



# Novozymes QuickRoots®

For corn | Soybean | Wheat

QuickRoots® inoculant contains the biologicals *Bacillus amyloliquefaciens* and *Trichoderma virens*, that help increase availability and uptake of nitrogen, phosphate and potassium

By growing directly on your crop's roots, QuickRoots® works to improve nutrient availability and uptake. This can enable optimal plant health, growth and yield potential.

## Benefits of using QuickRoots® Technology:

- Improved availability of nitrogen, phosphate and potassium
- Enhanced nutrient availability, which supports root and shoot growth
- Performance in a variety of soil conditions and types
- Increased yield potential

**QuickRoots® wettable powder – canola and corn multi-crop (canola, corn, sorghum)**

Canola	Package size	Rate (g/bag)	Bags treated
Pouch	180 g	10 g/bag	18 bags *
Corn	Package size	Rate (g/unit)	Units treated
Pouch	180 g	7.2 g/unit	25 units **
Sorghum	Package size	Rate (g/bag)	Bags treated
Pouch	180 g	10 g/bag	18 bags *

\*1 bag = 50 lbs of seed \*\* 1 unit = 80,000 kernels

**QuickRoots® wettable powder – small grains**

Small grains (wheat, barley, oats, rye or spelt seed)	Package size	Rate	Seed treated/package
Pouch	180 g	3 g/45 kg	2,700 kg
Pail	4.5 kg	3 g/45 kg	67,500 kg

**QuickRoots® wettable powder – pulse and soybean multi-crop (chickpea, field pea, lentil, soybean)**

Chickpea	Package size	Application rate	Seeds treated/package
Pouch	200 g	1 g per 35,000 seeds	7 million
Pail	4.8 kg	1 g per 35,000 seeds	168 million
Field pea	Package size	Application rate	Seeds treated/package
Pouch	200 g	1 g per 60,000 seeds	12 million
Pail	4.8 kg	1 g per 60,000 seeds	288 million
Lentil	Package size	Application rate	Seeds treated/package
Pouch	200 g	1 g per 110,000 seeds	22 million
Pail	4.8 kg	1 g per 110,000 seeds	528 million
Soybean	Package size	Application rate	Seeds treated/package
Pouch	200 g	4 g/unit	50 units***
Pail	4.8 kg	4 g/unit	1,200 units***

\*\*\* 1 unit = 140,000 seeds

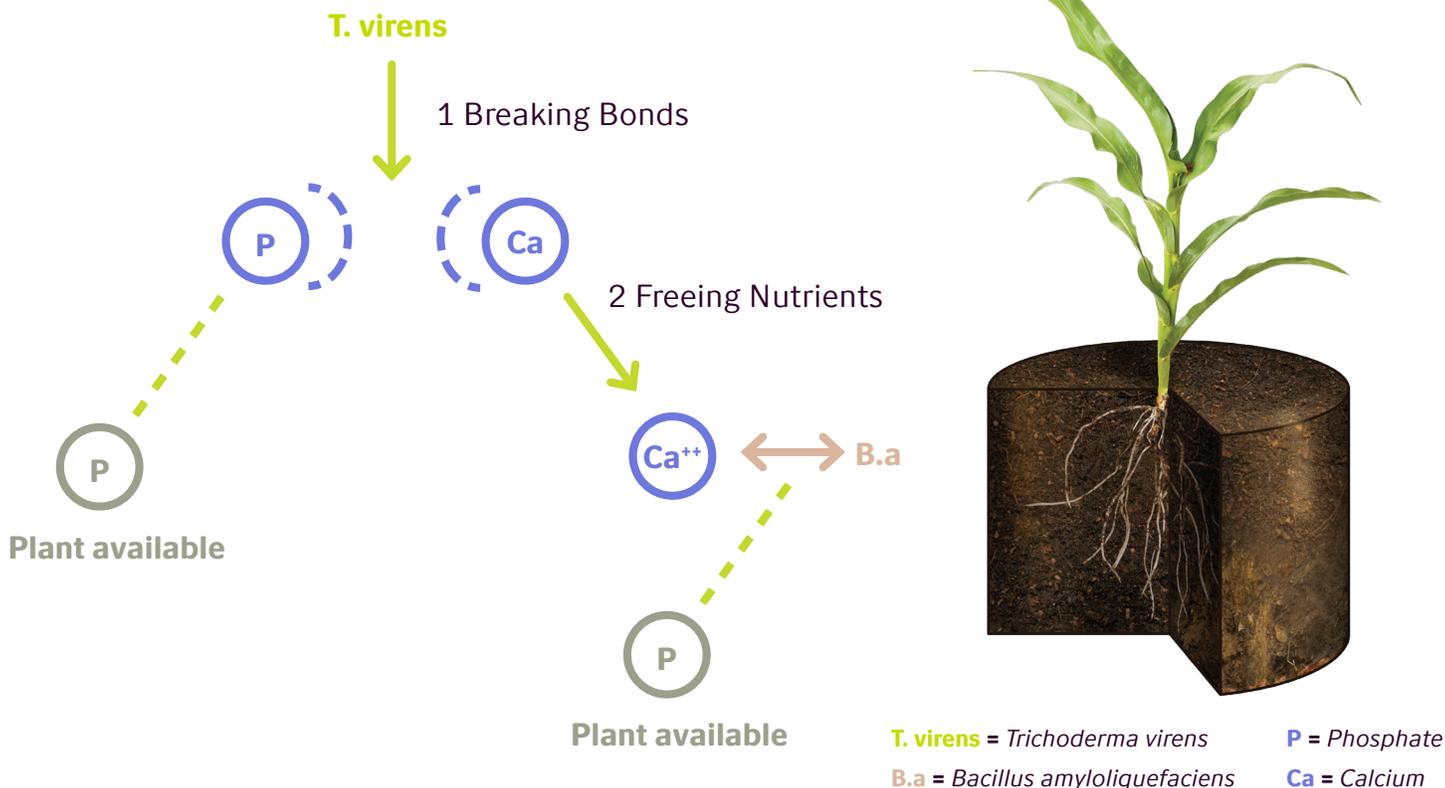
**QuickRoots® dry planter box – canola and corn multi-crop (canola, corn, sorghum)**

Canola	Package size	Rate (g/bag)	Bags treated
Pouch	400 g	16 g/bag	25 bags*
Pail	3.2 kg	16 g/bag	200 bags*
Corn	Package size	Rate (g/unit)	Units treated
Pouch	400 g	16 g/unit	25 units **
Pail	3.2 kg	16 g/unit	200 units **
Sorghum	Package size	Rate (g/bag)	Bags treated
Pouch	400 g	16 g/bag	25 bags*
Pail	3.2 kg	16 g/bag	200 bags*

\*1 bag = 50 lbs of seed \*\* 1 unit = 80,000 kernels

## How it works

1. The biologicals *Bacillus amyloliquefaciens* and *Trichoderma virens* have the ability to release phosphate in the soil not readily available to the plant.
2. Improved phosphate availability can lead to expanded root volume, which enhances nitrogen and potassium uptake.
3. This ultimately can enable optimal plant growth and increased yield potential.



QuickRoots® is not a fungicide and it will not replace your standard fungicide seed treatment.

To learn more visit us at [Novozymes.com/bioag](https://Novozymes.com/bioag) or call your Nexus BioAg sales representative.

### 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.

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