

Cell-Tech™ NS peat

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, provincial and local laws and regulations regarding the use of biologicals.
- Before using any biological, be sure the intended use is approved.
- Your province or municipality may require additional precautions and instructions for use of this product that are not included here.
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- 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.

Cell-Tech™ NS Single-Action Legume Fertility

MINIMUM GUARANTEED ANALYSIS

ACTIVE: 5 x 10⁸ viable cfu/g *Rhizobium leguminosarum* biovar *viciae*

INERT: Peat-based carrier

NONPLANT FOOD INGREDIENT

Not a fertilizer substitute

Warning

May form combustible dust concentrations in air [with packages greater than 25 kg].

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

How it Works

The active ingredient in Cell-Tech NS peat pea and lentil, the naturally occurring bacterium *Rhizobium leguminosarum* biovar *viciae*, grows on plant roots and forms root nodules which convert or fix nitrogen from the air into forms the plants can use.

Directions for Use

Cell-Tech NS peat can be applied as a dry application or applied to pre-moistened seed. Cell-Tech NS peat may be applied when transferring seed from the bin to the truck, or from the truck to the tank or seed cart. This product may also be applied directly to seed in the tank or seed cart. Cell-Tech NS peat should be mixed thoroughly with the seed and the seed should be evenly coated. Cell-Tech NS peat inoculated seed should be planted within 24 hours.

Apply Cell-Tech NS peat at a rate of 40 grams (1.4 oz) per 25 kilograms (55 lb) of pea or 67 grams (2.4 oz) per 25 kilograms (55 lb) of lentil.

Dry Application:

- Pour the correct amount of Cell-Tech NS peat into drill hopper, as referenced in Table 1. Mix thoroughly.
- For bulk systems, Cell-Tech NS peat can be directly metered onto seed.

Slurry Method Application:

- Mix Cell-Tech NS Peat with cool, clean, non-chlorinated water and apply to seed as a slurry, as referenced in Table 1.

Table 1. Application rates and bare seed planting windows

Crop	Seed Inoculated by one bag	Planting Window (bare seed)
Pea	700 kg (1,500 lb, 25 bu)	24 hours
Lentil	700 kg (1,500 lb, 25 bu)	24 hours

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.



Manufactured For
and Guaranteed By:
Monsanto Company
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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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Where to Use for Maximum Benefit

- Best nitrogen responses to Cell-Tech occur in soils that are low in available forms of nitrogen and populations of *Rhizobium leguminosarum*.
- If soils are extremely low in available nitrogen, below 16.8 kg N/ha (15 lb N/acre), Cell-Tech may be more effective when used with a small amount of starter nitrogen fertilizer 11.2-16.8 kg N/ha (10-15 lb N/acre).

Benefits of using Cell-Tech may be limited on:

- Soils with high nitrogen levels or with high application rates of nitrogen fertilizer.

Applicators and Other Handlers

The active ingredient in Cell-Tech NS peat nitrogen-fixing inoculant pea and lentil is *Rhizobium leguminosarum* biovar *viciae* 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

Cell-Tech NS peat requires specific storage conditions to ensure viability and product performance:

- Store Cell-Tech NS peat bags and Cell-Tech NS peat inoculated seed under cool conditions < 20°C (68°F) away from sunlight and direct heat sources.
- Minimize temperature fluctuations.
- Avoid freeze/thaw cycles.
- Use entire contents of bag after opening.
- Use before the expiry date. The expiry date is valid only for unopened bags stored under the previously noted conditions.
- Avoid contact with strong fertilizers.
- Use this product only in well-ventilated areas.

Unused Cell-Tech NS peat and Cell-Tech NS peat inoculated seed should be disposed of in accordance with applicable civil statutes.

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* biovar *viciae* 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

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