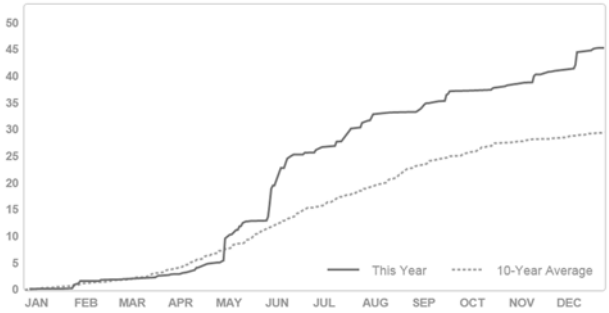
Nebraska On-Farm Research Network

Fulvic Acid In-Furrow on Soybeans

Study ID: 032035201501
County: Clay
Soil Type: Hastings silt loam; Hastings silty clay loam; Crete silt loam;
Planting Date: 5/1/15
Harvest Date: 10/1/15
Population: 155,000
Row Spacing (in.) 30
Hybrid: Asgrow 2431
Reps: 6
Previous Crop: Corn
Tillage: Conventional Till
Herbicides: ***Pre:*** 6.4 oz/ac Optil Pro ***Post:*** 36 oz/ac Roundup
Seed Treatment: Acceleron + X-ite Bio Innoculant

Insecticides: 5 oz/ac Hero (foliar application with Priaxor)
Foliar Fungicides: 4 oz/ac Priaxor
Fertilizer: 11-52-0 zone applied, 1/22/15.
Note: Hail, Sept. 8, 15% damage
Irrigation: Pivot, Total: 6"
Rainfall (in.):



Introduction: Fulvic Acid was applied in furrow. This product is sold by Aurora Coop; active ingredients are not available. The Fulvic Acid treatment was compared to an untreated check.

Results:

	Yield (bu/ac)†	Moisture (%)	Marginal Net Return ($/ac)‡
Check	91 A*	10.9 A	809.90
Fulvic Acid	91 A	10.6 B	805.90
P-Value	0.6941	0.0907	N/A

†Bushels per acre corrected to 13% moisture.
*Values with the same letter are not significantly different at a 90% confidence level.
‡Net Return based on $8.90/bu soybeans and $4.00/ac Fulvic Acid treatment.

Summary: Fulvic Acid did not result in an increase in yield. The check treatment had significantly higher grain moisture when compared to the Fulvic Acid treatment.

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