

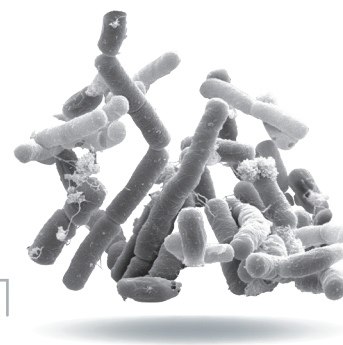


# rise™ MICRO P

## Providing natural crop stimulation for healthy growth, better yield and increased quality

RISE™ P MICRO is a starter fertilizer for ground application directly into the seed row furrow at planting. It is presented as micro-granules coated with a microbial preparation highly concentrated in the rhizospheric bacteria *Bacillus amyloliquefaciens* strain IT45.

*Bacillus amyloliquefaciens* strain IT45



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### ■ BENEFITS

The bacteria *Bacillus* IT45 provides several significant benefits to crop plants:

- ✓ **Stimulating the start-up** of young plants.
- ✓ **Improving soil exploration** by roots, allowing better nutrient and water uptake.
- ✓ **Enhancing the productivity** of plants, allowing better growth, yield and quality.

### MODES OF ACTION

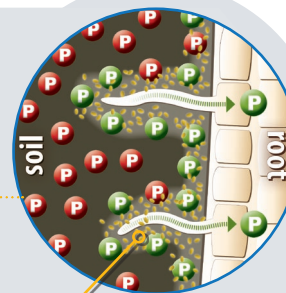
The bacteria *Bacillus* IT45 contained in RISE™ P MICRO will rapidly populate the rhizosphere (root zone) by feeding on the root exudates produced by the crop.

In return, this microbial population will provide several beneficial outcomes to the plants:

- 1 Solubilise Phosphorus:** secretion of phytases and organic acids that will turn phosphorus and trace elements in the rhizosphere into available forms for uptake by plants.

**+28 % of phosphorus available in the rhizosphere\***

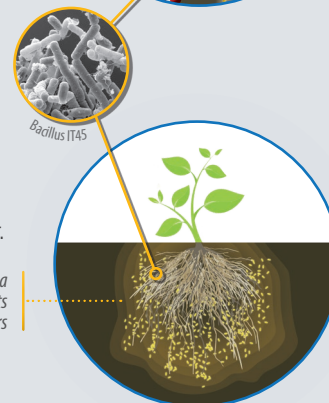
- P** Phosphorus not able to be assimilated
- P** Phosphorus able to be assimilated



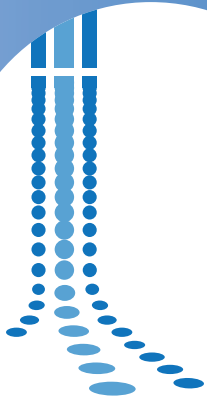
- 2 Stimulate growth of efficient roots and root hairs:** production of phytohormones that will help to produce roots and root hairs improving soil exploration and better uptake of nutrients and water.

**+20 % of root biomass\***

Increased area occupied by roots and root hairs



\*results obtained from a series of trials carried out over 10 years.



**rise™**  
MICRO **P**



## ■ SPECIFICATIONS

- **Composition:**  $5 \cdot 10^{10}$  CFU/g of *Bacillus amyloliquefaciens* strain IT45 and specific yeast fractions *Saccharomyces cerevisiae* strain LYCC.  
(CFU: Colony Forming Unit. Unit of measure for living microorganisms able to multiply)
- **Formulation:** micro-granules (1-1.6 mm).
- **Organic Agriculture:** usable in organic production.



20 kg bag

## ■ APPLICATIONS

- **Dose rate and frequency:**

	Dose rate	Crop stage
Grain and Silage Maize	20 kg/ha	At sowing
Soyabean	20 kg/ha	At sowing
Sunflower	20 kg/ha	At sowing
Rice	20 kg/ha	At sowing
Tomatoes for processing	20 kg/ha	At sowing

- **Method of application:** ground application directly into the seed row furrow at planting, using a micro-granule applicator.

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