

Growth Promoter for Canola

BioBoost® Liquid for canola is an innovative plant growth promoting rhizobacteria (PGPR). The active ingredient is the microorganism *Delftia acidovorans*, which is active in the soil and rapidly colonizes the root zone of a canola plant. It is applied as post-emergent spray at the 0-6 leaf stage. For ease of application, BioBoost Liquid can be tank mixed and applied with the first post-emergent application. Based on the trials conducted by NDSU, University of Minnesota, retailers and growers to-date, BioBoost Liquid has boosted canola yields by an average of 5%.

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.

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
- Makes more sulfur available to the plant. *Delftia acidovorans* in combination with elemental sulfur shows an average yield increase of 9.66% over sulfur alone

BioBoost® Liquid

Features

Proven 5% Yield Advantage

Active Ingredient: 1×10^9 viable *Delftia acidovorans* per ml

Yield Response: Avg. 130 lbs/ac (5%)¹

Application: Post-emergent spray (0 to 6 leaf stage)

Package Size:

- 2.75 US gallon bladder/case (10.4 liters)
- 45 cases per pallet

Area treated/case: 40 acres (16.2 hectares)

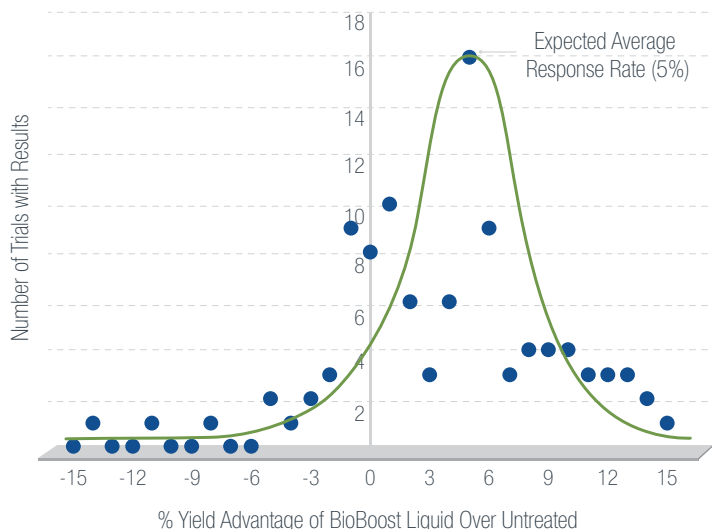
Ease of use: One package to open and add to the tank

Refer to the website for the latest compatibility testing

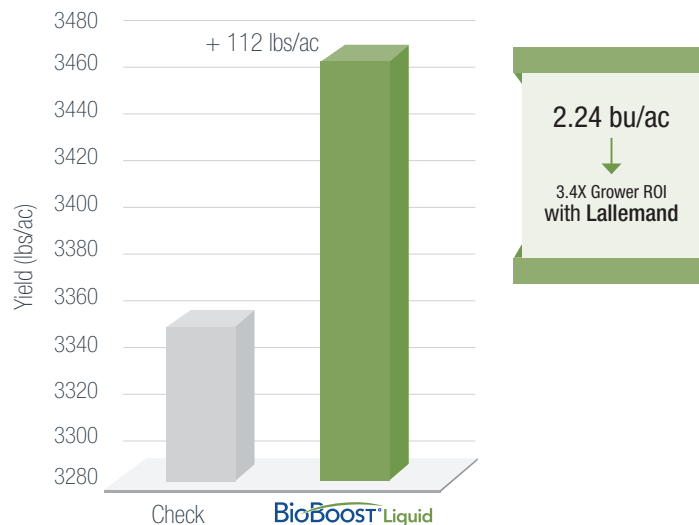
Always read and follow label instructions

¹ Average yield response on trials conducted from 2007 to 2010.

Performance in Trials



NDSU - 2019 Langdon Trial



Trial was conducted at NDSU Langdon Research Center. BioBoost was tank mixed with Round-Up and sprayed within the recommended time frame. This trial was performed in 8 replications comparing an untreated check and BioBoost Liquid.

Application Rate

Crop	Rate/Acre		Rate/Hectare	
	Active	Minimum Water	Active	Minimum Water
Canola	8.8 fl oz (260 ml)	10.0 US gal 38.5 L	21.75 fl oz (643 ml)	25.0 US gal 95.0 L

Application Notes

- Achieving good contact of *Delftia acidovorans* with soil is essential to the performance of the product. Applying product at the 0 to 6 leaf stage allows good soil contact to be achieved.
- Apply BioBoost Liquid in the morning and/or evening in cooler temperatures. Do not apply BioBoost Liquid in hot, dry conditions.
- Recommended water rates assist *Delftia acidovorans* in entering the soil. Reducing the water rate is not recommended.
- If tank mixing BioBoost Liquid with a recommended herbicide, add the bacterial solution last and ensure it is applied to the appropriate herbicide tolerant canola system.

About Lallemand Plant Care

Lallemand Plant Care (LPC) specializes in employing microorganisms including, but not limited to, yeast, bacteria, fungi and plant derivatives for biocontrol (i.e., controlling of harmful insects or microorganisms), biostimulation (i.e., eliciting natural responses) and biofertilization (i.e., enhancing plant nutrition).

Using a “field-led, science-supported” approach, LPC works closely with clients to deliver the right products for the right applications that benefit crops and create better customer experiences.

To find out more on how you can boost your crop’s performance, talk to a Lallemand Broad Acre Crop Representative, toll-free at 1-844-590-7781, or visit crops.lallemandplantcare.com