

Impact of Conklin® Amplify-D® on Irrigated Corn

Study ID: 0085141201915

County: Platte

Soil Type: Grigston silt loam, wet sub-stratum, rarely flooded; Janude fine sandy loam, 0-1% slope

Planting Date: 5/3/19

Harvest Date: 10/24-29/19

Seeding Rate: 32,000

Row Spacing (in): 30

Variety: DEKALB® DKC64-34

Reps: 38

Previous Crop: Corn

Tillage: No-Till

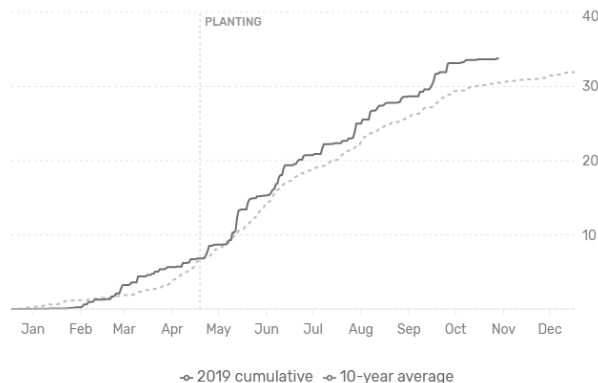
Herbicides: **Pre:** 2 qt/ac Degree Xtra®, 32 oz/ac Roundup PowerMAX®, 3 oz/ac Balance® Flexx, and 6 oz/ac Sterling Blue® with Superb® and 3 oz/ac Class Act® **Post:** 50 oz/ac Halex® GT, 16 oz/ac atrazine, 22 oz/ac Roundup PowerMAX®, and Class Act® at V6

Seed Treatment: Acceleron® Basic 500

Fertilizer: 100 lb/ac MicroEssentials® SZ™ (12-40-0-10S-1Zn) and 100 lb/ac urea in April; 10 gal/ac 32% UAN and thiosulfate with planter, 5 gal/ac Kugler LS 624 (6-24-6-1S) in-furrow, 50 gal/ac 32% UAN and thiosulfate side-dress on 6/15/19

Irrigation: Pivot, Total: 5"

Rainfall (in):



Introduction: The study is evaluating Conklin® Amplify-D® on corn. Amplify-D® was applied at a rate of 3 oz/ac in the planter box. The Amplify-D® 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	15.9 A*	234 A	895.90 A
Conklin® Amplify-D® (3 oz/ac)	15.9 A	233 A	887.41 B
P-Value	0.817	0.106	0.009

*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 adjusted to 15.5% moisture.

‡Marginal net return based on \$3.83/bu corn and \$3.36/ac for Amplify-D®.

Summary: There was no difference in yield or moisture between the untreated check and the Amplify-D® treatment. Net return was \$8.49/ac higher for the untreated check compared to Amplify-D®.

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