

rise™ P

LALLEMAND

LALLEMAND PLANT CARE



THE
MICROORGANISM
SPECIALIST

Improve early maturity and the nutritional value of your silage maize

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

Benefits

- **Promotes faster growth early in the cycle:**
At least 1 leaf more at the 8 leaf stage.
- **Increases the feed value produced per hectare:**
MFU (Milk Forage Unit), DPSI (Digestible Protein in Small Intestine), TNM (Total Nitrogenous Materials), ...
- **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.

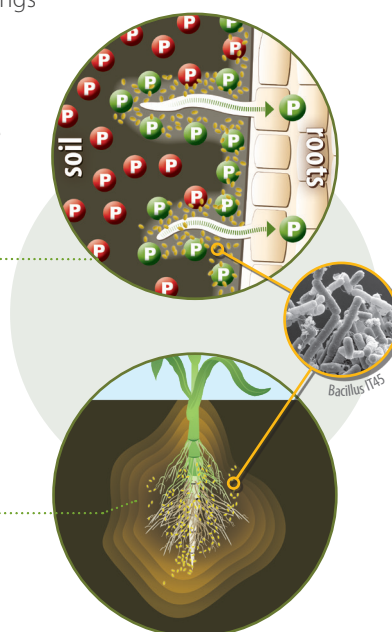
In return, this bacterial population brings several benefits to the plant:

- ✓ **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



*Results obtained from a series of tests over 10 years

Characteristics



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



Application

Crop	Dose	Stage	Method of application
Silage Maize	150 g/ha	Emergence to 4 leaves	Soil spray

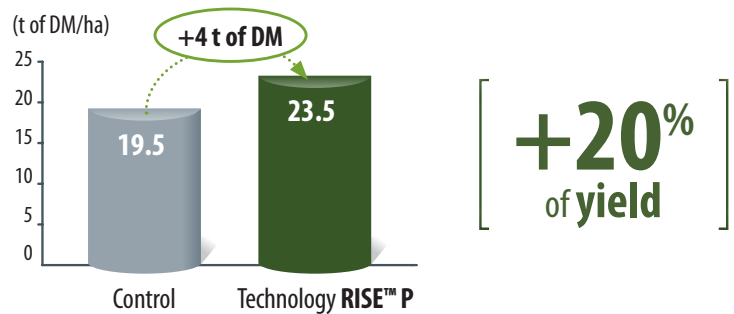
- Notes:**
- Apply the product in humid conditions. Optimum temperature between 10 °C and 30 °C.
 - Avoid applications on dry ground during periods of hot weather (> 35 °C).

Results

■ Improvement of yield.

Trial Hauts de France, 2015.
Vironchaux (80)

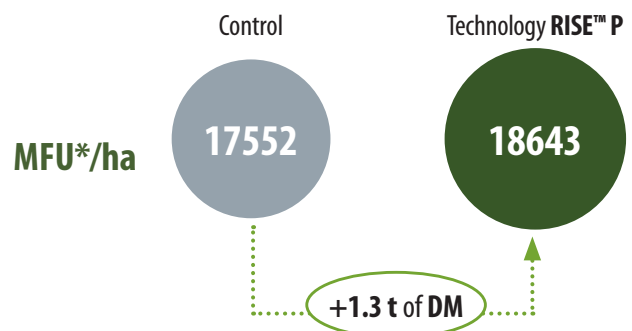
Previous	Soft wheat
Intercrop	Rye-grass
Type of soil	Sandy loam
Sowing	28/04/2015



■ Improvement of the feed value of the forage.

Trials Hauts de France, 2015.
Saint-Amand-les-Eaux (59)

Variety	LG 30260
Previous	Soft wheat
Type of soil	Sandy loam
Sowing	28/04/2015



+6% of energy value produced per hectare

*Milk Forage Unit

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