

LALFIX PROYIELD

LIQUID SOYBEAN



Dual-Action Liquid Inoculant for Soybean

For On-Seed and In-furrow Application

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

Minimum Guaranteed Analysis

ACTIVE INGREDIENTS:	<1% w/w
1 x 10 ¹⁰ CFU/mL <i>Bradyrhizobium elkanii</i>	
2 x 10 ⁷ CFU/mL <i>Delftia acidovorans</i>	
TOTAL INERT (OTHER) INGREDIENTS: Aqueous Carrier	>99% w/w

HOW IT WORKS

The active ingredients in LALFIX® PROYIELD Liquid Soybean are *Bradyrhizobium elkanii* and *Delftia acidovorans*. The dual strains of *Bradyrhizobium elkanii* in LALFIX® PROYIELD Liquid Soybean are selected for increased survival and competitiveness in soybean production. *Bradyrhizobium elkanii* is known to nodulate soybean roots and fix atmospheric nitrogen in a symbiotic relationship with the soybean plant. *Delftia acidovorans* is a plant growth-promoting rhizobacteria known to enhance plant growth and yield.

ON-SEED APPLICATION RATE

0.75 fl oz (22.2 mL) per 140,000 seeds OR 1.5 fl oz per 100 lb of seed (44.4 mL per 45.4 kg)

ON-SEED APPLICATION METHOD

- Ensure seed treatment equipment has been properly calibrated.
- Shake well to achieve uniform suspension of the product. Bacterial settling is normal.
- If applying LALFIX® PROYIELD Liquid Soybean by seed count, apply 0.75 fl oz (22.2 mL) per 140,000 seeds. If applying by seed weight, apply 1.5 fl oz (44.4 mL) of LALFIX® PROYIELD Liquid Soybean per 100 lb (45.4 kg) of seed.
- Protect inoculated seed from direct sunlight or hot, drying winds.
- Overapplication of LALFIX® PROYIELD Liquid Soybean could cause lodging or bridging of the seed in the planter box.
- Gently stir seed before planting to permit airflow and to prevent seed clumping.
- In fields with no recent history of soybean production (less than 3 years), the use of an in-furrow inoculant in addition to LALFIX® PROYIELD Liquid Soybean is recommended. Consult your agricultural input supplier for recommendations specific to your farm.
- Some seed treatments may be harmful to the inoculants. A compatibility test should be conducted prior to use with other seed treatments.
- Do not mix with caustic fertilizers or pesticides.

IN-FURROW APPLICATION RATE

3.0 fl oz (88.8 mL) per acre

IN-FURROW APPLICATION METHOD

- Ensure the tank and application methods are clean.
- Shake the bladder to uniformly suspend the *Bradyrhizobium elkanii* and *Delftia acidovorans*.
- Apply inoculant with a minimum of 5 US gal (19 L) of clean, non-chlorinated water per acre.
- Calibrate the application equipment for the correct total volume of diluted product.
- A 1 x 100 bladder of LALFIX® PROYIELD Liquid Soybean will treat 25 acres.
- Apply product directly on the seed within the furrow.
- Once mixed, use product within 24 hours and keep temperature below 80 °F (26.7 °C).
- Lallemand Plant Care recommends using an on-seed inoculant along with an in-furrow application.
- The in-furrow application rate of LALFIX® PROYIELD Liquid Soybean should be increased if this is the sole form of inoculant or if planting into harsh conditions.
- A compatibility test should be conducted prior to co-application with other products.
- Do not mix with caustic fertilizers or pesticides.

PRECAUTIONS

The active ingredients in LALFIX® PROYIELD Liquid Soybean are naturally occurring *Bradyrhizobium elkanii* and *Delftia acidovorans* strains. Avoid inhalation, ingestion, and contact with skin and eyes. Persons allergic to bacteria and immune-deficient individuals should avoid using this product. If use by an allergic person is unavoidable, prevent the possibility of absorption by eye or skin contact, inhalation, or ingestion to minimize the possibility of an allergic reaction. Standard protective clothing and equipment including gloves, safety goggles and a respirator are recommended while handling the product.

In case of contact with skin or eyes, immediately flush exposed areas with a continuous gentle stream of clean water. Seek medical attention if discomfort or irritation develops. Medical treatment should be based on the judgment of the physician in response to the reactions of the patient.

ACCIDENTAL RELEASE

Spilled liquid may be slippery. Flush spill area with adequate water to wash away slippery residues. In case of large spill, shut off release if safe to do so. Contain spill and clean up material for disposal.

STORAGE AND HANDLING RECOMMENDATIONS

The active ingredients in LALFIX® PROYIELD Liquid Soybean are living microorganisms and require specific storage conditions to ensure viability and product performance.

- Do not store product in areas where freezing will occur, or where temperature will exceed 72 °F/22 °C.
- Store inoculants in a cool, dry place out of direct sunlight and wind.
- Use before expiration date stated on the package. The expiry date is valid only for unopened bags stored under cool conditions (<72 °F/22 °C).
- Open package only when ready to use. Once open, use the entire package.
- Do not store opened bags of LALFIX® PROYIELD Liquid Soybean.
- Unused product should be disposed of in accordance with applicable federal, provincial or state, and municipal laws and regulatory guidelines.

LIMITED WARRANTY

Danstar Ferment AG/LALLEMAND PLANT CARE ("Danstar") warrants only that this product conforms to the product description on this label and is reasonably fit for the purposes set forth in the Directions for Use when used in accordance with them. However, ineffectiveness or other unintended consequences may result because of such factors as the use, storage or handling of the product contrary to the label instructions, all of which are beyond the control of Danstar. To the extent consistent with applicable law, Danstar shall not be liable for indirect or consequential damages resulting from the use, storage or handling of this product. DANSTAR MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

LALFIX® PROYIELD Liquid Soybean uses patented technology and is a registered trademark of Danstar Ferment AG/LALLEMAND PLANT CARE.

CONTAINS NON-PLANT FOOD INGREDIENTS.

Not a fertilizer substitute.

Net contents: 2.34 gal (300 fl oz) (8.8 L)

Net weight: 19.4 lb (8.8 kg)

Guaranteed by:

Danstar Ferment AG/LALLEMAND PLANT CARE
Poststrasse 30
CH-6300 Zug, Switzerland

Marketed by and distributed by:

Lallemand Specialties Inc. / LALLEMAND PLANT CARE
6120 West Douglas Avenue
Milwaukee, WI 53218 USA
1-844-590-7781