

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.