

Quantum Growth® Increased Squash Harvest by 30%

Location: H&R Farms, Glenville, GA

Background: In such a competitive market farmers are always looking for means of assuring and improving their harvest. Squash is produced on over 46,000 acres in the US producing crops worth almost \$250 million (2010).

Objective: H&R Farms heard of the benefits claimed by users of Quantum Growth products and decided to run a trial. Quantum Growth is a series of beneficial soil and plant microbial inoculants. They are the result of nearly a decade of research and development.

Results Achieved: The technical support team at Ecological Labs developed a protocol for inoculating a trial section of the farm with Quantum Growth. The evidence of faster, healthier growth was evident just 16 days after planting. At harvest, the treated crops showed a **30% increase in yield** versus control, from **8,800 to 11,424 average pounds per acre**. The treated plants appeared significantly healthier throughout the trial. The microorganisms in Quantum Growth work naturally to provide food and energy for plants allowing them to focus on root growth and fruit production. This results in a healthier, heartier plant with increased yields and decreased dependency on supplemental irrigation, fertilizer, and pesticides.

Fig. 1: Early growth shows obvious benefit of inoculation with Quantum Growth.



Fig. 1

Fig. 2: The increased plant growth results from increased root mass in plants treated with Quantum Growth. This picture shows the difference between treated and control.



Fig. 2

For more information visit
GrowQuantum.com
or call 866.871.0154.

The Quantum Growth® Series

Developed by
Ecological Laboratories INC.



Results from squash trial in Central Florida. Control on the left. Quantum Growth treatment on the right.

Pickling Cucumber Trial

A trial was conducted in central Florida to study the effects of Quantum Growth on pickling cucumbers. The trial consisted of three applications of 64 oz of Quantum Growth with fertilizer. The first application was at planting, followed by two more weekly applications. The results shown below show a significant increase in yield from the treated plants, compared to the control plants that received no Quantum Growth.

Cucumber Yield Comparison

	Control Yield (boxes)	QG Yield (boxes)	% Increase
Spring 2015	258	375	45%
Fall 2017	317	419	32%

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