

QuickRoots® WP

Soybean Multi-Crop Inoculant

**Wettable Powder formulation
for use on soybean, pulse,
sunflower, sugar beet**

ATTENTION:

This specimen label is provided for general information only.

- This biological product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state/provincial and local laws and regulations regarding the use of biologicals.
- Before using any biological, be sure the intended use is approved in your state/province or locality.
- Your state/province or locality may require additional precautions and instructions for use of this product that are not included here.
- Monsanto does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on the product label.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the biological you are using.

Microbial seed inoculant for improving nutrient availability for increased yield potential.

MINIMUM GUARANTEED ANALYSIS

ACTIVE: 3.0×10^8 viable cfu/g *Bacillus amyloliquefaciens*
 3.0×10^7 cfu/g *Trichoderma virens*

INERT: wettable powder, 79%

NONPLANT FOOD INGREDIENT

Not a fertilizer substitute

Warning

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

Read the entire label before using this product. Use only according to label directions.

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.

Directions for Use

Open package only when ready to use. Use before expiration date.

Apply this product only as specified on this label. Reference the specified application rate to determine the proper amount needed for each type of seed.

Application Rate

Crop	Application Rate	Scoop Treats	4.8 kg pail Treats
Soybean	4 g per 140,000 seeds (unit)	5 units	1200 units
Sugar Beet	8 g per 100,000 seeds (unit)	2.66 units	600 units
Sunflower	30 g per 200,000 seeds (unit)	.64 units	160 units
Dry Bean	1 g per 26,000 seeds	520,000 seeds	124 million seeds
Chickpea	1 g per 35,000 seeds	700,000 seeds	168 million seeds
Field Pea	1 g per 60,000 seeds	1.2 million seeds	288 million seeds
Lentil	1 g per 110,000 seeds	2.2 million seeds	528 million seeds

If applying QuickRoots alone: Dilute (mix) with adequate amount of non-chlorinated water. Mix well and apply uniformly to the seed.

When applying QuickRoots with liquid Rhizobia: Mix proper proportions of QuickRoots and Rhizobia. 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.



Manufactured For
and Guaranteed By:
Monsanto Company
800 N. Lindbergh Blvd.
St. Louis, Missouri 63167 USA

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

In Canada, contact
MONSANTO CANADA INC.
900 - One Research Road
Winnipeg, MB R3T 6E3
1-800-667-4944

For Medical, Transportation,
Spill or Other Emergencies,
Call Collect 24 Hours a Day
1-800-332-3111

For Product Use Information
call 1-877-775-8787 ext 3

QuickRoots® WP

Soybean Multi-Crop Inoculant



When applying QuickRoots with other seed treatment products:

Monsanto 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).

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.

For a list of compatible seed treatments, contact Monsanto Company at 1-877-775-8787.

Applicators and Other Handlers

Eye or skin contact, inhalation, or ingestion should be avoided. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, and eye protection. Avoid breathing dust. Ensure adequate ventilation. Use only outdoors or in a well-ventilated area. Where exposure through inhalation may occur, use respiratory protective equipment. Wash thoroughly after handling. If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

The active ingredients in QuickRoots are *Bacillus amyloliquefaciens* and *Trichoderma virens* spores. This product contains microorganisms that may have the potential to provoke sensitizing reactions; use appropriate personal protective equipment (PPE) to reduce exposure. Sensitized individuals should wear an approved respirator. In case of contact with skin or eyes, immediately flush exposed areas with plenty of water. Get medical attention if irritation occurs.

Storage and Disposal

QuickRoots contains live spores of the naturally occurring fungus *Trichoderma virens* and the naturally occurring bacteria *Bacillus amyloliquefaciens*, which 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 in a well-ventilated place. Keep container tightly closed. Store unopened containers of QuickRoots in a dry cool place (less than 68°F or 20°C) away from sunlight and heat sources. Store locked up.
- 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.
- Keep out of reach of children.

Unused QuickRoots and seed to which QuickRoots has been applied should be disposed of in accordance with applicable Federal, state/provincial, and local requirements.

Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.html>

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

Acceleron® and QuickRoots® are registered trademarks of Monsanto Technology LLC. Used under license. ©2014-2018 Monsanto Company. All rights reserved. Registration number 2015096A Fertilizers Act. **Product of USA.** 11401855-89

