



Mysteria, ME

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microemulsion

pyraclostrobin 80 g/L + tebuconazole 80 g/L + difenoconazole 40 g/L

A microemulsion fungicide with a strong protective and curative effect against leaf diseases of various etiologies, as well as a pronounced physiological effect

### Advantages:

- A new combination of 3 active ingredients of different chemical classes in an innovative formulation
- A combination protective mechanism: powerful prophylactic effect + "stop effect" + elimination
- Prevention of secondary contamination
- A pronounced curative effect at all stages of the disease
- Improved control of pathogens causing downy mildew, Cercospora spot, Phoma rot
- Prolonged period of protection
- Decreased sensitivity of crops to the long-term impact of stress factors: high temperatures, drought, temperature extremes, etc.

- A pronounced physiological effect: longer life of a green leaf, prolonged period of photosynthetic activity, maximum accumulation of sugars and transfer of nutrients to the developing crop

## Action

### **Mode of action**

The pronounced synergism and complementary action of the three active ingredients strobilurin and two triazoles deliver prolonged protective activity, rapid and strong curative effects, and strong antispore action against a wide range of pathogens at all stages of infection (immediate arrest of disease development followed by eradicating effect and a durable preventive barrier).

Pyraclostrobin, an active substance of strobilurins class, has a contact and translaminar activity, with a protective, curative and eradicating effect against a wide range of pathogens, including Oomycetes. The active ingredient is rapidly absorbed by the plant and primarily retained in the leaf cuticular wax layer. As a result, a reservoir of active substance is formed on the leaf surface, which is not washed off by precipitation and provides long-lasting protection against fungal infections. Good translaminar movement through the leaf allows the product to control pathogens on both sides of the leaf. The component is most active in preventive treatments.

The mode of action of strobilurin is to inhibit mitochondrial respiration of pathogenic fungi; the germination of fungal spores into plant tissue is inhibited, and mycelial growth is blocked. It is a strong antispore.

Pyraclostrobin actively influences the biological and physiological reactions of plants, resulting in the green leaf effect, effective preservation of green matter and nutrient supply for a high-quality crop.

Difenoconazole and tebuconazole are triazole-class active ingredients with strong systemic properties but differing mobility within the plant.

The mode of action is to inhibit sterol biosynthesis in fungal cells, thereby suppressing the growth of vegetative structures. Their systemic activity ensures distribution throughout the plant, reaching all sites of infection.

### **Period of protective effect.**

21-28 days.

### Rate of exposure

The protective effect of the product starts from the moment of treatment

## Usage regulations

Crop	Harmful object	Consumption rate product, L/ha	Consumption rate working solution, L/ha	Method, time, features of application	Safety interval, days (number of applications)
Sugar beet	Cercospora spot, powdery mildew, Phoma rot	1.0-1.25	300	Spraying during the growth period after the first signs of one of the diseases. Subsequent spraying after 10-14 days	21(1-2)
Soybean	Ascochitosis, Cercospora spot, Septoria spot, downy mildew	1.0-1.25	200-400		21(1-2)
Sunflower	Alternaria leaf mold, white rot, blossom blight, Phoma rot, rust	1.0-1.25	200-400		40(1-2)
Spring and winter rapeseed	Alternaria, fomosis, white rot (sclerotinia)	1.0-1.25	200-300	Spraying during the growth period	30(1-2)

Maize	stem rots caused by Helminthosporium disease and Fusarium blight, Helminthosporium spot disease, blister smut, kernel rot, ear mold	1.0-1.25	200-300	Spraying during the growth period	30(1-2)
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### Compatibility with other pesticides

Before application of tank solutions of different products, it is recommended to check their chemical and biological compatibility.

## General information

### Chemical class

strobilurins, triazoles

### Formulation

microemulsion

### Hazard Class

2, highly hazardous substance

### Shelf life

5 years

### Storage temperature

-15 to +35°C

### Package

5 L

**Registrant**

Schelkovo Agrohim, Russia

**Manufacturer**

Schelkovo Agrohim, Russia