



Urban Forestry & Turf



MICROBIAL GROWTH PROMOTER EASY-TO-USE GRANULAR SOIL ENHANCER

Give your trees a head 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. This bacterium actively enhances root growth and exploration, solubilizes phosphorus, and promotes a healthy start to the growing season.

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

- Results in higher quality plant growth and vigor.
- Increases soil porosity and improves soil water-holding capacity .
- Dustless, uniform granular formulation can be easily top-dressed or broadcast on soils, planting holes, mulches or potting mix surfaces, or incorporated into soils or growing media.

Bacillus velezensis

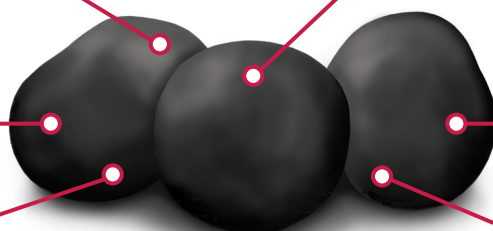
Accurate inoculant placement

Consistent granule size

Better bacteria survival

Low dust

Granule durability



CHARACTERISTICS

Active Ingredient

Bacillus velezensis

Guarantee

>1 x 10⁸ CFU/g

Package Size

12.2 kg (27 lbs)

Storage information

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

Always read and follow label instructions.

RECOMMENDED CROPS



Trees



Woody
Ornamentals



Turf

*Results obtained from trials carried out over 10 years.

TRIAL RESULTS

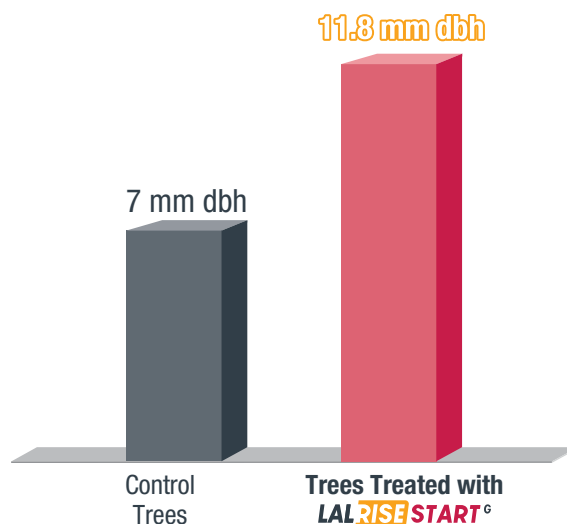
A trial in Hamilton, Ontario in 2019 observed trees each planted with 1kg of LALRISE START G increased the average DBH growth by 40%.



In coarse-textured soil (sandy loam), LALRISE START G can increase the water holding capacity for a plant by 1.4L*

*McGrath, Darby, et al. Vineland Research & Innovation Centre, Vineland Station, Ontario, 2021, *Lallemand Soil Amendment Final Report*.

Average Growth on 55mm Caliper Trees 1-Year Post Treatment



APPLICATION RATES

Container size		At time of planting			
		Weight		Volume	
Metric	Imperial	Metric	Imperial	Metric	Imperial
< 4 L pot	< 1 gallon pot	20–30 g	0.7–1.0 oz	50–75 cc	3.5–5 tbsp
4–20 L pot	1–5 gallon pot	40–200 g	1.5–7 oz	100–500 cc	0.5–2.25 cups
25–55 L pot	7–15 gallon pot	250–500 g	9–17.5 oz	620–1,240 cc	2.5–5.25 ¼ cups
75–115 L pot	20–30 gallon pot	800 g–1 kg	28–35 oz	1,980–2,470 cc	1.8–2.2 qt dry
Landscape, orchard, nursery trees (40–50 mm/1.6–2" caliper)		500 g–1 kg	18–35 oz	1,235–2,470 cc	1.1–2.2 qt dry
Landscape, orchard, nursery trees (50–60 mm/2–2.4" caliper)		1–1.5 kg	35–53 oz	2,470–3,705 cc	2.2–3.3 qt dry
Landscape, orchard, nursery trees (>60 mm/2.4" caliper)		1.5–2 kg	53–70.5 oz	3,705–4,940 cc	3.3–4.5 qt dry
Turf		10–100 kg/ha	10–100 lb/acre	25–225 L/ha	10.4–96 qt dry/acre
Growing media and soil incorporation (potting mix, root zone mix, divot mix, planting soil, etc.)		2.4–4.8 kg/m³	4–8 lb/yd³	6–12 L/m³	4.8–9.6 qt dry/yd³
Green roofs		2–3.5 kg/m³	2–3.5 oz/ft³	5–9 L/m³	0.5–1 cup/ft³

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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