

## 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 <sub>2</sub> O <sub>5</sub> )	10.0%
Calcium (Ca)	1.0%
Iron (Fe)	2.0%
Manganese (Mn)	0.5%
Zinc (Zn)	2.0%
Nutrients from:	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

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

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

‡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.

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