

LIQUID FERTILIZER & SOIL CONDITIONER WITH
BENEFICIAL NITROGEN FIXING BACTERIA

PhosBactin

It contains beneficial phosphorus solubilizing bacteria *Bacillus megaterium* vP
at a population of 1×10^{12} cfu (colony forming units) per liter

Bacillus Megaterium
vP dissolve soil
phosphorus,
rendering it readily
available to plants. In
addition, they break
down soil organic
matter into smaller
molecules, which
can easily form
bonds with
phosphorus.



This way they
mobilize the
insoluble soil
phosphorus,
converting it into
simple and readily
absorbable by plants
forms.

Produced by

HUMOFERT



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bio

Suitable
for organic
agriculture

Net Content

1 L

SYNTHESIS

Beneficial bacteria	1x10 ¹² cfu*/L
Nitrogen (N)	1,0 %
Organic N	0,4 %
Ammonium N	0,6 %
Potassium (K ₂ O)	2,0 %
Boron (B)	0,1 %
pH 5,6 - Conductivity: 63 mS/cm - Salinity: 38 ppt	
	*cfu: colony forming units

PROPERTIES

- It dissolves and mobilizes soil mineral phosphorus.
- It converts the insoluble and immobilized phosphorus of mineral fertilizers into soluble forms, readily available to plants.
- It reduces the application of phosphorus fertilizers and the quantity which is required in order to meet the plants needs..
- It reduces the fertilization costs thanks to the reduction of the required phosphorus fertilizers.
- It increases the capability of nutrients assimilation by plants.
- It improves air circulation and root system penetration in the soil, while it promotes root growth thanks to beneficial bacteria metabolites.
- It enriches soil with beneficial micro-organisms which create symbiotic relations with plants and produce substances that promote root system development.
- It increases crop yields and contributes to the growth of highly productive plants with high stress resistance.

STORAGE CONDITIONS: The product should be stored in room conditions. IT SHOULDN'T FREEZE. Keep it away from direct sun light and any heat source. Once the packaging has been opened the product should be used immediately. After use do not leave it untapped. Empty bottles should not be reused. Keep it away from children.

PRECAUTIONS: If it is dropped on skin or clothing wash your skin thoroughly with soap and water. If it is dropped in the eyes, rinse with plenty of water. If irritation persists seek medical advice.

MIXING INSTRUCTIONS - COMPATIBILITY: PhosBactin can be combined with fungicides. Follow the mixing instructions on the labels of other chemical products (e.g. herbicides). Apply the entire solution of the container on the same day. It is NOT combined with bactericides and soil disinfectants. It is NOT combined with very acidic or alkaline products. It is recommended to avoid mixing it with chemical fertilizers. **PhosBactin** should be applied after soil disinfection and before sowing or transplanting. Apply 48 hours after the application of a bactericide or soil disinfection product. **PhosBactin** is not phytotoxic to plants and has excellent results when mixed with manure.

RECOMMENDED CROPS: Cereals, Rice, Vegetables, Fruit trees, Olive, Citrus, Stone fruits, Vine, Ornamental plants

APPLICATION METHOD - RATES

Seeds-Tubers dipping: Dissolve 5-10 ml in adequate water volume in order to soak 1 kg of seeds. Dip the seeds into the solution and mix thoroughly until they are soaked. Let the seeds dry for ½ hour and then sow them.

Plantlets dipping: Dissolve 50-100 ml in 10-20 L water and dip the plantlets for ½ hour before transplanting.

Cuttings dipping: Dissolve 10-25 ml in 6-7 l water and dip the cuttings for ½ hour before planting.

Mixing with manure: Spray or water 1-2 L **PhosBactin** in 200-300 kg manure and mix well. Let the manure rest covered for a night at moisture around 40-50%. The next day spread the manure over one hectare before the last tillage or the first watering.

Fertigation: 2.5-5 l per ha.

Spraying: 1.25-2.5 l per 1 tn of water/ha.

SHAKE WELL
BEFORE EACH
USE

