

QuickRoots™

wettable powder

for soybean



soybean

Extended Label

Microbial seed inoculant for improving nutrient availability for increased yield potential

Application Rate

4 g per 140,000 seeds (unit). Spoutpak treats 50 units (7 million seeds).

MINIMUM GUARANTEED ANALYSIS

ACTIVE: *Bacillus amyloliquefaciens* TJ1000 3.0 x 10⁸ cfu/g
Trichoderma virens GI-3..... 3.0 x 10⁷ cfu/g

INERT: wettable powder, 82.2%

QuickRoots™ is composed of live microorganisms which can quickly colonize and grow with the root as a plant develops.

Warning

May form combustible dust concentrations in air [with packages greater than 25 kg].

How it Works

The microorganisms in QuickRoots have been shown to increase availability of certain important plant nutrients and can increase plant uptake. Increased plant nutrient availability may lead to an increase in yield response. QuickRoots is not a fungicide and it will not replace your standard fungicide seed treatment.

Application Instructions

Apply this product only as specified on this label.

If applying QuickRoots alone, dilute (mix) with adequate amount of non-chlorinated water. Mix well and apply uniformly to the seed. Use a maximum of 94.75 L (25 gallon) per bucket.

Apply proper (agitation directed across the pre-mix tank creating a bubbling action on the far wall) and continuous agitation to avoid settling. Mix well and apply uniformly to seed.

Slurry must be applied to seed within 2 hours.

When applying QuickRoots Wettable Powder with other seed treatment products:

Monsanto Company strongly recommends a SIMULTANEOUS APPLICATION USING SEPARATE TANKS/NOZZLES (also called wet sequential application) – where the other seed treatment components and QuickRoots products are mixed in separate premix tanks and sprayed wet onto the seed at the same time (simultaneous application).

NON-PLANT FOOD INGREDIENT

Seed Treatment Compatibility

Although QuickRoots is compatible with many fungicide (FST) and/or insecticide (IST) seed treatment products, on-seed and in-tank survival of QuickRoots may be significantly reduced by using a common tank mix application method and must be applied within 2 hours.

Do not apply with seed treatment formulations containing high levels of Zinc or Copper. QuickRoots has not been tested with all possible seed treatment combinations.

QuickRoots remains viable up to 18 months after proper application on seed.

Storage and Handling

QuickRoots contains live spores of the naturally occurring fungus *Trichoderma virens* and the naturally occurring bacteria *Bacillus amyloliquefaciens*. Spores are live and may be damaged when exposed to high temperatures or contact with water for more than 4 hours. The live organisms contained in QuickRoots require specific storage conditions to ensure viability and product performance. To maintain product viability:

- Store unopened containers of QuickRoots in a dry cool place, less than 20°C (70°F), away from sunlight and heat sources.
- Minimize temperature fluctuations.
- Avoid freeze/thaw cycles.
- Use before the expiration date. The expiration date is valid for unopened containers stored according to the conditions listed above.



QuickRoots™

wettable powder

for soybean



Precautions

Keep out of reach of children. This product may cause adverse effects to individuals who are repeatedly exposed to it.

The active ingredients in QuickRoots are *Bacillus amyloliquefaciens* viable cells and *Trichoderma virens* spores. If use of this product by individuals allergic to molds and/or fungi is unavoidable, absorption by eye or skin contact, inhalation, or ingestion must be prevented to minimize the chance of an allergic reaction. Wear standard protective clothing and equipment including gloves, safety glasses and a NIOSH-approved respirator. In case of contact with skin or eyes, immediately flush exposed areas with plenty of water. Get medical attention if irritation occurs.

Unused QuickRoots and unplanted QuickRoots inoculated seed should be disposed of in accordance with applicable civil statutes.

Important: Read Before Use

Read all directions for application instructions and limited warranty before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following:

Limited Warranty

The Seller warrants that this product contains a minimum number of *Bacillus amyloliquefaciens* and *Trichoderma virens* colony forming units as specified on this label. The Seller makes no other warranty expressed or implied as to product viability or performance since product storage, use and growing conditions are beyond the Seller's control. Seller's guarantee is limited to the terms set out on the label and subject thereto. Buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition. If this product does not perform as warranted above, and to the extent consistent with applicable law, customer's sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of Monsanto Company.

EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESSED REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OR GUARANTEE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, INCLUDING ANY OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.

Patents that cover QuickRoots can be found at www.monsantotechnology.com

Monsanto BioAg and Design™ and QuickRoots™ are trademarks of Monsanto Technology LLC. Used under license. ©2015 Monsanto Company. Registration number 2015096A Fertilizers Act. Not a fertilizer substitute. Product of the U.S.A. Printed in the U.S.A. Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.htm> 114018N1-89



Manufactured For:
Monsanto Company
800 N. Lindbergh Blvd.
St. Louis, Missouri 63167

For Medical, Transportation,
Spill or Other Emergencies
Call Collect 24 Hours a Day
1-314-694-4000

For Product Use Information
Call: 1-877-775-8787