

PhosBactin

SOIL ACTIVATOR WITH BENEFICIAL PHOSPHATE SOLUBILIZING BACTERIA



bio Certified in Organic Agriculture

PhosBactin is a microbial soil inoculant, which contains beneficial bacteria capable of dissolving and mobilizing mineral soil phosphorus. More precisely, it contains free-living soil bacteria that dissolve soil phosphorus, converting it into a readily available to plants form. In parallel, they produce substances (IAA, GA) which promote growth and health of the root system. **PhosBactin** contains an ideal combination of nutrients which serves as a substrate for the beneficial bacteria, in order to exit dormancy and proliferate. In addition, the nutrient content of **PhosBactin** improves the physicochemical properties of soil.

STANDARD ANALYSIS

- Beneficial soil bacteria at a population of 2×10^{12} cfu*/l (*Bacillus megaterium vP*, *Pseudomonas putida*, *Pseudomonas fluorescence*)
- Humic acids
- Amino acids
- Sugars
- Natural plant growth substances

CROPS

- Cereals
- Rice
- Vegetables-Horticulture
- Trees
- Vineyard
- Ornamental plants
- Ornamental bushes

*cfu: colony forming units

PROPERTIES

- It solubilizes and mobilizes soil mineral phosphorus.
- It restricts phosphate fertilizers use, reducing the cost of fertilization.
- It converts the phosphorus of fertilizers from an insoluble and immobile form into a soluble and readily available to plants form.
- It contributes to a better air circulation in the soil and an enhanced penetration of the root system.
- It reduces soil erosion and improves soil structure.
- It enriches soil with organic matter which is vital for beneficial microbial populations.
- It enhances cation exchange capacity between roots and soil.
- It enriches soil with beneficial microorganisms which live in symbiosis with plants and produce substances that promote the growth of their root system.
- It increases crop yield and contributes to the growth of productive plants with high resistance to diseases.



PACKAGES

Plastic Bottle 250 ml	box of	50 pieces
Plastic Bottle 1 l	box of	20 pieces
Plastic Cont. 5 l	box of	4 pieces
Plastic Cont. 12 l		-
Plastic Cont. 25 l		-
*Plastic Drum 200 l		-
*Pl. Tank (IBC) 1,000 l		-

*Available upon request