

# LALFIX PRO DOSE



SOYBEAN



LIQUID



INOCULANT

Dual action soybean inoculant for on-seed and in-furrow soybean treatment

**READ ALL DIRECTIONS BEFORE USING THIS PRODUCT**

#### MINIMUM GUARANTEED ANALYSIS

**ACTIVE INGREDIENTS:** .....<1% w/w  
1 x 10<sup>10</sup> CFU/ml *Bradyrhizobium japonicum*

**TOTAL INERT (OTHER) INGREDIENTS:** Aqueous Carrier .....>99% w/w

#### HOW IT WORKS

The active ingredient in LALFIX<sup>®</sup> PRO DOSE are *Bradyrhizobium japonicum*. *Bradyrhizobium japonicum* is known to nodulate soybean roots and fix atmospheric nitrogen in a symbiotic relationship with the soybean plant.

#### IN-FURROW APPLICATION

- Ensure the tank and application equipment are clean.
- Shake well to achieve uniform suspension of the product. Bacterial settling is normal.
- Apply 3.0 fl. oz. (88.8 mL) LALFIX<sup>®</sup> PRO DOSE per acre.
- Apply with a minimum of 6 gallons (23 liters) of clean, non-chlorinated water per acre.
- Calibrate the application equipment for the correct total volume of diluted product.
- Apply LALFIX<sup>®</sup> PRO DOSE directly on the seed within the furrow.
- Once mixed, use product within 24 hours and keep temperature below 80°F (26.7°C).
- The use of an on-seed inoculant is recommended along with an in-furrow application.
- Increase the in-furrow application rate 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.

#### ON-SEED APPLICATION

- Ensure seed treatment equipment has been properly calibrated.
- Shake well to achieve uniform suspension of the product. Bacterial settling is normal.
- Apply 1.5 fl. oz. of LALFIX<sup>®</sup> PRO DOSE per 100 lb. of seed.
- Protect LALFIX<sup>®</sup> PRO DOSE inoculated seed from direct sunlight or hot, drying winds.
- Plant inoculated seed within 30 days on bare seed for best results.
- Over-application of LALFIX<sup>®</sup> PRO DOSE could cause lodging or bridging of the seed in the planter box.
- Gently stir seed before planting to permit air flow and to prevent seed clumping.
- In fields with no recent history of soybean production (less than 3 years), the use of an in-furrow *Bradyrhizobium japonicum* inoculant in addition to LALFIX<sup>®</sup> PRO DOSE 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.

#### PRECAUTIONS - KEEP OUT OF REACH OF CHILDREN

The active ingredient in LALFIX<sup>®</sup> PRO DOSE is naturally occurring *Bradyrhizobium japonicum* cells. Persons allergic to bacteria and immune deficient individuals should avoid using this product. Avoid exposure through inhalation, or to open wounds and eyes. Standard protective clothing and equipment including gloves, safety goggles and a NIOSH (The National Institute for Occupational Safety and Health) or MSHA (the Mine Safety and Health Administration) approved respirator are recommended during handling and storage. Use this product in well ventilated areas. In case of contact with skin or eyes, immediately flush exposed areas with a continuous gentle stream of clean water. In case of inhalation, remove person to fresh air. In case ingestion, do not induce vomiting but rinse mouth with water. Seek medical attention if discomfort or irritation develops. Medical treatment should be based on the judgement of the physician in response to reaction of the patient.

#### STORAGE AND HANDLING RECOMMENDATIONS

The active ingredients in LALFIX<sup>®</sup> PRO DOSE are living microorganisms and require specific storage conditions to ensure viability and product performance.

- Store under cool conditions (<72°F/22°C) away from direct sunlight and heat. Avoid freezing.
- 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).
- Use entire contents of bag after opening.
- Do not store opened bags.
- The expiration date is valid only for unopened bags stored under cool conditions (<72°F/22°C).
- 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

#### Not a plant food product.

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

**Batch No.:** see printing on the packaging"

**Expiration Date:** see printing on the packaging"

#### Guaranteed by:

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

**50 x 400 units** – Each bladder treats 20,000 lb (9,072 kg) of seed

**NET CONTENTS:** 50 x 2.34 gal (300 fl oz) per bladder

**NET WEIGHT:** 50 x 19.4 lb (8.8 kg) per bladder

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