Schelkovo Agrohim
Zavodskaya street 2
141108 Schelkovo
Russia
+7 495 745 0551, 745 0198
info@betaren.ru

Protego Max, ME

microemulsion

prothioconazole 75 g/L + pyraclostrobin 25 g/L + tebuconazole 25 g/L

A three-component fungicidal seed protectant in an innovative formulation for protection of cereal crops and getting high yields under conditions of increased risk of diseases

Advantages:

— Premium class protection ensured by the new, most effective combination of the 3 most active ingredients and innovative formulation

— Maximum efficacy under conditions of high infection load and long-term protection against pathogens

— Improved action against pathogens causing Fusarium blight, Septoria spot and diseases of rhizosphere

— Immunostimulatory effect

— A pronounced physiological effect: strong sprouts and root system, high tillering index, improved photosynthetic activity

— High winter hardness and resistance to drought and temperature extremes

— Maximum yield and high-quality grain

Action

Mode of action

Tebuconazole is effective against superficial and internal seed infection and protects sprouts against a wide range of pathogens on the surface and inside a seed.

Prothioconazole is a systemic fungicide with a protective, eliminating and curative effect.

It is effective against superficial and internal seed infection and protects sprouts against molding, soil pathogens and aerogenic infections.

Prothioconazole affects physiological processes in a plant and ensures development of a strong root system, strong sprouts, increased tilling capacity and drought resistance. Moreover, it has a specific impact on winter hardness of plants.

Pyraclostrobin mostly has contact action. It is fixed perfectly on the treated grain surface and shows maximum fungicidal activity in the seed area.

It inhibits mitochondrial respiration of fungal pathogens.

It actively impacts biological and physiological reactions in plants starting from sprouting and ensures development of the root system resistant to drought and other abiotic stress factors.

A strong synergism and mutually reinforcing effects of three active ingredients of two different chemical classes ensure high-quality and long-term protection of roots and sprouts of cereal crops against numerous phytopathogens. Two active ingredients with additional physiological impact on plant growth and development contribute to increased yields and better quality of grain.

Protective effect period

The product is effective against superficial and internal seed infections as well as a number of pathogens that affect plants in a later period of vegetation.

Rate of exposure

The fast initial effect after treatment, with penetration into the plant starting from sprouting and subsequent even distribution in the plant as it grows and develops.

Action spectrum

Presowing treatment of grain seeds against various types of diseases.

Usage regulations

Crop	Harmful object	Product consumption rate, L/t	Working liquid consumption, L/t	Method, time, and features of application	Safety intervals (treatment frequency)
Spring and winter wheat	Stinking smut, loose smut, Helminthosporium and Fusarium root rots, Septoria spot, seed molding, Alternaria seed infection	0.8–1.0	10	Seed treatment immediately before sowing or in advance	–(1)
Winter wheat	Fusarium snow mold, Cercosporella crown rot	1.0			
Spring and winter barley	Covered smut, loose smut, Helminthosporium and Fusarium root rots, barley net blotch and stripe, seed molding, Alternaria seed infection	0.8–1.0			

Application technique. Procedure for the working liquid preparation

Prepare the working liquid immediately before treating the seeds.

Fill the tank up with water and add the required amount of the product with continuous stirring. Flush the product container with water several times and pour the water into the tank of the pickling machine.

Perform preparation of working liquid and seed treatment at centralized treatment stations.

Resistance probability

The development of resistance is highly unlikely if used in accordance with the recommended consumption rates and method of application.

Compatibility with other pesticides

May be used in combination with insecticidal seed protectants. Before application of tank solutions of different products, it is recommended to check their chemical and biological compatibility.

Phytotoxicity

The product is not phytotoxic at observance of the procedures for the product application

General information

Chemical class

strobilurins, triazoles

Hazard Class

2, highly hazardous substance

Shelf life

3 years

Storage temperature

-15 to +30°C

Package

5 L

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia