

Impact of Conklin® Amplify-D® on Irrigated Corn

Study ID: 0085141201906

County: Platte

Soil Type: Janude fine sandy loam, 0-1% slope; O'Neill fine sandy loam, 0-2% slope

Planting Date: 4/26/19

Harvest Date: 10/14/19

Seeding Rate: 32,000

Row Spacing (in): 30

Variety: DEKALB® DKC60-87

Reps: 16

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® HC and Class Act® *Post:* 50 oz/ac Halex® GT, 16 oz/ac atrazine, and 22 oz/ac Roundup PowerMAX® with Class Act® at V6

Seed Treatment: Acceleron® Basic 500

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	19.9 A*	226 A	866.89 A
Conklin® Amplify-D® (1.5 oz/ac)	19.9 A	224 B	857.02 B
P-Value	0.796	0.001	0.0002

*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: The use of Amplify-D® resulted in a 2 bu/ac yield decrease and \$9.87/ac decrease in net return.

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