



## Microbial seed inoculant for improving nutrient availability

[www.visjonbiologics.com](http://www.visjonbiologics.com)

**Contains Non-Plant Food Ingredients**      **Not a fertilizer substitute.**

### GUARANTEED ANALYSIS:

#### Active ingredients:

*Bacillus amyloliquefaciens* 2.0 x 10<sup>8</sup> cfu/g  
*Trichoderma viride* 3.0 x 10<sup>7</sup> cfu/g

#### Other ingredients:

Inert - Wettable Powder (80%)

**CAUTION - KEEP OUT OF REACH OF CHILDREN**  
 For Commercial or Professional Use Only

**Not for human or animal consumption.**

EXCEED DEEP ROOTS® is a living biological product. The actives multiply quickly with the roots as the plant matures.

### How it Works

EXCEED DEEP ROOTS® is established at a high density within and around root tissues in a symbiotic relationship with the plant roots. Increased nutrient uptake occurs with this relationship which leads to increased plant growth and yields. EXCEED DEEP ROOTS® has been shown to promote root elongations and free phosphate. EXCEED DEEP ROOTS® can solubilize phosphate by reducing soil pH. EXCEED DEEP ROOTS® protects roots from certain physical stresses, allowing the roots to grow faster and deeper. EXCEED DEEP ROOTS® is not a fungicide and it will not replace your standard fungicide seed treatment.

### Application Instruction:

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

### Application rate:

Crop	Application Rate
Alfalfa	0.529 oz (15 g) per 50 lbs seed
Clover	0.282 oz (8 g) per 50 lbs seed

**FOR USE ONLY IN COMMERCIAL SEED TREATMENT EQUIPMENT, NOT FOR USE IN HOPPER BOX, OR PLANTER BOX.**

### Stand Alone Application

To apply EXCEED DEEP ROOTS®, dilute (mix) with sufficient amount non-chlorinated water to achieve uniform application to seed. Mix well and apply uniformly to the seed.

### Application with Liquid Rhizobia

Mix the proper proportions of EXCEED DEEP ROOTS® 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.

### Application with Other Seed Treatments

Use SIMULTANEOUS APPLICATION METHOD, USING SEPARATE TANKS/NOZZLES (also called wet sequential) - where the seed treatment components and EXCEED DEEP ROOTS® are mixed in separate pre-mix tanks and applied wet onto the seed at the same time (simultaneous application).

### Seed Treatment Compatibility

Although EXCEED DEEP ROOTS® is compatible with many fungicide (FST) and/or insecticide (IST) seed treatment

products, on-seed and in-tank survival of EXCEED DEEP ROOTS® 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. EXCEED DEEP ROOTS® has not been tested with all possible seed treatment combinations. EXCEED DEEP ROOTS® remains viable up to 18 months after proper application on seed.

### Expiration Date:

EXCEED DEEP ROOTS® carries an 18-month shelf life and expires the date marked on the case.

### Storage and Handling

EXCEED DEEP ROOTS® contains live spores of the naturally occurring fungus *Trichoderma viride* bacteria and *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 EXCEED DEEP ROOTS® 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 EXCEED DEEP ROOTS® in a dry cool place (less than 68°F or 20°C) away from sunlight and heat sources. Keep 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.

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#### CAUTION - KEEP OUT OF REACH OF CHILDREN

Unused EXCEED DEEP ROOTS® and unplanted EXCEED DEEP ROOTS® inoculated seed should be disposed in accordance with applicable federal, state and local civil statutes.

#### Precautions

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 EXCEED DEEP ROOTS® are *Trichoderma viride* and *Bacillus amyloliquefaciens* 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.

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

#### IMPORTANT: READ BEFORE USE

Read all directions for application, conditions 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:

#### Conditions:

The directions for use of this product must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of the seller TO THE EXTENT CONSISTENT WITH APPLICABLE LAW; all such risks shall be assumed by the user or buyer.

#### Limited Warranty

The seller warrants that the product contains a minimum number of *Trichoderma viride* and *Bacillus amyloliquefaciens* 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 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 the seller.

**VISJON BIOLOGICS ASSUMES NO RESPONSIBILITY FOR LOSS OR PARTIAL LOSS OF CROP FROM ANY CAUSE WHATSOEVER. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THE LIMITED WARRANTY IS VOID WHERE PROHIBITED BY LAW. IF YOU HAVE ANY QUESTIONS ABOUT THIS PRODUCT OR ANY OTHER VISJON BIOLOGICS PRODUCT, CALL 940-264-0343 FOR ASSISTANCE.**

#### NON-PLANT FOOD INGREDIENT

Manufactured for: Visjon Biologics



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