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Corn & Soybean
Performance Trials



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2006 Purdue Corn & Soybean Performance Trials Bulletin No. B- 18063

Philip DeVillez, William D. Foster and Paul Lorton
Department of Agronomy

Introduction

This bulletin summarizes results of the 2006 performance trials of commercial soybean varieties being sold in Indiana. The participating seed companies selected the varieties for testing and mail samples of seed taken from commercial seed lots to Purdue University for evaluation.

The state is split into three regions, Northeast, Northwest and South. In all regions early, mid and late tests were established based on appropriate maturities.

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<http://www.agry.purdue.edu/pcpp/soybean.html>

Experimental Methods

Predominant soil types or production levels commonly found in Indiana were represented by three locations in each region. At each location, plots consisted of 10 7.5 inch rows 18ft. in length and were, replicated four times within a randomized complete block design. All data was collected on the entire plot. The plots were planted from pre-counted packets of seed using a no-till planter and harvested with an Almaco combine. All tests were on Roundup Ready soybeans only.

Lodging notes were taken just prior to harvest. Each farm cooperator prepared the seedbed using conventional tillage practices and applied herbicides at labeled rates. The planting populations were 200,000 spa for each test.

Understanding the LSD (least significant difference)

The least significant difference (LSD) listed at the bottom of each table for each column of data should be used to determine if the difference between varieties is due to performance differences or random chance. This bulletin presents data with an LSD of 10%. If the difference between two varieties were equal to or greater than the LSD, the difference would be attributable to variety differences in 9 out of 10 (90%) instances when the two varieties are evaluated under conditions like those of the test. A difference which is less than the LSD is likely due to chance. The top performing varieties that are different due to only random chance are marked with asterisk.

When no significant difference for a given parameter is found among varieties, “ns” (nonsignificant) replaces an LSD value.

Suggestions for using these results to select top-performing varieties.

The results provide producers with an **independent and objective evaluation** of the performance of varieties sold in Indiana.

1. **Use multi-year data**
2. **Use multi-location average data** (tables 1-9). Consider single location results with extreme caution.
3. Evaluate **consistency of performance** of the varieties you are interested in over years, across locations in other zones.
 - A. Look for varieties that are consistently in the top group (those with an asterisk).
 - B. Beware of varieties that have up and down performance.
4. Look at several other **reliable, unbiased** trial results focusing on consistency.
5. Test varieties on your farm. Try to get experimental numbers and put them in your test for two years.

Remember you are taking a tremendous gamble if you make variety selection decisions based on one year yield comparisons in only one or two local test plots.

Data format

The performance data for each test within a region are reported in a table. The regional average data are listed first followed by the individual site yield and harvest moisture data. Varieties in each table are listed by yield in descending order. Comparisons can be made only between varieties within a table. Comparing two varieties from different tables (i.e. different environments and/or production levels) would likely lead to an erroneous conclusion. Yields were adjusted to 13% moisture and reported in bushels per acre.

Maturity Ranges of Performance Trials

Northeast Early Trial: Maturities between 2.3-2.9.

Northeast Mid Trial: Maturities between 2.6-3.3.

Northeast Late Trial: Maturities between 3.0-3.9.

Northwest Early Trial: Maturities between 2.3-2.9.

Northwest Mid Trial: Maturities between 2.6-3.3.

Northwest Late Trial: Maturities between 3.0-3.9.

Southern Early Trial: Maturities between 3.3-3.9.

Southern Mid Trial: Maturities between 3.6-4.3.

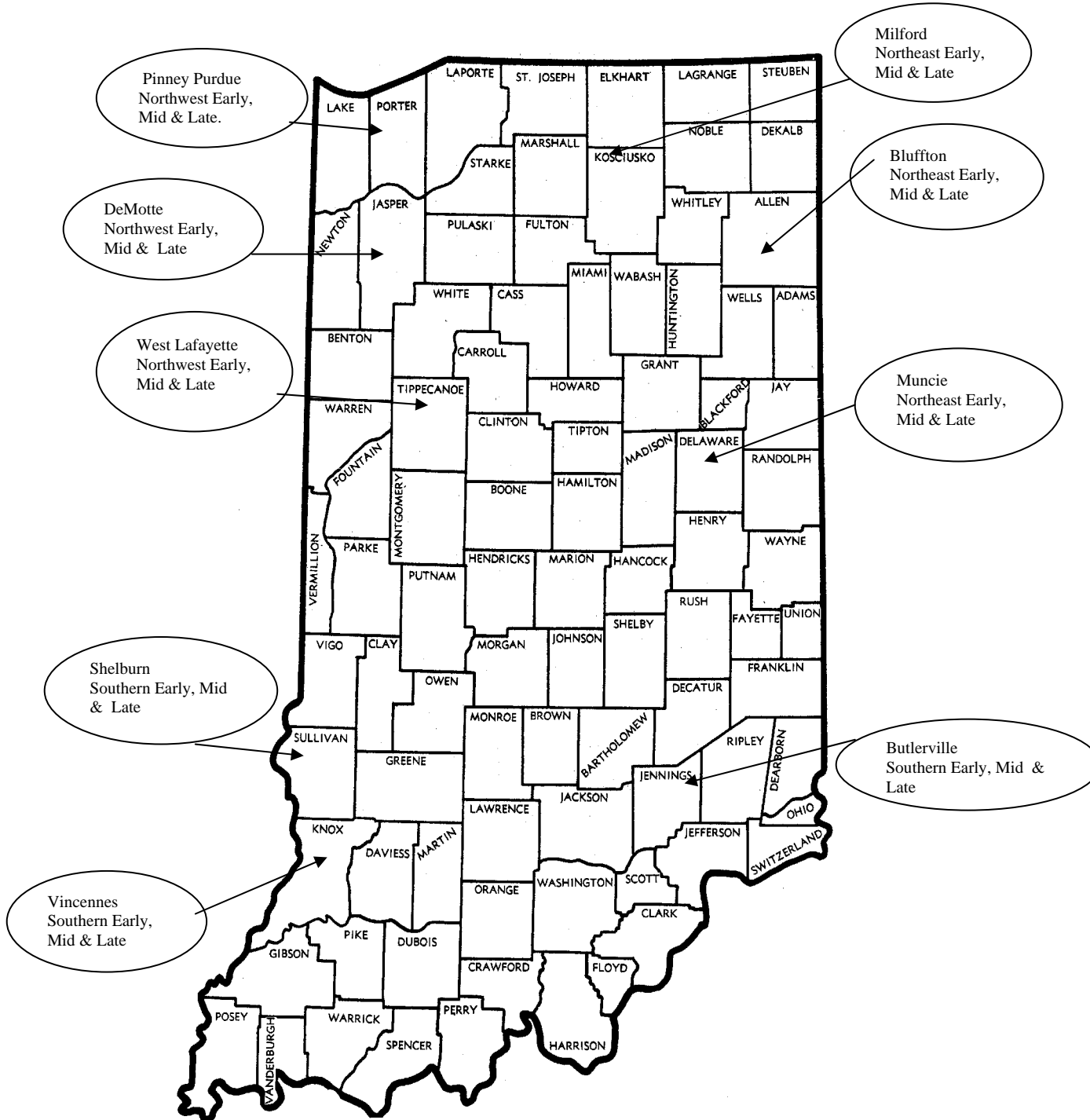
Southern Late Trial: Maturities between 3.9-4.6.

2006 Weather Summary

Cool wet conditions spread out the planting season from May 8th through June 3rd. Even with the cool wet conditions plant populations were very good. All of the test locations made it through the season to harvest. White mold was present at our Milford location which caused us to discard the early test. Harvest was also delayed due to weather. Harvest stretched from Oct. 3rd to Nov. 2nd.

2006 Indiana Rainfall Summary										
	May		June		July		August		September	
Pinney Purdue	3.56	(3.64)	2.30	(3.95)	6.50	(4.20)	5.21	(3.37)	2.18	(3.90)
Milford	4.87	(3.46)	3.83	(4.01)	6.35	(3.62)	4.10	(3.49)	1.88	(3.35)
Bluffton	6.38	(3.46)	4.03	(4.01)	2.56	(3.62)	2.65	(3.49)	3.28	(3.35)
W. Lafayette	5.16	(3.89)	2.86	(3.71)	6.43	(3.95)	5.21	(3.84)	3.10	(3.01)
DeMotte	1.40	(3.46)	4.02	(4.07)	10.14	(3.92)	9.04	(3.62)	1.66	(3.67)
Muncie	5.93	(3.74)	8.12	(3.71)	3.67	(3.91)	4.92	(3.41)	2.61	(2.86)
Vincennes	3.40	(5.13)	4.64	(4.05)	2.69	(4.67)	5.45	(3.72)	4.31	(3.16)
Butlerville	3.98	(4.46)	4.59	(3.55)	7.43	(4.62)	6.21	(3.69)	6.46	(2.63)
Shelburn	5.33	(4.47)	5.44	(3.58)	4.05	(4.90)	3.50	(3.56)	6.17	(3.36)
* Rainfall from planting date to Sept. 30th										
() Denotes 30yr average										

2006 Soybean Performance Locations



Sources of Seed for Indiana Soybean Performance Trials, 2006

<u>BRAND</u>	<u>COMPANY</u>	<u>WEB ADDRESS / MAILING ADDRESS</u>	<u>PHONE #</u>
Adler	Adler Seeds	adlerseeds.com	800-536-2676
ASGROW	Monsanto	asgrowanddekalb.com	815-758-9323
Beck	Beck's Superior Hybrids	beckshybrids.com	317-984-3508
Dairyland	Dairyland Seed Co., Inc	dairylandseed.com	262-338-0163
Davis	Davis Seed Farms, Inc.	10184 Ted Davis Rd. Greens Fork, IN. 47345	765-886-5148
DeKalb	Monsanto	dekalb.com	815-758-9323
Dyna-Gro	UAP/Richter Dyna-Gro Seed	dynagroseed.com	800-646-8587
Hoosier Pride	Hoosier Pride Genetics	1534 S. 570E. Frankfort, IN.46041	765-249-2650
L & M Glick	L & M Glick Seed	15120 Base Line Rd. Columbus, IN. 47203	812-343-8119
Martin	Martin Seeds	10045 W. Second Williamsport, IN.47993	765-986-2030
NK	Garst Seeds	garstseed.com	888-464-2778
Rupp	Rupp Seeds, Inc.	ruppseeds.com	419-337-1841
Seed Consultants	Seed Consultants, Inc.	seedconsultants.com	800-708-2676
Southern Cross	Miles Seed	milesnmore.com	800-666-4537
Steyer	Steyer Seeds	6154 N. Co.Rd. 33 Tiffin, OH. 44883	419-992-4570
TL	Wabash Valley	2265 W 600 N W. Lafayette, IN. 47906	765-463-4455
Trisoy	Trisler Seed Farms, Inc.	trisler.com	217-288-9301
Vigoro	Royster-Clark Inc.	vigoro seeds.com	740-869-2181
Wyckoff	Wyckoff Hybrids, Inc.	wyckoffhybrids.com	219-462-6716

2006 Purdue Soybean Northeast Early Trial Summary

Table. 1 Average of 2 experiments

	<u>Average</u>				Muncie	Milford
	<u>Yield</u> <u>bu./A.</u>	<u>Maturity</u> <u>Date</u>	<u>Lodg.</u> <u>Score</u>	<u>Plt. Ht.</u> <u>in.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>
Dairyland DSR-2820/RR	79.2 *	22-Sep	1.0	39	81.1 *	77.4 *
Seed Consultants SC 9297RR	76.3 *	2-Oct	1.1	41	82.5 *	70.2
Rupp RS4263	75.4 *	27-Sep	2.0	41	80.5 *	70.2
Rupp RS4275	75.0 *	30-Sep	1.6	40	77.5 *	72.5 *
Rupp RS 4232NRR	73.2 *	24-Sep	1.3	38	75.9	70.4
Seed Consultants SC 9266RR	72.7	26-Sep	1.6	42	74.8	70.5
Vigoro V26N7RR	72.5	28-Sep	1.5	38	72.8	72.2 *
Dairyland DSR-2702/RRSTS	72.1	25-Sep	1.0	39	73.7	70.6
Dairyland DSR-2929/RR	71.4	1-Oct	1.1	43	73.8	69.1
Beck 297NRR	71.3	1-Oct	1.3	40	75.1	67.6
NK S29-J6	71.2	30-Sep	1.5	43	75.4	67.0
Seed Consultants SC 9284RR	71.0	3-Oct	1.5	42	78.1 *	63.9
Beck 286NRR	70.7	28-Sep	1.5	41	76.0	65.5
Vigoro V29N6RR	69.6	2-Oct	1.4	40	74.8	64.5
TL 290RR	69.1	30-Sep	1.8	39	72.7	65.4
Hoosier HP 2863CRR	68.1	29-Sep	1.0	40	72.1	64.1
Seed Consultants SC 9286RR	66.8	3-Oct	2.0	43	78.3 *	55.3
-	-----	-----	----	---	-----	-----
Grand mean	72.1	29-Sep	1.4	41	76.2	68.0
LSD (10%)	6.4	3	0.7	3	6.2	6.4

Yield averages followed by * are not significantly different from the highest yield average in this table.

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2006 Purdue Soybean Northeast Mid Trial Summary

Table. 2 Average of 3 experiments

	<u>Average</u>				Muncie	Bluffton	Milford
	<u>Yield</u> <u>bu./A.</u>	<u>Maturity</u> <u>Date</u>	<u>Lodg.</u> <u>Score</u>	<u>Plt. Ht.</u> <u>in.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>
NK S32-E2	72.1 *	4-Oct	1.7	42	84.7 *	66.3 *	65.3 *
Dairyland DSR-3003/RRSTS	70.3 *	4-Oct	1.4	40	77.4	65.9 *	67.6 *
Seed Consultants SC 9307RR	70.0 *	4-Oct	1.4	40	76.3	60.6	73.1 *
Seed Consultants SC 9315RR	69.9 *	4-Oct	1.3	40	75.7	64.9	69.0 *
Hoosier HP 3464CRR	69.7 *	5-Oct	1.3	41	76.2	65.3 *	67.6 *
NK S33-A8	69.7 *	5-Oct	1.6	42	77.0	70.4 *	61.7
Asgrow AG 3006	68.4 *	2-Oct	1.6	40	80.8 *	65.1	59.4
Dyna-Gro 35D33	68.2 *	5-Oct	1.2	41	76.2	66.6 *	61.8
Hoosier HP 3155CRR	68.2 *	4-Oct	1.3	40	76.5	64.1	64.0 *
Rupp RS 4314RR	68.0 *	4-Oct	1.4	42	74.9	59.7	69.5 *
Dairyland DSR-3130/RR	67.7 *	4-Oct	1.3	41	69.8	64.4	69.1 *
Asgrow AG 3101	67.6 *	4-Oct	1.2	42	74.6	61.3	66.8 *
Asgrow AG 2802	66.8 *	29-Sep	1.3	44	73.9	57.7	68.7 *
Vigoro V315RR	66.7 *	4-Oct	1.4	41	74.6	59.6	66.0 *
Seed Consultants SC 9336RR	66.6 *	5-Oct	1.8	38	75.1	62.0	62.7 *
NK S31-V3	65.6	1-Oct	1.3	39	77.0	61.8	58.1
Trisoy 2952RR(CN)	65.5	2-Oct	1.3	40	71.4	60.6	64.4 *
Rupp RS 4295RR	65.3	3-Oct	1.4	42	73.8	60.7	61.3
Beck 297NRR	65.1	3-Oct	1.3	38	71.4	60.2	63.8 *
Trisoy 2940RR(CN)	64.5	3-Oct	1.3	38	74.2	60.5	58.8
Seed Consultants SC 9317RR	62.5	4-Oct	1.2	41	74.9	60.1	52.5
SC Goshen NRR	62.3	1-Oct	1.2	43	70.8	60.4	55.8
Seed Consultants SC 9335RR	60.0	5-Oct	1.4	38	65.5	54.5	60.0
Beck 333RR	50.5	6-Oct	1.4	41	62.7	55.1	33.8
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Grand mean	66.3	4-Oct	1.4	41	74.4	62.0	62.5
LSD (10%)	5.9	1	0.4	2	5.7	5.3	10.7

Yield averages followed by * are not significantly different from the highest yield average in this table.

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2006 Purdue Soybean Northeast Late Trial Summary

Table. 3 Average of 3 experiments

	<u>Average</u>				Muncie	Bluffton	Milford
	<u>Yield</u> <u>bu./A.</u>	<u>Maturity</u> <u>Date</u>	<u>Lodg.</u> <u>Score</u>	<u>Plt. Ht.</u> <u>in.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>
NK S36-C7	71.4 *	7-Oct	1.1	40	74.8	68.0 *	71.5 *
Asgrow AG 3705	71.2 *	9-Oct	1.2	42	74.0	71.5 *	68.1 *
Seed Consultants SC 9376RR	70.5 *	8-Oct	1.3	42	72.4	68.2 *	70.9 *
Seed Consultants SC 9355RR	70.4 *	8-Oct	1.6	42	79.2 *	65.7 *	66.3 *
Beck 342NRR	70.3 *	7-Oct	1.2	40	80.6 *	65.1	65.0 *
DeKalb DKB 36-52	68.9 *	8-Oct	1.4	41	75.0 *	65.0	66.7 *
Seed Consultants SC 9366RR	68.5 *	6-Oct	1.9	41	69.2	71.6 *	64.9 *
Vigoro V35N6RR	67.9 *	7-Oct	1.5	40	73.3	67.8 *	62.5 *
Dairyland DSR-3400/RR	67.8 *	6-Oct	1.8	42	70.5	66.7 *	66.2 *
Vigoro V34N7RR	67.8 *	7-Oct	1.1	39	76.1 *	58.5	68.8 *
Dairyland DSR-3500/RR	67.7 *	7-Oct	1.5	40	73.5	70.4 *	59.2
Dyna-Gro SX06136	67.7 *	7-Oct	1.2	41	72.9	67.5 *	62.8 *
Asgrow AG 3602	67.3 *	7-Oct	1.3	42	75.3 *	56.3	70.2 *
Hoosier HP 3844CRS	67.3 *	8-Oct	1.2	40	75.6 *	66.3 *	59.8
Hoosier HP 3502CRR	66.2 *	6-Oct	1.2	41	72.9	58.0	67.6 *
Trisoy 3463RR(CN)	65.9 *	7-Oct	1.2	40	78.0 *	64.7	54.9
Vigoro V386RR	65.3	8-Oct	1.3	40	71.8	66.5 *	57.8
Seed Consultants SC 9394RR	65.0	10-Oct	1.3	43	70.1	66.4 *	58.5
Beck 354NRR	64.9	7-Oct	1.4	42	76.8 *	59.8	58.1
Hoosier HP 3664CRR	63.8	7-Oct	1.3	39	71.0	62.4	58.0
Beck 367NRR	63.3	8-Oct	1.4	38	67.0	62.5	60.4
Seed Consultants SC 9365RR	62.7	9-Oct	1.3	41	70.5	62.5	55.1
Seed Consultants SC 9386RR	62.7	8-Oct	1.3	42	72.3	57.5	58.1
Seed Consultants SC 9384RR	62.4	10-Oct	1.5	37	66.8	53.4	67.1 *
Seed Consultants SC 9345RR	61.4	7-Oct	2.0	43	72.5	60.4	51.2
NK S37-N4	61.2	10-Oct	1.6	43	67.4	59.6	56.4
Dyna-Gro 32C38	60.5	8-Oct	1.3	40	70.7	59.2	51.6
-	----	----	----	---	----	----	----
Grand mean	66.3	8-Oct	1.4	41	73.0	63.8	62.1
LSD (10%)	6.0	1	0.5	3	5.7	6.0	9.5

Yield averages followed by * are not significantly different from the highest yield average in this table.

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2006 Purdue Soybean Northwest Early Trial Summary

Table. 4 Average of 3 experiments

	<u>Average</u>				<u>ACRE</u>	<u>DeMotte</u>	<u>Pinney</u>
	<u>Yield</u>	<u>Maturity</u>	<u>Lodg.</u>	<u>Plt. Ht.</u>			
	<u>bu./A.</u>	<u>Date</u>	<u>Score</u>	<u>in.</u>	<u>bu./A.</u>	<u>bu./A.</u>	<u>bu./A.</u>
Wyckoff W2872CRR	77.4 *	3-Oct	1.4	42	72.4 *	84.8 *	74.9 *
Dairyland DSR-2600/RR	77.2 *	24-Sep	1.3	40	78.8 *	83.8 *	69.0
Dairyland DSR-2800/RRSTS	75.6 *	1-Oct	1.1	44	72.2 *	84.8 *	69.8 *
NK S29-J6	75.2 *	28-Sep	1.4	44	77.1 *	78.1 *	70.4 *
Hoosier HP 2955CRR	75.1 *	2-Oct	1.5	41	73.3 *	81.2 *	70.8 *
Hoosier HP 3041RR	74.8 *	30-Sep	2.1	41	72.8 *	79.7 *	71.8 *
Beck 286NRR	74.6 *	1-Oct	1.3	43	77.4 *	79.8 *	66.7
Rupp RS4275	74.6 *	29-Sep	1.4	42	75.5 *	82.5 *	65.9
Dairyland DSR-2820/RR	74.1 *	21-Sep	1.5	38	71.6	74.6	76.3 *
Hoosier HP 2863CRR	74.0 *	1-Oct	1.0	42	76.2 *	83.8 *	62.0
Beck 297NRR	73.8 *	2-Oct	1.5	40	70.0	80.0 *	71.3 *
Dairyland DSR-2929/RR	73.7 *	30-Sep	1.6	43	68.8	81.1 *	71.2 *
Rupp RS4263	72.8 *	26-Sep	1.5	42	79.4 *	68.5	70.5 *
Martin M-627RR	72.7 *	30-Sep	1.2	40	66.5	82.6 *	69.0
Adler 274RR	72.1 *	30-Sep	2.0	44	73.5 *	77.3 *	65.5
Dyna-Gro 39V26	71.5	26-Sep	1.9	40	70.1	72.9	71.6 *
Beck 274NRR	71.1	28-Sep	1.9	41	70.2	73.6	69.6 *
Martin M-727NRR	70.4	23-Sep	1.4	39	71.7	73.7	65.9
Seed Consultants SC 9284RR	70.3	1-Oct	1.8	43	68.3	75.3	67.4
Dairyland DSR-2702/RRSTS	70.2	24-Sep	1.4	39	71.7	71.1	67.6
Rupp RS 4232NRR	70.1	20-Sep	1.1	38	70.1	71.1	69.2
Wyckoff W2963CRR	68.5	30-Sep	1.5	42	66.2	74.4	64.8
Vigoro V29N6RR	67.9	2-Oct	1.7	41	71.6	70.3	61.7
Trisoy 2952RR(CN)	67.6	30-Sep	1.7	41	62.3	73.8	66.7
-	----	----	----	---	-----	-----	-----
Grand mean	72.7	28-Sep	1.5	41	72.0	77.5	68.7
LSD (10%)	5.5	2	0.5	2	7.5	8.1	7.0

Yield averages followed by * are not significantly different from the highest yield average in this table.

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2006 Purdue Soybean Northwest Mid Trial Summary

Table. 5 Average of 3 experiments

	<u>Average</u>				<u>ACRE</u>	<u>DeMotte</u>	<u>Pinney</u>
	<u>Yield</u>	<u>Maturity</u>	<u>Lodg.</u>	<u>Plt. Ht.</u>			
	<u>bu./A.</u>	<u>Date</u>	<u>Score</u>	<u>in.</u>	<u>bu./A.</u>	<u>bu./A.</u>	<u>bu./A.</u>
TL 334RR	80.8 *	6-Oct	1.4	45	78.5	82.7 *	81.4 *
Beck 321NRR	79.9 *	6-Oct	1.2	42	79.7	77.3	82.8 *
Dairyland DSR-3003/RRSTS	79.7 *	3-Oct	1.6	44	81.9 *	83.6 *	73.4
Asgrow AG 3006	79.4 *	3-Oct	1.4	45	78.3	80.9 *	79.1 *
Hoosier HP 3263CRR	78.9 *	5-Oct	1.6	45	70.2	83.2 *	83.4 *
Dyna-Gro 35D33	78.8 *	7-Oct	1.4	45	78.4	79.3 *	78.6
Wyckoff W3282CRR	78.6 *	6-Oct	1.7	44	73.8	80.3 *	81.6 *
Dyna-Gro SX06530	78.0 *	3-Oct	1.6	41	78.9	80.2 *	74.9
Rupp RS 4314RR	77.8 *	2-Oct	1.2	44	84.6 *	74.8	74.2
Seed Consultants SC 9336RR	77.8 *	7-Oct	1.6	41	74.2	79.6 *	79.6 *
Seed Consultants SC 9315RR	77.4 *	2-Oct	1.4	45	79.3	79.3 *	73.8
Wyckoff W3474CRR	77.3 *	7-Oct	1.0	44	73.9	76.9	80.9 *
Dairyland DSR-3130/RR	76.0 *	5-Oct	1.4	44	79.2	75.6	73.4
NK S33-A8	75.9 *	7-Oct	2.1	45	75.1	75.2	77.4
Vigoro V315RR	75.8 *	2-Oct	1.3	44	81.6 *	75.3	70.5
NK S32-E2	75.7 *	5-Oct	2.5	44	77.5	75.3	74.3
Martin M-732NRR	75.0	4-Oct	1.5	43	78.0	74.1	73.0
Beck 297NRR	74.9	2-Oct	1.3	42	67.9	85.9 *	70.9
Asgrow AG 3101	74.8	3-Oct	1.0	46	68.8	81.4 *	74.3
Wyckoff W3262CRR	74.8	7-Oct	1.3	45	74.8	73.5	76.1
Hoosier HP 3464CRR	74.5	5-Oct	1.3	45	73.3	75.5	74.7
NK S31-V3	74.0	30-Sep	1.2	41	74.9	75.1	72.1
Rupp RS 4295RR	73.8	3-Oct	1.5	45	75.8	76.6	68.9
Seed Consultants SC 9335RR	73.8	5-Oct	1.1	42	72.4	75.9	73.0
Asgrow AG 2802	72.0	30-Sep	2.1	46	72.7	70.8	72.5
Martin M-631NRR	71.6	5-Oct	1.3	43	65.0	77.6	72.3
Adler 292RRN	70.4	30-Sep	1.8	42	66.2	71.2	73.7
Dairyland DSR-3000/RRSTS	70.2	5-Oct	1.3	42	68.0	71.6	70.9
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Grand mean	76.0	4-Oct	1.5	44	75.1	77.5	75.4
LSD (10%)	5.4	2	0.5	2	4.7	8.1	4.6

Yield averages followed by * are not significantly different from the highest yield average in this table.
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2006 Purdue Soybean Northwest Late Trial Summary

Table. 6 Average of 3 experiments

	<u>Average</u>				ACRE	DeMotte	Pinney
	Yield <u>bu./A.</u>	Maturity <u>Date</u>	Lodg. <u>Score</u>	Plt. Ht. <u>in.</u>			
Beck 383NRR	84.6 *	9-Oct	1.1	46	81.1 *	88.5 *	84.1 *
Trisoy 3766RR(CN)	78.6	9-Oct	1.1	45	78.8 *	84.6 *	72.4
DeKalb DKB 36-52	78.3	9-Oct	1.4	46	74.4	84.5 *	76.1
Asgrow AG 3602	77.9	8-Oct	1.3	45	70.8	81.6	81.2 *
Wyckoff W3770RR	77.9	7-Oct	1.0	43	69.3	85.5 *	78.7 *
Hoosier HP 3464CRR	77.0	5-Oct	1.2	45	73.7	82.2 *	75.3
Seed Consultants SC 9355RR	76.7	8-Oct	1.4	45	71.3	85.0 *	73.9
Hoosier HP 3664CRR	76.0	8-Oct	1.0	43	71.8	78.7	77.6 *
Seed Consultants SC 9386RR	76.0	9-Oct	1.3	47	69.3	79.3	79.3 *
NK S36-C7	75.7	8-Oct	1.0	41	74.8	78.2	74.2
Wyckoff W3672CRR	75.7	9-Oct	1.2	46	77.2 *	77.6	72.3
Beck 354NRR	75.0	7-Oct	1.5	45	73.4	77.2	74.4
Dairyland DSR-3500/RR	74.3	9-Oct	1.5	45	68.3	75.0	79.7 *
Seed Consultants SC 9366RR	74.3	5-Oct	1.8	43	69.1	81.5	72.4
Asgrow AG 3705	74.2	9-Oct	1.0	44	71.1	76.8	74.7
Dyna-Gro SX06136	74.1	9-Oct	1.0	43	69.6	80.1	72.7
Seed Consultants SC 9376RR	73.8	6-Oct	1.0	44	66.4	77.6	77.3 *
Vigoro V34N7RR	73.7	6-Oct	1.1	44	69.2	76.8	75.2
Seed Consultants SC 9394RR	73.5	9-Oct	1.3	46	63.9	77.3	79.3 *
Vigoro V35N6RR	73.5	9-Oct	1.2	44	68.4	76.8	75.2
Martin M-435NRR	73.4	8-Oct	1.2	45	68.4	81.2	70.7
Dairyland DSR-3400/RR	73.1	6-Oct	2.2	48	69.5	72.4	77.3 *
Beck 342NRR	72.9	7-Oct	1.0	43	70.0	75.3	73.5
Martin M-538NRR	72.8	10-Oct	1.1	43	70.1	74.7	73.8
NK S37-N4	72.6	10-Oct	1.5	48	66.3	72.4	79.1 *
Trisoy 3450RR	72.4	8-Oct	1.3	45	64.8	77.1	75.3
Wyckoff W3474CRR	72.2	7-Oct	1.0	43	67.8	77.8	71.1
Wyckoff W3463CRR	72.1	9-Oct	1.0	42	66.7	75.9	73.8
Trisoy 4227RR(CN)	71.9	11-Oct	1.0	42	65.7	76.6	73.3
Seed Consultants SC 9345RR	71.6	7-Oct	2.0	47	65.5	73.6	75.6
Dyna-Gro 32C38	71.5	9-Oct	1.1	43	68.6	70.4	75.4
Seed Consultants SC 9365RR	70.9	9-Oct	1.1	46	64.2	76.7	71.9
Beck 367NRR	70.6	9-Oct	1.3	40	65.9	72.4	73.7
Seed Consultants SC 9384RR	70.1	10-Oct	1.0	40	63.8	73.4	73.1
Martin M-734NRR	69.8	8-Oct	1.3	45	65.3	70.7	73.6
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Grand mean	74.2	8-Oct	1.2	44	69.6	77.9	75.3
LSD (10%)	4.2	1	0.5	1	4.3	6.6	7.2

Yield averages followed by * are not significantly different from the highest yield average in this table.

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2006 Purdue Soybean Southern Early Trial Summary

Table: 7 Average of 3 experiments

	<u>Average</u>				Vincennes	SEPAC	Shelburn
	<u>Yield</u> <u>bu./A.</u>	<u>Maturity</u> <u>Date</u>	<u>Lodg.</u> <u>Score</u>	<u>Plt. Ht.</u> <u>in.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>
Vigoro V386RR	66.2 *	24-Sep	1.4	38	60.7 *	68.4 *	69.4 *
Vigoro V36N5RR	66.0 *	23-Sep	1.5	39	64.6 *	70.7 *	62.8 *
Vigoro V39N7RR	63.9 *	28-Sep	1.3	39	61.7 *	64.0 *	65.8 *
Seed Consultants SC 9365RR	63.7 *	25-Sep	1.8	40	66.3 *	62.1	62.6 *
TL 334RR	63.6 *	21-Sep	1.6	40	67.3 *	68.8 *	54.5
Dairyland DSR-3603/RR	63.1 *	21-Sep	1.8	39	62.0 *	61.8	65.4 *
NK S37-N4	62.9 *	27-Sep	1.8	42	57.8	60.2	70.8 *
Asgrow AG 3602	62.0 *	22-Sep	1.5	38	58.2	69.1 *	58.7
Hoosier HP 3464CRR	62.0 *	19-Sep	1.8	39	62.8 *	64.4 *	58.7
Beck 367NRR	61.5 *	27-Sep	2.0	36	57.2	62.2	65.2 *
Asgrow AG 3705	61.3 *	25-Sep	1.3	39	61.9 *	64.0 *	57.9
Beck 383NRR	60.6 *	25-Sep	1.4	40	60.5 *	54	67.4 *
Beck 354NRR	60.2 *	22-Sep	1.6	40	59.2	65.8 *	55.7
Seed Consultants SC 9386RR	59.9 *	24-Sep	1.5	41	53.3	65.7 *	60.8 *
Beck 342NRR	59.4	22-Sep	1.6	38	53.0	65.3 *	59.8 *
Dairyland DSR-3500/RR	59.0	22-Sep	1.9	38	57.9	61.4	57.8
TL 346RR	59.0	22-Sep	1.3	39	61.3 *	64.9 *	50.7
Seed Consultants SC 9386ARR	58.8	23-Sep	1.9	41	55.1	60.8	60.5 *
Seed Consultants SC 9384RR	56.8	27-Sep	2.0	36	51.2	59	60.3 *
Steyer 3830RR	56.2	25-Sep	1.6	43	57.4	61.5	49.8
TL 353RR	54.5	22-Sep	1.4	39	56.3	59.2	47.9
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Grand mean	61.0	24-Sep	1.6	39	59.3	63.5	60.1
LSD (10%)	6.5	2	0.5	2	7.3	7.6	11.1

Yield averages followed by * are not significantly different from the highest yield average in this table.
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2006 Purdue Soybean Southern Mid Trial Summary

Table: 8 Average of 3 experiments

	<u>Average</u>				Vincennes	SEPAC	Shelburn
	<u>Yield</u> <u>bu./A.</u>	<u>Maturity</u> <u>Date</u>	<u>Lodg.</u> <u>Score</u>	<u>Plt. Ht.</u> <u>in.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>
Hoosier HP 3844CRS	63.7 *	26-Sep	1.1	37	65.4 *	63.5 *	62.2 *
Dyna-Gro 35B40	62.0 *	1-Oct	1.4	43	65.8 *	59.6 *	60.5 *
L&M Glick Seed 73R	61.4 *	25-Sep	1.7	43	63.4 *	63.5 *	57.3
Asgrow AG 3906	61.3 *	28-Sep	1.5	39	63.6 *	60.2 *	60.0 *
Beck 422NRR	61.0 *	28-Sep	1.3	39	60.2 *	58.1	64.8 *
TL 382RR	60.2 *	23-Sep	1.4	38	62.7 *	60.2 *	57.8
Dairyland DSR-385/RR	59.9 *	29-Sep	1.2	37	62.3 *	61.8 *	55.7
Hoosier HP 3664CRR	59.6 *	25-Sep	1.3	37	61.9 *	56.8	60.1 *
L&M Glick Seed 93R	59.6 *	26-Sep	1.8	41	62.3 *	57.8	58.5
Trisoy 4254RR(CN)	59.6 *	29-Sep	1.2	39	55.5	64.8 *	58.5
Seed Consultants SC 9396RR	59.5 *	25-Sep	1.3	39	57.1	63.2 *	58.1
Beck 405NRR	59.4 *	25-Sep	1.9	39	55.1	58.8	64.3 *
Dairyland DSR-3801/RRSTS	59.0	24-Sep	1.8	38	56.7	62.0 *	58.3
NK S41-M5	59.0	27-Sep	1.7	42	60.5 *	57.4	59.2 *
Vigoro V42N7RR	59.0	28-Sep	1.2	38	54.1	60.8 *	62.1 *
SC Stephen NRR	58.9	28-Sep	1.6	39	59.8 *	61.1 *	55.8
L&M Glick Seed C38R	58.7	24-Sep	1.9	39	58.0 *	59.0	59.2 *
Vigoro V42N3RR	58.6	28-Sep	1.4	35	58.5 *	58.6	58.7 *
Dyna-Gro SX06842	58.3	28-Sep	1.2	38	59.1 *	59.9 *	55.9
NK S43-B1	58.1	28-Sep	1.4	40	52.8	61.3 *	60.2 *
Seed Consultants SC 9415RR	57.8	26-Sep	1.1	35	55.4	63.6 *	54.5
Asgrow AG 3905	57.6	27-Sep	1.2	39	57.3	60.1 *	55.3
SC Abraham NRR	57.5	28-Sep	1.2	36	56.5	61.2 *	54.7
Seed Consultants SC 9436RR	56.5	28-Sep	1.3	40	53.1	58.0	58.5
L&M Glick Seed 4D5R	56.3	28-Sep	1.3	40	60.4 *	53.3	55.1
Vigoro V41N6RR	55.4	28-Sep	1.4	39	48.1	56.7	61.5 *
L&M Glick Seed 349R	55.1	25-Sep	1.7	38	55.2	58.3	51.8
SC Michael NRR/STS	54.5	28-Sep	1.3	36	55.8	56.0	51.7
L&M Glick Seed 68R	54.0	26-Sep	1.3	41	54.0	54.4	53.7
Trisoy 4227RR(CN)	53.0	27-Sep	1.3	35	53.3	50.6	55.2
Seed Consultants SC 9406RR	51.6	28-Sep	1.9	38	53.1	51.9	49.8
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Grand mean	58.3	27-Sep	1.4	39	58.0	59.1	57.7
LSD (10%)	4.4	3	0.6	2	8.4	5.8	6.2

Yield averages followed by * are not significantly different from the highest yield average in this table.

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2006 Purdue Soybean Southern Late Trial Summary

Table: 9 Average of 3 experiments

	<u>Average</u>				Vincennes	SEPAC	Shelburn
	<u>Yield</u> <u>bu./A.</u>	<u>Maturity</u> <u>Date</u>	<u>Lodg.</u> <u>Score</u>	<u>Plt. Ht.</u> <u>in.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>	<u>Yield</u> <u>bu./A.</u>
Hoosier HP 4453CRS	57.9 *	30-Sep	1	31	54.3 *	61.2 *	58.3 *
Beck 422NRR	57.3 *	29-Sep	1	32	51.2 *	65.3 *	55.5 *
Beck 444NRR	55.4 *	28-Sep	1	38	48.7	60.3	57.0 *
Steyer 4420RR	55.2 *	29-Sep	1	41	52.1 *	57.9	55.7 *
Steyer 4040RR	55.1 *	26-Sep	1	33	51.5 *	59.3	54.4 *
Vigoro V46N6RR	55.1 *	29-Sep	1	35	53.8 *	55.1	56.5 *
Seed Consultants SC 9466RR	54.9 *	30-Sep	1	37	60.4 *	49.7	54.6 *
DeKalb DKB 42-51	54.6 *	30-Sep	1	35	48.4	64.8 *	50.6
Hoosier HP 4763CRS	54.2 *	2-Oct	1	32	45.5	59.0	58.0 *
Hoosier HP 4563CRS	54.1 *	1-Oct	1	33	50.2	56.6	55.6 *
Seed Consultants SC 9456RR	54.1 *	30-Sep	1	42	51.8 *	56.2	54.2 *
Asgrow AG 4404	54.0 *	29-Sep	1	34	48.3	55.7	58.0 *
Beck 405NRR	53.9 *	27-Sep	1	32	48.5	59.9	53.4
SC Silas NRR	53.8 *	1-Oct	1	37	47.8	59.0	54.8 *
Seed Consultants SC 9442RR	53.6 *	1-Oct	1	37	47.4	58.3	55.1 *
Vigoro V44N6RR	52.7	29-Sep	1	37	43.2	58.7	56.1 *
Dyna-Gro 37A44	52.5	29-Sep	1	35	45.3	61.6 *	50.5
SC Moab NRR	52.3	29-Sep	1	39	49.1	55.0	52.8
Trisoy 4557RR(CN)	51.7	29-Sep	1	40	47.1	57.8	50.0
SC Levi NRR	47.6	30-Sep	1	31	41.8	57.5	43.4
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Grand mean	54	29-Sep	1	36	49.3	58.4	54.2
LSD (10%)	5.2	2	ns	4	9.7	4.9	4.5

Yield averages followed by * are not significantly different from the highest yield average in this table.

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2006 Purdue Soybean Performance Entry List

Variety	Test	Variety	Test
Adler 274RR	NWE	Hoosier Pride HP3041RR	NWE
Adler 292RR	NWM	Hoosier Pride HP2955CRR	NWE
Asgrow AG3906	SM	Hoosier Pride HP4453CRS	SL
Asgrow AG3905	SM	Hoosier Pride HP4563CRS	SL
Asgrow AG3705	NEL, NWL, SE	Hoosier Pride HP4763CRS	SL
Asgrow AG3602	NEL, NWL, SE	L&M Glick 68R	SM
Asgrow AG3101	NEM, NWM	L&M Glick 73R	SM
Asgrow AG3006	NEM, NWM	L&M Glick C38R	SM
Asgrow AG2802	NEM, NWM	L&M Glick 349R	SM
Asgrow AG4404	SL	L&M Glick 4D5R	SM
Beck 286NRR	NWE, NEE	L&M Glick 93R	SM
Beck 297NRR	NWE, NWM, NEE, NEM	Martin M627RR	NWE
Beck 321NRR	NWM	Martin M727NRR	NWE
Beck 342NRR	NWL, NEL, SE	Martin M631NRR	NWM
Beck 354NRR	NWL, NEL, SE	Martin M732NRR	NWM
Beck 367NRR	NWL, NEL, SE	Martin M734NRR	NWL
Beck 383NRR	NWL, SE	Martin M435NRR	NWL
Beck 274NRR	NWE	Martin M538NRR	NWL
Beck 333RR	NEM	NK S29-J6	NEE, NWE
Beck 405NRR	SM, SL	NK S31-V3	NEM, NWM
Beck 422NRR	SM, SL	NK S32-E2	NEM, NWM
Beck 444NRR	SL	NK S33-A8	NEM, NWM
Dairyland DSR-2600/RR	NWE	NK S36-C7	NEL, NWL
Dairyland DSR-2702/RRSTS	NEE, NWE	NK S37-N4	NEL, NWL, SE
Dairyland DSR-2800/RRSTS	NWE	NK S41-M5	SM
Dairyland DSR-2820/RR	NEE, NWE	NK S43-B1	SM
Dairyland DSR-2930RR	NEE, NWE	Rupp RS4232N	NEE, NWE
Dairyland DSR-3000/RRSTS	NWM	Rupp 4XP23	NEE, NWE
Dairyland DSR3003/RRSTS	NEM, NWM	Rupp 4XP53	NEE, NWE
Dairyland DSR-3130/RR	NEM, NWM	Rupp RS4295	NEM, NWM
Dairyland DSR-3400/RR	NEL, NWL	Rupp RS4314	NEM, NWM
Dairyland DSR-3500/RR	NEL, NWL, SE	Seed Consultants SC 9266RR	NEE
Dairyland DSR-3603/RR	SE	Seed Consultants SC 9284RR	NEE, NWE
Dairyland DSR-385/RR	SM	Seed Consultants SC 9286RR	NEE
Dairyland DSR-3801/RRSTS	SM	Seed Consultants SC 9297RR	NEE
DEKALB DKB36-52	NEL, NWL	Seed Consultants SC 9307RR	NEM
DEKALB DKB4251	SL	Seed Consultants SC 9317RR	NEM
Dyna-Gro 39V26	NWE	Seed Consultants SC 9315RR	NEM, NWM
Dyna-Gro SX06530	NWM	Seed Consultants SC 9335RR	NEM, NWM
Dyna-Gro 35D33	NEM, NWM	Seed Consultants SC 9336RR	NEM, NWM
Dyna-Gro SX06136	NEL, NWL	Seed Consultants SC 9345RR	NEL, NWL
Dyna-Gro 32C38	NEL, NWL	Seed Consultants SC 9355RR	NEL, NWL
Dyna-Gro 35B40	SM	Seed Consultants SC 9365RR	NEL, NWL, SE
Dyna-Gro SX06842	SM	Seed Consultants SC 9366RR	NEL, NWL
Dyna-Gro 37A44	SL	Seed Consultants SC 9376RR	NEL, NWL
Hoosier Pride HP3155CRR	NEM	Seed Consultants SC 9384RR	NEL, NWL, SE
Hoosier Pride HP3844CRS	NEL, SM	Seed Consultants SC 9386RR	NEL, NWL, SE
Hoosier Pride HP3464CRR	NEM, NWM, NWL, SE	Seed Consultants SC 9386ARR	SE
Hoosier Pride HP3502CRR	NEL, NWL, SM	Seed Consultants SC 9394RR	NEL, NWL
Hoosier Pride HP2863CRR	NEE, NWE	Seed Consultants SC 9396RR	SM
Hoosier Pride HP3263CRR	NWM	Seed Consultants SC 9406RR	SM
		Seed Consultants SC 9415RR	SM
		Seed Consultants SC 9436RR	SM

2006 Purdue Soybean Performance Entry List

Variety	Test	Variety	Test
Seed Consultants SC 9442RR	SL	Vigoro V26N7RR	NEE
Seed Consultants SC 9456RR	SL	Vigoro V29N6RR	NEE, NWE
Seed Consultants SC 9466RR	SL	Vigoro V315RR	NEM, NWM
Southern Cross Goshen 2.9NRR	NEM	Vigoro V34N7RR	NEL, NWL
Southern Cross Stephen 3.8NRR	SM	Vigoro V35N6RR	NEL, NWL
Southern Cross Michael 4.2N STSRR	SM	Vigoro V36N5RR	SE
Southern Cross Levi 4.4NRR	SL	Vigoro V386RR	NEL, SE
Southern Cross Abraham 4.0NRR	SM	Vigoro V41N6RR	SM
Southern Cross Silas 4.4NRR	SL	Vigoro V42N3RR	SM
Southern Cross Moab 4.5NRR	SL	Vigoro V42N7RR	SM
Steyer 3830RR	SE	Vigoro V44N6RR	SL
Steyer 4420RR	SL	Vigoro V46N6RR	SL
Steyer 4040RR	SL	Vigoro V39N7RR	SE
TL 290RR	NEE	Wyckoff W2872CRR	NWE
TL 334RR	NWM, SE	Wyckoff W2963CRR	NWE
TL 353RR	SE	Wyckoff W3262CRR	NWM
TL 364RR	SE	Wyckoff W3474CRR	NWM, NWL
TL 282RR	SM	Wyckoff W3463CRR	NWL
Trisoy 2940RRCN	NEM	Wyckoff W3672CRR	NWL
Trisoy 2952RRCN	NEM, NWM	Wyckoff W3770RR	NWL
Trisoy 3463RRCN	NEL	Wyckoff W3282CRR	NWM
Trisoy 3450RRCN	NWL		
Trisoy 3766RRCN	NWL		
Trisoy 4227RRCN	NWL, SM		
Trisoy 4254RRCN	SM		
Trisoy 4557RRCN	SL		

NEE- Northeast Early- Table 1.

NEM- Northeast Mid- Table 2.

NEL- Northeast Late- Table 3.

NWE- Northwest Early- Table 4.

NWM- Northwest Mid- Table 5.

NWL- Northwest Late- Table 6.

SE- Southern Early- Table 7.

SM- Southern Mid- Table 8.

SL- Southern Late- Table 9.

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