

Quantum Growth® Increases Peanut Yield By 45%

Location: Sunbelt Expo Research Farm, Moultrie, GA

Objective: Demonstrate the beneficial effects of Quantum-Peanod and Quantum-Peanod IF on peanut plants.

Results Achieved: Use of Quantum Growth had a significant impact on the peanut plants. **The plants showed an increase in yield of 45%, resulting in an increase in profit of 69%.**

The Experiment

The trial had 2 different 20 ft² test plots. The control plot used only the grower's best practices. The treated plot used Quantum-Peanod IF (in furrow) at planting. Every two weeks after planting, the treated plot received foliar applications of Quantum-Peanod.

Data

Sample Weight Comparison of a 4'x5' Sample

	Control	Treated
Total Sample Weight (lbs)	17.500	19.250
Plant Sample Green Weight (grams)	202.004	308.053
Plant Sample Dry Weight (grams)	40.550	66.943
Nut Green Weight (grams)	1724.502	2136.303
Nut Dry Weight (grams)	721.620	1050.001
Forage Green Weight (grams)	140.808	110.544
Forage Dry Weight (grams)	30.151	23.701

Extrapolated per acre yields

1 gram = 0.00220462262 lbs.
 1 acre = 43,560 ft²
 1 acre = 2,178 (20 ft²) test plots

Control plot per acre yield

721.620 grams per 20 ft² test plots
 1,571,688.36 grams per acre
3,465 pounds per acre

Treated plot per acre yield

1050.001 grams per 20 ft² test plot
 2,286,902.178 grams per acre
5,042 pounds per acre

Additional Revenue per Acre

Additional yield (0.7885 tons x \$500/ton*)	\$ 394.25
Quantum Expense per Acre	- \$ 49.00
Additional Profit (Net product cost)	\$ 345.25

*Average peanut prices at time of study

45.5% increase in yield.
Assuming no other costs were incurred, the net benefit is an additional 69% in profit.

For more information on Quantum Growth products call 866.871.0154

Quantum Growth™



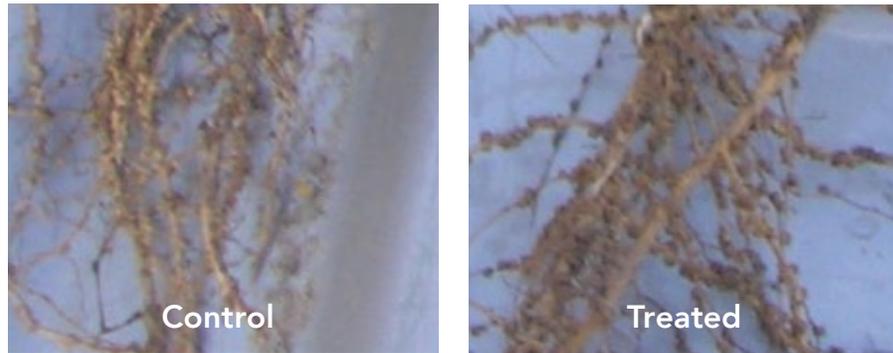
Root Comparison

The size of the peanuts in the treated sample is greater in size than the control sample. Also note not only the greater root mass but also denser nodulation on the treated sample.



Root Nodulation

This shows the visible difference in nodule density between the control and treated samples.



Plant Comparison

The treated peanut plant is visibly larger in size compared to the control plant.



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