PURDUE UNIVERSITY

PURDUE UNIVERSITY COOPERATIVE EXTENSION SERVICE

2013 GIBSON COUNTY CORN TEST PLOT RESULTS

NON-GMO CORN HYBRIDS

(SORTED ALPHABETICALLY BY COMPANY NAME)

COMPANY NAME	HYBRID NUMBER	AVG. YIELD		AVG. % MOIST.
AGRIGOLD	**A6533**	207.4		14.0
AGRIGOLD	A6478	206.7		15.2
AGRIGOLD	A6573	232.0	*	14.6
BAKER	B1318	220.9	*	15.5
BAKER	**B1492**	194.7		15.2
BAKER	**B1588**	206.0		16.8
BECK'S	6272	213.1		15.4
BECK'S	6543	239.9	*	15.9
BECK'S	**6175**	211.4		15.4
DAIRYLAND SEED	1013	224.2	*	14.8
DAIRYLAND SEED	**1809**	193.6		13.7
DEKALB	DKC65-18	204.7		15.7
GOLDEN HARVEST	G09C43	196.4		15.1
GOLDEN HARVEST	G15299	220.5	*	18.5
GREAT HEART SEED	**HT-7261**	219.5		15.5
GREAT HEART SEED	HT-120	198.6		14.4
GREAT HEART SEED	**HT-377**	190.8		17.2
LG SEEDS	2636	237.4	*	14.4
LG SEEDS	**2578**	190.7		15.3
LG SEEDS	**2620**	220.7	*	13.9
MASTERS CHOICE	MC6020	216.6		17.8
MASTERS CHOICE	MC6470	210.7		15.1
MASTERS CHOICE	MC630	197.9		16.5
PIONEER	**P1184**	205.2		15.6
PIONEER	P1319	212.7		15.3
PIONEER	P1498	217.8		16.2
SPECIALTY GRAINS, INC.	SGI 707-A	109.2		12.9
STEYER	**11406**	217.4		15.4
STEYER	11102	221.8	*	17.3
STEYER	1156	188.4		17.2

LSD for YIELD is 19.9 bu.

Any pairwise comparison is appropriate.

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

LSD is "Least Significant Difference"

Average yield for the plot is 207.5 bu/acre

Average moisture for the plot is 15.5%

PLOT INFORMATION

Planted: May 30, 2013

Population: 33,000

Harvested: October 29, 2013

4 replications of each hybrid

Thanks to Bryan Welte, Yield Trial Manager at AgReliant Genetics, LLC in Ft. Branch for counting, packaging, planting, harvesting & compiling the plot data for the Gibson County location.

Bolded hybrids were also in 2012 Plot

For more information, contact:
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2013 PURDUE EXTENSION, POSEY & GIBSON COUNTY CORN PLOTS

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

Special "thanks" to Marvin and Ruth Redman in Posey County for being the cooperators for the corn and soybean test plots for the past 41 years, as well as, for all the help they give to make the plots and the field days a success!

Also want to thank AgReliant, LLC in Gibson County for packaging, planting, harvesting and evaluating the Gibson County location for the Corn Hybrids Trial. Also thanks to Phil DeVillez, Director of Purdue Crop Performance Program at Purdue University for planting, harvesting and analyzing the Posey County Corn plot results.

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	Matt Michel	(812) 632-0379	Great Lakes Hybrids	Phil Brunner	(317) 440-0572
Baker Seed	Dan Dorney	(812) 249-3225	LG Seeds	Dan Mitchell	(812) 457-3132
Beck's Hybrids	Gene Hagedorn	(812) 453-3581	Master Choice	Kevin Koone	(618) 833-6552
Burrus Seed	Matt Montgomery	(309) 657-0328	Mycogen Seeds	Ellen Adler	(812) 453-9796
Channel Seeds	Taylor Shipp	(615) 351-4438	NK Seeds	David Larew	(812) 480-7287
Croplan Genetics	Jediah French	(812) 608-1380	Pioneer Hybrids	Glen Reisinger	(812) 459-7138
Dairyland Seed	Tom Forrest	(309) 530-3983	Seed Consultants, Inc.	Bill Mullen	(740) 505-2022
DeKalb Seed (Monsanto)	Matt Parmer	(812) 202-1807	Specialty Grains, Inc.	John Trewartha	(217) 784-4400
Dyna Gro (CPS)	Josh Kohlmeyer	(812) 664-3222	Stewart Seeds	Brian Denning	(812) 455-7346
Golden Harvest	Tawny Chesser	(812) 486-6939	Steyer Seeds	Tom Jones	(419) 355-6708
Great Heart Seed	Mark Kinsey	(765) 592-1773			

Understanding the LSD
(Least Significant Difference)

The least significant difference (LSD) listed for the data should be used to determine if the difference between varieties/hybrids is due to performance differences or random chance. The plot data was calculated and analyzed with alpha set to 0.20. This means that if the difference in yield between two varieties/hybrids were equal to or greater than the listed LSD, there is only a 20% chance that the yield difference is due to random chance and not due to differences in the yield capacity of the individual varieties or hybrids. Or stated another way, the difference would likely be due to variety/hybrid differences in 8 out of 10 instances (80%) when the two are evaluated under conditions like those of the test. Therefore, a difference in yield between any two varieties or hybrids which is less than the listed LSD is likely due to chance. That's why the top performing varieties/hybrids that are likely different due to random chance are marked with an asterisk(*), meaning they are not significantly different from each other, even though their average yield in this plot is different.

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