

Cell-Tech[®] liquid

nitrogen-fixing inoculant for soybean

Unit treats
 • On-seed 1,135 kg (2,502 lb) (41.7 bu) (50 units) or 7,000,000* seeds
 • In-furrow 2.5 hectares at 76 cm row width (6.5 acres at 30 inch row width)

PROD. # 5020-708

Cell-Tech[®] liquid

nitrogen-fixing inoculant for soybean

Shake well before use.
Store in a cool place.
Use before expiration date.
Open package only when ready to use.

Not a plant food product
 Net weight: 3.1 kg (109.2 US oz)
 Net contents: 3.1 L (104.7 US fl oz)

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 or performance since 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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novozymes[®]
 Rethink Tomorrow

Novozymes BioAg
 3935 Thatcher Avenue
 Saskatoon, SK Canada S7R 1A3
 1-888-744-5662*

* Available 24 hours a day/7 days a week, April-June 15, otherwise business hours.

Cell-Tech[®] liquid

nitrogen-fixing inoculant for

soybean

PROD. # 5020-708

Application rate

- On-seed 75 ml/27 kg (2.1 fl oz/50 lb)
- In-furrow 15-30 ml/304 m of row (0.5-1 fl oz/1,000 ft of row)

Unit treats

- On-seed 1,135 kg (2,502 lb) (41.7 bu) (50 units) or 7,000,000* seeds
*based on 140,000 seeds per unit
- In-furrow 2.5 hectares at 76 cm row width (6.5 acres at 30 inch row width)

MINIMUM GUARANTEE

2 billion (2 x 10⁹) *Bradyrhizobium japonicum* viable cells per gram

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Directions for on-seed use

Read directions before use

Batch application

-  Pour desired quantity into measuring cup.
-  Pour around top of seed.
-  Stir well to coat all seed.

Shake well before use

Settling of bacteria is normal. Shake product to achieve a uniform suspension.

Protect inoculated seed from sunlight and drying winds. Plant inoculated seed within four days.

Cautionary statements

Over-application may initially cause sticky seed. Dried seeds are no longer sticky, but seeds may be clumped or bridged. Break seed clumps apart before planting. Decrease Cell-Tech soybean rate to eliminate the problem.

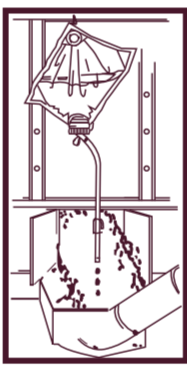
Some seed-applied chemicals, including fungicides, may be harmful to the inoculant. Contact Novozymes BioAg at 1-888-744-5662.

Measure the appropriate rate for the quantity of seed being inoculated, pour over the seed and stir well until all seeds glisten:
 75 ml/27 kg [2.5 fl oz /bu (60 lb)]
 or 63 ml/23 kg [2.1 fl oz per unit (50 lb)]

Continuous application

Remove bladder from box, remove cap, remove inner seal and replace with applicator cap and tubing. Insert "S" hook in opening on bag and hang assembled unit to allow placement of the tube end at the base of the auger.

Continuous application



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.

PROD. # 5020-708

Directions for in-furrow use

Read directions before use



Shake well before use

Settling of bacteria is normal. Product should be shaken to achieve a uniform suspension.

Cell-Tech soybean is a biological product which may be sensitive to chemical residues. Use a clean liquid delivery system to apply the diluted inoculant in the furrow directly on the seed. Remove spray tips and replace with appropriate flow regulator orifice discs and direct the solid stream behind the seed planting assembly in the furrow. 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). Pivot irrigation – begin the irrigation on the soybeans that were planted first.

Mixing procedures

Shake well and empty into the cleaned spray tank. 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. Use the diluted product within 24 hours. Do not allow tank mix to exceed 37.7°C (100°F).

Application procedures

Cell-Tech soybean is to be applied in-furrow at a rate of 15-30 milliliters of concentrate per 304 meters of row (0.5-1 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 sprayer to deliver correct amount. 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	1.2 - 2.4
51	950 - 1,900	1.6 - 3.2
76	620 - 1,240	2.5 - 3.0
91	550 - 1,100	2.8 - 5.6

U.S. customary measurements		
Row width (inches)	Recommended product rate* (ounces/acre)	Unit treats (acres)
15	17.5 - 35.0	3.0 - 6.0
20	13.0 - 26.0	4.0 - 8.0
30	8.5 - 17.0	6.2 - 12.4
36	7.5 - 15.0	7.0 - 14.0

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

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