

K-SURGE™ OUTPERFORMS STANDARD POTASSIUM ACETATE (0-0-20)

The FBS Lab at Innovation Research Park, Old Dominion University | Norfolk, VA

RESEARCH SUMMARY

In 2020, a replicated growth chamber experiment was conducted on sweet corn to demonstrate the performance of K-Surge compared to a standard potassium acetate (0-0-20). Assessments taken included shoot length, chlorophyll density, root length, root SA, shoot weight (dry), and root weight (dry).

TRIAL DESIGN & PROTOCOL

Treatments

- T1: Potassium Acetate (0-0-20) at 1 quart/acre
- T2: **K-Surge** at 1 quart/acre

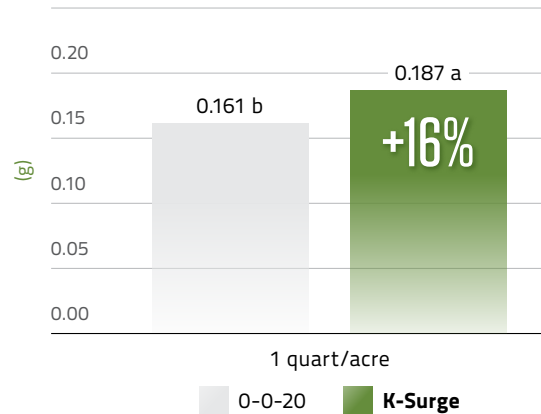
RESULTS

On average, K-Surge significantly outperformed the standard potassium acetate (0-0-20) including:

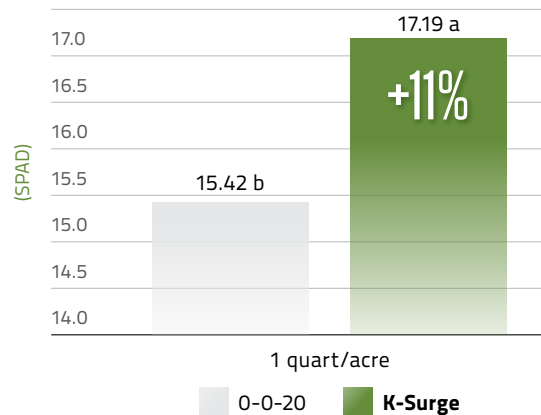
- **Average Whole Plant Weight (Dry) +16%**
- **Chlorophyll Density +11%**
- **Average Root Weight (Dry) +15%**
- **Average Root Surface Area +8%**
- **Average Shoot Length +5%**
- **Average Combined Root Length +9%**
- **Average Shoot Weight (Dry) +15%**

K-Surge outperformed all tested products in every measurable metric of plant vitality. Individual plant metrics are meaningful but when viewed as a whole system these results show how increased chlorophyll production results in larger root systems that grow bigger, healthier plants.

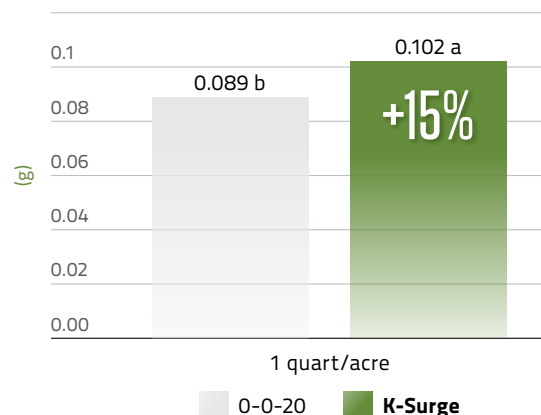
Average Whole Plant Weight (Dry)



Average Chlorophyll Density (2nd Leaf)



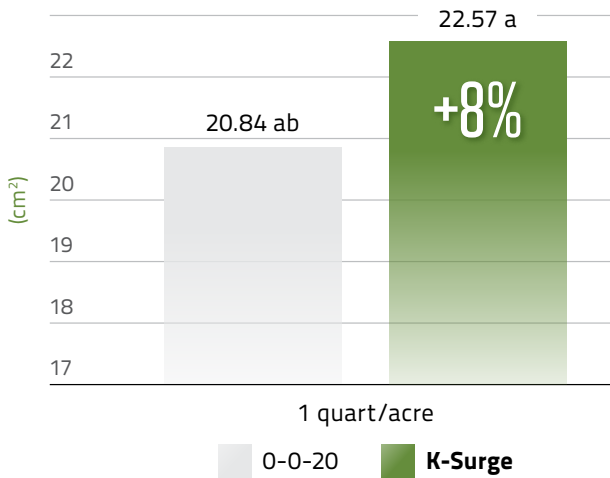
Average Root Weight (Dry)



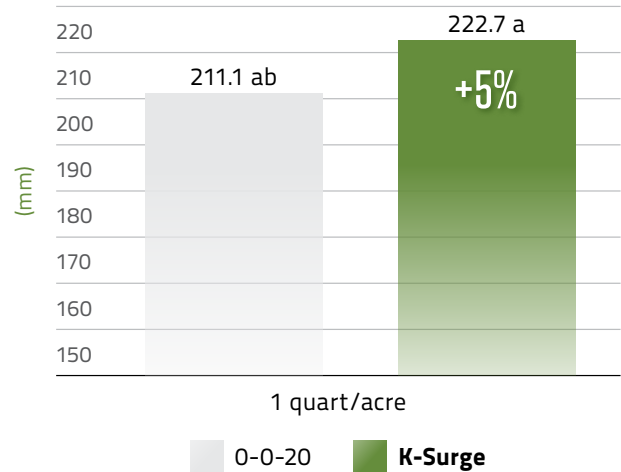
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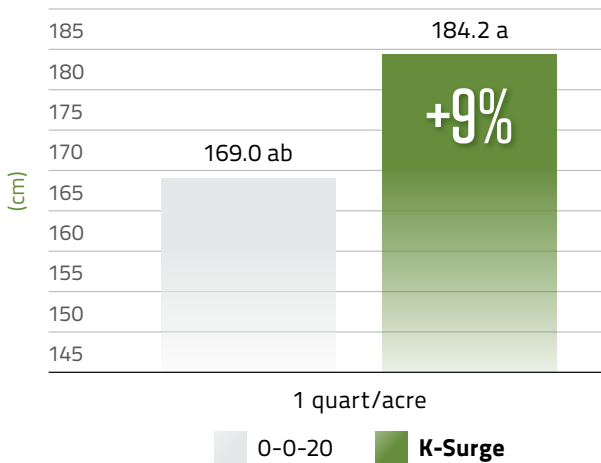
Average Root Surface Area



Average Shoot Length



Average Combined Root Length



Average Shoot Weight (Dry)

