

Impact of Conklin® Amplify-D® on Non-irrigated Corn

Study ID: 0085141201910

County: Platte

Soil Type: Gibbon-Gayville silty clay loams, occasionally flooded

Planting Date: 4/25/19

Harvest Date: 10/18/19

Seeding Rate: 32,000

Row Spacing (in): 30

Variety: DEKALB® DKC60-88

Reps: 10

Previous Crop: Soybean

Tillage: No-Till

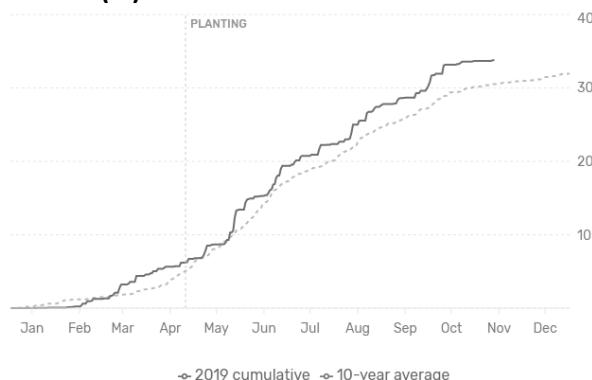
Herbicides: Post: 2 qt/ac Degree Xtra®, 32 oz/ac Roundup PowerMAX®, 3 oz/ac Balance® Flexx, 6 oz/ac Sterling Blue®, and 56 oz/ac Halex® GT with Superb® HC and Class Act®

Seed Treatment: Acceleron® Basic 500

Fertilizer: 75 lb/ac MicroEssentials® SZ™ (12-40-0-10-1), 10 gal/ac of 32% UAN and thiosulfate blend with planter, 5 gal/ac of Kugler LS 6-24-6-1S in-furrow, 22 gal/ac of 32% UAN and thiosulfate blend on V8 corn with 360 Y-DROP® on 6/15/19

Irrigation: None

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	16.2 A*	196 A	749.71 A
Conklin® Amplify-D® (1.5 oz/ac)	16.2 A	193 A	738.93 B
P-Value	0.980	0.131	0.080

*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: There was no difference in yield or moisture between the untreated check and the Amplify-D® treatment. The use of Amplify-D® resulted in a \$10.78/ac decrease in net return compared to the untreated check.

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