

Bio-Green Multi-Tricho Case Study – Green Pepper

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.

TEST PRODUCT:	Bio-Green Multi-Tricho
TEST OBJECT:	Green Pepper
DOSAGE:	Each pot is 0.13m ² (60cm x 21.5cm).
APPLICATION:	Apply Multi-Tricho evenly on the surface of the soil, then water 200ml. Reapply every month.
TEST PERIOD:	Apr.10 – Jul.24, 2020

TEST PROCESS: Seeds Sown on April 10, 2020



Pictures taken on May 26 (46 days after seeding). Trial groups show more robust growth than control and leaves are thicker.



White pots are trial, red are the control.



Product Trial



Control

Product trial group had significantly higher root mass.

2 months after sowing:



Pictures taken when harvest:



Product Trial



Control

Yields:

- Control groups produce 63g of pepper.
- Multi-Tricho trial groups produced 156g of pepper – a **147% increase**.

TEST CONCLUSION: The soil was fairly poor quality and during the test, no fertilizer was applied. After being treated with Multi-Tricho, the pepper plants still showed significant differences in term of growth, health and overall yield.