

## Impact of Conklin® Amplify-D® on Irrigated Corn

**Study ID:** 0085141201911

**County:** Platte

**Soil Type:** Gibbon-Gayville silty clay loams, occasionally flooded; Grigston silt loam, wet substratum, rarely flooded

**Planting Date:** 5/3/19

**Harvest Date:** 10/24/19

**Seeding Rate:** 32,000

**Row Spacing (in):** 30

**Variety:** DEKALB® DKC60-87

**Reps:** 14

**Previous Crop:** Corn

**Tillage:** No-Till

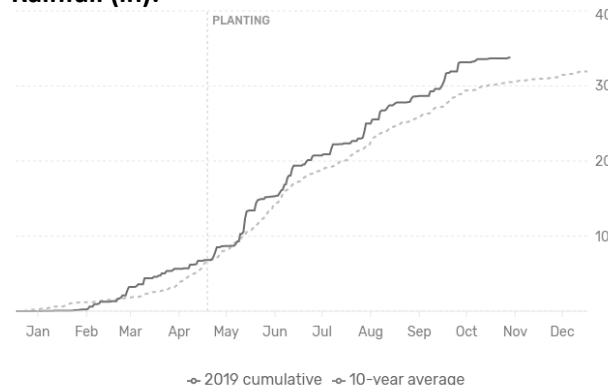
**Herbicides:** **Pre:** 2 qt/ac Degree Xtra®, 32 oz/ac Roundup PowerMAX®, 3 oz/ac Balance® Flexx, and 6 oz/ac Sterling Blue® with Class Act® and Superb®  
**HC Post:** 50 oz/ac Halex® GT, 16 oz/ac atrazine, and 22 oz/ac Roundup PowerMAX® with Class Act® at V6

**Seed Treatment:** Acceleron® Basic 500

**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 blend 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 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 <sub>2</sub> O <sub>5</sub> ) | 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                           | 15.6 A*      | 235 A          | 899.69 A                     |
| Conklin® Amplify-D® (1.5 oz/ac) | 15.6 A       | 234 A          | 893.67 A                     |
| P-Value                         | 0.599        | 0.449          | 0.299                        |

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

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