

Cell-Tech[®] peat

nitrogen-fixing inoculant for

pea and
lentil

Extended Label

Cell-Tech Single-Action Legume Fertility

Product No. 5511-752

Net contents

4.8 lb (2.2 kg) per package

Each 4.8 lb treats

3,000 lb (50 bu) peas

1,800 lb (30 bu) lentils

How to apply

Cell-Tech has its own sticker in the formulation. A separate sticker is not needed. Apply Cell-Tech to pre-moistened seed, or add water while applying Cell-Tech, or mix Cell-Tech with cool, clean water and apply to seed as a slurry (refer to Table 1). Apply Cell-Tech when transferring seed from the bin to the truck, or from the truck to the tank or seed cart. Cell-Tech may also be applied directly to seed in the tank or seed cart. Make sure Cell-Tech is mixed thoroughly with the seed and that the seed is evenly coated.

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

MINIMUM GUARANTEE

ACTIVE: 7.4×10^8 *Rhizobium leguminosarum* viable cells per gram

INERT: Sterilized milled peat with natural graphite, calcium carbonate, and a water based medium (containing sucrose and yeast extract)

How it works

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

Storage and handling

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

- Store Cell-Tech bags and Cell-Tech inoculated seed under cool conditions $< 20\text{ }^{\circ}\text{C}$ ($68\text{ }^{\circ}\text{F}$) 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 and unplanted Cell-Tech inoculated seed should be disposed of in accordance with applicable civil statutes and guidelines.

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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

- 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 at 1-888-744-5662

Where to use for maximum benefit

Higher nitrogen fixation from Cell-Tech occurs in soils that are low in available forms of nitrogen and populations of *Rhizobium leguminosarum*.

Limitations

Do not use Cell-Tech on soils with high nitrogen levels or with high application rates of nitrogen fertilizer.

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 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.



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