



CHARACTERISTICS

Active Ingredient
Bacillus velezensis

Guarantee
> 2 x 10⁹ CFU/g

Package Size
1 kg

Storage information
Store in the original packaging in a cool, dry place (< 25°C, 77°F) for up to 24 months

Always read and follow label instructions

MICROBIAL GROWTH PROMOTER SOLUBILIZES PHOSPHORUS FOR OPTIMAL NUTRIENT ABSORPTION

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.



RECOMMENDED CROPS



Greenhouse
Fruit & Vegetables



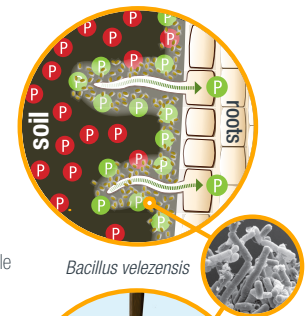
Field-Grown
Fruit & Vegetables



Perennials

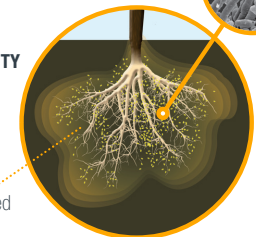


SOLUBILIZES PHOSPHORUS:
Up to 28% increase of Phosphorus available in the rhizosphere*



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

Increase in root surface area for improved nutrient access



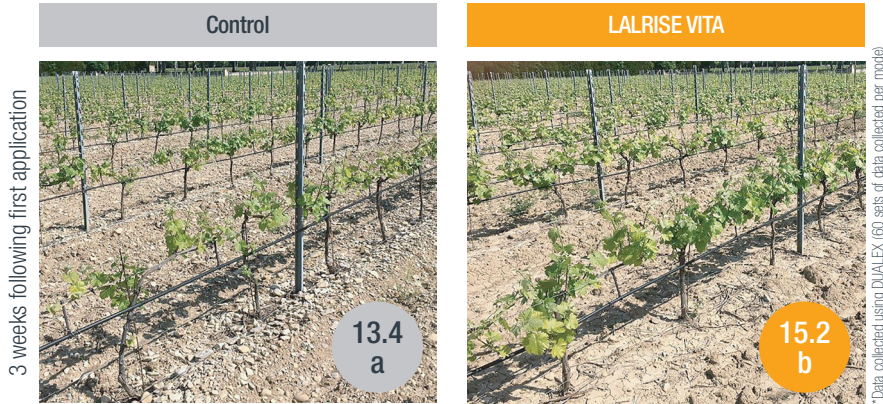
*Results obtained from various trials carried out over 10 years



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, Jonquières (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 10°C and 30°C (50°F and 86°F). 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

Container size		Grams (g) per plant	Litres (L) of water per plant	Ounces (oz) per plant	Gallons (gal) of water per plant	Number of applications
< 4 L pot	< 1 gallon pot	0.1–0.4	0.25–1.0	0.004–0.01	0.1–0.3	2–3 at monthly intervals
4–20 L pot	1–5 gallon pot	0.5–2.5	1–5	0.02–0.1	0.3–1	2–3 at monthly intervals
25–55 L pot	7–15 gallon pot	3.5–5	5–10	0.1–0.2	1–3	2–3 at monthly intervals
75–115 L pot	20–30 gallon pot	5–10	10–20	0.2–0.4	3–5	2–3 at monthly intervals
Landscape trees	Landscape trees	5–10	10–20	0.2–0.4	3–5	2–3 at monthly intervals
Orchards; Nursery field bed	Orchards; Nursery field bed	1 kg/ha	100–400	1 lb/acre	26–106	2–3 at monthly intervals
Turf	Turf	1 kg/ha	200–400	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.

Microbial By Nature

www.lallemandplantcare.com



LALLEMAND PLANT CARE