

# Cell-Tech™ liquid

nitrogen-fixing inoculant  
pea and lentil

## pea and lentil

### ATTENTION:

This specimen label is provided for general information only.

- This biological product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state/provincial and local laws and regulations regarding the use of biologicals.
- Before using any biological, be sure the intended use is approved in your state/province or locality.
- Your state/province or locality may require additional precautions and instructions for use of this product that are not included here.
- Monsanto does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on the product label.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the biological you are using.

### MINIMUM GUARANTEED ANALYSIS

ACTIVE:  $2 \times 10^9$  viable cfu/ml [ $2 \times 10^9$  viable cfu/g]  
*Rhizobium leguminosarum*

INERT: Aqueous carrier >99%

### NONPLANT FOOD INGREDIENT

Not a fertilizer substitute

Read the entire label before using this product. Use only according to label directions.

### How it Works

The active ingredient in Cell-Tech™ liquid nitrogen-fixing inoculant pea and lentil is the bacterium *Rhizobium leguminosarum*. *Rhizobium leguminosarum* forms root nodules which convert, or fix, nitrogen in the air into forms the plant can use.

### Application Rate

On-Seed

75 ml/27 kg [2.5 fl oz per 60 lb]

### Directions for Use

**SHAKE WELL BEFORE USING.**

**Open package only when ready to use. Use before expiration date.**

Settling of bacteria is normal. Shake product well before use to achieve a uniform suspension. Protect inoculated seed from sunlight and drying winds. Cell-Tech liquid nitrogen-fixing inoculant pea and lentil is a biological product, which may be sensitive to chemical residues.

### Batch Application

1. Measure the appropriate rate for the quantity of seed being inoculated.
2. Pour over the seed and stir well until all seeds glisten. Rate: 75 ml/27 kg (2.5 fl oz/60 lb) seed.

### Continuous Application

Application methods may vary depending on equipment. If you are using "Application Kit" refer to the instructions for further information on how to dispense in a continuous auger inoculating system.

1. Remove bag, attach applicator cap and tubing, then hang in enclosed mesh bag.
2. Apply to the seed as soon as possible.
3. Calibrate the system to ensure that 75 ml (2.5 fl oz) of Cell-Tech flows out of the nozzle in the time that 27 kg (60 lb) of seed passes beneath it.

Where phosphate availability is limiting plant growth, Cell-Tech may be co-inoculated with JumpStart® inoculant.



Manufactured For  
and Guaranteed By:  
Monsanto Company  
800 N. Lindbergh Blvd.  
St. Louis, Missouri 63167 USA

For Medical, Transportation,  
Spill or Other Emergencies  
Call Collect 24 Hours a Day  
1-314-694-4000

For Product Use Information  
Call: 1-877-775-8787

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## For Best Results

- Open package only when ready to use.
- Pea seed: Plant inoculated seed within 48 hours of adding to bare seed.
- Lentil seed: Plant inoculated seed within 24 hours of adding to bare seed.

## Seed Treatment Recommendations

Application with other seed treatments is possible, but may reduce the planting window. For up-to-date pesticide compatibility information, please call Monsanto Company at 1-877-775-8787.

## Where to use for maximum benefit:

- Best responses to Cell-Tech liquid nitrogen-fixing inoculant pea and lentil occur in soils that are low in available forms of nitrogen and populations of *Rhizobium leguminosarum*.

## Benefits of Cell-Tech may be limited on:

- Soils with high nitrogen levels or with high application rates of nitrogen fertilizer.
- Soils that have been heavily manured.

## Applicators and Other Handlers

The active ingredient in Cell-Tech liquid nitrogen-fixing inoculant pea and lentil is *Rhizobium leguminosarum* viable cells. Eye or skin contact, inhalation, or ingestion should be avoided. Wear standard protective clothing and equipment including gloves, safety glasses. Ensure adequate ventilation. Where exposure through inhalation may occur, use respiratory protective equipment. This product contains microorganisms that may have the potential to provoke sensitizing reactions; use appropriate personal protective equipment (PPE) to reduce exposure. Sensitized individuals should wear an NIOSH-approved respirator. In case of contact with skin or eyes, immediately flush exposed areas with plenty of water. Get medical attention if irritation occurs.

## Storage and Disposal

The active ingredient in Cell-Tech liquid nitrogen-fixing inoculant pea and lentil is a living organism and requires specific storage conditions to ensure viability and product performance. To maintain product viability:

- Store bags under cool conditions, between 4°C (39°F) and 12°C (54°F), away from sunlight and direct heat sources.
- Minimize temperature fluctuations.
- Avoid freeze/thaw cycles.
- Keep container closed when not in use.
- Use before the expiration date. The expiration date is valid only for unopened bags stored under the conditions listed above.
- Use this product only in well-ventilated areas.

Unused Cell-Tech liquid and seed to which Cell-Tech liquid has been applied should be disposed of in accordance with applicable Federal, state/provincial, and local requirements.

Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.html>

## Limited Warranty

The Seller warrants that this product contains a minimum number of *Rhizobium leguminosarum* viable cells as specified on this label. The Seller makes no other warranty expressed or implied as to product viability or performance since product storage, use and growing conditions are beyond the Seller's control. Seller's guarantee is limited to the terms set out on the label and subject thereto. Buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition. If this product does not perform as warranted above, and to the extent consistent with applicable law, customer's sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of Monsanto Company.

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Patents that cover Cell-Tech can be found at [www.monsantotechnology.com](http://www.monsantotechnology.com)

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