

2020 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 Corteva 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. Each plot was 4 rows 17.5 feet long with 3 replicates, harvest the middle 2. All locations were high-yield locations. One Non-GMO variety had 3 good replicates in the Posey plot but only one in the Gibson plot (due to early season water stress), resulting in lack of data for that plot.

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	NuTech	Barrett Ranes	(270) 635-5185
DeKalb Seed	Matt Parmer	(812) 202-1807	Pioneer Hybrids	Emily Seib	(812) 202-5677
Golden Harvest	Tawny Chesser	(812) 486-6939	Stewart Seeds	Brian Denning	(812) 455-7346
DKD Genetics	Dan Dorney	(812) 249-3225	ProHarvest Seeds	Tom Forrest	(309) 530-3983

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.

Hans Schmitz, Extension Educator
Purdue Extension, Posey County
126 E. Third St., Room 29
Mt. Vernon, IN 47620-1876
(812) 838-1331
hschmitz@purdue.edu

2020 POSEY & GIBSON COUNTY CORN TEST PLOT SUMMARY

RR READY CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON		POSEY		
		AVG. YIELD	*	AVG. YIELD	*	
Agrigold	A6544VT2RIB	245.7	*	260.6	*	Hybrids listed in alphabetical order by Company name
Agrigold	A642-59VT2RIB	243.8	*	253.9	‡	LSD for Gibson Plot YIELD is: 22.79 bu. (Alpha = .05)
Agrigold	A6572VT2RIB	233.8	*	235.5		LSD for Posey Plot YIELD is: 13.74 bu. (Alpha = .05)
Augusta	A4858	231.4	*	237.8		
Augusta	A4463	230.5	*	225.0		Any pairwise comparison is appropriate.
Augusta	A1259	204.8		207.1		
Beck's	6622AM	234.4	*	243.9		LSD is "Least Significant Difference"
Beck's	6374V2P	222.6		239.5		
Beck's	6557V2P	212.7		233.0		
Dekalb	DKC66-18RIB	237.1	*	251.5	*	YIELD followed by an asterisk (*) is not significantly different from the highest yield
Dekalb	DKC64-65RIB	233.7	*	241.0		
Dekalb	DKC67-37RIB	225.0	*	239.4		
DKD GENETICS	PB8333GT3000	221.0		236.6		3 replications of each hybrid in Gibson Plot
DKD GENETICS	PB8071VIP3110	202.9		219.4		3 replications of each hybrid in Posey Plot
DKD GENETICS	PB7714VIP3111	172.2		203.0		
Golden Harvest	G10D21-3330	224.7	*	219.3		
Golden Harvest	G10 L16-3330A	215.6		217.8		PLOT INFORMATION
Golden Harvest	G14N11-5222	213.7		213.9		
LG	5643	242.9	*	261.0	*	See individual County Summary
LG	59C72	207.7		230.6		This Summary aggregates both county's data.
LG	62C35	203.2		229.1		
NuTech	74B6	234.6	*	251.6	*	Thanks to Corteva for packaging plot seed, planting three
NuTech	78A1	224.9	*	250.6	*	reps of each plot at their location, and harvesting the Posey
NuTech	75G1	221.6		239.2		and Gibson plot locations.
Pioneer	P1464AML	234.5	*	245.8		
Pioneer	P1380AM	219.5		242.7		
Pioneer	P1077AM	208.3		235.8		
ProHarvest	8360	244.3	*	260.0	*	
ProHarvest	8404	223.0	*	251.0	*	
ProHarvest	85P90	222.7		249.9	*	For questions or additional information, contact Hans
Stewart	13DD360	237.7	*	257.5	*	Schmitz at Purdue Extension, Posey County at:
Stewart	15DP519	232.3	*	249.2	*	hschmitz@purdue.edu or (812) 838-1331.
Stewart	14DD339	223.5	*	243.0		
PLOT AVERAGE:		223.8		238.6		

33 hybrids

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

2020 POSEY & GIBSON COUNTY CORN TEST PLOT SUMMARY
NON-GMO CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON	POSEY	Hybrids listed in alphabetical order by Company name
		AVG. YIELD	AVG. YIELD	
Agrigold	A645-80	244.0 *	250.9 *	LSD for Gibson Plot YIELD is: 18.75 (Alpha = .05)
Agrigold	A6572	231.6	233.7	
Agrigold	A643-41	227.1	223.3	LSD for Posey Plot YIELD is: 14.56 (Alpha = .05)
Augusta	A5162	231.6	236.7	
Augusta	A5062	No Data	214.7	Any pairwise comparison is appropriate.
Augusta	A1058	202.9	198.1	
Beck's	6774PQ	238.5 *	237.6	LSD is "Least Significant Difference"
Beck's	6589PQ	226.1	236.4	
Beck's	6282PQ	222.2	235.9	YIELD followed by an asterisk (*) is not significantly different from the highest yield
Dekalb	DKC64-32	240.2 *	239.8	
Dekalb	DKC60-84	225.8	238.4	3 replications of each hybrid in Gibson Plot
Dekalb	DKC62-51	224.4	225.2	
DKD GENETICS	PB8335	228.7	236.7	3 replications of each hybrid in Posey Plot
DKD GENETICS	PB8600	226.1	236.6	
DKD GENETICS	PB8333	221.7	235.9	YIELD followed by an asterisk (*) is not significantly different from the highest yield
Golden Harvest	G14R38	239.2 *	232.0	
Golden Harvest	G11A33	220.6	224.1	<u>PLOT INFORMATION</u>
LG	5650	230.1	239.4	
LG	63C04	229.6	236.5	See individual County Summary
LG	59C46	207.9	223.0	
MCC White Genetics (Steyer)	T1135J-W	215.5	238.9	This summary aggregates both county's data.
MCC White Genetics (Steyer)	T1134J-W	211.9	227.1	
MCC White Genetics (Steyer)	T1123J-W	199.6	225.4	Thanks to Corteva for packaging plot seed, planting three reps of each plot at their location, and harvesting the Posey and Gibson plot locations.
Stewart Seeds	17CV387	252.3 *	257.1 *	
Stewart Seeds	14CV339	229.3	243.1 *	

PLOT AVERAGE: 226.1 233.1

24 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/>

2020 POSEY COUNTY CORN TEST PLOT
RR READY CORN HYBRIDS

COMPANY	HYBRID	POSEY		Hybrids sorted by Yield
		AVG. YIELD	AVG. MOISTURE	
LG	5643	261.0	*	23.7
Agrigold	A6544VT2RIB	260.6	*	23.8
ProHarvest	8360	260.0	*	24.1
Stewart	15DP519	257.5	*	24.3
Agrigold	A6572VT2RIB	253.9	*	24.5
NuTech	75G1	251.6	*	25.6
Dekalb	DKC67-37RIB	251.5	*	25.6
ProHarvest	8404	251.0	*	25.1
NuTech	78A1	250.6	*	25.3
ProHarvest	85P90	249.9	*	25.4
Stewart	14DD339	249.2	*	24.7
Pioneer	P1380AM	245.8		23.4
Beck's	6622AM	243.9		24.2
Stewart	13DD360	243.0		21.9
Pioneer	P1464AML	242.7		24.3
Dekalb	DKC66-18RIB	241.0		24.2
Beck's	6557V2P	239.5		24.3
Dekalb	DKC64-65RIB	239.4		23.4
NuTech	74B6	239.2		23.5
Augusta	A4463	237.8		22.3
DKD GENETICS	PB8333GT3000	236.6		24.4
Pioneer	P1077AM	235.8		22.4
Agrigold	A642-59VT2RIB	235.5		23.2
Beck's	6374V2P	233.0		22.7
LG	59C72	230.6		21.0
LG	62C35	229.1		23.3
Augusta	A4858	225.0		21.9
DKD GENETICS	PB8071VIP3110	219.4		21.6
Golden Harvest	G14N11-5222	219.3		24.1
Golden Harvest	G10 L16-3330A	217.8		21.7
Golden Harvest	G10D21-3330	213.9		21.2
Augusta	A1259	207.1		20.8
DKD GENETICS	PB7714VIP3111	203.0		21.0

Coefficient of Variation is 3.53
 LSD for Posey Plot YIELD is 13.74 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: 5/2/2020
 Harvested: 9/17/2020

3 replications of each hybrid in Posey Plot

Thanks to Corteva for packaging plot seed, planting three 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: 238.6 23.4

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

2020 GIBSON COUNTY CORN TEST PLOT SUMMARY
RR READY CORN HYBRIDS

		GIBSON		
COMPANY	HYBRID	AVG.	AVG.	
NAME	NUMBER	YIELD	MOISTURE	
AgriGold	A6544VT2RIB	245.7 *	22.4	Hybrids sorted by Yield
ProHarvest	8360	244.3 *	24.1	LSD for Gibson Plot YIELD is: 22.79 (Alpha = .05)
AgriGold	A642-59VT2RIB	243.8 *	22.4	Coefficient of Variation is 6.24
LG	5643	242.9 *	24.1	
Stewart	13DD360	237.7 *	25.5	Any pairwise comparison is appropriate.
Dekalb	DKC66-18RIB	237.1 *	23.2	
NuTech	74B6	234.6 *	21.6	LSD is "Least Significant Difference"
Pioneer	P1464AML	234.5 *	22.9	
Beck's	6622AM	234.4 *	24.8	
AgriGold	A6572VT2RIB	233.8 *	22.3	YIELD followed by an asterisk (*) is
Dekalb	DKC64-65RIB	233.7 *	24.3	not significantly different from the highest yield
Stewart	15DP519	232.3 *	23.1	
Augusta	A4858	231.4 *	24.4	
Augusta	A4463	230.5 *	20.8	
Dekalb	DKC67-37RIB	225.0 *	24.7	
NuTech	78A1	224.9 *	25.6	
Golden Harvest	G10D21-3330	224.7 *	25.2	PLOT INFORMATION
Stewart	14DD339	223.5 *	22.3	
ProHarvest	8404	223.0 *	24.5	Planted: 5/4/2020
ProHarvest	85P90	222.7	24.0	Harvested: 9/19/2020
Beck's	6374V2P	222.6	20.3	
NuTech	75G1	221.6	21.6	
DKD GENETICS	PB8333GT3000	221.0	21.1	
Pioneer	P1380AM	219.5	21.3	
Golden Harvest	G10 L16-3330A	215.6	19.6	3 replications of each hybrid in Gibson Plot
Golden Harvest	G14N11-5222	213.7	19.9	
Beck's	6557V2P	212.7	23.1	
Pioneer	P1077AM	208.3	24.3	Thanks to Corteva for packaging plot seed, planting three
LG	59C72	207.7	23.3	reps of each plot at their location, and harvesting the Posey
Augusta	A1259	204.8	21.8	and Gibson plot locations.
LG	62C35	203.2	19.7	
DKD GENETICS	PB8071VIP3110	202.9	20.6	
DKD GENETICS	PB7714VIP3111	172.2	23.3	

PLOT AVERAGE: **223.8** **22.80**

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/>

2020 POSEY COUNTY CORN TEST PLOT SUMMARY
NON-GMO CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	POSEY			
		AVG. YIELD	AVG. MOISTURE		
Stewart Seeds	17CV387	257.1	*	25.1	Hybrids sorted by Yield
Agrigold	A645-80	250.9	*	24.4	Coefficient of Variation is 3.80
Stewart Seeds	14CV339	243.1	*	24.9	LSD for Posey Plot YIELD is: 14.56 (Alpha = .05)
Dekalb	DKC64-32	239.8		24.3	
LG	5650	239.4		24.6	Any pairwise comparison is appropriate.
MCC White Genetics (Steyer)	T1135J-W	238.9		25.2	
Dekalb	DKC60-84	238.4		23.5	LSD is "Least Significant Difference"
Beck's	6774PQ	237.6		25.9	
Augusta	A5162	236.7		22.1	YIELD followed by an asterisk (*) is
DKD GENETICS	PB8335	236.7		21.8	not significantly different from the highest yield
DKD GENETICS	PB8600	236.6		26.2	
LG	63C04	236.5		23.6	PLOT INFORMATION
Beck's	6589PQ	236.4		24.7	Planted: 5/2/2020
Beck's	6282PQ	235.9		23.6	Harvested: 9/17/2020
DKD GENETICS	PB8333	235.9		23.7	
Agrigold	A6572	233.7		24.1	3 replications of each hybrid in Posey Plot
Golden Harvest	G14R38	232.0		23.9	
MCC White Genetics (Steyer)	T1134J-W	227.1		24.7	
MCC White Genetics (Steyer)	T1123J-W	225.4		23.5	
Dekalb	DKC62-51	225.2		22.0	
Golden Harvest	G11A33	224.1		23.6	Thanks to Corteva for packaging plot seed, planting
Agrigold	A643-41	223.3		23.0	three reps of each plot at their location, and harvesting
LG	59C46	223		22.6	the Posey and Gibson plot locations.
Augusta	A5062	214.7		24.3	
Augusta	A1058	198.1		17.6	
Plot Average:		233.1		23.7	

25 hybrids

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

2020 GIBSON COUNTY CORN TEST PLOT SUMMARY
NON-GMO CORN HYBRIDS

		GIBSON		
COMPANY	HYBRID	AVG.	AVG.	Hybrids sorted by Yield
NAME	NUMBER	YIELD	MOISTURE	
Stewart Seeds	17CV387	252.3	* 23.9	LSD for Gibson Plot YIELD is: 18.75 (Alpha = .05)
AgriGold	A645-80	244.0	* 22.7	
Dekalb	DKC64-32	240.2	* 21.5	Coefficient of Variation is 5.05.
Golden Harvest	G14R38	239.2	* 22.5	
Beck's	6774PQ	238.5	* 23.8	Any pairwise comparison is appropriate.
Augusta	A5162	231.6	20.3	
AgriGold	A643-41	231.6	21.4	LSD is "Least Significant Difference"
LG	63C04	230.1	21.4	
LG	5650	229.6	22.5	
Stewart Seeds	14CV339	229.3	22.5	YIELD followed by an asterisk (*) is
DKD GENETICS	PB8335	228.7	20.1	not significantly different from the highest yield
AgriGold	A6572	227.1	23.2	
Beck's	6282PQ	226.1	22.3	3 replications of each hybrid in Gibson Plot
DKD GENETICS	PB8600	226.1	25.7	
Dekalb	DKC62-51	225.8	20.4	<u>PLOT INFORMATION</u>
Dekalb	DKC60-84	224.4	21.5	
Beck's	6589PQ	222.2	23.5	Planted: 5/4/2020
DKD GENETICS	PB8333	221.7	22.2	Harvested: 9/19/2020
Golden Harvest	G11A33	220.6	21.5	
MCC White Genetics (Steyer)	T1135J-W	215.5	23.9	
MCC White Genetics (Steyer)	T1134J-W	211.9	22.8	Thanks to Corteva for packaging plot seed, planting three
LG	59C46	207.9	21.2	reps of each plot at their location, and harvesting the Posey and
Augusta	A1058	202.9	18.4	Gibson plot locations.
MCC White Genetics (Steyer)	T1123J-W	199.6	21.1	
	Average	226.1	22.1	

24 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/>