

Cell-Tech® NS peat nitrogen-fixing inoculant for

pea & lentil

ATTENTION:

This Specimen label is provided for general information only.

Cell-Tech® NS Single-Action Legume Fertility.

CONTAINS NONPLANT FOOD INGREDIENT(S)

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

INERT: Peat-based carrier

How it Works

The active ingredient in Cell-Tech NS Peat Nitrogen-Fixing Inoculant for 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 for Pea and Lentil can be applied as a dry application or applied to pre-moistened seed. Cell-Tech Pea & Lentil NS Peat Inoculant 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 Pea & Lentil NS Peat Inoculant should be mixed thoroughly with the seed and the seed should be evenly coated. Cell-Tech Pea & Lentil NS Peat Inoculant inoculated seed should be planted within 48 hours.

Apply Cell-Tech Pea and Lentil NS Peat Inoculant at a rate of 101 g (3.6 oz.) per 25 kilograms (55 lb.) of pea or lentil seed.

Dry Application:

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

Slurry Method Application:

- Mix Cell-Tech Pea & Lentil NS Peat Inoculant 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 Novozymes at 1-888-744-5662.

Where to use for maximum benefit:

- Best nitrogen responses to Cell-Tech Pea & Lentil NS Peat Inoculant 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 Pea & Lentil NS Peat Inoculant 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 Pea & Lentil NS Peat Inoculant may be limited on:

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

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Applicators and Other Handlers

The active ingredient in Cell-Tech Pea & Lentil NS Peat Inoculant 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, 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 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 for Pea and Lentil requires specific storage conditions to ensure viability and product performance:

- Store Cell-Tech Pea & Lentil NS Peat Inoculant bags under cool and dry conditions. Avoid temperatures consistently over 30°C (86°F) and long-term freezing conditions. Avoid exposure to direct sunlight and heat sources
- Store Cell-Tech Pea & Lentil NS Peat Inoculant inoculated seeds 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 Pea & Lentil NS Peat Inoculant and seed to which Cell-Tech Pea & Lentil NS Peat Inoculant has been applied 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

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 Novozymes.

EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESSED REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OR GUARANTEE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, INCLUDING ANY OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.