Cell-Tech® Peat

nitrogen-fixing inoculant for

pea and lentil

CONTAINS NONPLANT FOOD INGREDIENT(S)

ACTIVE: 7.4 x 10^8 viable cfu/g *Rhizobium leguminosarum*

INERT: peat-based carrier

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®, the naturally occurring bacterium *Rhizobium leguminosarum*, grows on plant roots and forms nodules which convert or fix nitrogen from the air into forms the plants can use.

Directions for Use

Cell-Tech® peat can be applied as a dry application or applied to pre-moistened seed. Cell-Tech 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 peat should be mixed thoroughly with the seed and the seed should be evenly coated. Cell-Tech peat inoculated seed should be planted within 48 hours.

Apply Cell-Tech 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 peat into drill hopper, as referenced in Table 1. Mix thoroughly.
- For bulk systems, Cell-Tech peat can be directly metered onto seed.

Slurry Method Application:

- Mix Cell-Tech 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	Approximate water volume	Planting window (bare seed)
Pea	1,360 kg (3,000 lb, 50 bu)	4.0 litres (4.2 US quarts)	48 hours
Lentil	820 kg (1,800 lb, 30 bu)	2.5 litres (2.7 US quarts)	48 hours

Seed Treatment Recommendations

- Once Cell-Tech is mixed in water, apply to seed within 6 hours.
- The planting window is the maximum time allowed between application and seeding.
- Application with other seed treatments is possible but may reduce the planting window. For up-to-date pesticide compatibility information and bare seed planting windows, please contact Novozymes BioAg Limited at 1-888-744-5662.

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 peat may be limited on:

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

Net Contents

7 x 2.2 kg (4.8 lb)

Treats

7 x 1,360 kg (3,000 lb, 50 bu) peas
7 x 820 kg (1,800 lb, 30 bu) lentil

Applicators and Other Handlers

The active ingredient in Cell-Tech peat nitrogen-fixing inoculant for 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 and 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 a 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 Peat for pea and lentil requires specific storage conditions to ensure viability and product performance:

- Store Cell-Tech peat bags and Cell-Tech 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.

Unused Cell-Tech peat and Cell-Tech peat inoculated seed should be disposed of in accordance with applicable federal, state/provincial, and local requirements, and should not be used for food, feed, or oil purposes.

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

Novozymes BioAg warrants that this product contains a minimum number of *Rhizobium leguminosarum* viable cells as specified on this label. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NOVOZYMES BIOAG MAKES NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE, INFRINGEMENT (ALONE OR IN COMBINATION WITH OTHER SEED TREATMENT PRODUCTS) OR MERCHANTABILITY. Novozymes BioAg limited warranty is also subject to the inherent risks, conditions, and limitations stated herein.

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PEA AND LENTIL

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