



EKOseed® CEREALS

Mix of microorganisms for industrial crops seeds treatment

EKOseed® CEREALS is a microbial fertilizer fit for seeds treatment of industrial and extensive crops, made up of different fungi and bacteria, which re-create the Rhizosphere ecological balance.

Arbuscular mycorrhizae work in synergy with the bacteria in promoting roots growth, nutrients absorption and competition with biotic stresses.

The bio-stimulant effect is given by phytohormones (IAA and gibberellins) and vegetal-hormones-precursors release. These substances induce a better roots development, even under nutritional deficit, which enables the exploration of a larger area of soil and the access to recalcitrant nutrients and water deposits. Plant-bacteria interaction stimulates the development of roots hair, maximizing the absorption of nutrients in soil.

The bio-fertilizing effect is due to the efficient mobilization of the least available nutrients for the plant (Organic Nitrogen, Phosphorus, micro-elements).

Mycorrhizae develop a widespread and capillary hyphae network, able to reach mineral deposits even far away from the root, mobilize them and bring in the plant xylematic flow.

Rhizobacteria, as *Bacillus* and *Pseudomonas*, produce lytic enzymes, organic acids and siderophore substances, able to solubilize and make available Phosphorus, Nitrogen and micro-elements such as Iron, Manganese and Zinc. Iron is one of the fundamental elements for diseases development, thus restricting their growth.



COMPOSITION

Mycorrhizae	0,5%
Rhizobacteria (<i>Pseudomonas spp.</i> , <i>Bacillus spp.</i> , <i>Streptomyces spp.</i>)	$9,6 \times 10^8$ CFU/g
Fungi (<i>Trichoderma spp.</i>)	$5,0 \times 10^5$ CFU/g



PACKAGE

Bag	12x1 kg
Bag	10 kg

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ADVANTAGES

Increase in yield.

Increase in seeds germinability.

Improvement in Organic and Mineral fertilization.

Increase in wheat protein content.

Increase in Wheat flour salubrity, thanks to contribution of Phosphorus and micro-elements.



APPLICATION RATES

CROPS	RATE	APPLICATION
Wheat, Barley, Oat, Rye, Farro, Lentil	100 g/100 kg of seeds	<p>EKOseed® CEREALS can be applied both as</p> <ul style="list-style-type: none"> - dry treatment: spreading the product over the seeds in the hopper while seeding, or - liquid treatment: diluting the product in the correct amount of water to treat the seeds. <p>EKOseed® CEREALS can be applied on already treated seeds as well.</p>
Corn, Sorghum	300 g/100 kg of seeds	
Soybean, Beans, Fava bean, Green beans, Chick peas	150 g/100 kg of seeds	
Sunflower	15 g/kg of seeds	
Rapeseed	10 g/kg of seeds	
Tobacco	30 g/kg of seeds	
Sugar beets	100 g/kg of seeds	



TECHNICAL NOTES

EKOseed® CEREALS can be applied both as liquid and dry seed treatment.

EKOseed® CEREALS can be applied on already treated seeds as well.