SCHELKOVO AGROHIM

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Biocomposite PRO, L

based on the bacterium strain Pseudomonas asplenii, titer no less 109 CFU/ml

A microbiological fungicide for an integrated fruit and vegetable crop protection system

Advantages:

- Completely safe for the environment (an EcoPlus product)
- Unique composition: a highly effective proprietary Pseudomonas strain
- Inhibits a wide range of phytopathogens and promotes endogenous immunity
- Increases the resistance to adverse weather conditions
- Has a growth-promoting effect
- Has both preventive and curative properties
- Requires no waiting time after treatment

Action

Mode of action

Biocomposite PRO, L, is based on live cells of Pseudomonas selected by their ability to suppress the development of various phytopathogens. The protective effect is based on the ability of bacterial cells to produce extracellular metabolites (siderophores, phenazines, etc.) that inhibit the growth of phytopathogenic bacteria and fungi while promoting endogenous immunity. Moreover, bacterial cells produce indolyl-3-acetic acid (IAA, growth promoter) and various organic acids that convert insoluble phosphates in the soil into plant-available forms and produce a variety of phytohormones.

Biocomposite PRO, L, a biological fungicide, provides the best effect against diseases when used both during the pre-sowing seed treatment and growth period.

Pseudomonas bacteria have a systemic effect: they protect all organs of the plant, promote its growth, improve product quality and enhance growth processes, productivity and resistance to various adverse environmental factors. They also have a fungistatic effect, i.e., inhibit the disease at the stage of mycelium growth and sporulation.

Protective effect period

After soaking the seeds, the product acts on the roots of the plants throughout the growing season. The bioproduct acts on the stems and leaves of plants for 10-20 days, depending on the degree of infection and weather conditions.

Usage regulations

Crop	Harmful object	Product consumption rate, l/ha	Working liquid consumption rate, l/ha	Method, time, features of application	Waiting time, days (number of applications)

Apple tree	Scab, moniliosis, powdery mildew	1.0-3.0	800-1000	Spraying during the growth period and before harvesting	7(4)
Grapes	Mildew, Oidium, grey mould	1.0-3.0	800-1000		7(4)
Tomatoes (greenhouse)	Fusarium, Rhizoctonia, Pythium and bacterial root rots	0.1 l/kg	1.0-1.5 l/kg	Soaking of seeds 1 day before sowing	-(1)
	Brown spot, powdery mildew, downy mildew, late blight	5.0-10.0	500-1000	Spraying during the growth period, every 20 days	7(4)

Compatibility with other pesticides
Compatible with microbial fertilizers. Not compatible with chemical products.

General information

Formulation
liquid

Hazard class
hazard class 3, moderately hazardous substance

Shelf life

3-6 months

Storage temperature range

+4°C to +25°C

Packaging

10 L

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia