

Vitabac® K

AS STANDARD OR 5X SUPER CONCENTRATE



Rhizobacteria (PGPR)

Increased root growth and improved potassium supply

Vitabac® K is a bacterial soil and root inoculant for all plant species. The product is of a powdery texture and available as a standard or a five times concentrated blend. The bacteria colonize the root surface and the immediate adjacent area, the so-called "rhizosphere". These already quite well researched "rhizobacteria" are well known as "plant growth promoting rhizobacteria" (PGPR) because of their growth promoting effect on plants. The bacteria solubilize bound potassium, to make it available to plants. They also produce plant growth hormones that stimulate root growth (auxins, gibberellins and cytokinins). The plants develop stronger roots and more nutrients become available. This leads to an increased stress tolerance, uniform growth with less fertilizer use and better crops.

Benefits:

Increases

Root growth • Potassium uptake •
Yield and production

Reduces

Use of fertilizers • Uneven growth

Compatibility:

The products may be combined with fertilizers. The bacteria should be protected against ultraviolet radiation or other influences with a bactericidal effect.

Application:

Apply at least 250g **Vitabac® K** per hectare. Use 50g **Vitabac® K 5x** per hectare in special situations when only small quantities can be used. **Vitabac® K** can be mixed with water and sprayed or applied through the irrigation system. Do not expose the microorganisms to ultraviolet radiation and make sure to use enough water to drain **Vitabac® K** into the soil. Several applications with smaller quantities are preferable if this is possible in a given production system.

For more information about the suitability, dosage and timing of application, please contact our technical assistance.

Storage:

Store in a cool, dry place. Avoid high temperatures and direct sunlight. Product shelf life is 36 months.

Ingredients:

Beneficial bacteria:
solubilization of phosphorus, production of plant
growth hormones

Bacillus amyloliquefaciens, *B. megaterium*,
B. pumilus
5,000,000,000 UFC/g (5x10⁹ CFU/g)
CFU = Colony Forming Units

Soluble sea kelp extracts

Ascophyllum nodosum

