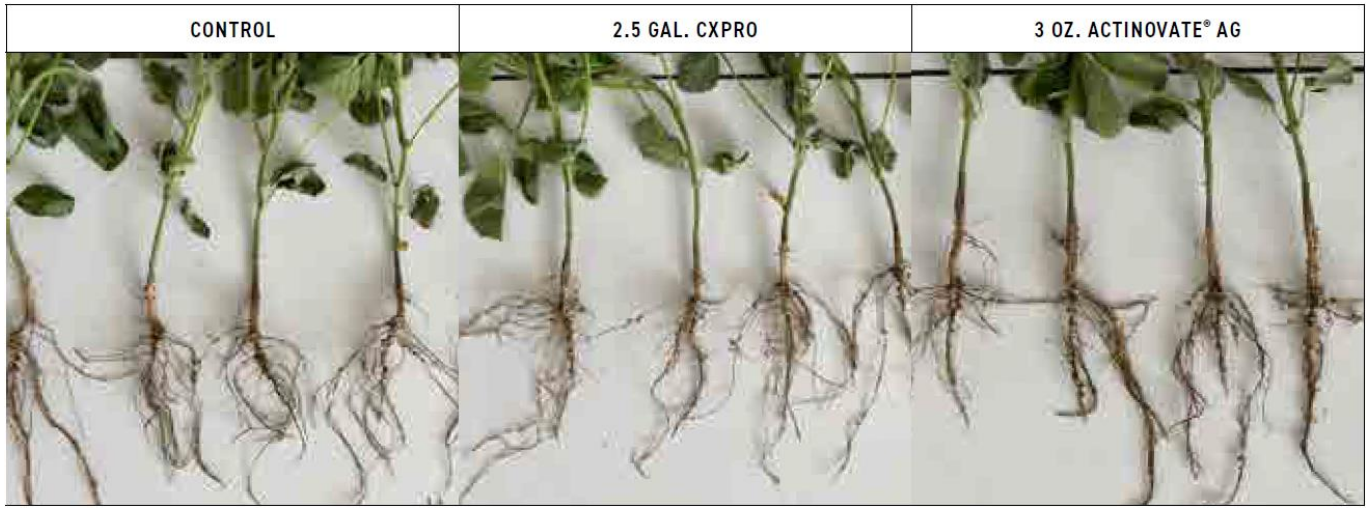
Becks 2022 PFR Iowa In-Furrow Product Study

Purpose: To evaluate in-furrow organic fungicide and insecticide products and their effect on yield and profitability.

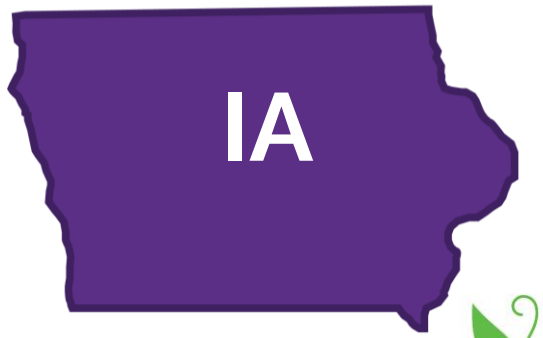
Study Information:

Planted: 05/10/2023 | Harvested: 10/10/2023 | Population: 160,000 Seeds/A. | Row Width: 30 in. | Previous Crop: Corn | Tillage Fall: Fall: Chisel, Spring: Field Cultivation | Brand: 320GH | Soil Type: Nevin (Silty Clay Loam) | Soil Test Values: pH 6.6, O.M. % 4.1, CEC 17 | Percent Base Saturation: Ca 66.2, Mg 21.1, K 5.6, H 7.1 | Parts Per Million: P71, K 372, S 11, Zn 7.3, Mn 54, B 0.6

Other Fertility Notes: Fall of 2020 since any MAP or Potash applications & 3 tons of **dry crumbles** chicken manure before the 2021 season:



PARTICIPATING SITES:



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PURPLE COW ORGANICS

Beck's 2022 Iowa PFR Results

Observation:

Both products tested in this study are biological products. More data is needed to evaluate their year-over-year impact on Yield and ROI.

In-Furrow Treatments	Percent Moisture	BU/A	BU/A Difference	Return on Investment
Control	9.5	70.1	--	--
2.5 Gal CXPro	9.5	72.8	+2.7	+$76.15
3 oz. Actinovate® AG	9.6	67.9	-2.2	-$94.23

Soybeans $34.50/bu. CXPro $6.80/gal. Actinovate® AG $6.11/oz. These results are based on the disclosed study parameters and participating sites.

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