



Foliar Programs in Cotton

PFE: Granite, OK

Experiment Info	
Planted:	
Harvested:	
Yield Goal:	
Variety:	
Pop.:	
Row Width:	
Prev. Crop:	Wheat
Plot Size:	
Reps:	

Objective:

AgroLiquid has identified the value of foliar applications in cotton in reproductive growth stages. In upland cotton varieties in the southern plains, as summer persists and boll formation and fill occurs, nutrient needs often exceed what roots can take up. Adding in nutrients like potassium, calcium and boron can bolster a crops capacity to improve yields. In this trial, 1 gal/A of SureK, 1 qt/A of LiberateCa, and 1 qt/A of MicroLink B was compared against 1 gal/A Lintbooster, 1 qt/A LiberateCa, and 1 qt/A MicroLink B. Another treatment without an applied foliar application was harvested as well for a control.

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

Treatment	Bales/Acre	Lint Pounds/Acre	Loan Value (\$/lb)	Bale Value (\$/bale)
Control	1.46	698.20	403.37	453.83
SureK, LibCa, Boron	1.80	851.40	470.38	553.41
LintBooster, LibCa, Boron	1.40	665.30	358.59	432.45

Conclusions:

In this trial, AgroLiquid's SureK, LiberateCa, and Boron provided a very nice yield increase and significant return on investment over the control and the Lintbooster treatments. It is clear that despite visual deficiency signals, potassium was needed at that time to help with boll fill and fiber quality.