



## Arizona, U.S. - Independent Lab Test Result

Multi-Tricho is an OMRI Listed multi-strain Trichoderma inoculant containing *Trichoderma harzianum*, *Trichoderma longibrachiatum*, and *Trichoderma asperellum*. These beneficial soil health fungi colonize the rhizosphere and root surfaces, producing enzymes and metabolites that recycle nutrients, accelerate organic matter breakdown, and support a balanced soil microbiome. By strengthening soil, root, and plant health under diverse field conditions, this high-CFU root-zone probiotic helps crops establish more vigorously, tolerate stress, and perform more consistently.

- Builds Soil Health:** Enhances microbial diversity, accelerates residue breakdown, and supports long-term soil fertility.
- Supports Root Health:** Colonizes root surfaces, stimulates elongation and branching, and strengthens root-zone stability for better nutrient absorption.
- Promotes Plant Vigor & Stress Resilience:** Improves nutrient uptake efficiency and enhances tolerance to drought, salinity, and poor soils for consistent performance across diverse conditions.
- Balances the Rhizosphere:** Competes for space and resources, fostering a stable, beneficial microbial community.
- OMRI Listed for Organic Use:** Certified for use in organic systems; safe, naturally occurring *Trichoderma* strains that integrate easily with organic and regenerative programs.

Product Trial Lot A in Standing Solution	
3 weeks post transplanting	
Control	Product Trial
Hydroponic Nutrient Solution + Distilled water	Bio-Green MT + Distilled water + Hydroponic Nutrient Solution



### Survival Ratio Post Transplantation

Product trial group survived at a higher ratio and outgrew control group.

- Product trial group survival ratio: 24 / 24 (**100%**)
- Control group survival ratio: 17 / 24 (**70.8%**)



### Root Mass Comparison

Product trial group had significantly higher root mass and length.

- Product trial group: **126.4 grams (wet)**, 26 cm
- Control group: 91.1 grams (wet), 14 cm



Product Trial Lot B in Drip System	
2 months post transplanting	
Control	Product Trial
Hydroponic Nutrient Solution + Distilled water	Bio-Green MT + Distilled water + Hydroponic Nutrient Solution



#### Growth Performance

Product trial group outgrew control group by **35cm on average**.  
Leaf amount and size are significantly larger than control group.



#### Fruiting and Harvesting Yields

Product trial group plants produced more peppers on average than control group.  
Product trial group plants were larger and matured more rapidly than control group.

- Product trial group: **42.6 pods per plant**
- Control group: 36.2 pods per plant



Product Trial Lot C in Soil		
1 month		
Control	Competitor	Product Trial
Distilled water + Hydroponic Nutrient Solution	Root Shield + Distilled water + Hydroponic Nutrient Solution	Bio-Green MT + Distilled water + Hydroponic Nutrient Solution



#### Performance vs. Competitor Product

Product trial group outgrew competitor group and control group **by 7 cm and 20 cm respectively.**  
Product trial group has largest leaf area and mass.