

Rootella® boosts yields while protecting your investment

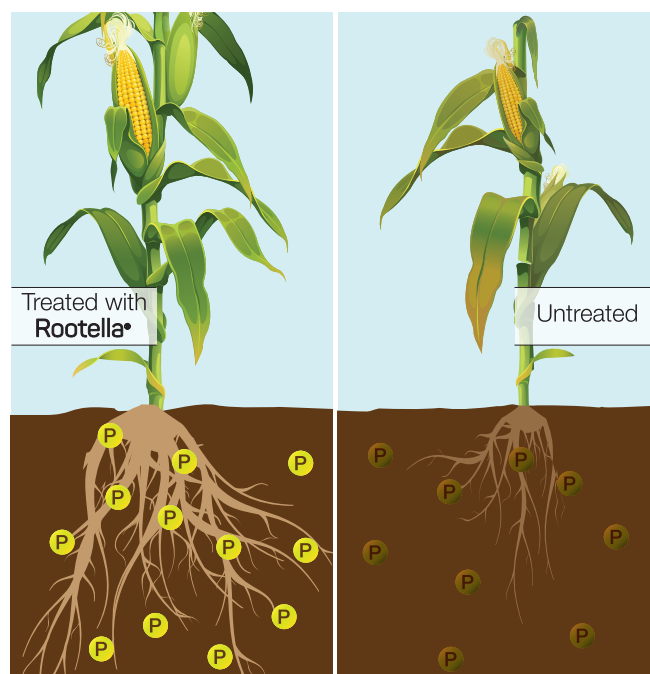
You invest your all trying to provide the very best growing conditions for your crops. You hope for the best, but prepare for the worst. At the end of the season, your yield is dependent on many parameters that are not under your control. Ultimately, it all comes down to nature. Fortunately, Rootella® is a natural way to boost your yield and protect your investment against the elements at the same time.

Rootella® is based on natural mycorrhizal fungi, which improve soil nutrient uptake in plants. In this plant-fungal symbiosis, the microscopic fungi latch onto plant roots and effectively extend them in an underground web, 10-100X in surface area. They physically access nutrients that are out of the root's reach, and chemically break down unavailable, bound nutrients, especially phosphorus. When applied to agriculture, Rootella® mycorrhizal inoculants may also reduce fertilizer application rates, most notably phosphorus. Rootella® products are pure mycorrhizal inoculants, 100% natural and highly effective.

Rootella® provides a wide scope of benefits to farmers:

- Yield increase
- Fertilizer savings, notably phosphorus
- Resilience to stress, such as flooding and drought
- Eco-friendly, suitable for use in organic farming

Rootella® mycorrhizal inoculants have demonstrated impressive field trial results in several major crops, such as corn, soybean, tomato and onion. Rootella® products are highly-concentrated - enough to be effective for row crops in seed treatment applications. Rootella® is based on 30 years of R&D at Israel's Volcani Center, Agricultural Research Organization, contains uniquely vigorous strains and is 100% natural and eco-friendly. Rootella® products are suitable for use in organic farming according to EC 834/2007 and NOP Regulations.



**“In our large farm test plot,
Rootella® increased our lentil yields
by 33%. Rootella® will go on more
acres on our farm this year.”**

Charlie Cahill, Cahill Seeds, Montana, USA



Rootella® Product Formulations:

Product	Formulation	Relevant Crops	Application Method	Application Rate	Concentration (propagules/oz)
Rootella® G	Granular, flakes	Vegetables, fruits	Mixing in nursery growing media	<ul style="list-style-type: none"> • 7-14 oz/1000 plugs • 10-18 oz/1000 seedlings • 5-25 oz/ft.³ of growing medium 	70,870 ¹
Rootella® P	Powder	Tubers, bulbs	Dusting, in-furrow	1-2 lb/ac	70,870 ¹
Rootella® F	Fine Powder	Row crops, tubers, bulbs	Dry in planter box, wet in-furrow or as a spray	<ul style="list-style-type: none"> • 1.7 oz/ac in planter box • 5.7 oz/ac in-furrow 	589,670 ¹
Rootella® X	Wettable Powder	Row crops, vegetables, fruits	Professional seed treatment equipment or drip irrigation	<ul style="list-style-type: none"> • 0.21 oz/ac (6 g/ac) seed treatment • 0.71 oz/ac (20 g/ac) in drip 	4,734,000 ²
Rootella® T	Grow packs	Trees, bushes, vines	Place under plant upon transplantation	1-2 bags per planting hole	51,000 ³

¹ Viable propagules of *Glomus intraradices* based on Most Probable Number (MPN) efficacy test. ² Viable propagules of *Glomus intraradices* and *Glomus mosseae* based on MPN efficacy test. ³ Viable propagules of *Glomus intraradices*, *Glomus mosseae*, and *Glomus clarus* based on MPN efficacy test.

Groundwork BioAg Ltd. produces cost-effective mycorrhizal inoculants for commercial agriculture. Natural mycorrhizal fungi improve soil nutrient uptake in 90% of all plant species. When applied to agriculture, mycorrhizal inoculants significantly increase crop yields, especially under stress conditions. Growers can also reduce fertilizer application rates, most notably phosphorus. Groundwork Bio Ag's uniquely vigorous and highly concentrated Rootella® products have demonstrated impressive field trial results in several major crops, such as corn, soybean, tomato and onion.



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