

2019 PURDUE EXTENSION, POSEY & GIBSON COUNTY CORN PLOTS SUMMARY

For more information about the plots, contact: Hans Schmitz, Extension Educator in Posey County (see contact information below).

Thanks to Bryan Welte, Freeman Whitehead, and Agreliant for all their help in packaging, planting, harvesting and analysis of the Gibson County location for the Corn Hybrid Yield Trials. They provided location, all labor and plot work, and sent back harvest results. Purdue Extension then provided the statistical analysis.

Below are comments regarding the plots:

Data were double-checked prior to statistical analysis and once again checked post-analysis. Planting location was near Elberfeld, technically in Warrick County. Previous crop was soybean. Plots were sprayed with Trizmet II pre-plant, and Impact was applied around June 10. Some of the Roundup plots received water damage which negatively impacted yield and increased LSD significantly. The only variety where multiple replicates were impacted was ProHarvest 8147.

Thanks to the following companies and representatives for providing the seed and plot fees used to conduct the Corn hybrid trials in Gibson and Posey County. Below are the seed company representatives and their contact information:

<u>SEED COMPANY</u>	<u>NAME</u>	<u>PHONE #</u>	<u>SEED COMPANY</u>	<u>NAME</u>	<u>PHONE #</u>
AgriGold Hybrids	Matt Michel	(812) 632-0379	Golden Harvest	Tawny Chesser	(812) 486-6939
Augusta Seed	Matt Rawley	(540) 886-6055	MCC White Genetics	Clate Jones	(270) 318-0372
Beck's Hybrids	Kurt Karch	(812) 483-4635	NuTech	Barrett Ranes	(270) 635-5185
Channel	Erik Bender	(812) 453-6808	Pioneer Hybrids	Emily Seib	(812) 202-5677
DeKalb Seed	Matt Parmer	(812) 202-1807	ProHarvest	Tom Forrest	(309) 530-3983
Dyna-Gro/Nutrien	Landon Taylor	(270) 231-6977	Stewart Seeds	Jim Durchholz	(812) 453-1746

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This is a summary, comparing all the yields for the corn hybrids in the Purdue Extension, Gibson County plots. For specific information about the individual plots, please refer to the individual county plot results in this document, also available at the Purdue Extension, Posey County website at: www.extension.purdue.edu/posey, or by clicking on the link above.

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2019 GIBSON COUNTY CORN TEST PLOT SUMMARY
RR READY CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON		Hybrids sorted by Yield	
		AVG. YIELD	AVG. MOISTURE		
Augusta	A4858	231.7	*	17.5	LSD for Gibson Plot YIELD is: 46.6 (Alpha = .05)
Augusta	A1059	223.3	*	18.2	
Augusta	A4565	199.7		19.1	
ProHarvest	8147VTDP	161.8		16.8	Any pairwise comparison is appropriate.
ProHarvest	8324VTDP	193.0		17.8	
ProHarvest	8404VTDP	232.5	*	20.2	
Pioneer	P1197AM	242.0	*	18.5	LSD is "Least Significant Difference"
Pioneer	P1464AML	253.4	*	18.9	
Pioneer	P1870AM	243.7	*	20.8	
Dekalb	DKC65-99RIB	229.4	*	20.1	YIELD followed by an asterisk (*) is not significantly different from the highest yield
Dekalb	DKC66-18RIB	218.2	*	19.2	
Dekalb	DKC68-69RIB	239.5	*	21.3	
Stewart	15DP519	242.1	*	19.9	
Stewart	14DD339	235.8	*	19.2	
Stewart	16DP310	213.3	*	19.6	
Dyna-Gro	D52VC15	215.7	*	18.0	PLOT INFORMATION
Dyna-Gro	D54VC14	209.2	*	18.6	
Dyna-Gro	D56VC46	176.3		19.5	
Beck's	6282 AM	226.4	*	18.1	Planted: May 17, 2019
Beck's	6622AM	196.2		19.1	Harvested: September 25, 2019
Beck's	6774V2	220.5	*	21.3	
Agrigold	A6572VT2RIB	211.0	*	18.1	
Agrigold	A6544VT2RIB	195.6		18.1	
Agrigold	A644-32TRCRIB	223.0	*	18.5	
Golden Harvest	G10 L16-3330A	231.0	*	17.2	3 replications of each hybrid in Gibson Plot
Golden Harvest	G13Z50-3220	226.5	*	18.3	
Golden Harvest	G14N11-3110	219.7	*	19.8	
NuTech	9909	230.2	*	17.2	Thanks to Bryan Welte, Freeman Whitehead, and Agreliant for packaging plot seed, planting three reps of each plot at their location, and harvesting the Gibson plot location.
NuTech	75Y1	243.3	*	18.5	
NuTech	78A1	249.9	*	19.9	
Channel	209-15	225.3	*	17.0	
Channel	215-60	238.1	*	19.0	
Channel	218-44	249.7	*	19.4	

PLOT AVERAGE: 222.6 18.86

33 hybrids

For questions or additional information, contact Hans Schmitz at Purdue Extension, Posey County at: hschmitz@purdue.edu or (812) 838-1331.

Results can also be found at:
<https://extension.purdue.edu/Posey/>

2019 GIBSON COUNTY CORN TEST PLOT SUMMARY
NON-GMO CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON		Hybrids sorted by Yield
		AVG. YIELD	AVG. MOISTURE	
Augusta	A5062	239.0	* 19.3	LSD for Gibson Plot YIELD is: 23.1 (Alpha = .05)
Augusta	A5658	237.7	* 17.1	
Augusta	A4858	233.1	* 18.5	
Pioneer	P1442	254.0	* 18.8	Any pairwise comparison is appropriate.
MCC White Genetics (Steyer)	T1137JW	222.7	19.8	
MCC White Genetics (Steyer)	T1162JW	205.8	21.1	
MCC White Genetics (Steyer)	T1163JW	190.6	22.1	LSD is "Least Significant Difference"
Beck's	6274PQ	245.7	* 18.9	YIELD followed by an asterisk (*) is not significantly different from the highest yield
Beck's	6589PQ	226.1	19.9	
Beck's	6774PQ	250.8	* 19.8	
Dekalb	DKC64-32	249.1	* 18.6	3 replications of each hybrid in Gibson Plot
Dekalb	DKC64-84	237.4	* 17.6	
Dyna-Gro	54CC52	233.7	* 19.7	
Dyna-Gro	52CC91	207.7	18.6	PLOT INFORMATION
AgriGold	A6572	240.9	* 18.4	
AgriGold	A645-10	239.3	* 20.2	
AgriGold	A643-41	216.0	18.7	Planted: May 17, 2019
Stewart Seeds	17CV387	228.8	20.2	Harvested: September 25, 2019
Golden Harvest	G10T63	230.9	* 17.1	
Golden Harvest	G12W66	218.5	16.7	

PLOT AVERAGE: 230.4 19.04

20 hybrids

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