



## Description

ZeoFert® is a mineral starter fertilizer, containing the essential nutrients to attain higher crop yields with unsurpassed health and quality at much lower costs. Due to its 100% NATURAL composition it does NOT burn the roots or increase the salt content in soils, thus having a soil lifespan larger than any chemical because of its low solubility, hence not being subject to leaching.

ZeoFert® is recommended for all crops and all types of soils since it combines, along with the major nutrients, the full range of micro-elements necessary for optimal crop development, as well as humic and fulvic acids that improve eroded soils.

## Chemical composition

ELEMENT	VALUE
Nitrogen (N) .....	3.74%
Phosphorus (P <sub>2</sub> O <sub>5</sub> ) .....	9.38%
Potassium (K <sub>2</sub> O) .....	2.06%
Calcium (CaO) .....	16.05%
Magnesium (MgO) .....	3.35%
Sulfur (SO <sub>3</sub> ) .....	2.97%
Total Silicon (SiO <sub>2</sub> ) .....	38.93%*
Iron (FeO) .....	2.68%
Manganese (MnO) .....	250 ppm
Aluminium (Al <sub>2</sub> O <sub>3</sub> ) .....	3.13%**
Sodium (Na <sub>2</sub> O) .....	0.21%
Zinc (Zn) .....	179 ppm
Boron (B) .....	4.72 ppm
Copper (Cu) .....	4.05 ppm
Molybdenum (Mo) .....	1.7 ppm
Cobalt (Co) .....	13 ppm
pH .....	7.65

\*Available Silicon: 8.5%.

\*\*Does not create toxicity, since it is NOT available.



## Benefits

- Stabilizes both acid and alkaline soils, regulating their pH, thus unblocking nutrients and making them available for the plants.
- Buffers the effects of excessive sodium content, toxic chemicals and heavy metals and reduces nitrate leaking into soils and groundwater.
- Promotes root penetration through a better water and oxygen intake, improving soils structure through aeration and water retention.
- Provides available silicon, which develops the defense and hormonal mechanisms of the plant.
- Promotes healthier plants, boosting nutritional values such as protein content, essential oils, sugar content in fruits and vegetables.
- Increases the produce shelf life through a more complete nutrition.
- Does not burn the roots, hence, it can be applied directly.
- Does not pollute nor salinize soils, since it does not contain chemical carriers.

## Recommendations

Fruits and trees (in production) .....	7 - 10 kg/plant/year
Grains and legumes ....	450 - 550 kg/Ha
Vegetables .....	800 - 1,000 kg/Ha + N source (organic or chemical)
Berries .....	100 - 120 gr/plant/year

The Nitrogen content in ZeoFert® is relatively low, therefore, it is essential to add an external source of this nutrient. In a compost it is highly recommendable to mix one part of ZeoFert® with two parts of compost or 70% ZeoFert® plus 30% of a chemical nitrogen source. Do not place deeper than 10 cm. The application must be done before planting or sowing and if applied manually, the dosage must be doubled.

## Presentation

**Package:** Polypropylene 25kg sack. POWDER OR GRAIN.

## Precautions

DO NOT INGEST. Use proper equipment to handle the product: back support, respirator and protective eyewear. This product is NOT corrosive NOR toxic, nevertheless, the ZeoFert in powder is highly volatile. In case of eye contact, wash with abundant water. Keep indoor, away from sun light, high temperatures and moisture, and preferably over pallets. Dispose the package in an appropriate place avoiding pollution, specially of water sources.