



Characteristics

Formulation Type | Liquid

Delftia acidovorans

Contains | 1×10^8 viable *Delftia acidovorans* per ml

Package Size | 2.75 US gallon bladder/case

Ease of use | One package to open and add to the tank



LIQUID

LALRISE BOOST

Microbial Growth Promoter

LALRISE® BOOST is a unique PGPR utilizing the active ingredient *Delftia acidovorans* which is active in the soil and rapidly colonizes the root zone of a plant. Treated plants have healthier roots that access more water and nutrients and drive an early plant root set, treated plants will also have a shorter lag phase and a longer phase of rapid growth. For ease of application, LALRISE BOOST can be tank-mixed and applied with the first post-emergent application.

How it works

Delftia acidovorans is attracted to root exudates and will move toward growing roots and colonize the root zone. The bacteria positively impact plant root growth; this ultimately supports higher yields, depending upon environmental and soil conditions.

Application Rates

Application Method	Rate Per Acre	
	Active	Minimum water
Foliar Spray	16-32 fl oz	20-40 US Gallons
Overhead irrigation/ Broadcast	8-32 fl oz	10-40 US Gallons
In-furrow starter/ Side dress	8-32 fl oz	10-40 US Gallons

Application Notes

- Apply LALRISE BOOST in the evening, in cooler temperatures. Do not apply LALRISE BOOST in hot, dry conditions.
- Recommended water rates assist *Delftia acidovorans* in entering the soil. Reducing the water rate is not recommended.
- If tank mixing with a recommended herbicide, add LALRISE BOOST last and ensure it is applied to the appropriate herbicide tolerant system.

Modes of Action

Delftia acidovorans works by:

- Stimulating root and root hair development, helping the plant access more water and nutrients in limiting environmental conditions
- Aggressively colonizes roots and out-competes other soil bacteria and fungi
- Making more sulfur available to the plant. LALRISE BOOST has a synergistic effect with sulfur fertilizers. It enhances mineralization to access the 95% of soil sulfur pool tied to organic matter. The yield of LALRISE BOOST treated plants with sulfur fertilizers is greater than either input alone.

Yield Response to Sulfur + LALRISE BOOST

LALRISE BOOST on Canola

