



IMPROVES SEEDLING VIGOR & PLANT GROWTH

LALRISE[®] SHINE DS is a dry seed treatment. It combines the performance of Pizazz[®] seed finisher along with Lallemand's proprietary technology. This plant growth-promoting microbe (PGPM) increases crop establishment through improved root vigor and nutrient availability. Ultimately, **LALRISE[®] SHINE DS** 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[®] SHINE DS** 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

CHARACTERISTICS

Active Ingredient

5 x 10⁹ *Bacillus velezensis* CFU/g

Package Size

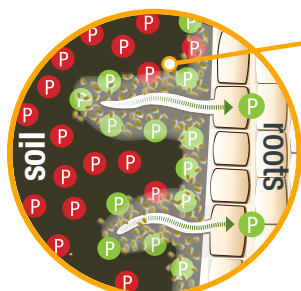
- 5 x 20 oz case
- Total Case Weight - 6.25 lb or 100 oz

Always read and follow label instructions.

✓ SOLUBILIZES PHOSPHORUS:

Up to 28% increase

of Phosphorus available in the rhizosphere*



P Phosphorus available P Phosphorus unavailable

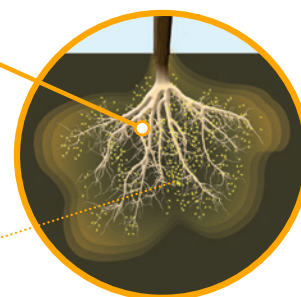


NUTRIENT AVAILABILITY IMPROVES ROOT MASS GROWTH:

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.

LALRISE® SHINE DS + PIZAZZ® DRY SEED FINISHER

POSITIONING FOR PERFORMANCE:

- Use **LALRISE® SHINE DS** to help manage crop input investments when carefully striving to optimize return with agronomic choices.
- Use **LALRISE® SHINE DS** to enhance phosphorus fertility performance when crop fertilizer inputs are limited.
- Use **LALRISE® SHINE DS** to better access phosphorus reserves tied up in soils as a result of high or low soil pH levels.

PHYSICAL ATTRIBUTES:

- Evenly coats seed with the microorganism
- Enhances cosmetic appearance
- Significantly reduces dust-off
- Optimizes seed flow. Plants more accurately

LALRISE® SHINE DS ON-SEED USE RATES

CROP	OUNCES PER 100 LBS OF SEED
Soybean	0.4
Wheat (all cereals)	0.25
Corn	1.0
Field Pea & Lentil	0.25
Dry Bean	0.4
Chickpea	0.25
Canola	5.0

LALRISE® SHINE DS APPLICATION DIRECTIONS

COMMERCIAL SEED TREATERS

Use a dry powder mill to coat treated seed as a dry seed finisher.

PLANTER BOX: On-farm application.

Top dress **LALRISE® SHINE DS** into center fill or hopper box
OR
Apply on seed prior to transferring seed into planter.

***LALRISE® SHINE DS** is compatible with all seed treatments including fungicides, insecticides, and rhizobium inoculants.

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

LALLEMANDPLANTCARE.COM

LALLEMAND