

## Impact of Conklin® Amplify-D® on Corn

Study ID: 0085141201809

**County:** Platte

**Soil Type:** Grigston silt loam wet sub-stratum;

Gibbon silt loam occasionally flooded

Planting Date: 5/5/18 Harvest Date: 10/27/18

**Population:** 21,000 to 22,600 (while treatments were not necessarily equally represented in each population, the population range was only 1,600

seeds/ac)

Row Spacing (in): 30 Hybrid: Dekalb® DKC 59-50

Reps: 12

**Previous Crop:** Soybean, then rye planted after

harvest on 11-15-17 and grazed

Tillage: No-Till

Herbicides: Pre: Burndown and rye termination on

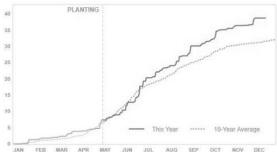
4/27/18

Seed Treatment: Acceleron® Basic 500

Fertilizer: 50 lb/ac Urea (23 lb actual N/ac) and 100 lb/ac MicroEssentials® SZ™ 12-40-0-10S-1Zn (12 lb actual N/ac); 100 lb N/ac sidedress as 32% UAN on

6/6/18

Irrigation: None Rainfall (in):



**Introduction:** This study was evaluating Conklin® Amplify-D® on corn. Amplify-D® was applied at a rate of 1.5 oz/ac in the planter box. The guaranteed analysis is below.

Guaranteed analysis:	
Total Nitrogen (N)	2.0%
Available Phosphoric Acid (P,O,)	10.0%
Calcium (Ca)	1.0%
Iron (Fe)	2.0%
Manganese (Mn)	0.5%
Zinc (Zn) Nutrients from:	2.0% Disodium Phosphate, Adenosine Monophosphate (AMP), Monosodium Phosphate, Calcium Carbonate, Ferrous Sulfate, Manganese Sulfate and Zinc Sulfate

Product information from: https://www.conklin.com/mwdownloads/download/link/id/175/

## **Results:**

	Moisture (%)	Yield† (bu/acre)	Marginal Net Return‡ (\$/ac)
Check	14.8 A*	216 A	697.44 A
Conklin® Amplify-D®	14.8 A	215 A	691.26 B
P-Value	0.906	0.173	0.064

<sup>\*</sup>Values with the same letter are not significantly different at a 90% confidence level.

<sup>†</sup>Yield values are from cleaned yield monitor data. Bushels per acre corrected to 15.5% moisture.

<sup>‡</sup>Marginal net return based on \$3.23/bu corn and \$1.80/ac Amplify-D cost.

## **Summary:**

- There was no difference in moisture or yield between the untreated check and the Amplify-D® treatment
- Net return was greater for the untreated check.

Sponsored by:









