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Auburn University, PGPR Lab and Field Trials

Case Study & Testimonial

Conducted by Dr. Joseph W. Kloepper

Professor Agricultural Studies

Crops	Results
Cabbage	Plugs were dipped in a 4% solution of Quantum Growth after seeds were planted. The treated plugs had a significantly higher root to shoot ratio than grower's best practice control. Treated plugs were sturdier and the root mass was 46% heavier than standard plugs.
Cucumber	Using 1 application of a 4% solution of Quantum Growth as a drench at planting increased the total weight by 16% vs grower's best practice control.
Green Peppers	Using 1 application of a solution of Quantum Growth as a drench at planting increased the total plant weight by 17% vs grower's best practice control
Tomato	Research showed that 2 applications of 4% solution of Quantum products as a drench reduced 66% of damage (gall rating) on tomato and decreased root-knot nematode larvae an average of 70%. Trial on a South Carolina farm comparing 2% solution of Quantum Growth applied as a foliar spray 3 times, a competitive microbial product and grower's best practice. Quantum Growth treated fields saw a 49% increase in plant stem diameter over control (GBP). There was also a 36% increase in yield (graded boxes per acre) over control and 50% increase over the competitive microbial product.