

# Novozymes Cell-Tech® Pulse

## Product overview

Cell-Tech® Technology contains specially selected rhizobia that can provide highly effective nodulation to enhance nitrogen fixation, even in cooler soils, increasing yield potential as planting conditions change.

## Features & benefits

### Benefits of using Cell-Tech® granular technology:

- More nitrogen-fixing bacteria per linear foot than seed applied inoculants
- Convenient application through granular applicator box
- Each bag treats between five and eight acres, depending on row width
- Granular form is advantageous in prolonged hot, dry, or sandy seedbeds

### Benefits of using Cell-Tech® peat:

- Dependable, peat-based powder formulation for hopper box application
- Built-in sticker offers seed adhesion, making it compatible with common planting equipment

## Benefits of using Cell-Tech® liquid inoculant

- Four-day on-seed guarantee when applied with most common chemical seed treatments.  
See Seed Treatment Compatibility for the most current information at [novozymes.com/bioag](http://novozymes.com/bioag)
- Flexible — can be applied on-seed or in-furrow
- Convenient liquid formulation for on-farm application

### Cell-Tech® Pulse NS Peat

Active ingredients	Packaging	Application rate	Case treats
5 x 10 <sup>8</sup> viable cfu/g <i>Rhizobium leguminosarum biovar viciae</i>	4 x 6.2 lb bag	6.6 oz/100 lbs seed	700 kg (1500 lb, 25 bu) peas or lentils

### Cell-Tech® Pulse Granular

Active ingredients	Packaging
100 million (1 x 10 <sup>8</sup> ) viable cfu/g <i>Rhizobium leguminosarum bv. viciae</i>	18kg

### Application rates for Cell-Tech® Pulse Granular

Row spacing	6.0 in	7.0 in	8.0 in	9.0 in	10 in	12 in	15 in
Application rate	7.7 lbs/ac	6.6 lbs/ac	5.8 lbs/ac	5.1 lbs/ac	4.6 lbs/ac	3.8 lbs/ac	3.1 lbs/ac

### Cell-Tech® Pulse Liquid

Active ingredients	Packaging	Application rate	Case treats
2 x 10 <sup>9</sup> viable cfu/ml [2 x 10 <sup>9</sup> viable cfu/g] <i>Rhizobium leguminosarum</i>	4 x 3.0 L	2.5 fl oz/60 lb seed (75 ml/27 kg)	2400 lb seed

To learn more visit us at [novozymes.com/bioag](http://novozymes.com/bioag) or call your local retailer.

#### About Novozymes

Novozymes is the world leader in biological solutions. Together with customers, partners and the global community, we improve industrial performance while preserving the planet's resources and helping build better lives. As the world's largest provider of enzyme and microbial technologies, our bioinnovation enables higher agricultural yields, low-temperature washing, energy-efficient production, renewable fuel and many other benefits that we rely on today and in the future. We call it Rethink Tomorrow.

#### Novozymes North America Inc.

108 TW Alexander Drive  
Bldg 1A, PO Box 110124  
Durham NC 27709  
United States

Tel. +1 919 494 3000