

QuickRoots® Technology

Helps maximize your cotton yields - especially in fields with limitations in moisture or nutrient availability



QuickRoots® technology contains *Bacillus amyloliquefaciens* and *Trichoderma virens*. These microbes produce enzymes that help release nitrogen, phosphate and potassium, providing additional nutrients that can be taken up by the roots and used by your crop.

The availability of additional N, P and K supports development of bigger roots, which help increase uptake of moisture and nutrients to enable better plant growth and increased yield potential. This increased uptake can help your crop fight through adverse growing conditions in periods of moderate drought when crops are stressed due to lack of moisture.

Benefits of Using QuickRoots® Technology:

- Improves nutrient availability, including nitrogen, phosphate and potassium supporting a larger root mass
- A larger root mass helps increase uptake of moisture and nutrients, which enables better plant growth
- Increased uptake of moisture and nutrients can result in more significant yield increases in fields under moisture and nutrient deficiency or environmental stress
- Performance in a variety of soil conditions and types



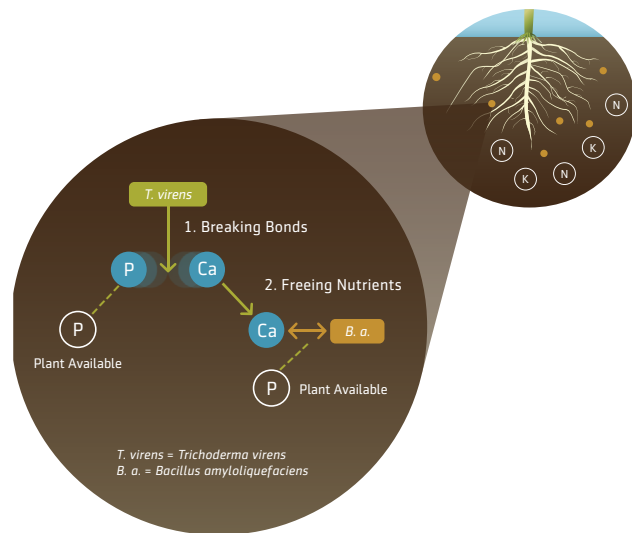
QuickRoots® Technology



HOW IT WORKS

How the Technology Works:

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



PRODUCT DETAILS

Product Details

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

QuickRoots® technology is available in both wettable powder and dry planter box formulations for cotton.

QuickRoots® Dry Planter Box Corn Multi-Crop

Active Ingredients	Packaging	Application Rate	Case Treats	Crop
210 million (2.1 x 10 ⁸) viable cfu/g <i>Bacillus amyloliquefaciens</i>	10 x 400 g	16.0 g per 250,000 seeds (unit)	250 units	Cotton
50 million (5.1 x 10 ⁷) cfu/g <i>Trichoderma virens</i>	3.2 kg pail	16.0 g per 250,000 seeds (unit)	200 units	Cotton

QuickRoots® Wettable Powder Corn Multi-Crop

Active Ingredients	Packaging	Application Rate	Case Treats	Crop
310 million (3.1 x 10 ⁸) viable cfu/g <i>Bacillus amyloliquefaciens</i>	10 x 180 g	6.0 g per 250,000 seeds (unit)	300 units	Cotton
74 million (7.4 x 10 ⁷) cfu/g <i>Trichoderma virens</i>	4.5 kg pail	6.0 g per 220,000 seeds (unit)	750 units	Cotton

Always read and follow label directions

Check compatibility at MonsantoBioAg.com/Compatibility

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Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

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