

Impact of Conklin® Amplify-D® on Corn

Study ID: 0085141201808

County: Platte

Soil Type: Gibbon-Gayville silty clay loam occasionally flooded; Grigston silt loam wet sub-stratum

Planting Date: 5/8/18

Harvest Date: 10/15/18 and 10/16/18

Population: 32,960

Row Spacing (in): 30

Hybrid: Dekalb® DKC 64-34

Reps: 28

Previous Crop: Corn

Tillage: Disk

Herbicides: **Pre:** 2 qt/ac Degree Extra®, 40 oz/ac Roundup®, and 6 oz/ac Sterling Blue® in mid-May

Post: 56 oz/ac Halex®, 1 pt/ac Atrazine, and 16 oz/ac Roundup® in mid-June

Seed Treatment: Acceleron® Basic 500

Fertilizer: 100 lb/ac Urea (46 lb actual N/ac); 130 lb/ac N sidedressed with UAN 32% on 6/6/18

Irrigation: Pivot, Total: 5"

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 ₂ O ₅)	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/ac)	Marginal Net Return‡ (\$/ac)
Check	19.2 A*	214 A	689.69 A
Conklin® Amplify-D®	19.0 A	212 A	682.62 A
P-Value	0.375	0.308	0.174

*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 for the Amplify-D® treatment.

Summary:

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

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