

2012 Green Pepper Study by Rutgers University

October 24, 2012

SOIL ALLIANCE™ | Applied Field Research 2012

CONFIDENTIAL



Crop ROI Calculation Tool

Inputs

	Kilogram	Cartons	Dollars
Control Yield per Acre	6,349	500	\$ 5,015
Test Yield per Acre	7,844	618	\$ 6,196
Pounds per Unit	2.21	28	
Average Price per Unit	\$ 0.79	\$ 10.03	
Microbial Product	Quantum		
Application Rate (Gallons per Acre)	1.00		
Standard Fertilizer Expense per Acre	\$ 235.00		
Percent Reduction in Fertilization Program	23%		

Results

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

Explanations

Cartons contain 1 1/9 Bushels, weighting 28 pounds.

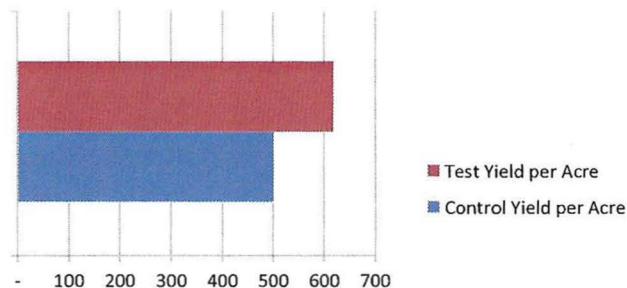
Price of \$10.03 per carton is the average price for all sizes of green peppers in the month of October 2012 at the Philadelphia shipping terminal.

Percent Yield Increase per Acre **23.55%**

ROI Multiplier for Microbial Expense **29.88**

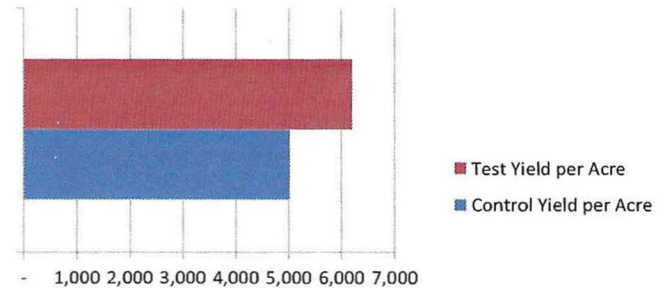
The use of Quantum Growth resulted in:
 -23% reduction in fertilizer.
 -24% increase in yield.
 -30-fold Return On Investment (ROI)!!!

Bell Pepper Trial--Quantum



Test Yield per Acre	618
Control Yield per Acre	500

Bell Pepper Trial--Quantum



Test Yield per Acre	\$6,196
Control Yield per Acre	\$5,015

