

Cell-Tech®

LENTIL

PEA

SOYBEAN

NITROGEN-FIXING INOCULANT

Cell-Tech® inoculant is a single-action product that contains specially selected rhizobia that can provide effective nodulation to enhance nitrogen fixation, even in cooler soils - increasing yield potential as planting conditions change.

If phosphate is limited, Cell-Tech granular can be applied at the same time as JumpStart® inoculant for improved phosphate uptake.

Cell-Tech is available in the following formulations

Crop	Inoculant species	Cell-Tech formulations available
Pea/Lentil	<i>Rhizobium leguminosarum</i>	Liquid, peat, non-sterile peat, and granular
Soybean	<i>Bradyrhizobium japonicum</i>	Peat, liquid, and granular

CELL-TECH APPLICATION

Please read the label before application for complete use instructions.

Peat application

Cell-Tech peat has its own sticker in the formulation so no additional stickers are required. Apply Cell-Tech dry to premoistened seed, or add water while applying Cell-Tech, or mix with cool, clean water and apply to seed as a slurry (refer to table). Make sure that the inoculated seed is evenly coated. Inoculate bare seed with Cell-Tech peat up to 48 hours before seeding, depending on crop.

Cell-Tech peat application rates

Cell-Tech peat		One 2.2 kg (4.8 lb) bag inoculates		
Crop	Units	bu	lb	Water
Pea	—	50	3,000	4.0
Lentil	—	30	1,800	2.5
One 2.32 kg (5.1 lb) bag inoculates				
Soybean	30	25	1,500	—

Non-sterile peat application

Cell-Tech NS peat has its own sticker in the formulation. A separate sticker is not needed. Pour Cell-Tech NS onto seed in the drill box and mix thoroughly until uniformly coated. Layering seed and inoculant while mixing will provide thorough coating of all seeds. Inoculate bare seed with Cell-Tech NS peat up to 48 hours prior to seeding.

Cell-Tech NS peat application

Cell-Tech NS peat	One 2.83 kg (6.2 lb) bag inoculates	
Crop	bu	lb
Pea	25	1,500
Lentil	25	1,500

Granular application

Cell-Tech granular should be applied directly with the seed in the seed row using a granular tank for application.

Application rates vary according to row spacing (refer to table).

- Fill the tank to match or slightly exceed seed requirements. Do not overfill the tank as to avoid compaction.
- Pour into tank through a screen.
- If augering – please do so at low speeds to avoid damage to the granular products.
- Do not mix Cell-Tech granular in the same tank with seed or fertilizer.
- Do not leave Cell-Tech granular in the tank overnight as condensation can cause lumps to form.

Cell-Tech granular application rates

Crop type	Cell-Tech pea/lentil			Cell-Tech soybean		
	Application rate	18.0 kg bag	454 kg bag	Application rate	18.0 kg bag	454 kg bag
Package size	lb/ac	ac/bag	ac/bag	lb/ac	ac/bag	ac/bag
7 in	6.5	6.2	153.8	6.2	6.5	162.6
9 in	5.1	7.8	196.1	4.7	8.4	212.8
10 in	4.6	8.7	217.4	4.3	9.3	233.8
12 in	3.8	10.5	263.2	3.6	11.0	277.8
15 in	3.0	13.3	333.3	2.9	13.8	350.6
30 in	—	—	—	1.4	28.6	701.2

Liquid application

Pea/Lentil

Cell-Tech liquid should be applied directly to pea or lentil seed at a rate of 2.5 fluid ounces per bushel (60 lb) of seed (75 ml/27 kg) or 2.1 fluid ounces per 50 pounds (63 ml/23 kg). The planting window for Cell-Tech liquid on bare pea or lentil seed is 48 hours.

Soybean

Cell-Tech liquid should be applied directly to soybean seed at a rate of 2.5 fluid ounces per bushel (60 lb) of seed (75 ml/27 kg) or 2.1 fluid ounces per 50 pounds (63 ml/23 kg) of seed. The planting window for Cell-Tech liquid on bare soybean seed is four days.

Cell-Tech liquid application

Cell-Tech peat	Bag size	One bag inoculates		
		Crop	Litres	Units
Pea/Lentil	3.0	—	40.0	2,400
	9.8	—	130.0	7,840
Soybean	3.1	50	41.7	2,502
	12.5	200	167.0	10,000

Cell-Tech may be used with many different seed treatments but the planting window may be reduced. Visit useCellTech.ca for the most up-to-date compatibility information.

If you need more information or have questions about Cell-Tech®, contact Acceleron BioAg™ toll-free at

1-800-667-4944 or visit useCellTech.ca.

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