dual mode of the product action has a significant advantage over other contact fungicides, so it can be used throughout the growing season without the risk of the emergence of resistant pathogen strains.

Period of protective effect

It has long-term protective effect (7-14 days).

Rate of exposure

The effect comes over 2 to 3 hours post-treatment.

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)
Potato	Late blight	0.3-0.4	200-400	Spraying during growing season: the first preventive spraying is to be performed during the stem stretching stage, subsequent spraying should be performed at an interval of 7-10 days	7(4)

Apple tree	Scab	0.5-0.75	800-1000	Spraying during growing season: the first preventive spraying is to be performed during the green cone or pink bud stages, subsequent spraying should be performed at an interval of 7-10 days	28(3)
Grapes	Mildew, black spot	0.5-0.75	800-1000	Spraying during growing season: the first spraying is preventive, subsequent spraying should be performed at an interval of 10-14 days	20(3)

Method of application. Procedure for the working liquid preparation

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

Mix the product in its sales packaging, measure the amount of the product required for one sprayer filling. Fill the sprayer tank half full with water. With continuous stirring, add the measured amount of the product into the sprayer tank. Flush the product container with water several times and pour the water into the sprayer tank. Fill the sprayer tank up with water. Continue stirring during the treatment of the plants.

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

The refilling places should be remote from residential buildings, farmyards, sources of water supply, forage storage areas, and food crops.

Compatibility with other pesticides

Compatible with most insecticides, fungicides, and agrochemicals used in the same timeframes. It is not recommended to use the product in the tank mixture with the products that exhibit an alkaline reaction. Before large-scale application, it is necessary to test the chemical and biological compatibility with a particular product at recommended doses.

Phytotoxicity

The product is not phytotoxic if used in 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

pyridine derivatives

Transport and storage conditions

Comply with all conventional rules of toxic substance transport. Keep the preparation in a room dedicated for pesticide storage. Storage temperature range - minus 10 C to plus 35 C. Stir before use.

Shelf life

3 years

Hazard class

Hazard class 3, moderate hazard

Packing

5 liter PE container

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia