

TRIAL RESULTS

EXECUTIVE SUMMARY



CELERY - CALIFORNIA

Research on the effect of products containing SumaGrow® on Celery at Holden Research and Consulting in Camarillo, California

This trial compared a product containing SumaGrow® in two different treatments. When adding the product to the grower standard, the celery weight, trimmed and ready for packing, increased 6.2%. Even though no extra fertilizer was added, there were higher amounts of NPK in the soil (see chart below). Penetrometer testing depths at 300 psi (columns 5 and 10) increased, especially significant was the second reading after the product improved the soil going from 8.6 inches to 16.1 inches, an increase of 87.2%. indicator of the effect that the product had on celery production in this trial.

RESULTS			
Treatment:	Nitrogen	Phosphorus	Potassium
SumaGrow® + Grower Standard	911.4	1047.2	979.3
Grower Standard	832.2	1011.8	922.0

This particular trial was conducted by a specialized testing facility. The manufacturer believes the results would have been significantly better using a product containing SumaGrow® had the trial followed the recommended fertilizer reduction of 50%. As demonstrated in numerous other studies, fertilizer reduction is a necessity to obtain the maximum benefits when using a product containing SumaGrow®.

CONCLUSION:

Though nutrient inputs were to be the same for both treatment regimens for this trial the treated soil showed higher amounts of nitrogen, phosphorus and potassium retain at the end of this trial and the treated soil was somewhat lighter in texture when compared to the grower standard soil.

The use of a product containing SumaGrow® in combination with a grower standard fertility program did indicate significant improvements in plant development and sizing, along with some improvements in soil conditioning as indicated by penetrometer pressure readings during the course this trial. This is a positive indicator of the effect that the product had on celery production in this trial.

PRIMARY POINTS:

Crop: APUGV Apium Graveolens
Location: Camarillo, California
Trial Date: 2011

TREATMENT APPLICATION:

Grower Standard: Fertilizer applied at 100% normal recommended rate
Comment: No issue applying products containing SumaGrow®. No mixing problems or clogging of drip tape noted.

