

 Tuareg, SME

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suspension microemulsion

imidacloprid 280 g/l + imazalil 34 g/l + tebuconazole 20 g/l

Insect-fungicide treatment for grain crop seeds treatment. Efficient control over the distribution of seed and soil infection and protection of sprouts against pests.

Advantages:

- A ready-made solution to two problems
- Enhanced insecticidal activity for reliable crop protection under high pressure from soil- and ground-dwelling pests
- Long-term disease control under moderate disease pressure
- Healthy and vigorous crop development across diverse climatic conditions
- Proven effectiveness in all cereal-growing regions
- Highly homogeneous working solution with excellent application properties
- Deep seed penetration, preventing component loss during transport and sowing

Action

Mode of action

The product contains three active ingredients imidacloprid, imazalil and tebuconazole that act in synergy to deliver high efficacy against a complex of seedlings diseases and pests.

Imazalil provides local-systemic protection of the root system. The effect of imazalil is based on inhibiting ergosterol synthesis, thereby disrupting pathogen cell membrane integrity.

Tebuconazole has a systemic translocating action, protecting the seedling. The action of tebuconazole is based on inhibiting sterol biosynthesis in pathogenic organisms, which leads to altered membrane permeability, reduced reproduction, and pathogen cell death.

Imidacloprid has a systemic action, actively affects the nervous system of pests by blocking nicotinic acetylcholine receptors of the postsynaptic nerve. Pests perish within hours of contacting the seeds or consuming the plant.

Protective period

Optimum combination of active ingredients ensures prolonged protection of plants against diseases for up to 8 weeks and against pests for up to 4 weeks (depending on the crop and the harmful object).

Spectrum of action

Brown rust, Helminthosporium root blight, black smut, powdery mildew, seed mold, dust-brand, snow mold, covered smut, fusarium root rot.

Corn flies, greenflies, ground beetles, flea beetles, frog-flies.

Usage regulations

Crop	Harmful object	Consumption rate preparation, l/t	Method, treatment time, and application features	Safety intervals (treatment frequency)

Spring and winter wheat	Covered smut	1,0-1,4	Preliminary seed treatment (up to 1 year) or immediately before sowing. Consumption rate working liquid up to 10 l/t.	-(1)
	Dust-brand, fusarium root rot, Helminthosporium root blight, seed mold, including Alternaria seed infection. Powdery mildew, brown rust (at early development stages)	1,2 -1,4		
Winter wheat	Snow mold	1,4		
Spring and winter barley, including brewer"s barley	Covered (stone) smut	1,0-1,4		
	Dust-brand, black smut, Helminthosporium root blight, fusarium root rot, seed mold, including Alternaria seed infection	1,2-1,4		
Wheat, barley, including brewer"s barley	Ground beetles, flea beetles, corn flies, greenflies, frog-flies	1,0-1,4		

Application technology. Procedure for working liquid preparation

The working solution must be prepared immediately before seed treatment. Fill the tank with water and pour the preparation in the required volume stirring it continuously. Seeds should be treated using pickling machines for liquid preparations. The working solution preparation and seed treatment should be carried out at centralized treatment sites.

Phytotoxicity

In recommended dosages, the preparation is not phytotoxic.

Resistance likelihood

Due to the unique combination of active ingredients and various mechanisms of action, no resistance has appeared.

General information

Chemical class

neonicotinoids, imidazoles, triazoles

Storage conditions

To be kept in the premises intended for storing pesticides. The temperature interval for storage is from -10°C to +30°C

Guaranteed shelf life

Guaranteed shelf life: 2 years

Package

PE canister of 5 l

Hazard class

Hazard Class 2, highly hazardous substance

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia