

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-powder formulation** that actively enhances root growth and exploration, solubilizes phosphorus, and promotes healthy plant vigor.

ADVANTAGES

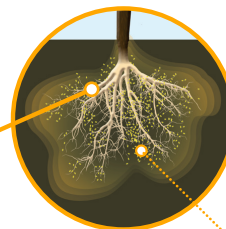
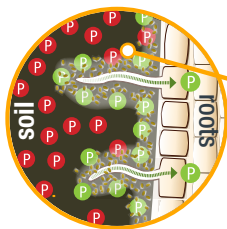
- **Activates root growth** early for rapid establishment and rooting of young plants— up to 20% more root biomass.*
- Improves nutrient and water uptake.
- **Actively releases fixed phosphorus** in plant-available forms, making it up to 28% more available to the plant.*
- Enhances overall plant health 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* PGPR 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.

✓ **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

P Phosphorus available **P** Phosphorus unavailable

CHARACTERISTICS

Active Ingredient
Bacillus velezensis

Guarantee
> 2 x 10⁹ CFU/g

Package Size

- 5 x 1 kg
- 4 x 4 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.

RECOMMENDED CROPS



Greenhouse
Fruit & Vegetables



Perennials



Field-Grown
Fruit & Vegetables



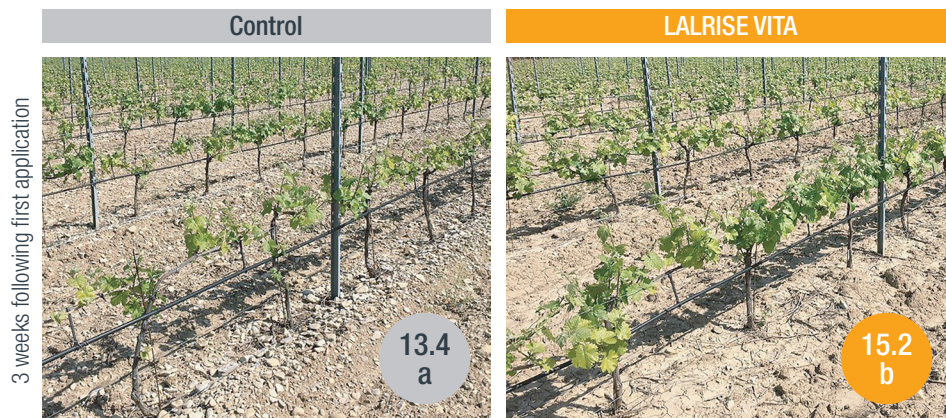
Tubers

*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



**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		5–10	10–20	0.2–0.4	3–5	2–3 at monthly intervals
Orchards; Nursery field bed		1 kg/ha	100–400	1 lb/acre	26–106	2–3 at monthly intervals
Tubers		1 kg/ha	200–400	1 lb/acre	53–106	2–3 at monthly intervals
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

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.

Microbial by nature

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