



## 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.

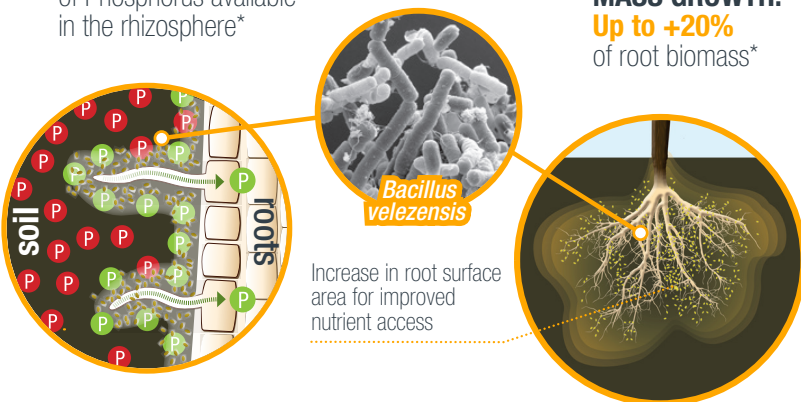
### ADVANTAGES

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\*

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



P Phosphorus available P Phosphorus unavailable

### CHARACTERISTICS

#### Active Ingredient

$2 \times 10^{10}$  *Bacillus velezensis* CFU/ml

#### Package Size

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

**Always read and follow label instructions.**

### APPLICATION RATE

#### ON-SEED

- Commercial seed treaters for ensured accuracy
- 0.1 - 0.5 oz per 100 lbs of seed

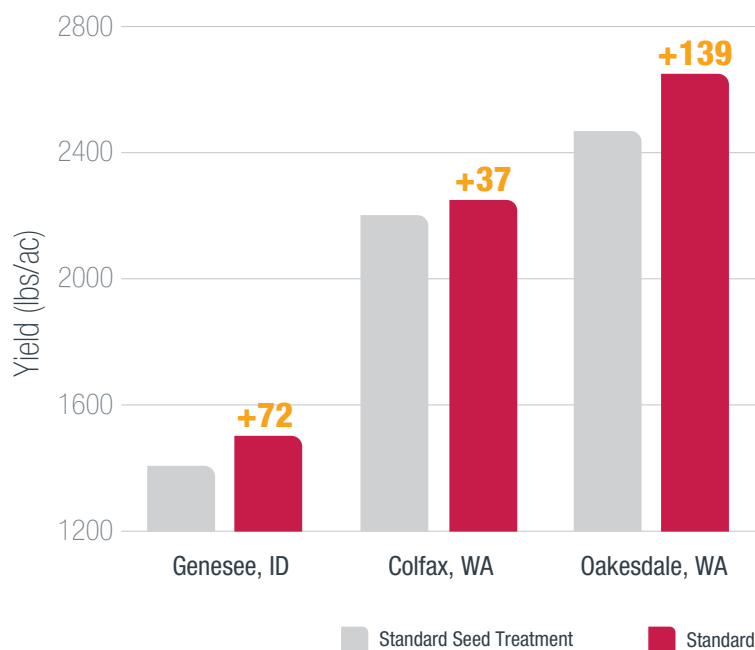
#### IN-FURROW

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

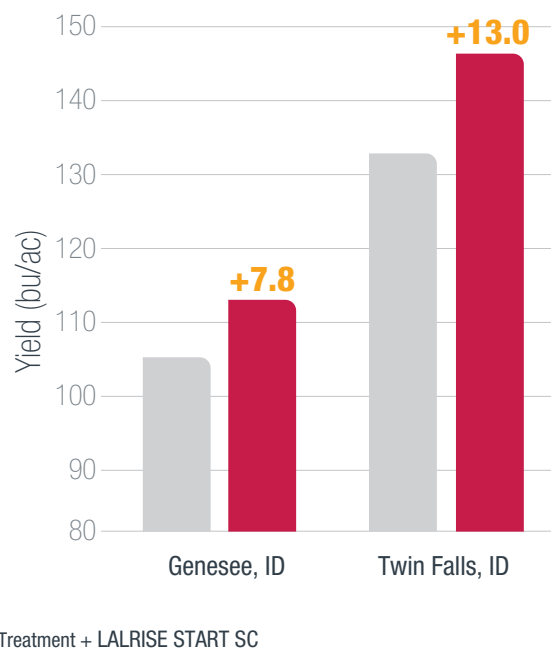
\*Results obtained from various trials carried out over 10 years.

## TRIAL RESULTS

### 2020 CHICKPEA TRIALS



### 2021 WINTER WHEAT TRIALS



## LALRISE START SC ON-SEED USE RATES

CROP	OUNCES PER 100 LBS OF SEED
Soybean	0.25
Wheat	0.25
Corn	0.35
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

For over 100 years, Lallemand has been an expert in yeast and bacteria manufacturing. It is now a global leader in the development, production, and marketing of microorganisms for various industries. Using sound science and know-how, Lallemand Plant Care provides effective microbial-based solutions that deliver agronomic, economic, and sustainable value to growers.