# Potassium Sources on Sugarcane in South Louisiana

New Iberia, LA 2020

| Experiment Info: |
|---|
| Planted: |
| Harvest: |
| Yield Goal: |
| Target Fert.: |
| Variety: |
| Population: |
| Row Width: |
| Prev. Crop: |
| Plot Size: |
| Replications: |

| Soil Test Values (ppm): |
|---|
| pH: |
| CEC: |
| %OM: |
| Bray P1: |
| Bicarb P: |
| K: |
| S: |
| %K: |
| %Mg: |
| %Ca: |
| %H: |
| Zn: |
| Mn: |
| B: |

## Objective:

Evaluate the efficacy of AgroLiquid's potassium source against other liquid potassiums available in south Louisiana on sugarcane and conventional dry 0-0-60.

Treatments included:

Dry Broadcast 0-0-60

10 gal FluidGrow Sidedress

10 gal Hawking Sugar K Sidedress

10 gal Kalibrate Sidedress

10 gal Kalibrate + 2 qt LiberateCa Sidedress

## Sugarcane: New Iberia, LA

| Treatment | Yield (T/A) | Sugar (lbs/A) | TRS |
|---|---|---|---|
| Dry | 40.0 | 7,377 | 184.5 |
| Fluid Grow | 32.8 | 6,054 | 184.6 |
| Hocking Sugar K | 39.1 | 7,389 | 189.0 |
| Kalibrate | 38.8 | 7,826 | 201.5 |
| Kalibrate + LiberateCa | 39.7 | 7,999 | 201.6 |

## Conclusions:

- Both AgroLiquid programs produced comparable cane yield and quality to the dry broadcast application.
- Kalibrate yielded ~450lbs more sugar per acre than conventional dry potash application
- The addition of LiberateCa gained another 175 lbs of sugar per acre.
- AgroLiquid's Kalibrate can sustainably replace conventional dry potassium applications on sugarcane in south Louisiana.