PURDUE UNIVERSITY COOPERATIVE EXTENSION SERVICE

2016 PURDUE EXTENSION, POSEY & GIBSON COUNTY CORN PLOTS SUMMARY

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

Thanks to Bryan Welte and Agreliant Genetics LLC for all their help in packaging, planting,harvesting and analysis of the Gibson & Posey County locations for the Corn Hybrid Yield Trials. They were given the hybrids in plain, numbered packages, that they then re-packaged and randomized for planting in both the Posey and Gibson County locations.

Thanks to Dan and Alan Bender Farm for allowing us to conduct the test plots on their farm in Posey County. They also provided tillage, spraying, fertilizer application and more for the plots when needed.

Below are comments regarding the plots:

2016 was a challenging year, at least with getting corn planted on a timely basis, because of the rain. Both plots weren't planted until late May, and even with that, the Posey plot was rained out before we could finish planting the white corn hybrids. As a result, the Gibson County location is the only one listed for the white corn hybrids.

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:

SEED COMPANY	NAME	PHONE #	SEED COMPANY	NAME	PHONE #
AgriGold Hybrids	Justin Warren	(618) 943-5776	Golden Harvest	Tawny Chesser	(812) 486-6939
Augusta Seed	Matt Rawley	(540) 886-6055	Great Lakes Hybrids	Jim Jackson	(812) 343-6127
Baker Seed	Dan Dorney	(812) 249-3225	LG Seeds	Dan Mitchell	(812) 457-3232
Beck's Hybrids	Kurt Karch	(812) 483-4635	Mycogen Seeds	Ellen Adler	(812) 453-9796
Burrus Seed	Matt Montgomery	(309) 657-0328	Pioneer Hybrids	Glen Reisinger	(812) 459-7138
Channel Seed	Justin Jones	(757) 784-6157	Seed Consultants, Inc.	Bill Mullen	(740) 505-2022
Dairyland Seed	Tom Forrest	(309) 530-3983	Stewart Seeds	Jim Durchholz	(812) 453-1746
DeKalb Seed	Matt Parmer	(812) 202-1807	Steyer Seeds	Clate Jones	(419) 355-6708
Dyna-Gro (CPS)	Brian Sims	(812) 646-5157	Sun Prairie	Kyle Vosburgh	(618) 697-7031

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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PURDUE UNIVERSITY COOPERATIVE EXTENSION SERVICE

2016 POSEY & GIBSON COUNTY CORN TEST PLOT SUMMARY

RR READY CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON AVG. YIELD		POSEY AVG. YIELD	
Agrigold	A6499VT2RIB	130.5		132.0	
Agrigold	A6544VT2PRO	197.4	*	137.2	
Agrigold	A6579STX	176.5		138.5	
Augusta	5062 Avicta	169.1		140.9	
Augusta	7767 VT2	184.6		156.4	
Augusta	7768 GT 3110	170.2		173.9	*
Baker	B1318GT3000	188.9	*	153.7	
Baker	B1395GT3000	177.0		131.5	
Baker	B1643GT	165.6		162.8	
Beck's	6225 HR	183.4		141.0	
Beck's	6365AM	183.7		137.2	
Beck's	6589V2P	161.4		153.4	
Burrus	Catalyst 7577 3010	173.6		150.9	
Burrus	PP 5K33 AM	185.3		141.2	
Burrus	PP 6P73 AM	202.2	*	135.1	
Channel	216-36	185.2		139.8	
Channel	217-41	162.6		135.1	
Channel	217-92	152.1		135.3	
Dairyland	DS 9110	153.8		133.9	
Dairyland	DS9412	184.8		139.9	
Dairyland	DS9513	172.9		133.2	
Dekalb	DKC64-89RIB	190.4	*	133.8	
Dekalb	DKC66-59RIB	162.6		136.3	
Dekalb	DKC67-42RIB	194.2	*	148.2	
Dyna-Gro	D52VC91Rib	145.8		141.3	
Dyna-Gro	D54VC52Rib	191.5	*	144.7	
Dyna-Gro	D56VC46Rib	177.9		141.4	
Golden Harvest	G11F16-3111A	174.7		140.5	
Golden Harvest	G14Y81-3010	187.0		139.7	
Golden Harvest	G18D87-3000GT	215.1	*	165.9	
Great Lakes	6185STXRIB	172.3		144.0	
Great Lakes	6259VT2RIB	133.7		132.4	
Great Lakes	6462STXRIB	164.3	*	138.8	
LG Seeds	5643 VT2Pro	188.2		135.8	
LG Seeds	5650VT2PRORIB	190.4	*	134.7	
LG Seeds	5663VT2PRORIB	167.3		142.2	
Mycogen	2C799	180.6		137.0	
Mycogen	MY11C27RA	164.3		142.1	
Mycogen	MY12G38	165.1		139.9	
Pioneer	1197AM	185.4		129.9	
Pioneer	1479AM	154.8		137.4	
Pioneer	1646AM	161.7		140.4	
Seed Consultants	1136YHR	188.3		138.5	
Seed Consultants	11AQ15	186.0		157.2	
Seed Consultants	11HR63	146.4		145.7	
Stewart	16DP117	175.1		141.3	
Stewart	8A625RIB	185.7		141.2	
Stewart	8E663RIB	155.8		126.8	
Steyer	11306 VT2ProRibC	112.1		130.6	
Steyer	11408 VT2ProRibC	168.7		144.4	
Steyer	11506 VT2ProRibC	164.1		130.8	
SunPrairie	2797	157.3		144.6	
SunPrairie	2877	147.8		147.8	
SunPrairie	3846	156.1		153.2	
PLOT AVERAGE:		**171.7**		**141.7**	

Hybrids listed in alphabetical order by Company name

LSD for Gibson Plot YIELD is: 26.6 bu. (Alpha = .05)

LSD for Posey Plot YIELD is: 6.66 bu. (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

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

2 replications of each hybrid in Gibson Plot
3 replications of each hybrid in Posey Plot

PLOT INFORMATION

See individual County Summary

Thanks to Bryan Welte from AgReliant Genetics, LLC in Ft. Branch for packaging plot seed, planting two reps of each plot at their location, and analyzing the data for both the Posey and Gibson plot locations. He only knew the hybrids by the number we assigned; he was unaware of which hybrids was which.

Thanks to Dan and Alan Bender Farm for allowing us to conduct the Purdue Extension Test Plots on their farm in Posey County. They also provide the tillage, spraying and fertilizer to the corn plots.

Thanks to Phil Devillez of Purdue Crop Performance Program for planting and harvesting the Posey County plots. This information and the state-wide plots he conducts are available at his website at:

https://ag.purdue.edu/agry/pcpp/

For questions or additonal information, contact Jon Neufelder at Purdue Extension, Posey County at: neufelde@purdue.edu or (812) 838-1331, or Hans Schmitz at Purdue Extension, Gibson County at: hschmitz@purdue.edu or (812) 385-3491.

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

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PURDUE UNIVERSITY COOPERATIVE EXTENSION SERVICE

2016 POSEY & GIBSON COUNTY CORN TEST PLOT SUMMARY

NON-GMO CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON AVG. YIELD		POSEY AVG. YIELD	
Agrigold	A6499	192.2	*	136.0	
Agrigold	A6559	189.6	*	142.0	
Agrigold	A6574	163.1		142.8	
Augusta	5062	163.3		142.0	
Augusta	7768 CEX250	196.5	*	154.6	
Augusta	007	143.0		149.6	
Baker	B1492A	180.5	*	170.3	*
Baker	B1318	205.3	*	145.5	
Baker	B1588	149.9		142.8	
Beck's	6076PQ	139.0		135.8	
Beck's	6225PQ	174.0	*	144.5	
Beck's	6158PQ	150.2		131.5	
Dyna-Gro	51CC32	186.8	*	138.3	
Dyna-Gro	55CC77	173.9	*	138.5	
Dyna-Gro	54CC81	170.2		147.7	
Golden Harvest	G07B39-A	177.0	*	140.4	
Golden Harvest	G12J11-A	178.0	*	137.3	
Pioneer	P1345	159.1		133.2	
Pioneer	P1498	184.0	*	144.9	
Pioneer	P1602	187.8	*	137.2	
Steyer	10807	177.8	*	132.1	
Steyer	11211	177.2	*	140.1	
Steyer	11406	155.0		148.8	
PLOT AVERAGE:		**172.7**		**142.4**	

Hybrids listed in alphabetical order by Company name

LSD for Gibson Plot YIELD is: 32.7 (Alpha = .05)

LSD for Posey Plot YIELD is: 13.2 (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

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

2 replications of each hybrid in Gibson Plot
3 replications of each hybrid in Posey Plot

PLOT INFORMATION

See individual County Summary

Thanks to Bryan Welte from AgReliant Genetics, LLC in Ft. Branch for packaging plot seed, planting two reps of each plot at their location, and analyzing the data for both the Posey and Gibson plot locations. He only knew the hybrids by the number we assigned; he was unaware of which hybrids was which.

Thanks to Dan and Alan Bender Farm for allowing us to conduct the Purdue Extension Test Plots on their farm in Posey County. They also provide the tillage, spraying and fertilizer to the corn plots.

Thanks to Phil Devillez of Purdue Crop Performance Program for planting and harvesting the Posey County plots. This information and the state-wide plots he conducts are available at his website at:

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Results can also be found at:
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23 hybrids

PURDUE UNIVERSITY COOPERATIVE EXTENSION SERVICE

2016 GIBSON COUNTY CORN TEST PLOT SUMMARY

WHITE CORN HYBRIDS

GIBSON

COMPANY NAME	HYBRID NUMBER	AVG. YIELD	AVG. MOISTURE
Agrigold	A6507WB+RR	174.1 *	17.2%
Steyer	T1136JW	171.7 *	18.6%
Pioneer	1659WHR	159.8 *	18.1%
Pioneer	1306WHR	157.6 *	15.1%
Pioneer	1309WHR	156.2	16.2%
Steyer	T1140JW	152.4	19.1%
Steyer	T1142JW	144.8	18.6%

Hybrids sorted by Yield

LSD for Gibson Plot YIELD is: 17 (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

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

2 replications of each hybrid in Gibson Plot

PLOT INFORMATION

Planted: May 24, 2016
Harvested: September 19, 2016

Thanks to Bryan Welte from AgReliant Genetics, LLC in Ft. Branch for packaging plot seed, planting two reps of each plot at their location, and analyzing the data for both the Posey and Gibson plot locations. He only knew the hybrids by the number we assigned; he was unaware of which hybrids was which.

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PLOT AVERAGE:	**159.5**	**17.6%**

4 hybrids

PURDUE UNIVERSITY COOPERATIVE EXTENSION SERVICE

2016 POSEY COUNTY CORN TEST PLOT
RR READY CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	POSEY AVG. YIELD		POSEY AVG. MOISTURE
Augusta	7768 GT 3110	173.9	*	17.5%
Golden Harvest	G18D87-3000GT	165.9		25.2%
Baker	B1643GT	162.8		23.6%
Seed Consultants	11AQ15	157.2		23.7%
Augusta	7767 VT2	156.4		23.6%
Baker	B1318GT3000	153.7		23.8%
Beck's	6589V2P	153.4		19.8%
SunPrairie	3846	153.2		25.5%
Burrus	Catalyst 7577 3010	150.9		26.8%
Dekalb	DKC67-42RIB	148.2		25.0%
SunPrairie	2877	147.8		19.1%
Seed Consultants	11HR63	145.7		24.8%
Dyna-Gro	D54VC52Rib	144.7		25.5%
SunPrairie	2797	144.6		23.3%
Steyer	11408 VT2ProRibC	144.4		24.1%
Great Lakes	6185STXRIB	144.0		22.6%
LG Seeds	5663VT2PRORIB	142.2		25.0%
Mycogen	MY11C27RA	142.1		22.9%
Dyna-Gro	D56VC46Rib	141.4		24.5%
Stewart	16DP117	141.3		23.5%
Dyna-Gro	D52VC91Rib	141.3		18.7%
Stewart	8A625RIB	141.2		26.2%
Burrus	PP 5K33 AM	141.2		21.6%
Beck's	6225 HR	141.0		23.1%
Augusta	5062 Avicta	140.9		23.1%
Golden Harvest	G11F16-3111A	140.5		20.9%
Pioneer	1646AM	140.4		20.9%
Mycogen	MY12G38	139.9		21.1%
Dairyland	DS9412	139.9		22.5%
Channel	216-36	139.8		22.4%
Golden Harvest	G14Y81-3010	139.7		23.8%
Great Lakes	6462STXRIB	138.8		22.8%
Agrigold	A6579STX	138.5		24.2%
Seed Consultants	1136YHR	138.5		27.2%
Pioneer	1479AM	137.4		22.5%
Beck's	6365AM	137.2		23.9%
Agrigold	A6544VT2PRO	137.2		24.0%
Mycogen	2C799	137.0		21.9%
Dekalb	DKC66-59RIB	136.3		21.7%
LG Seeds	5643 VT2Pro	135.8		25.1%
Channel	217-92	135.3		21.5%
Channel	217-41	135.1		22.1%
Burrus	PP 6P73 AM	135.1		22.4%
LG Seeds	5650VT2PRORIB	134.7		25.1%
Dairyland	DS 9110	133.9		18.7%
Dekalb	DKC64-89RIB	133.8		22.8%
Dairyland	DS9513	133.2		21.3%
Great Lakes	6259VT2RIB	132.4		19.3%
Agrigold	A6499VT2RIB	132.0		22.0%
Baker	B1395GT3000	131.5		22.0%
Steyer	11506 VT2ProRibC	130.8		22.9%
Steyer	11306 VT2ProRibC	130.6		21.4%
Pioneer	1197AM	129.9		22.2%
Stewart	8E663RIB	126.8		21.1%
PLOT AVERAGE:		**141.7**		**22.8%**

54 hybrids

Hybrids sorted by Yield

3 replications of each hybrid in Posey Plot

LSD for Posey Plot YIELD is: 6.66 bushels (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

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

PLOT INFORMATION

Planted: May 26, 2016
Harvested: October 11, 2016

225 lbs. of N applied with anhydrous, pre-plant

Lexar EZ herbicide was applied, pre-emergent to all plots; no other herbicide used.

No fungicide applied to any of the plots.

Thanks to Dan and Alan Bender Farm for allowing us to conduct the Purdue Extension Test Plots on their farm in Posey County. They also provide the tillage, spraying and fertilizer to the corn plots.

Thanks to Phil Devillez of Purdue Crop Performance Program for planting and harvesting the Posey County plots. This information and the state-wide plots he conducts are available at his website at:

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2016 GIBSON COUNTY CORN TEST PLOT SUMMARY

RR READY CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON AVG. YIELD		GIBSON AVG. MOISTURE
Golden Harvest	G18D87-3000GT	215.1	*	21.2%
Burrus	PP 6P73 AM	202.2	*	15.0%
Agrigold	A6544VT2PRO	197.4	*	16.2%
Dekalb	DKC67-42RIB	194.2	*	18.1%
Dyna-Gro	D54VC52Rib	191.5	*	16.0%
Dekalb	DKC64-89RIB	190.4	*	14.8%
LG Seeds	5650VT2PRORIB	190.4	*	15.3%
Baker	B1318GT3000	188.9	*	18.5%
Seed Consultants	1136YHR	188.3		17.0%
LG Seeds	5643 VT2Pro	188.2		17.2%
Golden Harvest	G14Y81-3010	187.0		15.4%
Seed Consultants	11AQ15	186.0		19.9%
Stewart	8A625RIB	185.7		17.4%
Pioneer	1197AM	185.4		14.6%
Burrus	PP 5K33 AM	185.3		15.1%
Channel	216-36	185.2		15.3%
Dairyland	DS9412	184.8		15.9%
Augusta	7767 VT2	184.6		19.1%
Beck's	6365AM	183.7		16.0%
Beck's	6225 HR	183.4		16.6%
Mycogen	2C799	180.6		17.2%
Dyna-Gro	D56VC46Rib	177.9		17.4%
Baker	B1395GT3000	177.0		14.3%
Agrigold	A6579STX	176.5		14.7%
Stewart	16DP117	175.1		15.3%
Golden Harvest	G11F16-3111A	174.7		14.0%
Burrus	Catalyst 7577 3010	173.6		17.7%
Dairyland	DS9513	172.9		14.8%
Great Lakes	6185STXRIB	172.3		17.1%
Augusta	7768 GT 3110	170.2		19.5%
Augusta	5062 Avicta	169.1		15.7%
Steyer	11408 VT2ProRibC	168.7		16.9%
LG Seeds	5663VT2PRORIB	167.3		15.6%
Baker	B1643GT	165.6		19.1%
Mycogen	MY12G38	165.1		15.0%
Great Lakes	6462STXRIB	164.3		17.5%
Mycogen	MY11C27RA	164.3		15.8%
Steyer	11506 VT2ProRibC	164.1		14.1%
Dekalb	DKC66-59RIB	162.6		14.3%
Channel	217-41	162.6		13.9%
Pioneer	1646AM	161.7		15.2%
Beck's	6589V2P	161.4		16.3%
SunPrairie	2797	157.3		15.1%
SunPrairie	3846	156.1		19.5%
Stewart	8E663RIB	155.8		13.8%
Pioneer	1479AM	154.8		15.5%
Dairyland	DS 9110	153.8		13.7%
Channel	217-92	152.1		14.3%
SunPrairie	2877	147.8		15.4%
Seed Consultants	11HR63	146.4		17.6%
Dyna-Gro	D52VC91Rib	145.8		14.9%
Great Lakes	6259VT2RIB	133.7		13.7%
Agrigold	A6499VT2RIB	130.5		14.6%
Steyer	11306 VT2ProRibC	112.1		13.8%
PLOT AVERAGE:		**171.7**		**16.1%**

54 hybrids

Hybrids sorted by Yield

LSD for Gibson Plot YIELD is: 26.6 (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

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

PLOT INFORMATION

Planted: May 24, 2016
Harvested: September 19, 2016

2 replications of each hybrid in Gibson Plot

Thanks to Bryan Welte from AgReliant Genetics, LLC in Ft. Branch for packaging plot seed, planting two reps of each plot at their location, and analyzing the data for both the Posey and Gibson plot locations. He only knew the hybrids by the number we assigned; he was unaware of which hybrids was which.

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PURDUE UNIVERSITY COOPERATIVE EXTENSION SERVICE

2016 POSEY COUNTY CORN TEST PLOT SUMMARY

NON-GMO CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	POSEY AVG. YIELD		POSEY AVG. MOISTURE
Baker	B1492A	170.3	*	22.6%
Augusta	7768 CEX250	154.6		22.3%
Augusta	007	149.6		24.3%
Steyer	11406	148.8		23.9%
Dyna-Gro	54CC81	147.7		24.6%
Baker	B1318	145.5		22.1%
Pioneer	P1498	144.9		23.1%
Beck's	6225PQ	144.5		20.0%
Agrigold	A6574	142.8		22.0%
Baker	B1588	142.8		25.8%
Agrigold	A6559	142.0		24.2%
Augusta	5062	142.0		25.0%
Golden Harvest	G07B39-A	140.4		22.7%
Steyer	11211	140.1		23.0%
Dyna-Gro	55CC77	138.5		21.9%
Dyna-Gro	51CC32	138.3		23.2%
Golden Harvest	G12J11-A	137.3		19.7%
Pioneer	P1602	137.2		23.8%
Agrigold	A6499	136.0		20.3%
Beck's	6076PQ	135.8		22.2%
Pioneer	P1345	133.2		20.3%
Steyer	10807	132.1		24.2%
Beck's	6158PQ	131.5		22.1%
PLOT AVERAGE:		**142.4**		**22.8%**

23 hybrids

Hybrids sorted by Yield

3 replications of each hybrid in Posey Plot

LSD for Posey Plot YIELD is: 13.2 (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

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

PLOT INFORMATION

Planted: May 26, 2016

Harvested: October 11, 2016

225 lbs. of N applied with anhydrous, pre-plant

Lexar EZ herbicide was applied, pre-emergent to all plots; no other herbicide used.

No fungicide applied to any of the plots.

Thanks to Dan and Alan Bender Farm for allowing us to conduct the Purdue Extension Test Plots on their farm in Posey County. They also provide the tillage, spraying and fertilizer to the corn plots.

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2016 GIBSON COUNTY CORN TEST PLOT SUMMARY

NON-GMO CORN HYBRIDS

COMPANY NAME	HYBRID NUMBER	GIBSON AVG. YIELD		GIBSON AVG. MOISTURE
Baker	B1318	205.3	*	16.2%
Augusta	7768 CEX250	196.5	*	20.6%
Agrigold	A6499	192.2	*	13.8%
Agrigold	A6559	189.6	*	15.7%
Pioneer	P1602	187.8	*	16.4%
Dyna-Gro	51CC32	186.8	*	16.5%
Pioneer	P1498	184.0	*	17.8%
Baker	B1492A	180.5	*	19.7%
Golden Harvest	G12J11-A	178.0	*	14.5%
Steyer	10807	177.8	*	14.4%
Steyer	11211	177.2	*	16.2%
Golden Harvest	G07B39-A	177.0	*	14.6%
Beck's	6225PQ	174.0	*	14.5%
Dyna-Gro	55CC77	173.9	*	14.3%
Dyna-Gro	54CC81	170.2		16.8%
Augusta	5062	163.3		17.4%
Agrigold	A6574	163.1		14.2%
Pioneer	P1345	159.1		14.3%
Steyer	11406	155.0		14.9%
Beck's	6158PQ	150.2		14.2%
Baker	B1588	149.9		16.2%
Augusta	007	143.0		16.0%
Beck's	6076PQ	139.0		14.0%
PLOT AVERAGE:		**172.7**		**15.8%**

23 hybrids

Hybrids sorted by Yield

LSD for Gibson Plot YIELD is: 32.7 (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

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

2 replications of each hybrid in Gibson Plot

PLOT INFORMATION

Planted: May 24, 2016
Harvested: September 19, 2016

Thanks to Bryan Welte from AgReliant Genetics, LLC in Ft. Branch for packaging plot seed, planting two reps of each plot at their location, and analyzing the data for both the Posey and Gibson plot locations. He only knew the hybrids by the number we assigned; he was unaware of which hybrids was which.

For questions or additonal information, contact Jon Neufelder at Purdue Extension, Posey County at: neufelde@purdue.edu or (812) 838-1331, or Hans Schmitz at Purdue Extension, Gibson County at: hschmitz@purdue.edu or (812) 385-3491.

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