

# LALFIX PROYIELD LIQUID SOYBEAN

Dual Action Liquid Inoculant for Soybeans

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<sup>10</sup> CFU/ml *Bradyrhizobium elkanii*  
2 x 10<sup>7</sup> CFU/ml *Delftia acidovorans*  
**Total Inert (Other) Ingredients:** Aqueous Carrier.....>99% w/w

## How it Works

The active ingredients in LALFIX® PROYIELD Liquid Soybeans are *Bradyrhizobium elkanii* and *Delftia acidovorans*. The dual strains of *Bradyrhizobium elkanii* in LALFIX® PROYIELD Liquid Soybeans 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

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

## 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 Soybeans by seed count, apply 22.2 ml (0.75 fl oz) per 140,000 seeds. If applying by seed weight, apply 44.4 ml (1.5 fl oz) of LALFIX® PROYIELD Liquid Soybeans per 45.4 kg (100 lbs) of seed.
- Protect inoculated seed from direct sunlight or hot, drying winds.
- Over-application of LALFIX® PROYIELD Liquid Soybeans 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 Soybeans is recommended. Consult your agricultural inputs 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

219.5 ml (7.5 fl oz) per hectare OR 88.8 ml (3.0 fl oz) 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 50 L (13 US gal) per hectare OR 19 L (5 US gal) per acre of clean, non-chlorinated water.
- Calibrate the application equipment for the correct total volume of diluted product.
- A 1 x 400 bladder of LALFIX® PROYIELD Liquid Soybeans will treat 40.5 hectares (100 acres). A 1 x 100 bladder of LALFIX® PROYIELD Liquid Soybeans will treat 10 hectares (25 acres).
- Apply product directly on the seed within the furrow.
- Once mixed, use product within 24 hours and keep temperature below 26.7°C (80°F).
- Lallemand Plant Care recommends using an on-seed inoculant along with an in-furrow application.
- In-furrow application rate of LALFIX® PROYIELD Liquid Soybeans 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.

## In-Furrow Application Rate

The active ingredients in LALFIX® PROYIELD Liquid Soybeans 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. Standard

protective clothing and equipment including gloves, safety goggles and respirator are recommended while handling the product. Do not wear contact lenses 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 reactions of the patient.

## Storage and Handling Recommendations

The active ingredients in LALFIX® PROYIELD Liquid Soybeans 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 22°C/ 72°F.
- 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 (<22°C/ 72°F).
- Open package only when ready to use. Once open, use the entire package.
- Do not store opened bags of LALFIX® PROYIELD Liquid Soybeans.
- 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 that this inoculant (the "Product"), will contain the minimum number of live cells per milliliter/gram as specified on the Product label at the time the Product is first sold by Danstar. Danstar makes no warranty as to the Product's viability or performance since the storage, use and application of the Product and growing condition are beyond the control of Danstar.

To the extent permitted by applicable law, Danstar makes no other warranties of any kind and hereby disclaims all other warranties, whether oral or written, express or implied, including without limitation, the implied warranties of the merchantability and fitness for a particular purpose and the warranty of non-infringement. Buyer of the Product assumes the risk to persons and real or personal property arising from the use, application or handling of the Product or seeds treated with the Product.

Buyer's exclusive remedy for any and all losses, injury or damages resulting from a breach of this Limited Warranty shall be, at the election of Danstar, either the price paid by buyer for the Product purchased directly from Danstar, or the replacement of such quantity of the Product. Danstar shall not be responsible for any liabilities, damages, expenses, costs or other losses, including without limitation, loss of profits suffered in connection with the use of the Product and in no event shall Danstar be liable for any incidental, consequential, special or punitive damages to the buyer or any third party.

Buyers of the Product are deemed to have accepted the terms of this Limited Warranty upon opening the container containing the Product, requesting the Product to be applied to the seed, or use of seed to which the Product has been applied, whichever is earlier. The terms of this Limited Warranty may not be varied by any oral or written agreement.

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

**Not a plant food product.**

**Not recommended for use as a fertilizer substitute.**

**Net Contents:** 8.8 L (2.34 Gallons / 300 fl oz)

**Registration Number xxxxxx Fertilizers Act**

**Guaranteed by:**

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

**Marketed by and distributed by:**

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