

Quantum Growth® Green Pepper Trial



- 24% increase in yield
- 25% decrease in fertilizer
- 30-fold return on investment

Location: Rutgers New Jersey Agricultural Experiment Station



Date: October 24, 2012

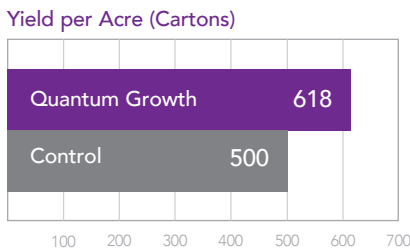
Objective: Conduct a trial to determine the benefit of incorporating 1 gallon of Quantum Growth into their Green Pepper protocol (64 oz at transplant, 32 oz at pre-bloom and 32 oz at fruit set).

Results Achieved: The trial used 25% less fertilizer than normally included in the protocol, resulting in a 24% increase in yield and a 30-fold return on investment.

Inputs

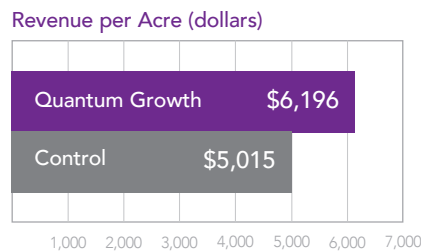
Standard Fertilizer Expense per Acre : **\$235**
 Application Rate: **1 gallon/acre**
 Microbial Product: **Quantum Growth**

Trial Yield Data	Control	Treated
Yield (kg per acre)	6,349	7,844
Cartons	500	618



Revenue per Acre

Yield Revenue Increase per Acre	\$ 1,180.99
Microbial Expense per Acre	\$ 40.00
Fertilization Savings per Acre	\$ (54.05)
Net Change in Fertilization Expense per Acre	\$ (14.05)
Net Gain/ (Loss) per Acre	\$ 1,195.04
ROI Multiplier for Microbial Expense	29.88



Results

Yield Increase per Acre in Kilograms **1,495.00**
 Percent Yield Increase per Acre **23.55%**

Explanations

- Cartons contain 1 1/9 bushels, weighting 28 pounds
- Average price of all sizes of green peppers in October 2012 at the Philadelphia shipping terminal was \$10.03/carton

For more information on Quantum Growth products call 866.871.0154

Quantum Growth™

