

Noculate Liquid Results on Seedlings

Noculate Liquid on Sunflower Seedling Growth

Noculate Liquid was applied as a soil drench to sunflower seedlings grown in a greenhouse situation in Promix media. The Noculate Liquid rate used was 10 ml/L water. The results shown are the means of 10 replicate plants from 2 separate experiments, 35 days after planting. See figures 1 and 2 below for the graphed results. The results show Noculate Liquid increased shoot and particularly root mass significantly.

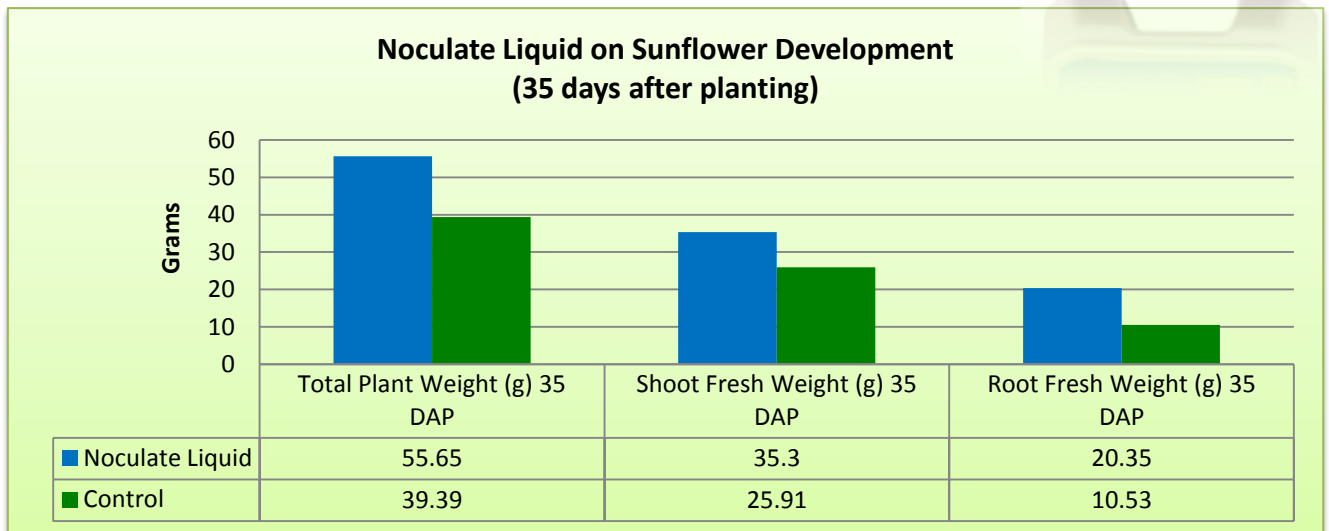


Figure 1. Noculate Liquid Results on sunflower seedling development after 35 days.

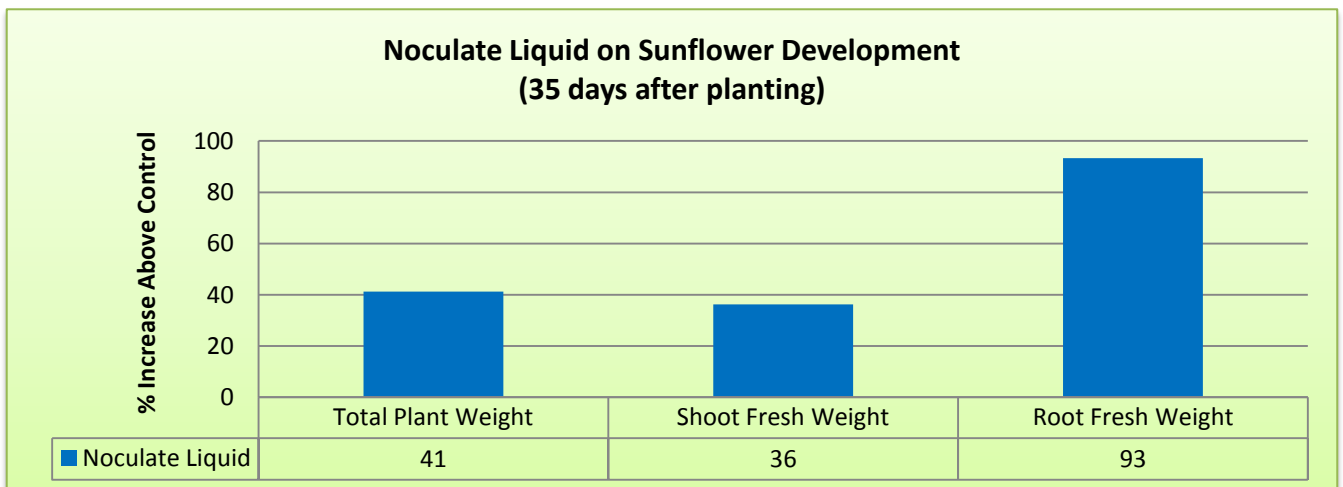


Figure 2. Noculate Liquid Results on sunflower seedling development showing the significant % weight increase above the control after 35 days

After 80 days the measurements of stem diameter, chlorophyll content, leaf area, stem length and flower diameter were recorded and can be seen in figure 3, while the % increase above control is shown in figure 4.

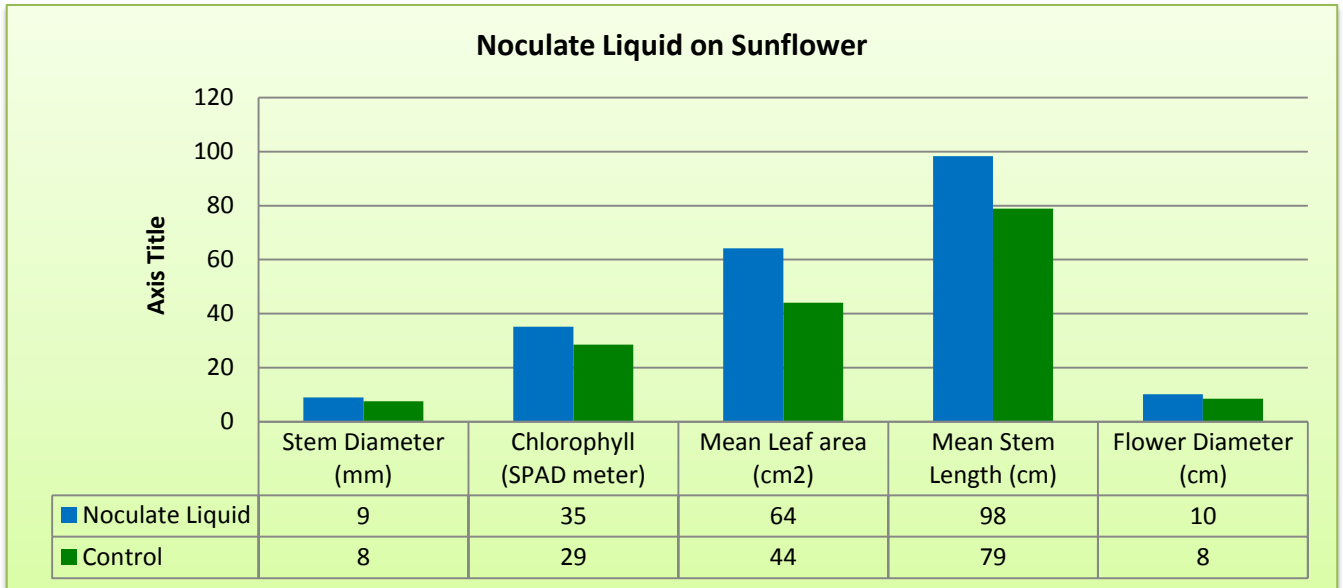


Figure 3. Noculate Liquid Results on sunflower growth and chlorophyll content.

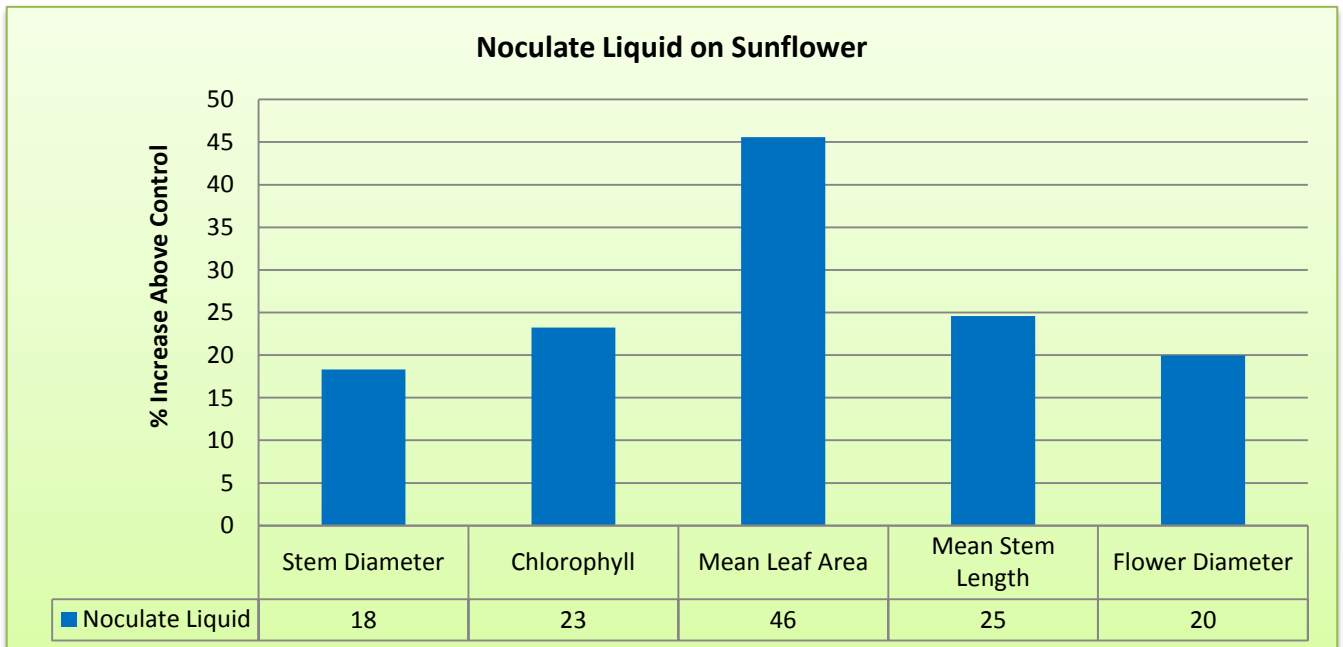


Figure 4. Noculate Liquid Results on sunflower growth and chlorophyll content showing the significant % improvements above the control.

Noculate Liquid on Tomato Seedling Growth

Noculate Liquid was applied as a soil drench to Promix media prior to tomato seeds being sown in a greenhouse situation. The Noculate Liquid rate used was 10 ml/L water. The results shown are the means of 6 replicate plants, 30 days after planting. See figures 5, 6 and 7 below for the graphed results. The results again show Noculate Liquid increased shoot and various root development characteristics significantly, and lead to increased nutrient accumulation in leaves.

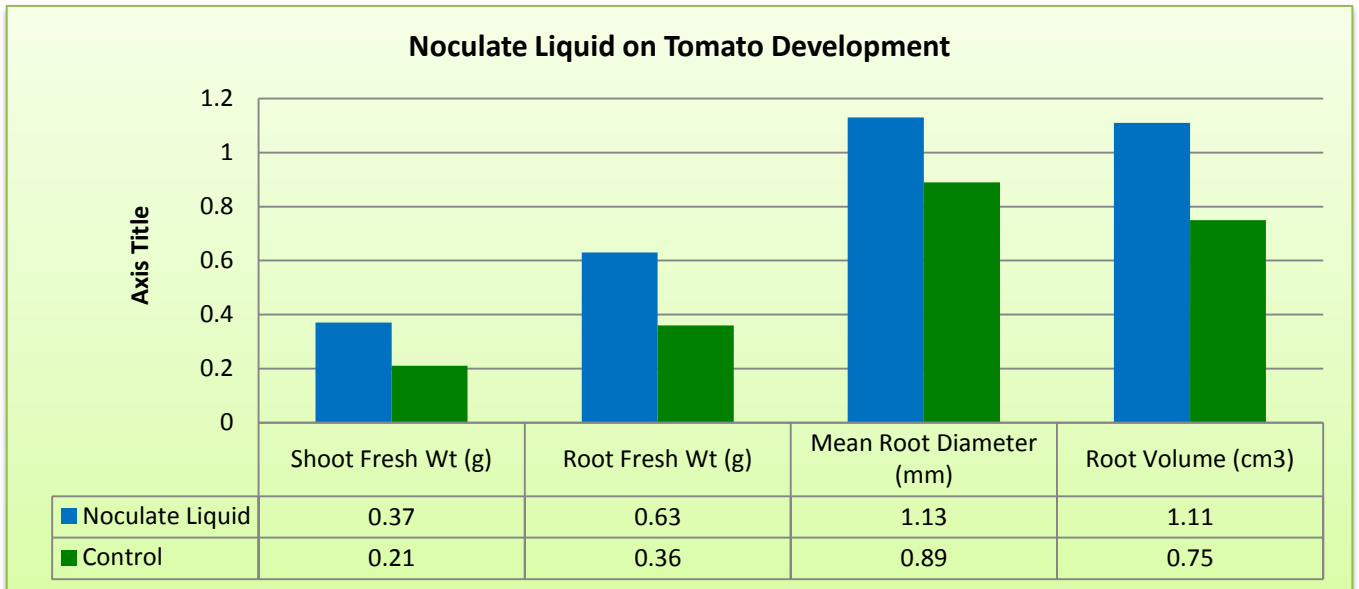


Figure 5. Noculate Liquid Results on tomato root and shoot development after 30 days.

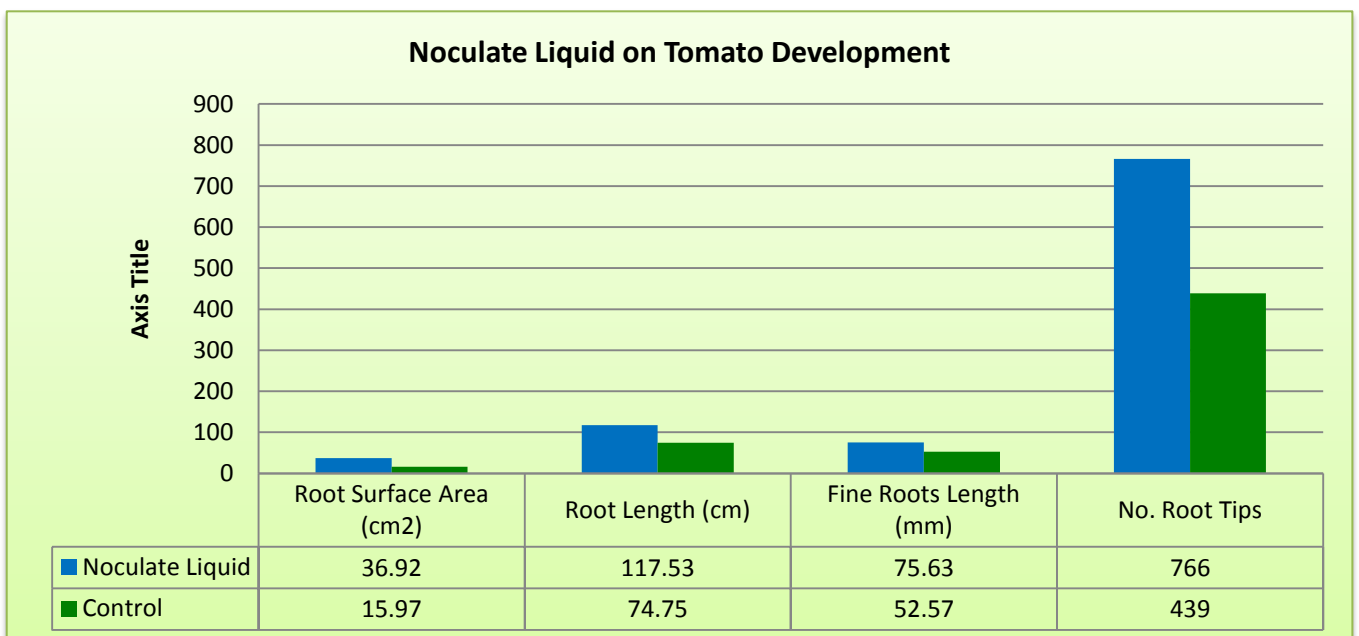


Figure 6. Noculate Liquid Results on tomato root development after 30 days.

Noculate Liquid on Tomato Development

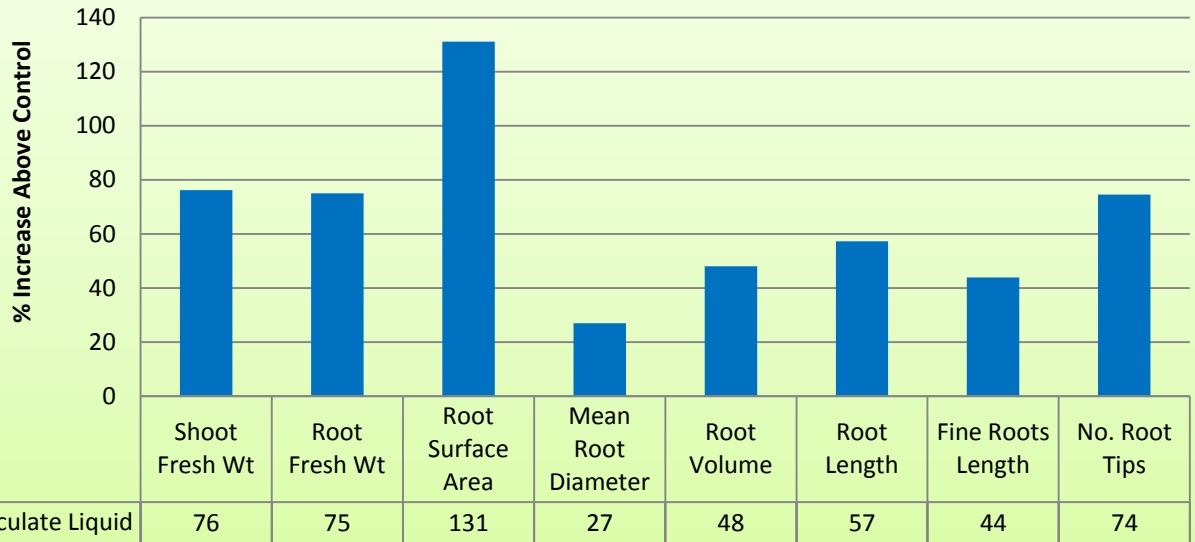


Figure 7. Noculate Liquid Results on tomato root and shoot development showing the significant % improvements above the control after 30 days.

Noculate Liquid on Tomato Leaf Nutrient Status

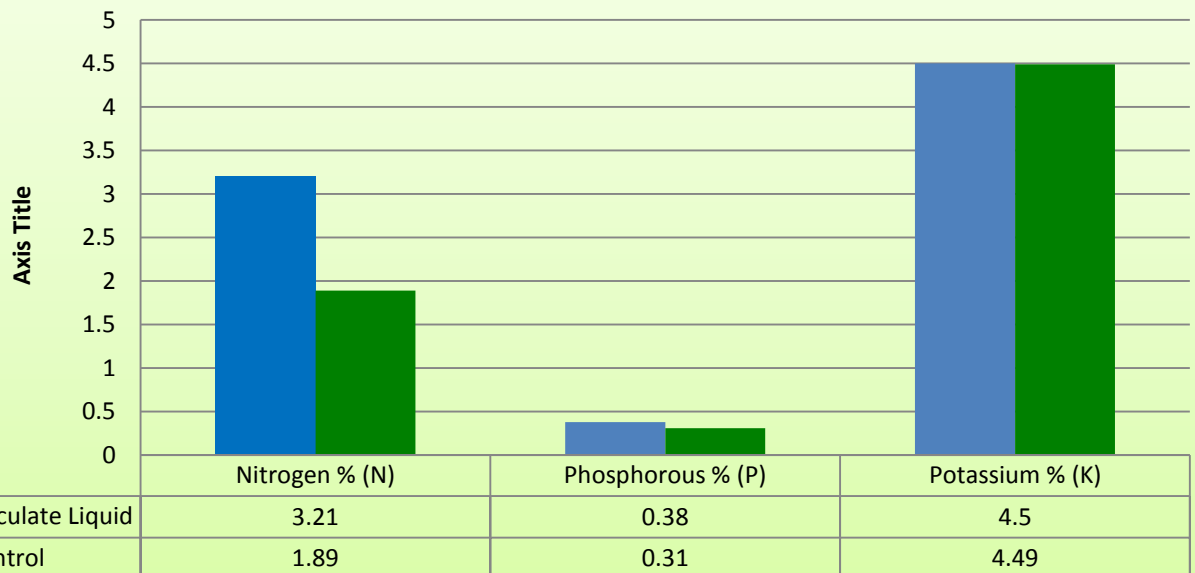


Figure 8. Noculate Liquid Results on tomato leaf nutrient status (N, P, K).

Research performed by Auburn University, Department of Entomology and Plant Pathology.