



MULTI-CROP



SEED
TREATMENT



IN-FURROW



CHARACTERISTICS

Active Ingredient

2×10^{10} *Bacillus velezensis* CFU/ml

On-Seed Application Rate

- Commercial seed treaters for ensured accuracy
- 0.05 – 1.5 fl oz per 100 lbs of seed

Always read and follow label instructions

In-Furrow Application Rate

- Liquid kit with water and/or fertilizer carrier to the furrow
- 1.0 fl oz per acre

Package Size

- 8 x 20 fl oz case
- 6 x 80 fl oz case

IMPROVES PLANT NUTRIENT AVAILABILITY & PLANT GROWTH

LALRISE® START SC is a liquid suspension concentrate (SC) based on a plant growth-promoting microbe (PGPM) that increases crop establishment through improved root vigor and nutrient availability. This PGPM solubilizes phosphorus from organic and inorganic reservoirs, which promotes growth in young plants and increases root mass, crop homogeneity and yields.

ADVANTAGES

The *Bacillus velezensis* bacteria contained in **LALRISE® START SC** multiply and quickly colonize the rhizosphere by feeding on root exudates. In return, this bacteria population brings several benefits to the 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



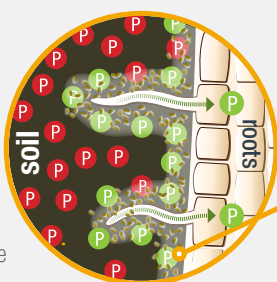
SOLUBILIZES PHOSPHORUS:
Up to 28% increase
of Phosphorus available
in the rhizosphere*



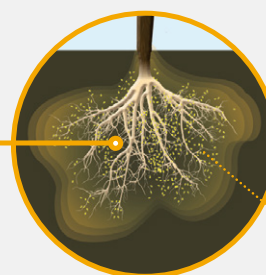
Phosphorus
available



Phosphorus
unavailable



Bacillus velezensis



NUTRIENT AVAILABILITY IMPROVES ROOT MASS GROWTH:
Up to +20%
of root biomass*

Increase in root
surface area for improved
nutrient access

*Results obtained from various trials carried out over 10 years.



MULTI-CROP



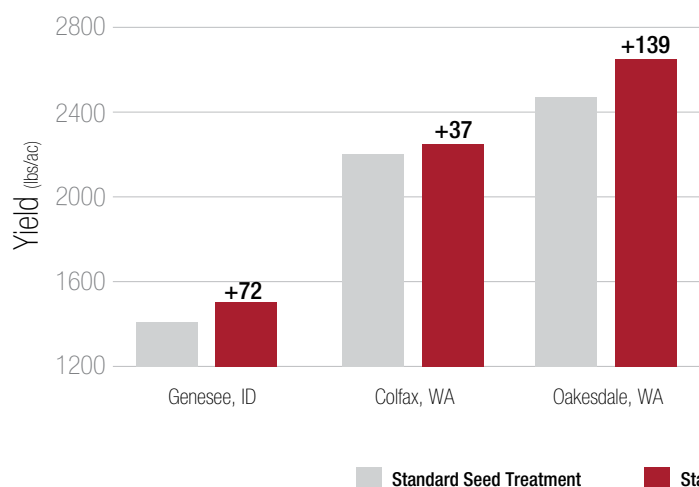
SEED
TREATMENT



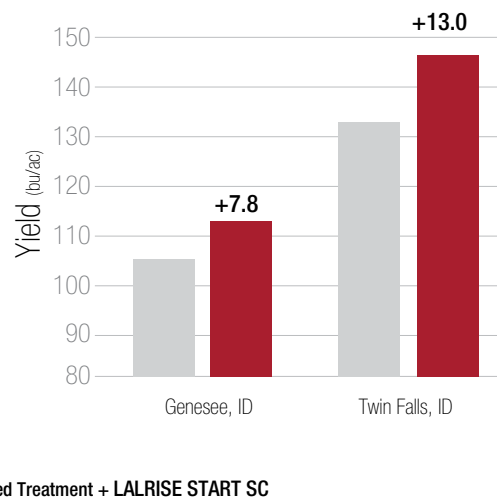
IN-FURROW

REPLICATED TRIAL RESULTS

2020 CHICKPEA TRIALS



2021 WINTER WHEAT TRIALS



LALRISE START SC ON-SEED USE RATES

CROP	OUNCES PER 100 lbs OF SEED
Soybean	0.24
Wheat	0.25
Corn	0.19
Field Pea	0.10
Lentil	0.30
Dry Bean	0.30
Chickpea	0.25

LALRISE START SC IN-FURROW MIXING DIRECTIONS

OPTION 1

Add 1 oz/ac of LALRISE START SC in the induction cone.

OPTION 2

Add 1 oz/ac of LALRISE START SC directly to partially filled fertilizer tank, then complete filling of fertilizer.

About Lallemand Plant Care

Since the beginning of the 20th Century, LALLEMAND has been an expert in yeast and bacteria manufacturing. The family-owned company is now a global leader in the development, production, and marketing of microorganisms for various agri-food industries. Using sound science and know-how, LALLEMAND PLANT CARE (LPC) works closely with clients to deliver the right technology, in the right formulation, for the right application. LPC is committed to solving grower challenges, significantly improving yield and crop vitality.



Microbial By Nature

www.lallemandplantcare.com

XF-USA 1021



LALLEMAND PLANT CARE