

- Specification Sheet -**BIOFERTIN-S 15-0-0**

BIOFERTIN-S 15-0-0 is an organic fertilizer that is totally water soluble and is being produced by the mild enzymatic hydrolysis of natural proteins. This production process guarantees the preservation of the necessary amino acids and a high rate of organic nitrogen (>15%) derived exclusively by amino acids. It can be used in all crops as:

1. an organic nitrogen fertilizer for foliar sprays, fertigations and hydroponic systems,
2. a wetting agent since when dissolved in the water it creates a solution with high viscosity and as a consequence it sticks to the leaves,
3. a recovery biostimulator for the plants due to the high percentage of the contained amino acids after periods of intense stress caused by biotic and climatic factors,
4. a stimulator for the improvement of the quantitative and qualitative characteristics of the crop and
5. a chelating agent of the nutrients (Fe, Zn, Mn, Cu) since amino acids improve the uptake of metal micronutrients from the plants.

PROPERTIES AND USES:

- Increases the yield and the quality of the crops.
- Provides nitrogen readily available to the plants.
- Fortifies the resistance of plants against stress.
- Improves the efficiency of the chemical fertilizers and pesticides.
- Accelerates the biochemical processes that take place inside the plant (photosynthesis, sugars formation).
- Promotes fruit growth.

APPLICATION:

BIOFERTIN-S 15-0-0 is applied foliarly or by fertigation through the irrigation/fertilization system.

Application Rate: Generally it is applied at the following application rate.

Foliarly: 2.5-3 kg/ha diluted in 500-2,000 l of water.

Soil application: 5-15 kg/ha.

Hydroponic system: 0.5-1 kg/500 l of water.

Sticking action: 150-200 g/100 l of water.

STANDARD ANALYSIS

	(w/w)
Nitrogen (N)	15.00
Calcium (CaO)	0.50
Sulfur (S)	0.50
Chlorine	<2.00

Amino acids

94.00

PHYSICAL PROPERTIES:

Appearance: Creamy white powder

Density: 0.4 g/cm³

Solubility: 100% water soluble

pH: 5.5 (in a solution 3%)