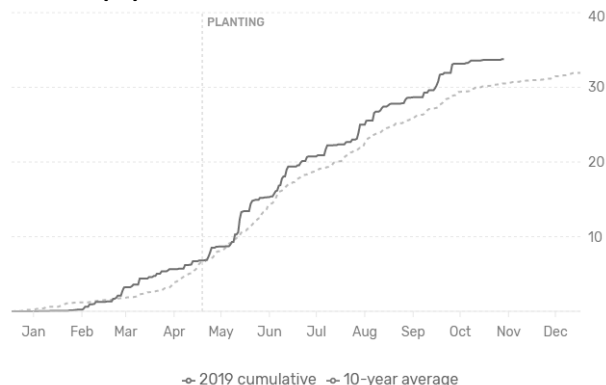


Impact of Conklin® Amplify-D® on Irrigated Corn

Study ID: 0085141201914
County: Platte
Soil Type: O'Neill fine sandy loam, 0-2% slope
Planting Date: 5/3/19
Harvest Date: 10/28/19
Seeding Rate: 32,000
Row Spacing (in): 30
Variety: DEKALB® DKC64-34
Reps: 38
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% UAN and thiosulfate blend with planter, 5 gal/ac Kugler LS 624 (6-24-6-1S) in-furrow product, 43 gal/ac of 32% UAN and thiosulfate 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 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	16.2 A*	249 A	955.06 A
Conklin® Amplify-D® (3 oz/ac)	16.2 A	251 A	956.97 A
P-Value	0.440	0.203	0.641

*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 moisture, yield, or net return between the untreated check and the Amplify-D® treatment.

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