

## 2017 POSEY & SPENCER COUNTY WHEAT VARIETY TRIALS

Attached are the results from the Posey and Spencer County (planted in Knox Co. this year at the Purdue Southwest Ag. Center (SWPAC) in Knox County), Purdue Extension Wheat Variety Trials. We want to express our appreciation to our Cooperators: Dan and Alan Bender in Posey County and Farm Manager, Dennis Nowaski in Knox County for their patience and cooperation in allowing us to conduct these wheat trials on their farms. If you have any questions about either of these plots, don't hesitate to contact us (our information is listed below).

**NOTES:** The Posey County plot was planted right after the "fly free date" on October 19th. The "Spencer County" plot was not planted until November 8th in Knox County, due to a problem with finding a cooperator. However, the later than normal planting date did not appear to hurt yield significantly, and may have even helped the plot avoid freeze injury. Some of the varieties in the Posey plot did suffer some significant freeze injury and exhibited increased lodging and death to the main plant; relying on tillers to make up a large portion of their yield. We've indicated this in the attached results by averaging the lodging scores on the 4 replications and indicating the frequency of lodging (number of plots in the 4 reps, exhibiting lodging). Special thanks to Dr. Chuck Mansfield for his help throughout the year, scouting the plots and rating the lodging and heading dates for the Knox County plot, in addition to harvesting and statistical analysis for both plots. Please contact us if you would like more information about either of these plots. Thanks- Jon & Nick

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### **SEED COMPANY CONTACTS**

Thanks to the following companies and representatives for providing the seed and plot fees used to conduct the Wheat Variety trials in Posey and Spencer Counties.

<b><u>COMPANY</u></b>	<b><u>NAME</u></b>	<b><u>PHONE #</u></b>
Agri MAXX Wheat Company	Dale Wehmeyer	(855) 629-9432
Baker Seeds	Debbie Baker	(618) 456-8851
Beck's	Kurt Karch	(812) 483-4635
Dyna-Gro (CPS)	Brain Sims	(812) 646-5157
Lima Grain Cereal Seeds	Ken McClintock	(309) 569-0008
Dupont Pioneer	Emily Seib	(812) 202-5677
Seed Consultants, Inc.	Matt Hutcheson	(740) 333-8644
Steyer Seeds	Joe Steyer	(419) 355-6708
Sunstar Hybrids	Bob Osborne	(574) 842-2775
Syngenta Seeds (AgriPro)	Ken Davis	(815) 953-2041

## 2017 POSEY COUNTY WHEAT PLOT

COMPANY NAME	VARIETY	TEST WEIGHT	AVG. MOIST.	AVG. YIELD	Average		<b>2017 Posey County Wheat Plot Information</b>
					Lodging Score <sup>1</sup>	# of reps w/Lodging	
AgriMAXX	446	59.0	13.8	113.0 *	0.3	1	<b>Minimum significant difference for YIELD is: 24.5 bu.</b> <b>Any pairwise comparison is appropriate.</b> <b>YIELDS followed by an asterisk (*) are not significantly different from the highest yield.</b>  <b>Coefficient of variation (for yield) is: 16.4</b> <b>Average yield for the plot is 91.3 bu/acre</b>  <b>Planting Date: 10/10/16</b> <b>Harvest Date: 6/12/17</b> <b>Fall Fertilizer: 10/6/16</b> 400 lbs. 29-55-144-9-2 (N-P-K-S-Zn lbs./A) <b>Population: 1.7 million seeds/acre</b> <b>Nitrogen Topdress: Yes</b> 3/20/17: 28% (87 lbs. of N; 13.5# S)  (Total Nitrogen/A., all sources: 116 lbs./A.) <b>Pesticides:</b> 4/28/17: Prosaro fungicide, 8 oz./A  <b>Thanks to Cooperators: Alan &amp; Dan Bender</b>  <b>Also:</b> Thanks to all of the seed companies that provided seed and fees for this year's plots! Their contact information is on the back of this sheet. Also thanks to Dr. Charles Mansfield from Purdue University at the Vincennes University campus for help with plot work & statistical analysis. I want to also recognize Area Extension Educators Amanda Mosiman, Nick Held, Val Clingerman, Maria Turner and Hans Schmitz for help with planning, planting and harvesting the plots.
Steyer Seeds	STex161	58.9	13.6	109.7 *	0.3	1	
Beck's Hybrids	128	57.3	13.8	109.1 *	0.0	0	
Sunstar Hybrids	X173	58.9	13.0	107.3 *	0.8	2	
Lima Grain	L-11418	56.9	13.2	104.0 *	1.5	2	
AgriMAXX	444	57.5	13.8	101.6 *	0.5	2	
Steyer Seeds	STex155	53.5	17.2	100.7 *	0.5	2	
Beck's Hybrids	120	56.6	13.3	100.5 *	0.8	1	
Sunstar Hybrids	X174	58.9	13.6	99.5 *	1.3	3	
Steyer Seeds	STex162	58.9	14.1	99.5 *	0.3	1	
Steyer Seeds	HAUBERT	55.9	13.8	99.2 *	0.3	1	
Baker Seeds	210S	53.5	13.3	98.9 *	0.0	0	
Seed Consultants	SC13S37™	57.8	13.7	96.9 *	0.3	1	
Sunstar Hybrids	X172	55.7	13.6	95.9 *	0.3	1	
Dyna-Gro	DG 9750	56.9	13.4	94.1 *	0.0	0	
Sunstar Hybrids	X171	58.7	14.3	93.7 *	0.8	2	
AgriMAXX	454	57.6	13.7	93.4 *	0.5	1	
Pioneer Brand	25R50	58.6	13.3	93.2 *	0.3	1	
Dyna-Gro	DG 9701	58.5	13.7	93.1 *	0.0	0	
Dyna-Gro	DG 9591	60.1	13.9	92.0 *	1.5	3	
Seed Consultants	SC13S07™	58.9	14.2	91.8 *	0.8	2	
AgriPro (Syngenta)	SY VIPER	57.0	14.5	91.5 *	0.3	1	
Pioneer Brand	25R77	59.6	14.0	88.0	0.5	2	
Baker Seeds	Branson	58.7	13.7	86.1	0.5	2	
Seed Consultants	SC13S26™	56.9	13.7	84.7	0.3	1	
Beck's Hybrids	123	58.6	14.0	84.2	0.8	2	
AgriPro (Syngenta)	SY 547	57.7	13.6	84.2	0.5	1	
Lima Grain	LCS 2214	56.1	13.6	83.6	0.0	0	
AgriPro (Syngenta)	SY 100	56.4	13.5	81.3	0.8	2	
Lima Grain	L-11538	56.2	15.1	77.8	1.3	3	
Beck's Hybrids	125	60.3	13.4	77.3	2.8	3	
AgriPro (Syngenta)	SY 007	59.2	13.8	76.6	0.8	2	
Seed Consultants	SC13S17™	54.6	16.5	73.4	0.8	3	
Dyna-Gro	DG 9772	59.0	15.2	73.1	2.0	4	
AgriMAXX	463	57.2	13.7	69.4	0.5	1	
Lima Grain	L-11610	57.6	14.3	69.0	0.8	2	
		<b>57.6</b>	<b>14.0</b>	<b>91.3</b>			

<sup>1</sup> lodging score: 0 - no lodging  
 1 <25% of plot  
 2 25-50% of plot  
 3 50-75% of plot  
 4 75%+ of plot

### For Additional Information Contact:

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## 2017 SPENCER COUNTY WHEAT PLOT (located in Knox Co.)

COMPANY NAME	VARIETY	TEST WEIGHT	AVG. MOIST.	AVG. YIELD	Average		Date	<b>2017 Spencer County Wheat Plot Information</b>
					Lodging Score <sup>1</sup>	Heading		
Baker Seeds	Branson	56.8	13.4	114.2 *	0.5	4/22		
Lima Grain	L-11610	57.6	13.2	109.2 *	2.0	4/24	Minimum significant difference for YIELD is: 7.2 bu.	
Beck's Hybrids	125	58.7	13.1	108.9 *	0.0	4/25	Any pairwise comparison is appropriate.	
Pioneer Brand	25R50	57.6	13.0	108.1 *	0.0	4/26	<b>YIELDS</b> followed by an asterisk (*) are not significantly different from the highest yield.	
Dyna-Gro	DG 9701	57.9	13.2	108.0 *	0.5	4/25		
Steyer Seeds	STex161	58.6	13.3	107.5 *	0.5	4/28		
AgriPro (Syngenta)	SY 547	58.0	13.2	107.5 *	2.5	4/24	Coefficient of variation (for yield) is: 5.54	
AgriPro (Syngenta)	SY VIPER	58.8	12.9	107.2 *	1.5	4/23	Average yield for the plot is 99.9 bu/acre	
AgriMAXX	446	57.8	13.4	106.8	0.0	4/26		
Dyna-Gro	DG 9772	56.5	12.8	106.7	0.5	4/24	<b>Planting Date:</b> 11/8/16	
Sunstar Hybrids	X173	56.8	13.1	106.0	0.0	4/25	<b>Harvest Date:</b> 6/19/17	
AgriPro (Syngenta)	SY 007	57.8	13.4	105.6	0.0	4/24	<b>Fall Fertilizer:</b> 11/7/2016	
AgriMAXX	463	57.1	12.9	105.3	0.5	4/24	150 lb/ac 18-46-0, 250 lb/ac 0-0-61	
Lima Grain	LCS 2214	56.4	13.3	105.2	1.5	4/22	27 lb N/ac, 69 lb P2O5/ac, 152.5 lb K2O/ac	
Sunstar Hybrids	X171	59.3	13.4	104.9	1.0	4/23	<b>Population:</b> 1.7 million seeds/acre	
Sunstar Hybrids	X172	57.8	12.8	103.7	0.0	4/26	<b>Nitrogen Topdress:</b> 2/20/2017	
Sunstar Hybrids	X174	58.3	13.4	102.8	0.0	4/28	200 lb/ac 46-0-0; 100 lb/ac 21-0-0-24;	
Beck's Hybrids	120	56.4	13.0	102.7	0.0	4/24	7 lb/A 0-0-0-14.3 Boron	
Seed Consultants	SC13S37™	58.3	13.1	102.7	0.0	4/28	113 lb N/A, 24 lb S/A, 1 lb B/A	
Pioneer Brand	25R77	57.8	13.3	102.5	0.0	4/24	(Total Nitrogen/A., all sources: 140 lbs./A.)	
Lima Grain	L-11538	57.9	13.3	102.3	1.0	4/25		
Seed Consultants	SC13S07™	55.6	12.5	101.0	1.0	4/24	<b>Pesticides:</b> None	
AgriMAXX	444	57.4	13.6	100.3	0.0	4/28		
Lima Grain	L-11418	56.3	13.4	99.4	2.5	4/24	<b>Thanks to Cooperators: Dennis Nowaski,</b>	
AgriPro (Syngenta)	SY 100	54.4	13.4	98.7	1.0	4/26	<b>Purdue Southwest Ag. Center in Knox County</b>	
Dyna-Gro	DG 9750	55.9	12.9	97.5	1.5	4/24		
Dyna-Gro	DG 9591	57.4	13.0	92.8	1.0	4/24		
Steyer Seeds	STex162	56.7	13.5	89.9	1.0	4/25	<b>Also:</b>	
Seed Consultants	SC13S26™	56.4	13.0	89.3	0.5	4/27	Thanks to all of the seed companies that provided seed and fees for this year's plots! Their contact information is on the back of this sheet. Also thanks to Dr. Charles Mansfield from Purdue University at the Vincennes University campus for help with plot work & statistical analysis. I want to also recognize Area Extension Educators Amanda Mosiman, Nick Held, Val Clingerman, Maria Turner and Hans Schmitz for help with planning, planting and harvesting the plots.	
Beck's Hybrids	123	56.6	13.1	88.7	2.5	4/23		
Steyer Seeds	STex155	57.0	13.5	88.6	0.0	4/23		
Seed Consultants	SC13S17™	56.5	13.2	86.7	0.0	4/23		
Beck's Hybrids	128	55.2	12.6	86.1	0.5	4/26		
AgriMAXX	454	55.7	12.9	85.9	0.5	4/25		
Baker Seeds	210S	51.3	12.5	82.4	0.5	4/23		
Steyer Seeds	HAUBERT	55.5	12.9	81.2	0.5	4/26		
		<b>57.0</b>	<b>13.1</b>	<b>99.9</b>				

<sup>1</sup> lodging score: 0 - no lodging  
 1 <25% of plot  
 2 25-50% of plot  
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