

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 10¹⁰ CFU/mL *Bradyrhizobium elkanii*

2 x 10⁷ CFU/mL *Delftia acidovorans*

Total Inert (Other) Ingredients: Aqueous Carrier >99% w/w

How It Works

The active ingredient 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 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 of seed).

On-Seed Application Method

- Ensure seed treater 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 lbs (45.4 kg) of seed.
- Protect inoculated seed from direct sunlight or hot, drying winds.
- Over-application 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 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

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 the inoculant with a minimum of 5 US gallons (19 liters) 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. A 1 x 400 bladder of LALFIX[®] PROYIELD Liquid Soybean will treat 100 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.
- 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 ingredient in LALFIX[®] PROYIELD Liquid Soybean is naturally occurring *Bradyrhizobium elkanii* and *Delftia acidovorans* strains. Persons allergic to bacteria 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 the 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 expiration 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 that this inoculant (the "Product") will contain the minimum number of live cells per millilitre/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 Soybean 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: 75 fl oz (2.2 L) bladder OR 2.34 gal (300 fl oz) (8.8L) (4x75 fl oz (2.2L) bladders per case)

Lot No.: see printing on the bag

Production date: see printing on the bag

Guaranteed by:
Danstar Ferment AG / LALLEMAND PLANT CARE
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CH-6300 Zug, Switzerland

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