

# LALFIX LIQUID PEA & LENTIL



PEA & LENTIL



LIQUID



INOCULANT

## Two-Strain Liquid Inoculant for Pea, Lentil and Faba Bean

For On-Seed and In-Furrow Application

### READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

#### Guaranteed Minimum Analysis

8 x 10<sup>8</sup> CFU/mL *Rhizobium leguminosarum* biovar *viciae*

### HOW IT WORKS

The active ingredient in LALFIX® LIQUID for Pea & Lentil is *Rhizobium leguminosarum* biovar *viciae*. *Rhizobium leguminosarum* is known to nodulate pea, lentil and faba bean roots and fix atmospheric nitrogen in a symbiotic relationship with the plant. LALFIX® LIQUID for Pea & Lentil contains two strains of *Rhizobium leguminosarum* biovar *viciae* selected for enhanced performance and competitiveness in pea, lentil and faba bean production.

### ON-SEED APPLICATION RATE

59 mL per 22.7 kg of seed (2.0 fl oz per 50 lb of seed). One case treats 4,500 kg (10,000 lb) 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.
- Apply 59 mL (2.0 fl oz) of LALFIX® LIQUID for Pea & Lentil per 22.7 kg (50 lb) of seed.
- Protect LALFIX® LIQUID for Pea & Lentil inoculated seed from direct sunlight or hot drying winds.
- Plant inoculated seed within 48 hours on bare seed for best results. Re-inoculation with fresh product is recommended after 48 hours.
- Over-application of LALFIX® LIQUID for Pea & Lentil 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.
- 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

1,094 mL (37 fl oz) per hectare OR 443 mL (15 fl oz) per acre. One case treats 11 hectares (28 acres).

### IN-FURROW APPLICATION METHOD

- Ensure the tank and application methods are clean.
- Shake the bladder to uniformly suspend the *Rhizobium leguminosarum* biovar *viciae*.
- Apply the inoculant with a minimum of 50 L (13 US gal) per hectare OR 20 L (5 US gal) per acre of clean, non-chlorinated water.
- Calibrate the application equipment for the correct total volume of diluted product.
- 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.
- 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® LIQUID for Pea & Lentil is naturally occurring *Rhizobium leguminosarum* biovar *viciae* cells. Persons allergic to bacteria should avoid using this product. 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 ingredient in LALFIX® LIQUID for Pea & Lentil is a living microorganism and requires 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 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 (<22 °C/72 °F).
- Open package only when ready to use. Once open, use the entire package.
- Do not store opened bags of LALFIX® LIQUID for Pea & Lentil.
- Unused product should be disposed of in accordance with applicable federal, provincial or territorial, 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® LIQUID for Pea & Lentil is a registered trademark of Danstar Ferment AG/LALLEMAND PLANT CARE.

*Rhizobium leguminosarum* biovar *viciae* strains are selected from a collaboration between Danstar Ferment AG/Lallemand Plant Care and the *Institut national de recherche pour l'Agriculture, l'alimentation et l'environnement (INRAE)*.

Not a plant food product.

Not recommended for use as a fertilizer substitute.

Registration number: 2020107S *Fertilizers Act*

Lot No.: see printing on the packaging

Expiration date: see printing on the packaging

## Product of USA

### Guaranteed by:

Danstar Ferment AG/LALLEMAND PLANT CARE

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