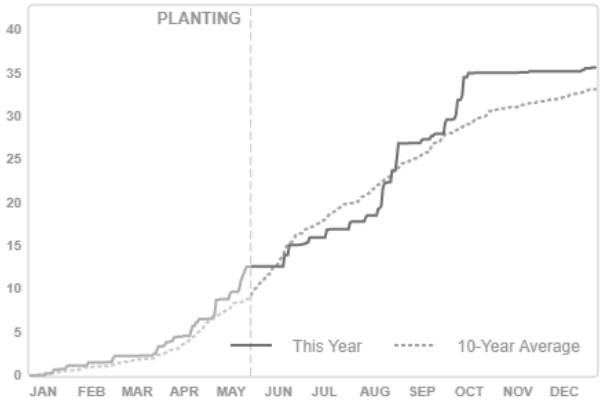
Conklin® Kip Cullers' Nutrient Compass Foliar Fertilizer on Soybeans

Study ID: 319039201702
County: Cuming
Soil Type: Silty clay loam
Planting Date: 5/23/17
Harvest Date: 10/25/17
Row Spacing (in): 36
Variety: Curry 1267
Reps: 5
Tillage: No-Till
Herbicides: ***Pre:*** 3 oz/ac Surveil®, 6 oz/ac Tricor® DF, and 10 oz/ac 2-4D LV6 ***Post:*** 2.5 oz/ac Anthem® Maxx, 28 oz/ac Roundup® PowerMAX, 6 oz Clethodim®, and 1 lb/ac dextrose
Seed Treatment: Commence® from Agnition and Nutriplant® SD from Amway

Fertilizer: 12.5 ton/ac beef manure (17.5 lb N, 181 lb P, 116 lb K, 41.3 lb S & 1.6 lb Zn/ac)
Irrigation: None
Rainfall (in):



Introduction: This study was evaluating Conklin Kip Cullers' Nutrient Compass Foliar Fertilizer® (product information at right). The product was applied to soybeans at R 3.5 growth stage at a rate of 1 qt/ac on August 2, 2107. The weather was cloudy. The product was designed to be able to spray with the post herbicide at V3-V5; this study was looking at the product applied at a different growth stage than what was recommended. The product was compared with an untreated check and moisture, yield, and net return were evaluated.

Guaranteed Analysis: 3-3-9

Total Nitrogen (N)	3.0%
0.4% Ammoniacal Nitrogen; 1.9% Urea Nitrogen; 0.7% Other Water Soluble Nitrogen	
Available Phosphate (P_2O_5)	3.0%
Soluble Potash (K_2O)	9.0%
Sulfur (S)	1.4%
1.4 % combined Sulfur (S)	
Boron (B)	0.04%
Manganese (Mn)	1.7%
1.7% Chelated Manganese (Mn)	
Molybdenum (Mo)	0.0009%
Zinc (Zn)	0.8%
0.8% Chelated Zinc (Zn)	

Plant nutrients derived from: ammonia, urea, potassium hydroxide, phosphoric acid, potassium thiosulfate, boric acid, manganese oxide (EDTA), sodium molybdate, zinc oxide (EDTA).

Product information from:
http://www.kellysolutions.com/erenewals/documentsubmit/KellyData/ND%5CFertilizer%5CProduct%20Label%5C200108520_6_9_2016_4_12_00_PM.pdf

Results:

	Moisture (%)	Yield (bu/acre)†	Marginal Net Return‡ ($/ac)
Check	9.4 A*	71 A	628.53 A
Kip Cullers Nutrient Compass Foliar Fertilizer	9.3 A	70 A	604.88 B
P-Value	0.542	0.138	0.007

*Values with the same letter are not significantly different at a 90% confidence level.
†Bushels per acre corrected to 13% moisture.
‡Marginal net return based on $8.90/bu soybean, $7.12/ac product cost, and $8.13/ac application.

Summary:

- There was no difference in moisture or yield for the Conklin Kip Cullers' Nutrient Compass Foliar Fertilizer® compared with the untreated check.
- The check had a higher marginal net return due to lower input costs. The cost of using the product would be lower if it were applied with the herbicide as it would not require a separate pass across the field.

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