

LALFIX LIQUID PEANUTS

Two-Strain Liquid Inoculant for Peanuts

For In-Furrow Application

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

MINIMUM GUARANTEED ANALYSIS

Active Ingredient:..... <1%w/w
1.5 x 10⁹ CFU/ml *Bradyrhizobium spp.*

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

How It Works

The active ingredient in LALFIX® Liquid Peanuts is *Bradyrhizobium spp.* *Bradyrhizobium* is known to nodulate peanut roots and fix atmospheric nitrogen in a symbiotic relationship with the plant. LALFIX® Liquid Peanuts contains two selected strains of *Bradyrhizobium* for balanced performance under a variety of growing conditions.

Application Directions

1.0 FL. OZ OF LALFIX® LIQUID PEANUTS PER 1,000 FT OF ROW.

Application Table

Row Width	Rate of LALFIX® Liquid Peanut (fl oz/ac)	Acres Treated per 4.4-Gallon Case	Acres Treated per 1.1-Gallon Bladder	Total Water Volume (ga/acre)
30"	17.0	33.1	8.3	8.0
36"	15.0	37.5	9.4	7.0
38"	14.0	40.2	10.0	6.5
40"	13.0	43.3	10.8	6.0
30" twin row	34.0	16.6	4.2	16.0
36" twin row	30.0	18.8	4.7	14.0
38" twin row	28.0	20.1	5.0	13.0
40" twin row	26.0	21.7	5.4	12.0

In-Furrow Application Method

- Ensure the tank and application methods are clean.
- Shake the bladder to uniformly suspend the *Bradyrhizobium spp.*
- Apply the inoculant with a minimum of 6 US gallons (22.7 litres) of clean, nonchlorinated water per acre. Increased water volumes are not harmful and may be beneficial to rhizobia establishment.
- Apply 1.0 fl oz of LALFIX® Liquid Peanuts per 1,000 ft of row. See application table for guidelines. Double this application to 2.0 fl oz of LALFIX® Liquid Peanuts per 1,000 ft of row in twin-row systems (acres treated by package will be half).
- Calibrate the application equipment for the correct total volume of diluted product.
- Apply product directly on the seed within the furrow. Use orifice disks to obtain a steady stream of inoculant mix into the furrow.
- Once mixed, use product within 24 hours and keep temperature below 90°F (32°C).
- Care should be taken to mitigate the effects of dry and hot soil on rhizobia bacteria survival through the use of irrigation after plant.
- Do not mix LALFIX® Liquid Peanuts with caustic fertilizers or pesticides.
- Some co-mixes may be harmful to inoculants. A compatibility test should be conducted prior to use with other products.

Precautions

The active ingredient in LALFIX® Liquid Peanuts is naturally occurring *Bradyrhizobium spp.* 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. 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 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 Peanuts 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 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® Liquid Peanuts.
- 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.

Not a plant food product.

Not recommended for use as a fertilizer substitute.

Net contents: 4 x 1.1 US gallons (4.4 gallons per case of 563 fl oz)

Net weight: 36.72 lbs

Lot No.: see printing on the bag

Production date: see printing on the bag

Guaranteed by:

Danstar Ferment AG / LALLEMAND PLANT CARE

Poststrasse 30

CH-6300 Zug, Switzerland

Product of Uruguay

Marketed by and distributed by:

Lallemand Inc. / LALLEMAND PLANT CARE

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