

39% Increase in Tomato Yield with Quantum Growth®

The Nolt Farm in Pennsylvania tested the benefits of Quantum Growth on their tomatoes after experiencing excellent results from the utilization of Quantum-Light® and Quantum-VSC® on a number of their other crops.

After two applications of 32 oz. of Quantum-Light and 32 oz. of Quantum-VSC (at outplanting and first flowering), there were notable increases in stalk girth and root mass with the tomatoes treated with Quantum Growth compared to the tomatoes grown with the farm's best practices (control).

The tomatoes treated with Quantum Growth saw a 39% increase in yield.



Figure 1. Control (left) and treated (right) 7 days after outplanting from the greenhouse. Visual difference in root mass and stalk girth. Note how the control root mass still maintains much of the shape of the tray it was outplanted from.

Figure 2. The grower, upon seeing the difference between the treated and the control at 7 days, went and treated the control (left) as well. Note that at maturity, original treated (right) plant is still visibly larger. This shows the importance of incorporating Quantum Growth at out-planting versus not introducing it until a week later.

Figure 3. Control (left) and treated (right) during fruit set. Along with larger root mass and stalk girth, the treated plants were setting more tomatoes.

Figure 4. The grower holding a control plant (left, his right hand) and a treated plant (right, his left hand). Note the root mass, amount of tomatoes and the higher degree of tomato uniformity and ripeness.

For more information visit
GrowQuantum.com
or call 866.871.0154.

The Quantum Growth® Series

Developed by
Ecological Laboratories INC.

Quantum Growth trial increases tomato yield up to 18%

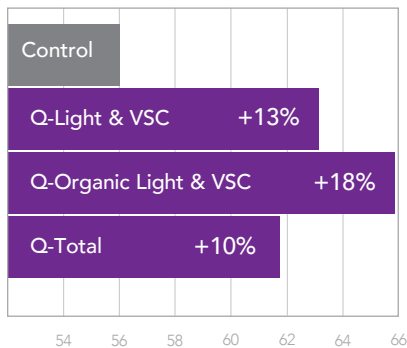
A tomato trial to determine the benefits of Quantum Growth was conducted by Glades Crop Care (GCC) at their Jupiter field trial location during the Spring of 2018. The trial used BHN 602 tomato plants and consisted of control and treated plots randomly planted throughout the trial block. The control plots used a standard fertility and chemical control program with a soil preparation drench (detailed below). The treated plots used the same fertility and chemical program (no soil preparation drench) with several combinations of Quantum Growth formulations. Each plot had 4 replicates.

Plot Number	Nutrition & Chemicals	Quantum Products	At Planting			Fruit Set	Fruit Set + 14 days
			Root Dip	Drench	Pre-Bloom		
Control	Std program w/ soil prep	None					
QG1	Std program w/o soil prep	Quantum-Light & VSC	1% per product	32 oz of each product	32 oz of each product	32 oz of each product	32 oz of each product
QG2	Std program w/o soil prep	Quantum-Organic Light & VSC	1% per product	32 oz of each product	32 oz of each product	32 oz of each product	32 oz of each product
QG3	Std program w/o soil prep	Quantum-Total	2%	64 oz	64 oz	64 oz	64 oz

The standard program for the control plot was broadcast granular 6-8-8 at 1,000 lb/A with 2% Mg, 0.37% Mn, 0.08% Fe, 0.25% Zn and 0.05% B rototilled into the soil. A soil prep treatment of [Vydate (1 qt/A) and Previcur Flex (1.2 pt/A)] was administered to the control 1 day after planting. Liquid 8-0-8 was applied as needed.

The chart below shows the % increase of the yield total weight of the plants that were treated with Quantum Growth.

Yield Total Weight (g)



The photo above was taken on 7/17/18 during a greenhouse tomato trial in Rancho Arriba, Dominican Republic. The plants treated with Quantum Growth (right) are visibly larger with numerous flowers compared to the control plants (left).

For more information visit
GrowQuantum.com
 or call 866.871.0154.

The **Quantum Growth**® Series



Developed by