

2018 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 Adam Thurston and Cale Russler at Pioneer for all their help in packaging, planting, harvesting and analysis of the Gibson & Posey County locations for the Corn Hybrid Yield Trials. They provided locations, 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. Plots were planted targeting 36,000 plants/acre. Stand counts in-season showed populations of 27,000-33,000 plants per acre. Each plot was 2 rows 17.42 feet long with 4 replicates. The Gibson County plot was planted on a Ragsdale silt loam. The Posey County plot was planted on a Weinbach silt loam.

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	LG Seeds	Jacob Kibbons	(270) 903-9875
Augusta Seed	Matt Rawley	(540) 886-6055	MCC White Genetics	Clate Jones	(270) 318-0372
Beck's Hybrids	Kurt Karch	(812) 483-4635	AgVenture/Meinschein	Corey Meinschein	(812) 307-6051
Dairyland Seed	Tom Forrest	(309) 530-3983	Mycogen Seeds	Ellen Adler	(812) 453-9796
DeKalb Seed	Matt Parmer	(812) 202-1807	Pioneer Hybrids	Emily Seib	(812) 202-5677
Golden Harvest	Tawny Chesser	(812) 486-6939	Stewart Seeds	Jim Durchholz	(812) 453-1746
			Spectrum	Scott Johnson	(866) 400-9468

www.extension.purdue.edu/posey

This is a summary, comparing all the yields for the corn hybrids in the Purdue Extension, Posey and 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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2018 POSEY & GIBSON COUNTY CORN TEST PLOT SUMMARY

RR READY CORN HYBRIDS

COMPANY <u>NAME</u>	HYBRID <u>NUMBER</u>	GIBSON		POSEY		
		AVG. <u>YIELD</u>		AVG. <u>YIELD</u>		
AgriGold	A645-10VT2RIB	244.0	*	192.6		Hybrids listed in alphabetical order by Company name
AgriGold	A6499STXRIB	187.3		195.7		LSD for Gibson Plot YIELD is: 32.68 bu. (Alpha = .05)
AgriGold	A6544VT2RIB	256.6	*	240.9	*	LSD for Posey Plot YIELD is: 20.60 bu. (Alpha = .05)
AgVenture	AV7408YHB	224.7	*	210.0		
AgVenture	AV8614YHB	248.1	*	232.9	*	Any pairwise comparison is appropriate.
AgVenture	AV8915YHB	226.8	*	227.5	*	
Augusta	4465	228.9	*	209.7		LSD is "Least Significant Difference"
Augusta	4565	235.0	*	202.3		
Augusta	4658	226.5	*	181.1		
Beck's	6365AM	231.2	*	214.0		YIELD followed by an asterisk (*) is not significantly different from the highest yield
Beck's	6589V2P	232.7	*	188.6		
Beck's	6774V2P	235.7	*	213.3		
Dairyland	DS7414	231.2	*	162.1		4 replications of each hybrid in Gibson Plot
Dairyland	DS7513	219.1		168.2		4 replications of each hybrid in Posey Plot
Dairyland	DS7915	225.3	*	179.0		
Dekalb	DKC67-44RIB	250.6	*	232.3	*	
Dekalb	DKC67-99RIB	235.2	*	213.5		<u>PLOT INFORMATION</u>
Dekalb	DKC70-27RIB	238.9	*	236.9	*	
Golden Harvest	G10T63-3120	240.0	*	216.0		See individual County Summary
Golden Harvest	G14V04-3120	227.6	*	203.2		This Summary aggregates both county's data.
Golden Harvest	G15L32-3111	216.0		218.0		
LG Seeds	LG5643	238.0	*	220.6	*	Thanks to Adam Thurston and Cale Russler with Pioneer
LG Seeds	LG5650	248.9	*	221.8	*	for packaging plot seed, planting four reps of each plot at
LG Seeds	LG62C02	237.5	*	233.2	*	their location, and harvesting the Posey and Gibson plot
Mycogen	MY12G35	229.7	*	176.4		locations.
Mycogen	MY14H95	224.8	*	209.8		
Mycogen	MY16M16	215.9		176.7		
Pioneer	P1197AM	234.2	*	196.5		
Pioneer	P1442AM	246.1	*	226.7	*	
Stewart	14DD339	236.5	*	226.2	*	For questions or additional information, contact Hans
Stewart	17DP387	210.2		217.1		Schmitz at Purdue Extension, Posey County at:
Stewart	8E623RIB	236.8	*	221.5	*	hschmitz@purdue.edu or (812) 838-1331.

PLOT AVERAGE: **231.9** **208.2**

32 hybrids

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

**2018 POSEY COUNTY CORN TEST PLOT
RR READY CORN HYBRIDS**

COMPANY NAME	HYBRID NUMBER	POSEY		Hybrids sorted by Yield
		AVG. YIELD	AVG. MOISTURE	
Agrigold	A6544VT2RIB	240.9	*	17.4
Dekalb	DKC70-27RIB	236.9	*	20.4
LG Seeds	LG62C02	233.2	*	17.3
AgVenture	AV8614YHB	232.9	*	18.6
Dekalb	DKC67-44RIB	232.3	*	19.0
AgVenture	AV8915YHB	227.5	*	18.7
Pioneer	P1442AM	226.7	*	19.1
Stewart	14DD339	226.2	*	17.5
LG Seeds	LG5650	221.8	*	18.7
Stewart	8E623RIB	221.5	*	16.5
LG Seeds	LG5643	220.6	*	16.7
Golden Harvest	G15L32-3111	218.0		18.0
Stewart	17DP387	217.1		20.5
Golden Harvest	G10T63-3120	216.0		16.6
Beck's	6365AM	214.0		17.1
Dekalb	DKC67-99RIB	213.5		18.1
Beck's	6774V2P	213.3		20.5
AgVenture	AV7408YHB	210.0		16.8
Mycogen	MY14H95	209.8		18.6
Augusta	4465	209.7		17.7
Golden Harvest	G14V04-3120	203.2		16.8
Augusta	4565	202.3		19.4
Pioneer	P1197AM	196.5		16.8
Agrigold	A6499STXRIB	195.7		18.6
Agrigold	A645-10VT2RIB	192.6		18.3
Beck's	6589V2P	188.6		19.0
Augusta	4658	181.1		16.9
Dairyland	DS7915	179.0		17.7
Mycogen	MY16M16	176.7		17.5
Mycogen	MY12G35	176.4		16.9
Dairyland	DS7513	168.2		16.5
Dairyland	DS7414	162.1		17.0

LSD for Posey Plot YIELD is: 20.60 bushels (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

YIELD followed by an asterisk (*) is not significantly different from the highest yield

PLOT INFORMATION

Planted: 5/11/18

Harvested: 9/23/18

4 replications of each hybrid in Posey Plot

Thanks to Adam Thurston and Cale Russler with Pioneer for packaging plot seed, planting four reps of each plot at their location, and harvesting the Posey and Gibson plot locations.

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

PLOT AVERAGE: 208.2 18.0

32 hybrids

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

2018 GIBSON COUNTY CORN TEST PLOT SUMMARY
RR READY CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON		Hybrids sorted by Yield
		AVG. YIELD	AVG. MOISTURE	
AgriGold	A6544VT2RIB	256.6	* 19.1	LSD for Gibson Plot YIELD is: 32.68 (Alpha = .05)
Dekalb	DKC67-44RIB	250.6	* 20.5	
LG Seeds	LG5650	248.9	* 21.0	Any pairwise comparison is appropriate.
AgVenture	AV8614YHB	248.1	* 20.0	
Pioneer	P1442AM	246.1	* 21.0	LSD is "Least Significant Difference"
AgriGold	A645-10VT2RIB	244.0	* 20.6	
Golden Harvest	G10T63-3120	240.0	* 18.8	YIELD followed by an asterisk (*) is not significantly different from the highest yield
Dekalb	DKC70-27RIB	238.9	* 22.0	
LG Seeds	LG5643	238.0	* 18.5	PLOT INFORMATION
LG Seeds	LG62C02	237.5	* 18.1	
Stewart	8E623RIB	236.8	* 18.7	Planted: April 28, 2018
Stewart	14DD339	236.5	* 19.7	
Beck's	6774V2P	235.7	* 22.0	Harvested: September 13, 2018
Dekalb	DKC67-99RIB	235.2	* 19.9	
Augusta	4565	235.0	* 21.2	4 replications of each hybrid in Gibson Plot
Pioneer	P1197AM	234.2	* 18.9	
Beck's	6589V2P	232.7	* 20.8	Thanks to Adam Thurston and Cale Russler with Pioneer for packaging plot seed, planting four reps of each plot at their location, and harvesting the Posey and Gibson plot locations.
Dairyland	DS7414	231.2	* 20.9	
Beck's	6365AM	231.2	* 19.6	4 replications of each hybrid in Gibson Plot
Mycogen	MY12G35	229.7	* 19.8	
Augusta	4465	228.9	* 22.0	Thanks to Adam Thurston and Cale Russler with Pioneer for packaging plot seed, planting four reps of each plot at their location, and harvesting the Posey and Gibson plot locations.
Golden Harvest	G14V04-3120	227.6	* 19.6	
AgVenture	AV8915YHB	226.8	* 20.2	4 replications of each hybrid in Gibson Plot
Augusta	4658	226.5	* 18.5	
Dairyland	DS7915	225.3	* 20.4	Thanks to Adam Thurston and Cale Russler with Pioneer for packaging plot seed, planting four reps of each plot at their location, and harvesting the Posey and Gibson plot locations.
Mycogen	MY14H95	224.8	* 20.5	
AgVenture	AV7408YHB	224.7	* 17.7	4 replications of each hybrid in Gibson Plot
Dairyland	DS7513	219.1	20.5	
Golden Harvest	G15L32-3111	216.0	20.7	Thanks to Adam Thurston and Cale Russler with Pioneer for packaging plot seed, planting four reps of each plot at their location, and harvesting the Posey and Gibson plot locations.
Mycogen	MY16M16	215.9	20.2	
Stewart	17DP387	210.2	21.1	4 replications of each hybrid in Gibson Plot
AgriGold	A6499STXRIB	187.3	19.6	

PLOT AVERAGE: 231.9 20.05

32 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/>

2018 POSEY COUNTY CORN TEST PLOT SUMMARY
NON-GMO CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	POSEY		Hybrids sorted by Yield
		AVG. YIELD	AVG. MOISTURE	
Spectrum	6244	241.5	*	16.8
Dekalb	DKC64-32	226.1	*	19.5
Golden Harvest	G12W66	225.0	*	16.9
Beck's	6365PQ	224.2	*	17.1
Beck's	6225PQ	223.1	*	18.9
Golden Harvest	G10T63	222.3	*	17.3
Augusta	5062	220.4	*	19.1
Augusta	1064	220.2	*	17.7
Pioneer	P1197	218.3		17.4
Dekalb	DKC64-85	217.7		17.8
Agrigold	A6501	217.7		18.3
Spectrum	6115	217.2		16.6
Dekalb	DKC62-06	212.5		17.1
Agrigold	A6499	209.4		18.4
MCC White Genetics (Steyer)	T1122JW	208.5		18.6
Golden Harvest	G07F23	199.4		17.6
Beck's	6589PQ	197.3		19.1
Augusta	5065	194.5		19.4
MCC White Genetics (Steyer)	T1135JW	194.3		20.7
Spectrum	6334	192.8		17.2
Agrigold	A645-10	187.9		19.4
MCC White Genetics (Steyer)	T1137JW	164.2		19.8
PLOT AVERAGE:		210.6		18.21

LSD for Posey Plot YIELD is: 22.36 (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

YIELD followed by an asterisk (*) is not significantly different from the highest yield

PLOT INFORMATION

Planted: 5/11/18

Harvested: 9/23/18

4 replications of each hybrid in Posey Plot

Thanks to Adam Thurston and Cale Russler with Pioneer for packaging plot seed, planting four reps of each plot at their location, and harvesting the Posey and Gibson plot locations.

22 hybrids

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

2018 GIBSON COUNTY CORN TEST PLOT SUMMARY
NON-GMO CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON		Hybrids sorted by Yield
		AVG. YIELD	AVG. MOISTURE	
Pioneer	P1197	257.8	*	18.5
Golden Harvest	G10T63	253.7	*	18.6
Spectrum	6115	251.0	*	19.3
Dekalb	DKC64-32	241.9	*	19.5
Augusta	5062	241.2	*	20.2
Golden Harvest	G12W66	241.1	*	18.9
Agrigold	A645-10	241.0	*	20.1
Spectrum	6244	237.9	*	18.5
Augusta	1064	237.7	*	19.5
Spectrum	6334	235.5		19.8
Beck's	6225PQ	232.2		20.4
Beck's	6365PQ	232.0		18.7
Golden Harvest	G07F23	230.7		18.8
MCC White Genetics (Steyer)	T1122JW	229.5		18.8
Beck's	6589PQ	228.9		20.3
Dekalb	DKC64-85	224.5		18.5
Augusta	5065	223.9		20.8
Agrigold	A6501	219.6		20.7
Dekalb	DKC62-06	218.4		18.0
Agrigold	A6499	216.8		19.1
MCC White Genetics (Steyer)	T1135JW	215.0		21.7
MCC White Genetics (Steyer)	T1137JW	201.95		20.7

LSD for Gibson Plot YIELD is: 21.01 (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

YIELD followed by an asterisk (*) is not significantly different from the highest yield

4 replications of each hybrid in Gibson Plot

PLOT INFORMATION

Planted: April 28, 2018

Harvested: September 13, 2018

Thanks to Adam Thurston and Cale Russler with Pioneer for packaging plot seed, planting four reps of each plot at their location, and harvesting the Posey and Gibson plot locations.

PLOT AVERAGE: 232.4 19.51

21 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:
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