

## SOLUBILIZES PHOSPHORUS FOR OPTIMAL NUTRIENT ABSORPTION

LALRISE VITA is a plant growth promoting microorganism (PGPM) that is uniquely formulated with the microbe, *Bacillus velezensis*. This bacterium actively enhances root growth and exploration, solubilizes phosphorus, and promotes healthy plant vigor.

### MODES OF ACTION

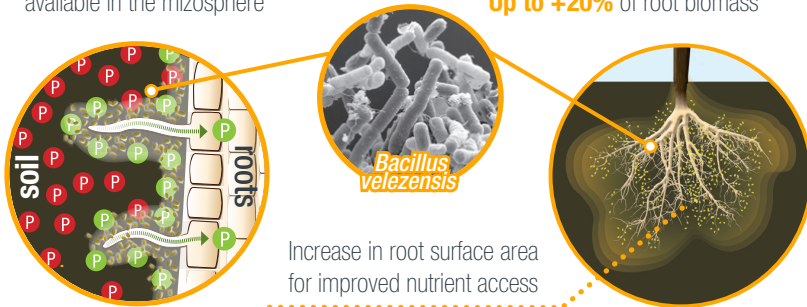
- Rapidly colonizes plant roots for quick establishment and growth. This enhances nutrient availability to the plant.
- Improves root structure and biomass for great water and nutrient uptake.
- Actively release fixed phosphorus in plant-available forms, making it up to 28% more available to the plant.\*

### ADVANTAGES

- Promotes plant establishment through improved root vigor and nutrient availability.
- Improves growth and quality in young plants.
- Increases crop homogeneity, height, root mass, winter vigor, flowering, and yields.

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

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



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

Outdoor



### 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 36 months.

**Always read and follow label instructions.**

### RECOMMENDED CROPS



Greenhouse  
Fruit & Vegetables



Perennials



Field-Grown  
Fruit & Vegetables

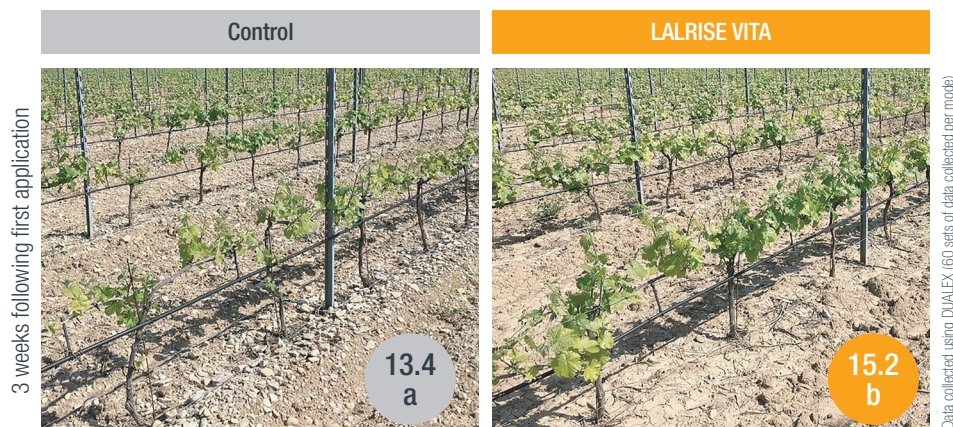


Tubers

## 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
Tubers	1 lb/acre	53 - 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

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.