

Cell-Tech®

chickpea

Cell-Tech® granular

nitrogen-fixing
inoculant for

chickpea

PROD. # 8045-740
NON PLANT FOOD INGREDIENT

EXPIRATION DATE:

MINIMUM GUARANTEE

Active: 100 million (1 x 10⁸) *Mesorhizobium ciceri*
CFU per gram

- This product is a culture of nodule-forming, nitrogen-fixing bacteria which gather free air nitrogen and make it available to the plant
- Applies easily through standard insecticide hoppers
- Injects massive numbers of bacteria directly into the soil as you plant
- Separates bacteria from direct contact with chemical seed protectants
- An essential part of your program to increase yields – profitably

Caution

Avoid prolonged or repeated skin contact or inhalation of dust. Recommend wearing of dust mask, safety glasses, and protective gloves.

Not a plant food product

See reverse side for calibration recommendations

IMPORTANT - STORE FLAT UNTIL READY TO USE - USE BEFORE DATE PRINTED ON TAPE

Net contents
18 kg (40 lb)

2620-243-0811



Novozymes BioAg Limited
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.

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Directions for use

Cell-Tech granular inoculant is different from granular pesticides in that it has a high moisture content. This is essential for bacteria survival. For best performance read and follow these directions for use:

- 1. Application equipment:** Cell-Tech is best applied with the following granular application equipment: a) Dedicated air seeder tank; b) Bulk granular applicators (Belme, Valmar, etc.); c) Hoe-drill or Press-drill units (adjust short flexible tubing from hopper to planter unit so that it is as straight and vertical as possible). Cell-Tech may also be applied through granular insecticide boxes or standard grain drills. Clean tank/hopper, rotor and calibration mechanism thoroughly before filling.
- 2. Determine application rate:** Cell-Tech granular should be applied in-furrow at the rate of 170 grams per 300 meters of row (6 ounces per 1,000 feet of row).
- 3. Calibrate equipment before each use:** Follow calibration instructions supplied by the equipment manufacturer. Set controls at a larger opening and adjust down to give the desired application rate of 170 grams per 300 meters of row (6 ounces per 1,000 feet of row).

Metric system: To apply at the rate of 170 grams per 300 meters of row, calibrate equipment to place 7.3 kilograms per hectare for 76 centimeter rows. Adjust equipment down, only a small amount at one time, then try.
Note: 250 milliliters of Cell-Tech granular inoculant weighs approximately 190 grams. If planting in other than 76 centimeter rows, use the following table to determine the amount of Cell-Tech granular required per hectare:

Row width (centimeters)	76.0	55.9	38.0	30.0	23.0	17.8
Kilograms/hectare	7.3	10.1	14.6	18.5	24.4	31.4

U.S. customary system: To apply at the rate of 6 ounces per 1,000 feet of row, calibrate equipment to place 6.5 pounds per acre for 30 inch rows. Adjust equipment down, only a small amount at one time, then try.
Note: one heaping cupful of Cell-Tech granular inoculant weighs approximately 6 ounces. If planting in other than 30 inch rows, use the following table to determine the amount of Cell-Tech granular required per acre:

Row width (inches)	30	22	15	12	9	7
Pounds/acre	6.5	9.0	13.0	16.5	21.8	28.0

- 4. Do not fill hoppers until you get to the field.** Remove all unused Cell-Tech granular inoculant from hoppers at completion of day's work. Do not allow to remain in hoppers overnight.

Precautions

- Store in cool, dry place and keep bag tightly closed. Store flat
- Use before expiration date
- Do not mix with fertilizer
- Do not band this material. It must be applied in the furrow

Flowability

- 1. Cell-Tech granular flow may be affected by humid conditions.** Clean rotor and adjustable opening often to ensure good flow. See limited warranty below.
- 2. Do not use Chemical-Saver meter roller on John Deere MaxEmerge® Plus planters.** Remove system while Cell-Tech granular is being used.

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Limited warranty

The seller warrants that this product contains a minimum number of *Mesorhizobium ciceri* CFU 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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810	FREIGHT SHIPPING BAG
	Meeting requirements of
	APPLICABLE FREIGHT
	CLASSIFICATION
	Guaranteed by
	Dairyland Packaging Co.
	Middleton, WI

9-99
SOM 15 X 3.5 X 31
3-150+PE
109073
DPC-S-226
17799



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