

Impact of Conklin® Amplify-D® on Irrigated Corn

Study ID: 0085141201905

County: Platte

Soil Type: Grigston silt loam wet sub-stratum

Planting Date: 4/24/19

Harvest Date: 10/17-18/19

Seeding Rate: 32,000

Row Spacing (in): 30

Variety: DEKALB® DKC62-53

Reps: 14

Previous Crop: Soybean

Tillage: Rolled before planting

Herbicides: Post: 2 qt/ac Degree® Xtra, 32 oz/ac

Roundup PowerMAX®, 3 oz/ac Balance® Flexx, and

6 oz/ac Sterling Blue® with Superb® HC and Class

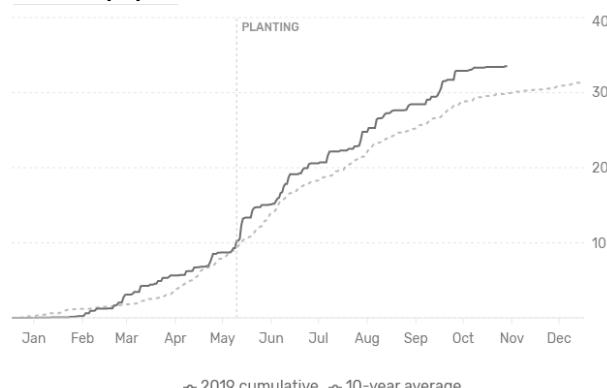
Act®

Seed Treatment: Acceleron® Basic 500

Fertilizer: 100 lb/ac MicroEssentials® SZ™ (12-40-0-10S-1Zn) in April, 10 gal/ac 32% Thiosulfate with planter, 5 gal/ac Kugler LS 624 (6-24-6-1S) in-furrow, 43 gal/ac of 32% UAN and thiosulfate blend with 360 Y-DROP® at V8 on 6/15/19

Irrigation: Gravity, Total: 7"

Rainfall (in):



Introduction: The study is evaluating Conklin® Amplify-D® on corn. Amplify-D® was applied at a rate of 1.5 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	16.3 A*	250 B	955.71 B
Conklin® Amplify-D® (1.5 oz/ac)	16.3 A	254 A	970.28 A
P-Value	0.918	0.012	0.021

*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 \$1.68/ac for Amplify-D®.

Summary: Amplify-D® resulted in a 4 bu/ac yield increase and \$14.57 increase in marginal net return.

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