



Depozit Supreme, ME

microemulsion

fludioxonil 40 g/l + imazalil 40 g/l + mefenoxam 15 g/l

A special-purpose fungicidal seed treatment for grain legume, industrial crop, etc.

Advantages:

- The best protection of seeds from both inside and outside ensured by the NANOformulation
- Control of the broadest range of seed-borne and soil infections with a lower active substance concentration
- The best efficacy against Fusarium pathogens
- Reliable control of root rots, including Pythium root rots
- Complete absence of retardant effect
- Protection and formation of strong roots
- Active promotion of green matter formation, starting from the early development phases of the crop
- Reduced toxic load

Action

Depozit Supreme, ME, seed treatment contains three active substances (fludioxonil, imazalil and mefenoxam) that supplement each other and demonstrate pronounced synergy. Because of this composition in the NANOformulation, the product works in four directions:

1. Reliably protects the seed from surface and intraseed infections, including deep tissue infections.
2. Decontaminates the soil around the seedbed, preventing soil infections of seeds and seedlings.
3. Prevents early-season air-borne diseases affecting the crops at early development phases.
4. Promotes the formation of strong and healthy roots and green matter, thus increasing crop resistance to adverse environmental factors.

Fludioxonil, a phenylpyrrole, has a contact action with long-term residual activity. It is highly effective against surface seed-borne and soil infections. It protects the seedbed from a wide range of phytopathogens, particularly *Fusarium* fungi. The mechanism of action of fludioxonil involves the inhibition of glucose phosphorylation during cellular respiration, which disrupts the functioning of fungal cell membranes and slows mycelium growth.

Fludioxonil is low-toxic for warm-blooded animals and humans. It has a sparing effect on soil microbiota.

Imazalil belongs to imidazoles. It has a local systemic action and protects roots. It is highly effective against pathogens that cause root rots as well as air-borne infections. The effect of imazalil is based on inhibiting the synthesis of ergosterol that affects the permeability of pathogen cell membranes.

Mefenoxam, a phenylamide, has a systemic effect and spreads quickly in plants during growth. It protects roots and seedlings. It is effective against seed-borne and air-borne infections. It is extremely effective against pathogens that cause root rots.

Mefenoxam is an optically pure isomer of metalaxyl. The concentration of mefenoxam in the product is two times lower than in the reference seed treatment, while the biological efficacy remains high. It ensures that the toxic load on the agrocenosis is reduced.

Mefenoxam inhibits protein synthesis in fungi by suppressing ribosomal RNA synthesis.

Protective effect period

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

Rate of exposure

The fungicidal effect occurs from the time of treatment and protects the plant in the most defenseless period.

Usage regulations

Crop	Harmful object	Product consumption rate, l/t	Working liquid consumption rate, l/t	Method, time, features of application	Waiting time, days (number of applications)
Soybean	Fusarium root rot, Ascochyta blight, Fusarium blight, seed mould	1.0-1.2	6-8	Seed treatment immediately before sowing or in advance	-(1)
Peas	Root rots, Ascochyta blight, seed mould		6-8		
Chickpeas	Fusarium root rot, Ascochyta blight, Fusarium blight, seed mould		6-8		
Lupine	Fusarium root rot, Fusarium wilt, seed mould, including Alternaria seed infection		8-10		

Potato	Rhizoctonia root rot, Fusarium blight	0.25-0.4	10	Pre-planting treatment of tubers	
Maize	Bubble bunt, fusarium root and stem rots, cob mold, seed mold	1.0-1.2	10	Seed treatment immediately before sowing or in advance	-(1)
Sunflower	Fusarium root rot, gray rot, white rot (root form), false powdery mildew, fomopsis, alternaria, seed molds	1.0-1.2	10	Seed treatment immediately before sowing or in advance	-(1)

Compatibility with other pesticides

Compatible with insecticidal seed treatments and agrochemicals produced by Schelkovo Agrohimi used for treating seeds of legumes and oilseeds. Before large-scale application, chemical and biological compatibility with specific products at recommended doses must be verified.

General information

Chemical class

phenylpyrroles, imidazoles, phenylamides

Formulation

microemulsion

Storage conditions

To be kept in the premises intended for storing pesticides. The temperature interval for storage is from -10°C to +35°C.

Shelf life

5 years

Package

5 L

Hazard class

Hazard Class 3

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia