



CHARACTERISTICS

Active Ingredient
Bacillus velezensis

Guarantee
> 2 x 10⁹ 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

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

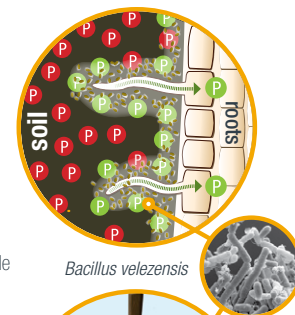


Perennials



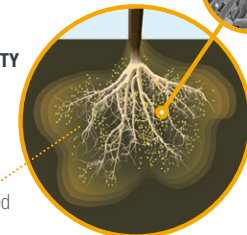
SOLUBILIZES PHOSPHORUS:
Up to 28% increase
of Phosphorus available
in the rhizosphere*

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



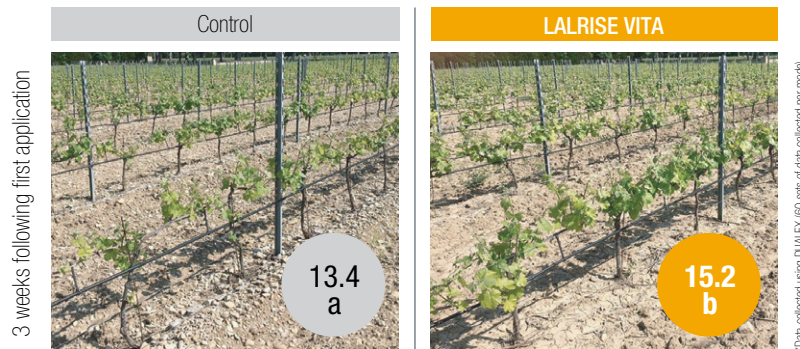
*Results obtained from various trials carried out over 10 years.



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

	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

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

XF-USA 1021



LALLEMAND PLANT CARE