

2009 POSEY & SPENCER COUNTY WHEAT VARIETY PLOTS

Attached are the results from the Posey and Spencer County Wheat Plots. There was a striking difference in the average yield between the Posey and Spencer plots this year. Most of this difference can be attributed to the use of fungicide for head scab (flown on) in Spencer County and our decision not to treat the plot in Posey County. Allyn, the cooperators in Posey County applied Proline fungicide to the rest of the field around the test plot with a ground rig, but did not treat the test plot at our request. We're not sure the fungicide would have made up the nearly 30 bu/A difference in the average yield between the plots, but we're confident it would have made up the bulk of it. The Spencer plot also received a split application of nitrogen in the spring with 10 more actual units of nitrogen than the Posey plot; so this could also have been a factor in some of the yield difference. An interesting note is that the test weight was lower and moisture higher in the Spencer County plot than the Posey County plot. A lot of this has to do with the timing of the harvest. We had already made the decision to harvest the Spencer plot on June 22nd before they received an inch of rain not received in Posey County the night before. The Posey plot did receive rain, but it wasn't as much as what the Spencer plot received. We want to express our appreciation to our Cooperators: David Allyn in Posey County and Byron Stallings in Spencer 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 the plots, don't hesitate to contact us (our information is listed below). Thanks- Jon and Nick

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.

<u>COMPANY</u>	<u>NAME</u>	<u>PHONE #</u>
AgriPro / Coker	Mike Baker	(618) 456-8851
Baker Seeds	Mike Baker	(618) 456-8851
Beck's	Gene Hagedorn	(812) 453-3581
Campbell	Brian Denning	(812) 963-5679
Croplan	Todd Meyer	(812) 630-6585
Diener	Matt Hayden	(270) 314-5220
Dyna-Gro	Jason Brown	(812) 457-8112
Excel	Mike Baker	(618) 456-8851
Exsegen	Scott Janes	(270) 926-2496
Great Heart	Gary Veatch	(812) 449-6438
Hubner	Matt Willard	(217) 649-6348
Pioneer	Glen Reisinger	(812) 853-7138
Seed Consultants, Inc.	Bill Mullens, Jr.	(740) 505-2022
Stewart Seed	Clyde Viers	(800) 254-7333
Steyer	Jud Kidwell	(812) 454-9785
Opti-Crop Services	Richard Baylis	(812) 499-7441

2009 PURDUE EXTENSION SPENCER COUNTY WHEAT PLOT

COMPANY/VARIETY #	HEADING DATE	AVG. TEST WT.	AVG. MOIST.	AVG. YIELD
AgriPro Branson	3-May	49.9	23.7%	113.7
Diener DXW70TC	5-May	53.6	23.7%	110.0
Beck's 113	5-May	50.3	24.8%	109.7
Exsegen Dinah	5-May	53.5	23.5%	109.6
Croplan 8302	7-May	51.7	23.1%	108.6
Diener DXW70	6-May	53.9	23.3%	106.9
AgrPro W1377	6-May	53.1	22.8%	105.2
Baker 195S	3-May	52.0	22.6%	103.3
Dyna-Gro 9922	5-May	52.6	22.7%	103.0
Pioneer 25R54	4-May	51.6	22.0%	102.9
Stewart 440	4-May	51.0	21.2%	102.8
Exsegen Lois	5-May	48.3	22.6%	102.3
Great Heart GHT-944	4-May	48.9	21.9%	102.0
Seed Consultants SC 1339	4-May	48.6	21.4%	101.0
Seed Consultants SC 1328B	4-May	52.6	21.9%	100.6
Steyer Seed Geary	4-May	49.8	21.1%	100.4
Pioneer 25R62	4-May	49.0	19.9%	100.3
Beck's 122	4-May	50.7	22.1%	100.3
Seed Consultants SC 1298	4-May	50.8	22.5%	100.2
Steyer Seed Nofzinger	5-May	49.8	22.5%	100.1
Exsegen Candace	4-May	50.7	22.1%	99.2
Excel 173	4-May	52.2	22.2%	99.0
Hubner H-50	4-May	50.2	21.8%	98.2
Campbell Seed 9760	4-May	51.3	22.1%	97.8
Croplan 8614	4-May	50.7	22.5%	97.8
Great Heart GHT-937	4-May	50.9	21.9%	97.7
Baker 200S	5-May	50.8	22.2%	97.7
Steyer Seed Fatzinger	4-May	50.3	22.1%	96.8
Pioneer 25R56	5-May	49.9	22.0%	96.4
Hubner H-57	4-May	49.0	20.9%	96.1
Hubner H-37A	3-May	53.9	23.1%	95.3
Seed Consultants SC 1318	4-May	47.6	22.4%	94.2
Dyna-Gro V9723	6-May	51.6	21.7%	93.3
Beck's 117	3-May	51.6	22.2%	93.0
Campbell Seed 9820	6-May	48.0	22.7%	92.9
Diener D496W	6-May	48.9	21.5%	92.8
Beck's 137	4-May	51.6	22.4%	92.7
Exsegen Anna	3-May	48.4	23.1%	92.2
Baker 120S	4-May	48.7	22.4%	90.8
Stewart 460	4-May	48.6	22.5%	90.5
Steyer Seed Jordan	5-May	52.2	21.6%	89.6
Dyna-Gro 9911	5-May	52.2	21.8%	88.5
Diener D496WTC	5-May	49.2	21.6%	88.4
Dyna-Gro V9812	7-May	48.5	21.8%	88.3
Croplan 8868	7-May	48.0	22.4%	87.2
Great Heart GHT-938	4-May	52.2	22.2%	86.7
Baker 130S	4-May	51.5	22.9%	86.7
Campbell Seed 9610	6-May	48.4	22.2%	84.0
Great Heart GHT-929	4-May	51.6	22.1%	83.3
PLOT AVERAGE:	4-May	50.6	22.3%	97.4

2009 Spencer County Wheat Plot Information

Least significant difference for YIELD is 5.0 bu/A.

Any pairwise comparison is appropriate.

Planting Date: 10/14/08

Harvest Date: 6/22/09

Fall Fertilizer: 300 lbs/A. 9:23:30

Population: 1.75 million seeds/acre

Nitrogen Topdress: 55 lbs 2/20/09; 45 lbs 3/24/09

Pesticides: 3/18/09:

0.75 oz/ac Harmony Xtra Total-sol

6 oz/ac Weedone 638

1qt/100 gal Premium 90

5/7/09:

4 oz/A. Toledo (fungicide)

1 oz/A. Warrior II

Special Thanks to Cooperator:

Byron Stallings

Also Thanks:

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 at the Vincennes Univeristy campus for help with plot work & Bob Nielsen for statistical analysis. I want to also recognize Area Extension Educators Jon Neufelder and Jim True for help with planning, planting and harvesting the plots.

Special thanks to Richard Baylis of Opti-Crop, Miles Farm Service in Hatfield for the heading dates and disease ratings for the varieties and all his help with the plots. An identical plot was planted in Posey County.

For Additional Information Contact:

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2009 PURDUE EXTENSION POSEY COUNTY WHEAT PLOT

COMPANY/VARIETY #	HEADING DATE	AVG. TEST WT.	AVG. MOIST.	AVG. YIELD
Exsegen Dinah	4-May	55.6	13.4%	82.4
Diener DXW70	5-May	55.4	13.5%	79.9
Exsegen Lois	4-May	49.9	13.3%	79.4
Diener DXW70TC	5-May	55.4	13.6%	78.6
AgriPro Branson	3-May	51.6	14.4%	77.8
Beck's 113	4-May	52.1	13.9%	77.4
Croplan 8302	5-May	53.6	14.2%	77.4
Excel 173	3-May	54.0	13.4%	76.7
Baker 200S	5-May	52.4	13.5%	76.2
Seed Consultants SC 1328B	5-May	54.2	13.8%	75.8
Pioneer 25R54	4-May	53.1	13.6%	75.8
Pioneer 25R62	4-May	50.5	13.0%	75.6
Baker 195S	3-May	54.1	13.5%	75.2
Dyna-Gro 9922	3-May	54.1	14.1%	73.6
Beck's 137	4-May	54.3	14.0%	73.3
Hubner H-50	3-May	52.2	14.2%	72.7
AgrPro W1377	5-May	55.2	14.7%	72.5
Beck's 117	3-May	53.9	13.9%	72.3
Hubner H-37A	3-May	55.0	14.1%	71.9
Steyer Seed Jordan	4-May	54.2	13.6%	71.6
Exsegen Candace	3-May	51.4	14.3%	71.4
Campbell Seed 9760	3-May	51.3	14.0%	70.9
Beck's 122	3-May	51.3	14.1%	70.6
Great Heart GHT-937	3-May	51.3	13.8%	70.4
Stewart 440	3-May	51.3	13.8%	70.3
Exsegen Anna	2-May	49.5	13.7%	70.1
Dyna-Gro V9723	3-May	51.8	13.9%	69.9
Steyer Seed Fatzinger	4-May	51.6	14.1%	68.9
Steyer Seed Nofzinger	5-May	50.0	13.5%	68.3
Croplan 8614	3-May	51.0	14.3%	68.3
Pioneer 25R56	5-May	50.1	13.6%	68.2
Seed Consultants SC 1298	3-May	51.2	14.0%	68.0
Great Heart GHT-944	3-May	48.7	13.8%	67.1
Steyer Seed Geary	4-May	48.6	13.8%	67.1
Baker 120S	3-May	49.2	13.7%	66.6
Great Heart GHT-938	4-May	54.5	13.9%	66.2
Great Heart GHT-929	2-May	52.9	13.6%	66.2
Dyna-Gro 9911	4-May	54.3	13.4%	66.1
Diener D496W	3-May	48.8	13.8%	65.7
Hubner H-57	4-May	48.4	13.5%	65.0
Diener D496WTC	4-May	48.8	13.5%	64.7
Baker 130S	4-May	52.8	13.8%	61.9
Seed Consultants SC 1318	5-May	49.2	13.5%	60.9
Seed Consultants SC 1339	4-May	48.5	13.5%	60.6
Dyna-Gro V9812	4-May	48.9	13.4%	58.7
Campbell Seed 9820	4-May	48.6	13.6%	58.3
Campbell Seed 9610	3-May	49.6	13.6%	56.9
Stewart 460	3-May	49.6	13.3%	56.1
Croplan 8868	4-May	48.4	13.7%	54.2
PLOT AVERAGE:	3-May	51.7	13.8%	69.7

2009 Posey County Wheat Plot Information

Least significant difference for YIELD is 4.9 bu/A.
Any pairwise comparison is appropriate.

Planting Date: 10/13/08

Harvest Date: 6/25/09

Fall Fertilizer: 300 lbs.

Population: 1.75 million seeds/acre

Nitrogen Topdress: 90 lbs. of N on 3-18-09

Pesticides: applied 3/18/09

.75 oz. Harmony Extra

1.0 oz. Warrior (insecticide)

2 oz. Tilt (fungicide)

1 qt. LI700 crop oil

*No fungicide for head scab was applied to this plot

Special Thanks to Cooperators:

L. David Allyn Family Farm

Also Thanks:

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Special thanks to Richard Baylis of Opti-Crop, Miles Farm Service in Hatfield for the heading dates and disease ratings for the varieties and all his help with the plots. An identical plot was planted in Spencer County.

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