

## MICROBIAL GROWTH PROMOTER SOLUBILIZES PHOSPHORUS FOR OPTIMAL NUTRIENT ABSORPTION

Outdoor



Increase the vigor and overall health of your plants with a specially developed plant growth-promoting microorganism (PGPM). LALRISE VITA contains a **unique rhizobacterial *Bacillus velezensis*, isolated in a distinctive wettable-granule formulation** that actively enhances root growth and exploration, solubilizes phosphorus, and promotes healthy plant vigor.

### ADVANTAGES

- **Activates root growth** early for rapid establishment and rooting of young plants— up to 20% more root biomass.\*
- Improves nutrient and water uptake.
- **Actively releases fixed phosphorus** in plant-available forms, making it up to 28% more available to the plant.\*
- Enhances overall plant health and vigor, crop growth and quality, as well as marketable yield.
- Distinctive stable and convenient wettable-granule formulation.
- Ideal for herbaceous and woody ornamentals, fruit and nut trees, soft fruits, vegetables, and turf.

### MODES OF ACTION

The unique *Bacillus velezensis* PGPM in LALRISE VITA:

- Rapidly colonizes the root zone to promote quick establishment and rooting of young plants.
- Enhances greater production of root biomass and soil exploration to increase water and nutrient uptake potential.
- Actively produces enzymes and organic acids to solubilize phosphorus from soil organic matter and mineral complexes.

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

### CHARACTERISTICS

**Active Ingredient**  
*Bacillus velezensis*

**Guarantee**  
> 2 x 10<sup>9</sup> CFU/g

**Package Size**  
5 x 2 lbs

**Storage information**  
Store in the original packaging in a cool, dry place (< 77°F) for up to 24 months.

**Always read and follow label instructions.**

### RECOMMENDED CROPS



Greenhouse  
Fruit & Vegetables



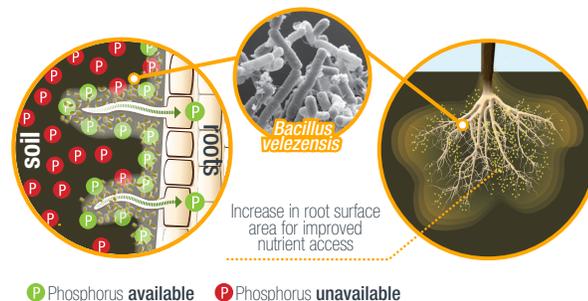
Perennials



Field-Grown  
Fruit & Vegetables

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

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

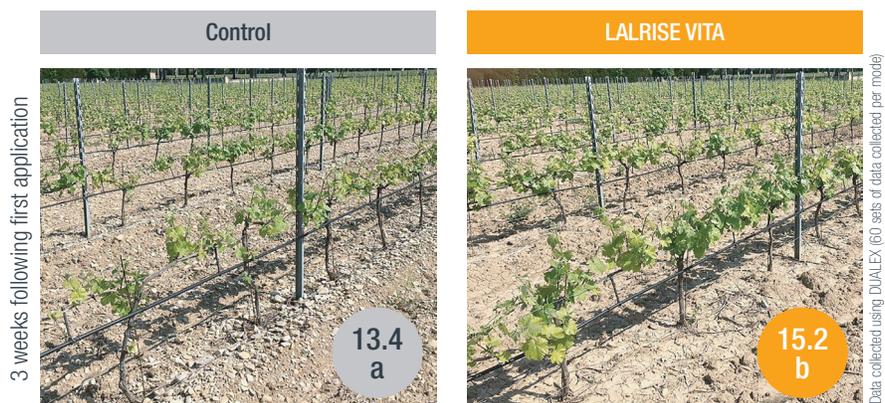


● Phosphorus available ● Phosphorus unavailable

## TRIAL RESULTS

Significant Increase in Chlorophyll Index\* over Control Treatment (P < 0.10)

### INCREASES BIOMASS (STARTER EFFECT) AND PHOTOSYNTHETIC ACTIVITY



**GRAPE VINE**  
**PRODUCTION TRIAL, 2018**  
 Domaine Viticole, Joncquières (84).

**GRAPE**  
 Syrah

**ROOTSTOCK**  
 140 U

**APPLICATION**  
 3 applications, starting at bud break (1 per month)

**APPLICATION METHOD**  
 Drip irrigation

**CONDITIONS AT APPLICATION** Optimal temperature between 50°F and 86°F (10°C and 30°C). Apply preferably to moist soils or growing media. For drier climates, it is recommended to irrigate enough after application to move the product below the soil surface. Avoid applications during high-temperature periods and on dry soils.

## APPLICATION RATES

Trees, Ornamentals, and Turf

CONTAINER SIZE	OUNCES OF LALRISE VITA PER PLANT	GALLONS OF WATER PER PLANT	NUMBER AND FREQUENCY OF APPLICATIONS
< 1 gallon pot	0.004 - 0.01	0.1 - 0.3	2-3 at monthly intervals
1-5 gallon pot	0.02 - 0.1	0.3 - 1	2-3 at monthly intervals
7-15 gallon pot	0.1 - 0.2	1 - 3	2-3 at monthly intervals
20-30 gallon pot	0.2 - 0.4	3 - 5	2-3 at monthly intervals
Landscape trees	0.2 - 0.4	3 - 5	2-3 at monthly intervals
Orchards; Nursery field bed	1 lb/acre	26 - 106	2-3 at monthly intervals
Turf	1 lb/acre	53 - 106	2-3 at monthly intervals

Refer to the product label for additional application rates.

### 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.