

Cell-Tech[®] liquid nitrogen-fixing inoculant for

soybean

ATTENTION:

This Specimen label is provided for general information only.

MINIMUM GUARANTEE ANALYSIS

ACTIVE: 2 billion (2×10^9) viable cfu/ml
 [2 x 10⁹ viable cfu/g] *Bradyrhizobium japonicum*
 INERT: aqueous carrier >99%

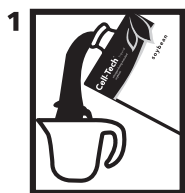
NON-PLANT FOOD INGREDIENT

Not a fertilizer substitute

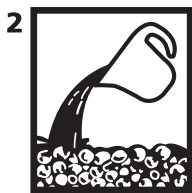
On-Seed

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/bu [60 lb]) or 63 ml/23 kg (2.1 fl oz per unit [50 lb]).

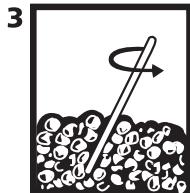
Batch Application



Pour desired quantity into measuring cup.



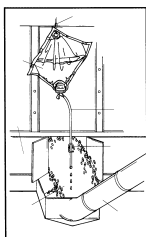
Pour around top of seed.



Stir well to coat all seed.

Continuous Application

1. Remove bladder from box, remove cap, remove inner seal and replace with applicator cap and tubing.
2. If you are using the Cell-Tech[®] Application Kit, insert "S" hook in opening on bag and hang assembled unit to allow placement of the tube end at the base of the auger. Otherwise, hang the assembled unit to allow placement of the tube end at the base of the auger.



Remove bladder from box, remove cap, remove inner seal and replace with applicator cap and tubing. Hang bag and calibrate.

Proper rate of Cell-Tech soybean is when seed first becomes uniformly coated and glistens.

Initially calibrate Cell-Tech soybean flow below the recommended rate, and then increase to proper rate.

Operate the auger at half capacity for best mixing.

How to Apply for In-furrow Use

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 soybean is a biological product, which may be sensitive to chemical residues.

Do not apply banded to the side, below, or above the seed. In hot/dry soil conditions, minimize the harmful effects on the inoculant by applying water as soon as possible (irrigated land). If using a pivot irrigation to apply product start on the soybeans that were planted first. Use the diluted product within 24 hours. Do not allow tank mix to exceed 37.7°C (100°F).

In-Furrow

1. Shake product well before use to achieve a uniform suspension and empty into the cleaned spray tank.
2. Fill the spray tank with clean, non-chlorinated water to the appropriate level. Product will be mixed with this procedure and does not require agitation to remain in suspension.
3. Use a clean liquid delivery system to apply the diluted inoculant in the furrow directly on the seed.
4. Cell-Tech liquid nitrogen-fixing inoculant soybean is to be applied in-furrow at a rate of 15 to 30 milliliters of concentrate per 304 meters of row (0.5 to 1 fluid ounce per 1,000 feet of row). The application of the diluted product may be applied at 28 to 190 liters per hectare (3 to 20 gallons per acre). Calibrate equipment to deliver correct flow rate. The quantity of product delivered per hectare (acre) will vary depending upon row width.

Metric Measurements

Row width (cm)	Recommended product rate* (ml/ha)	Unit treats (ha)
38	1,280 – 2,560	4.9 – 9.8
51	950 – 1,900	6.6 – 13.2
76	620 – 1,240	10.1 – 20.2
91	550 – 1,100	11.4 – 22.7

US Customary Measurements

Row width (in)	Recommended product rate* (fl oz/ac)	Unit treats (ac)
15	17.5 – 35.0	12.8 – 25.5
20	13.0 – 26.0	17.2 – 34.3
30	8.5 – 17.0	26.3 – 52.5
36	7.5 – 15.0	29.8 – 59.5

*Under adverse conditions or on first year land, use full rate of Cell-Tech (30 milliliters per 304 meters of row or 1 fluid ounce per 1,000 feet of row).

Cell-Tech[®] liquid

nitrogen-fixing inoculant for

soybean

Applicators and Other Handlers

The active ingredient in Cell-Tech liquid nitrogen-fixing inoculant for soybean is *Bradyrhizobium japonicum* 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

The active ingredients in Cell-Tech liquid nitrogen-fixing inoculant for soybean 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 39°F (4°C) and 54°F (12°C), 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 *Bradyrhizobium japonicum* 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 on that condition.