

rise™ P



Ensure fast and uniform growth of your sugar beet

RISE™ P is a highly concentrated root inoculant containing the rhizospheric bacteria *Bacillus amyloliquefaciens* strain IT45.

Benefits

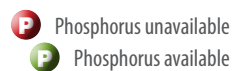
- **Promotes faster growth early in the cycle:**
earlier coverage in the rows and between the rows.
- **Increases the yield.**

Modes of action

The *Bacillus* IT45 bacteria contained in RISE™ P multiply and quickly colonise the rhizosphere (zone near the roots) by feeding on root exudates.

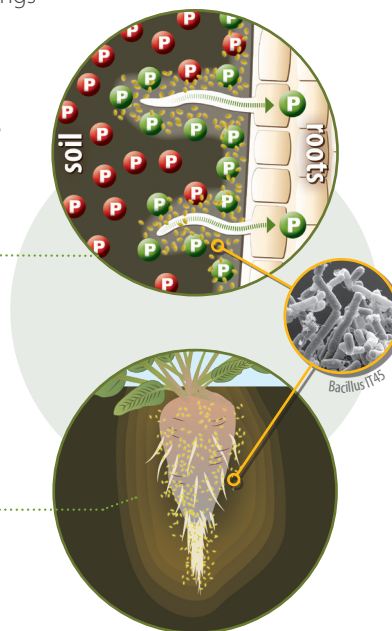
In return, this bacterial population brings several benefits to the plant:

- ✓ **Solubilises phosphorus:**
+28% of phosphorus available in the rhizosphere*.



- ✓ **Stimulates growth of efficient roots (root hairs):**
+20% of root biomass*.

Increase in the area for interception of nutrients



Bacillus amyloliquefaciens strain IT45

Active substance:

2.10¹⁰ CFU/g of *Bacillus amyloliquefaciens* strain IT45

Formulation:

Wettable powder

Packaging:

1 kg bag

Usable in organic farming



*Results obtained from a series of tests over 10 years

Application

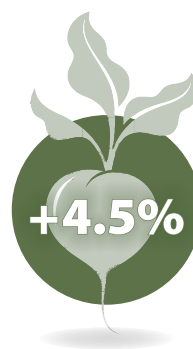
Crop	Dose	Stage	Method of application
Sugar Beet	150 g/ha	2 leaves to 6 leaves	Soil spray

- Notes:**
- Apply the product in humid conditions. Optimum temperature between 10 °C and 30 °C.
 - Avoid applications on dry ground during periods of hot weather (> 35 °C).

Results

■ Improvement in yield.

Statistical analysis of 22 trials carried out in France between 2013 and 2016.



Yield gain:

significant test at the threshold of 5%

95% chance of gaining at least **4 tonnes/ha** (for a yield of 85 t/ha)

■ Fast growth at the beginning of the cycle.

Observations in Hauts de France 2014. La Longueville (59)



Control



Technology RISE™ P

Earlier row coverage

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