

Instructions for use

NovaFerm® products

Complex NP Ca/Mg + Zn+Fe-containing starter microgranulate

EC fertilizer

Culture	Dose	Proposed use
Maize, soya, sunflower, sugar beet	25 kg/ha	incorporated into the seedbed by sowing
Cereals, rape, sorghum	30 kg/ha	incorporated into the seedbed by sowing
Vegetables	25 kg/ha	by sowing, or before planting
Grapes, orchards	20-80 g/ stump	by planting

A NEW ERA IN PRODUCTION



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**Future
defined at start**

Complex NP - Ca/Mg + Zn+Fe-containing Microgranulatum

EC fertilizer

NovaStart basic starter is an element of environmentally conscious and cost-effective plant production agrotechnologies.

Microgranulated starter manure is an environmentally friendly plant nutrition facility where the costs of the NPK basic and N topsoil application in the stand can be reduced depending on supply and the crop-based target. In addition to its high water-soluble phosphorus content, it contains all the meso- (Ca, Mg) and microelements (Fe, Zn), natural stimulators (NovaFern VIVA®) that are most important for the initial development of plants.

Nutrient	Concentration m/m %
Nitrogen	≥ 10,0
Phosphor (P2O5)	≥ 38,0
Magnesium (MgO)	≥ 6,5
Calcium (CaO)	≥ 9,5
Zinc	≥ 2,0
Iron	≥ 0,5

Physical and chemical characteristics

Property	Value
Nitrogen (m/m%)	≥ 10,0
Phosphor (P2O5 m/m%)	≥ 38,0
Magnesium (MgO m/m%)	≥ 6,5
Calcium (CaO m/m%)	≥ 9,5
Zinc (Zn m/m %)	≥ 2,0
Iron (Fe m/m %)	≥ 0,5
Particle size (0,4-1,2 mm)	95%
Density (kg/m3)	870- 950
Moisture (m/m%)	1,0
Color	from greenish-blue to brown

In the case of arable and horticultural crops, high phosphor, natural stimulants and other micro-nutrients applied in one pass by sowing or planting ensure an efficient and rapid growth of the crop in the early phenophase by promoting an initial rapid root growth. In the case of negative weather effects or other depressive environmental conditions, malformations resulting from the lack of phosphor can be effectively prevented by the use of the product, ensuring dynamic development.

Through the formulation of microgranules (particle size: 0.5–1 mm) it ensures a perfect distribution in the immediate vicinity of the sown seed in the seedbed, its components can be taken from the roots of the crop from the beginning. Early more intense root formation results in a higher root mass, so the plant is better able to withstand adverse weather periods (drought). This positive effect is also reflected in the quantity and quality of the crop.

Efficient and economical

The specific surface area of the microgranules is larger than that of the conventional granules (about 2.000 granules/g). As the ability of phosphorus to move in the soil is limited, it is of great importance that the surface area on which the root hair can come into contact to the phosphor nutrients in the soil and to other meso- and microelement nutrients. A suitable particle size distribution (0,5 to 1 mm) of the product ensures the perfect distribution around the core, allowing the roots of the plant can absorb the nutrients essential for early development from the very beginning.