



GRANULE



BIOFERTILIZER



## CHARACTERISTICS

**Active Ingredient**  
*Bacillus velezensis*

**Guarantee**  
>1 x 10<sup>8</sup> CFU/g

**Package Size**  
27 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

## EASY-TO-USE GRANULAR SOIL ENHANCER

Give your trees a healthy start at time of planting. LALRISE START G's granular formulation has the ideal structure, density, and uniformity to effectively distribute the active microbe, *Bacillus velezensis*, in urban soils. It actively enhances root growth and exploration, solubilizes phosphorus, and promotes a healthy start to the growing season.

## 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, and marketable yield.
- Exclusive **dustless, uniform granular formulation** that can be easily top-dressed or broadcast on soils, planting holes, mulches or potting mix surfaces, or incorporated into soils or growing media.
- Ideal for applications on ornamentals, trees, and turf.

## BENEFITS OF PGPMs

Plant Growth-Promoting Microorganisms (PGPMs) are beneficial soil microbes that colonize plant roots and surrounding soils or growing media. Proven PGPMs can stimulate plant growth by enhancing plant nutrient availability, improving root architecture and biomass for greater water and nutrient uptake.

Essentially, they facilitate healthy plant growth and vigor, both directly and indirectly. Plus, proper PGPM use can improve economic and environmental sustainability of crop production and maintenance.

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



## MODES OF ACTION

The unique *Bacillus velezensis* PGPM in LALRISE START G:

- 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

Landscape plantings, herbaceous and woody ornamentals, fruit tree and vine planting, turf, and other crops where a granular formulation is preferred.

**Microbial By Nature**

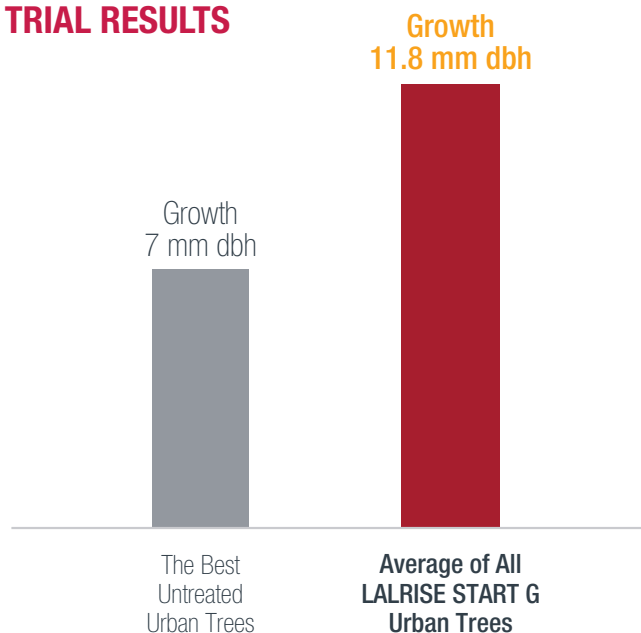
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## TRIAL RESULTS



When added to planting holes, **LALRISE START G** improves root vigor and nutrient content in young trees. The PGPM accesses phosphorus that would otherwise be unavailable to tree roots. Comprehensive research trials demonstrate the PGPM can also increase germination homogeneity, tree height, root mass growth, winter vigor, flowering, and yields.

\* Diameter at breast height (dbh)

## APPLICATION RATES

POT SIZE	AT TIME OF PLANTING	TOP-DRESSING
	WEIGHT	WEIGHT
< 1 gallon pot	0.7-1.0 oz	0.2-0.5 oz
1-5 gallon pot	1.5-7 oz	0.5-1.75 oz
7-15 gallon pot	9-17.5 oz	2-4.5 oz
20-30 gallon pot	28-35 oz	7-9 oz
Landscape, orchard, nursery trees (1.6-2"/40-50 mm caliper)	17.5-35 oz	4.5-9 oz
Landscape, orchard, nursery trees (2-2.4"/50-60 mm caliper)	35-53 oz	9-13.5 oz
Landscape, orchard, nursery trees (>2.4"/60 mm caliper)	53-70.5 oz	13.5-17.5 oz
Turf	10-100 lb/acre	10-50 lb/acre
Green roofs	6.5-11.5 oz/ft <sup>2</sup>	1.5-3 oz/ft <sup>2</sup>

### 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. In 2015, BioForest became a subsidiary of Lallemand Plant Care to oversee and develop its Forestry division. Using sound science and know-how, Lallemand Plant Care works closely with clients to deliver the right technology, in the right formulation, for the right application. We are committed to solving plant health care challenges and forest health strategies using microbial and botanically based solutions.

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