

Impact of Conklin® Intensify® on Irrigated Soybean

Study ID: 0085141201918

County: Platte

Soil Type: Gibbon-Gayville silty clay loams, occasionally flooded; Grigston silt loam, wet substratum, rarely flooded; O'Neill fine sandy loam, 0-2% slope

Planting Date: 5/13/19

Harvest Date: 9/30/19

Seeding Rate: 131,000

Row Spacing (in): 30

Variety: Asgrow® AG29X9

Reps: 4

Previous Crop: Corn

Tillage: Rolled before planting

Herbicides: Pre: 22 oz/ac XtendiMax®, 3 oz/ac Fierce®, and 32 oz/ac Roundup PowerMAX® with 20 oz/ac Class Act® Ridion® and 13 oz/ac OnTarget® **Post:** 22 oz/ac XtendiMax®, 6 oz/ac Select®, and 32 oz/ac Roundup PowerMAX® with 20 oz/ac Class Act® Ridion® and 13 oz/ac OnTarget®

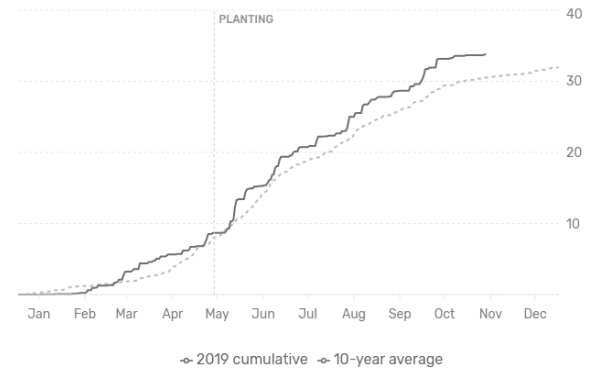
Foliar Insecticides: Leverage® 360 on 8/1/19

Foliar Fungicides: Stratego® YLD on 8/1/19

Fertilizer: 100 lb/ac MicroEssentials® SZ™ (12-40-0-10S-1Zn) in April, 6 gal/ac 8-20-3-6-0.4 on surface with planter

Irrigation: Pivot, Total: 5"

Rainfall (in):



Introduction: The purpose of this study is to evaluate Conklin® Intensify®, a plant growth regulator containing gibberellic acid and indole-3-butyric acid. The guaranteed analysis is below. Intensify® was applied at a rate of 0.26 oz/ac in-furrow with 5 gal/ac water.



PLANT GROWTH REGULATOR • WATER SOLUBLE GRANULE

Active Ingredients:

Gibberellic acid0.70% w/w

Indole-3-butyric acid0.64% w/w

Other Ingredients:98.66% w/w

Total:100.0% w/w

Contains a total of 0.0070 lb. of gibberellic acid and 0.0064 lb. of indole-3-butyric acid in 1 lb. of the product.

Product information from: <https://www.conklin.com/mwdownloads/download/link/id/633/>

Results:

	Stand Count (plants/ac)	Moisture (%)	Yield (bu/ac)†	Marginal Net Return‡ (\$/ac)
Check	112,328 B*	12.9 A	80 A	645.08 A
Conklin® Intensify	114,500 A	12.8 A	81 A	654.68 A
P-Value	0.086	0.792	0.109	0.198

*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 13% moisture.

‡Marginal net return based on \$8.10/bu soybean and \$3.58/ac for Intensify®.

Summary:

- There was no difference in grain moisture, yield, and net return between the Intensify® treatment and the untreated check.
- Stand counts were higher for the Intensify® treatment than the untreated check.

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