

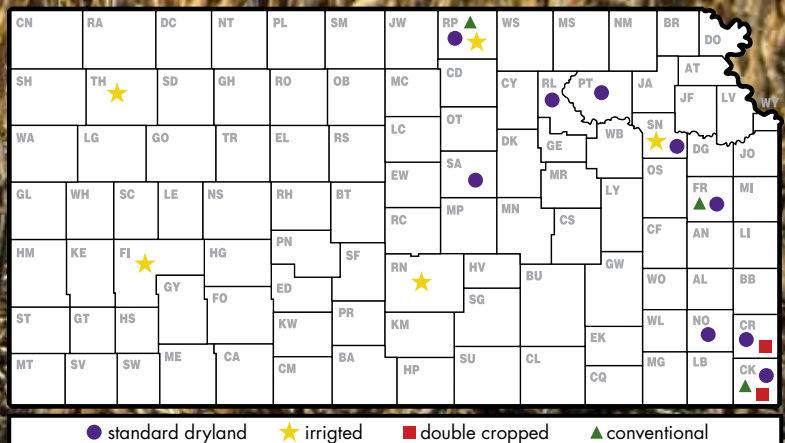
# 2010

## Kansas Performance Tests with Soybean Varieties

### Report of Progress 1040



**Kansas State University  
Agricultural Experiment Station  
and Cooperative Extension Service**



# CONTENTS

## INTRODUCTION

Test Objectives and Procedures.....	1
Data Interpretation.....	1
Variety or Brand Selection.....	1
Summary of Entrants and Originators, Table 1.....	2

## PERFORMANCE TEST RESULTS

Emmett, Pottawatomie County (dryland), Table 2.....	3
Topeka, Shawnee County (dryland), Table 3.....	4
Topeka, Shawnee County (irrigated), Table 4.....	5
Ottawa, Franklin County (dryland), Table 5.....	6
Columbus, Cherokee County, Maturity Groups III-IV (dryland), Table 6.....	8
Columbus, Cherokee County, Maturity Groups IV-V (dryland), Table 7.....	9
Pittsburg, No-Till, Double-Cropped Maturity Groups III-IV (dryland), Table 8.....	10
Pittsburg, No-Till, Double-Cropped Maturity Groups IV-V (dryland), Table 9.....	10
McCune, Crawford County, Maturity Groups III-IV (dryland), Table 10.....	11
McCune, Crawford County, Maturity Groups IV-V (dryland), Table 11.....	11
Erie, Neosho County, Maturity Groups III-IV (dryland), Table 12.....	12
Erie, Neosho County, Maturity Groups IV-V (dryland), Table 13.....	13
Scandia, Republic County (irrigated), Table 14.....	13
Belleville, Republic County (dryland), Table 15.....	14
Assaria, Saline County (dryland), Table 16.....	15
Hutchinson, Reno County (irrigated), Table 17.....	16
Colby, Thomas County (irrigated), Table 18.....	18
Garden City, Finney County (irrigated), Table 19.....	18
Columbus, Cherokee County, Maturity Groups III-IV (dryland/conventional), Table 20.....	20
Columbus, Cherokee County, Maturity Groups IV-V (dryland/conventional), Table 21.....	20
Ottawa, Franklin County (conventional/dryland), Table 22.....	21
Scandia, Republic County (conventional/irrigated), Table 23.....	22
Yield as a Percentage of Test Average from 2010 Roundup-Resistant Soybean Tests, Table 24.....	23
Yield as a Percentage of Test Average from 2010 Conventional Soybean Tests, Table 25.....	28
Descriptions of Roundup-Resistant Entries, Table 26.....	29
Descriptions of Conventional Entries, Table 27.....	32
Electronic access, University Research Policy, and Duplication Policy.....	33

# 2010 KANSAS SOYBEAN PERFORMANCE TESTS

## TEST OBJECTIVES AND PROCEDURES

Soybean performance tests are conducted each year to provide information on the relative performance of new and established varieties and brands at several locations in Kansas.

Seeds for tests are from private seed companies, certified growers, and agricultural experiment stations (Table 1). Seed quality, including factors such as purity and germination, can be important in determining the performance of a variety. Soybean seed used for private and public entries in the Kansas Crop Performance Tests is prepared professionally and usually meets or exceeds Kansas Crop Improvement Certification standards. Relative performance of a given variety comparable to that obtained in these tests is best assured under similar environmental conditions and cultural practices and with the use of certified or professionally prepared seed. All companies known to be developing and marketing soybean varieties or brands are invited to submit test seed; interested companies enter on a voluntary, fee-entry basis.

Companies were invited to enter Roundup-resistant varieties in either the Roundup trials or in the conventional trials at Scandia, Ottawa, or Parsons.

Entries were planted in four-row plots with rows 30 inches apart and were replicated three or four times each. Seeding rate ranged from 7 to 12 seeds per foot of row. The center two rows of each plot were harvested for yield. Harvested row lengths ranged from 11 to 33 feet, depending on location. Cultural practices and rainfall for each test location are presented with each table. Results from this year's tests are presented in Tables 2 through 23. Relative yields of each entry from all locations are shown in Tables 24 and 25. Test results also can be found online at <http://www.ksu.edu/kscpt>.

## DATA INTERPRETATION

**Yields** are recorded as bushels per acre (60 lb/bushel) adjusted to 13% moisture content when moisture data are available. Seed yield also is expressed as a percentage of the test average to assist in identifying entries that consistently produce better than the average yield.

**Maturity** is the date on which 95% of the pods have ripened (browned). Delayed leaf drop and green stems are not considered when assigning maturity. About 1 week of good drying weather after maturing is needed before soybeans are ready to harvest.

**Lodging** is rated at maturity by the following scores:

1. Almost all plants erect
2. All plants slightly leaning or a few plants down
3. All plants leaning moderately (45%) or 25 to 50% of plants down
4. All plants leaning considerably or 50 to 80% plants down
5. Almost all plants down

**Height** is the average length from the soil surface to the top of the main stem of mature plants.

## VARIETY OR BRAND SELECTION

Performance of soybean varieties or brands varies from year to year and from location to location depending on factors such as weather, management practices, and variety adaptation. When selecting varieties or brands, producers should carefully analyze variety performance for two or more years across locations. Performance averaged over several environments will provide a better estimate of genetic potential and stability than performance based on a few environments.

Small differences in yield between any two varieties or brands usually are not important. Within maturity groups at each location, an LSD (least significant difference) was calculated. The significance level used to calculate the LSD was 10%. Unless two varieties differ in yield by more than the LSD, genetic yield potential of one entry cannot be considered superior to that of another.

The coefficient of variability (CV) represents an estimate of the precision in the replicated yield trials. A CV of less than 10% indicates a good test with a high level of reliability. CVs ranging from 10 to 15% are usually acceptable for performance comparisons. CVs greater than 15% generally lack sufficient precision to provide any more than a rough guide to cultivar performance. For tests in which the precision was insufficient to statistically compare performance among the entries, the LSD value has been replaced with the designation NS, indicating that seed yields were not significantly different.

Table 1. Entrants in the 2010 Kansas Soybean Performance Tests

<p><b>Illinois Ag. Exp. Stn. (AES) and USDA-ARS</b> Champaign-Urbana, IL 217-265-4062 aces.uiuc.edu</p>	<p><b>Dyna-Gro Seed</b> UAP-Pueblo Overland Park, KS 913-227-0838 uap.com</p>	<p><b>Phillips</b> Phillips Seed Farms, Inc. Hope, KS 785-949-2204 phillipsseed.com</p>
<p><b>Iowa State University (AES)</b> Ames, IA 515-292-3497</p>	<p><b>Fontanelle</b> Fontanelle Seeds Fremont, NE 402-721-1410 fontanelle.com</p>	<p><b>Pioneer</b> Pioneer Hi-Bred Intl., Inc. Lincoln, NE 800-258-5604 pioneer.com</p>
<p><b>Missouri Ag. Exp. Stn (AES)</b> Columbia, MO 573-882-7488</p>	<p><b>G2 Genetics, NuTech</b> NuTech Seed, LLC Forest City, IA 641-581-3350 sales@yieldleader.com</p>	<p><b>Progeny</b> Progeny Ag Products Wynne, AR 870-238-2079</p>
<p><b>Nebraska Ag. Exp. Stn. (AES) and USDA</b> Foundation Seed Division Lincoln, NE 877-229-1363</p>	<p><b>LG Seeds</b> Elmwood, IL 309-742-2211 Lgseeds.com</p>	<p><b>Rinck Seed Farm</b> <b>Virginia Ag. Exp. Stn. (AES)</b> Niotaze, KS 620-673-5343</p>
<p><b>Tennessee Ag. Exp. Stn. (AES)</b> Knoxville, TN 865-974-8801</p>	<p><b>Midland</b> Midland Genetics Group Ottawa, KS 785-242-3598 info@midlandgenetics.com</p>	<p><b>Super Soy</b> Midwest Premium Genetics Concordia, MO 660-463-7333</p>
<p><b>Advanced Genetics</b> Delange Seed Company Girard, KS 620-724-6223 Delangeseed.com</p>	<p><b>Morsoy</b> MFA Incorporated Columbia, MO 573-876-5363 morsoy.com</p>	<p><b>Sylvester</b> Sylvester Ranch, Inc. Ottawa, KS 785-272-3598 info@sylvesterseed.com</p>
<p><b>Asgrow</b> Monsanto St. Louis, MO 800-768-6387 Asgrowanddekalb.com</p>	<p><b>M-Pride</b> Midwest Premium Genetics Concordia, MO 660-463-7333</p>	<p><b>Taylor</b> Taylor Seed Farms, Inc. White Cloud, KS 800-742-7473 taylorseedfarms.com</p>
<p><b>Blue River Hybrids</b> Kelley, IA 800-370-7979 Blueriverorgseed.com</p>	<p><b>NK Brand</b> Garst Brand Seed Minnetonka, MN 800-445-0956 Garstseed.com</p>	<p><b>Willcross</b> NeCo Seed Farms, Inc. Garden City, MO 816-862-8203 willcross.com</p>
<p><b>Drussel Seed</b> Drussel Seed, Inc Garden City, KS 620-275-2359</p>	<p><b>Ohlde</b> Ohlde Seed Farms, Inc. Palmer, KS 785-692-4555</p>	<p><b>Willcross</b> Willcross Seed King City, MO 800-411-5957</p>

**Lance Rezac Farm, Emmett, Pottawatomie County; Bill Schapaugh, agronomist**

Wabash silty clay, pH 8.2, na% OM; P test: VH, K test: VH Good stands obtained. Wet spring leading into hot and dry conditions through August.  
18-46-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 3.2 4.6 7.3 5.8 2.2 5.9 38.0

Planted 5/28/2010 at 7 seeds/ft; harvested 10/14/2010; 15 ft by 2-row plot; pesticides: 1.25 pt Glyphosate postemergence.

**Table 2. Emmett, Pottawatomie County Dryland Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
FONTANELLE	78N18	42.1	<b>69.1</b>	--	55.6	--	96	110	--	10/2	1.3	36
FONTANELLE	78N71	41.9	--	--	--	--	95	--	--	10/2	1.8	36
FONTANELLE	9789 NRR	<b>46.4</b>	61.8	37.1	54.1	48.4	105	98	96	10/3	1.5	39
G2 GENETICS	6369	41.8	--	--	--	--	95	--	--	9/24	1.3	37
G2 GENETICS	6373	44.4	--	--	--	--	101	--	--	9/26	1.3	38
G2 GENETICS	7330	41.8	--	--	--	--	95	--	--	9/22	2.0	36
G2 GENETICS	7350	43.6	--	--	--	--	99	--	--	9/24	1.3	41
G2 GENETICS	7381	<b>47.3</b>	--	--	--	--	108	--	--	9/29	1.3	40
G2 GENETICS	7383	44.5	--	--	--	--	101	--	--	9/26	1.3	43
G2 GENETICS	7390	43.9	--	--	--	--	100	--	--	10/4	1.3	36
KANSAS AES	KS3406RR	42.0	--	41.0	--	--	95	--	106	9/25	1.3	33
NUTECH	3909SRN	44.9	--	--	--	--	102	--	--	10/1	1.5	36
NUTECH	7359	<b>47.2</b>	--	--	--	--	107	--	--	9/22	2.0	39
NUTECH	7369S	43.2	--	--	--	--	98	--	--	9/26	1.0	36
NUTECH	7379	40.9	--	--	--	--	93	--	--	10/3	1.3	32
NUTECH	7388	39.5	--	--	--	--	90	--	--	9/28	1.5	34
NUTECH	7425S	<b>49.9</b>	--	--	--	--	113	--	--	10/6	1.5	34
OHLDE	332	44.4	--	--	--	--	101	--	--	9/22	1.5	37
OHLDE	3721	42.6	--	--	--	--	97	--	--	10/4	1.3	35
OHLDE	377	41.7	--	--	--	--	95	--	--	10/1	1.3	35
OHLDE	391	44.1	--	--	--	--	100	--	--	10/2	1.5	36
OHLDE	3921	38.8	--	--	--	--	88	--	--	9/30	1.3	32
OHLDE	422	<b>48.4</b>	--	--	--	--	110	--	--	10/5	1.5	36
OHLDE	451	<b>46.7</b>	--	--	--	--	106	--	--	10/8	2.0	40
SYLVESTER	3610NRR	45.5	64.0	--	54.8	--	103	101	--	9/23	1.3	36
SYLVESTER	3631R2	41.9	--	--	--	--	95	--	--	9/27	1.0	34
SYLVESTER	3738NRR	41.6	64.8	--	53.2	--	95	103	--	10/4	1.0	38
SYLVESTER	3740NR2	43.4	65.2	--	54.3	--	99	103	--	9/26	1.5	37
SYLVESTER	3850NR2	45.2	<b>67.9</b>	--	56.6	--	103	108	--	10/4	1.0	35
SYLVESTER	3861NR2	43.5	--	--	--	--	99	--	--	10/3	1.0	34
SYLVESTER	3920NRS	<b>49.4</b>	63.8	--	56.6	--	112	101	--	10/1	1.3	35
SYLVESTER	3981NR2	<b>47.0</b>	--	--	--	--	107	--	--	10/7	1.5	40
SYLVESTER	4041NR2	<b>46.5</b>	--	--	--	--	106	--	--	10/7	1.0	34
SYLVESTER	4270NR2	44.7	62.9	--	53.8	--	102	100	--	10/5	1.0	33
SYLVESTER	4329NRR	41.1	--	--	--	--	93	--	--	10/9	1.8	37
TAYLOR	381-2R	45.6	65.4	--	55.5	--	104	104	--	10/4	1.0	36
TAYLOR	Exp. 39002	39.9	--	--	--	--	91	--	--	10/1	1.8	35
	AVERAGES	44.0	63.1	38.6								
	CV (%)	7.1	5.2	8.7								
	LSD (0.10)	3.7	3.6	4.0								

Values in bold are in the upper LSD group.

**J.D. Hanna, Erma Harden Farm, Topeka, Shawnee County; Larry Maddux, agronomist**

Reading silty clay loam, pH 5.9, 2.6% OM; P test: H, K test: H Wet Spring leading into a dry late July and August. Good harvest conditions.  
0-0-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 2.7 5.4 8.3 4.7 2.3 4.4 35.5

Planted 6/3/2010 at 8 seeds/ft; harvested 10/14/2010; 27.5 ft by 2-row plot; pesticides: 22 oz/a Roundup WeatherMax, 1 pt/a Dual II Mag, 4.5 oz/a Shadow, and 17 lb/100 gal. AMS.

**Table 3. Topeka, Shawnee County Dryland Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
DYNA-GRO	32RY40	36.7	--	--	--	--	99	--	--	10/4	1.0	30
DYNA-GRO	33A40	31.1	--	--	--	--	84	--	--	10/1	1.0	26
DYNA-GRO	35G38	26.5	<b>70.0</b>	35.7	48.3	44.1	71	105	90	10/2	1.0	24
DYNA-GRO	35X43	<b>45.2</b>	--	--	--	--	122	--	--	10/5	1.0	28
DYNA-GRO	37J34	28.1	--	--	--	--	76	--	--	9/23	1.0	24
DYNA-GRO	37P37	40.9	68.7	--	54.8	--	110	103	--	10/1	1.0	26
FONTANELLE	78N18	33.4	<b>72.0</b>	--	52.7	--	90	108	--	9/30	1.0	26
FONTANELLE	78N71	33.5	--	--	--	--	90	--	--	9/28	1.0	24
FONTANELLE	9789 NRR	36.8	<b>70.7</b>	35.6	53.8	47.7	99	106	90	9/29	1.0	26
G2 GENETICS	6373	32.5	--	--	--	--	88	--	--	9/26	1.0	27
G2 GENETICS	7350	32.9	--	--	--	--	89	--	--	9/26	1.0	28
G2 GENETICS	7381	32.4	--	--	--	--	87	--	--	9/26	1.0	28
G2 GENETICS	7383	31.7	66.0	--	48.9	--	85	99	--	9/26	1.0	30
G2 GENETICS	7385	38.5	--	--	--	--	104	--	--	9/27	1.0	29
G2 GENETICS	7390	38.2	--	--	--	--	103	--	--	10/1	1.0	23
G2 GENETICS	7392	35.0	56.5	--	45.8	--	94	84	--	9/30	1.0	26
G2 GENETICS	7420	<b>45.6</b>	--	--	--	--	123	--	--	10/2	1.0	30
G2 GENETICS	7460	<b>46.5</b>	--	--	--	--	125	--	--	10/6	1.0	30
KANSAS AES	KS3406RR	29.8	60.6	36.9	45.2	42.4	80	91	93	9/27	1.0	25
MIDLAND	3610NRR	27.1	<b>73.3</b>	--	50.2	--	73	110	--	9/27	1.0	28
MIDLAND	3631R2	36.3	--	--	--	--	98	--	--	9/27	1.0	28
MIDLAND	3738NRR	32.4	67.3	36.4	49.9	45.4	87	101	92	9/28	1.0	29
MIDLAND	3740NR2	33.5	67.7	--	50.6	--	90	101	--	9/26	1.0	30
MIDLAND	3850NR2	41.8	<b>71.2</b>	--	56.5	--	113	106	--	10/1	1.0	28
MIDLAND	3861NR2	38.1	--	--	--	--	103	--	--	9/30	1.0	29
MIDLAND	3920NRS	37.8	<b>70.4</b>	--	54.1	--	102	105	--	10/2	1.0	29
MIDLAND	3981NR2	35.9	--	--	--	--	97	--	--	10/3	1.0	32
MIDLAND	4041NR2	41.9	--	--	--	--	113	--	--	10/6	1.0	28
MIDLAND	4270NR2	38.4	66.3	--	52.4	--	104	99	--	10/5	1.0	30
MIDLAND	4329NRR	43.8	65.2	39.9	54.5	49.6	118	97	101	10/6	1.0	30
MIDLAND	4477NRR	40.0	--	<b>44.0</b>	--	--	108	--	111	10/6	1.0	30
NUTECH	3909SRN	40.6	<b>73.2</b>	33.3	56.9	49.0	109	109	84	10/1	1.0	26
NUTECH	7359	26.7	<b>72.6</b>	--	49.7	--	72	109	--	9/27	1.0	26
NUTECH	7379	33.3	<b>75.5</b>	--	54.4	--	90	113	--	9/28	1.0	24
NUTECH	7388	39.0	--	--	--	--	105	--	--	9/24	1.0	23
NUTECH	7425S	39.2	--	--	--	--	106	--	--	10/5	1.0	26
OHLDE	3721	42.7	--	--	--	--	115	--	--	9/29	1.0	27
OHLDE	391	39.4	--	--	--	--	106	--	--	9/30	1.0	26
PHILLIPS	381 NRR	35.5	--	--	--	--	96	--	--	9/26	1.0	27
PHILLIPS	385NRS	36.7	<b>71.0</b>	40.5	53.9	49.4	99	106	103	9/30	1.0	26
PHILLIPS	401 NRS	35.7	--	--	--	--	96	--	--	10/3	1.0	28
PHILLIPS	417 NRSE	41.0	60.7	41.9	50.9	47.9	111	91	106	10/3	1.0	26
PHILLIPS	429NRS	36.0	<b>69.3</b>	--	52.7	--	97	104	--	9/30	1.0	25
PHILLIPS	Ex 3701 NR2Y	36.3	--	--	--	--	98	--	--	10/1	1.0	26
PHILLIPS	Ex 3901 NR2Y	39.8	--	--	--	--	107	--	--	10/1	1.0	27
PHILLIPS	Ex 420 NR2Y	32.7	--	--	--	--	88	--	--	10/1	1.0	27
TAYLOR	381-2R	33.2	66.7	--	50.0	--	89	100	--	9/30	1.0	24
TAYLOR	Exp. 39002	34.6	--	--	--	--	93	--	--	9/29	1.0	23
WILLCROSS	RR2381N	35.8	--	--	--	--	97	--	--	9/28	1.0	25
WILLCROSS	RR2397N	38.4	--	--	--	--	104	--	--	9/30	1.0	28
WILLCROSS	RR2470NSTS	42.9	--	--	--	--	116	--	--	10/4	1.0	28

**Table 3 continued. Topeka, Shawnee County Dryland Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
WILLCROSS	RR2878NSTS	44.9	--	--	--	--	121	--	--	10/5	1.0	31
WILLCROSS	RY2431NSTS	42.2	--	--	--	--	114	--	--	10/5	1.0	24
WILLCROSS	RY2460S	41.6	--	--	--	--	112	--	--	10/6	1.0	24
WILLCROSS	RY2481S	<b>49.6</b>	--	--	--	--	134	--	--	10/8	1.0	29
	AVERAGES	37.1	66.9	39.5								
	CV (%)	8.7	7.6	9.8								
	LSD (0.10)	4.4	6.8	5.2								

Values in bold are in the upper LSD group.

**Kansas River Valley Experiment Field, Topeka, Shawnee County; Larry Maddux, agronomist**

Eudora silt loam, pH 7.1, 2.1% OM; P test: H, K test: VH Wet Spring leading into a dry late July and August. Good harvest conditions.

0-0-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 2.5 4.6 6.3 4.0 0.7 3.1 28.1

Irrigation: 1.3 3.6 4.88

Planted 5/27/2010 at 8 seeds/ft; harvested 10/6/2010; 27.5 ft by 2-row plot; pesticides: 22 oz/a Roundup WeatherMax, 1 pt/a Dual II Mag, 4.5 oz/a Shadow, and 17 lb/100 gal. AMS.

**Table 4. Topeka, Shawnee County Irrigated Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
FONTANELLE	78N18	<b>59.6</b>	<b>78.0</b>	--	68.8	--	120	111	--	9/24	1.3	44
FONTANELLE	78N71	<b>51.2</b>	--	--	--	--	103	--	--	9/25	2.0	50
G2 GENETICS	6373	49.3	--	--	--	--	99	--	--	9/23	2.3	38
G2 GENETICS	7368	<b>51.0</b>	--	--	--	--	103	--	--	9/22	2.0	38
G2 GENETICS	7373	48.4	66.5	<b>63.4</b>	57.5	59.4	97	95	123	9/23	1.3	40
G2 GENETICS	7383	<b>52.6</b>	<b>70.4</b>	<b>59.1</b>	61.5	60.7	106	100	114	9/21	1.7	48
G2 GENETICS	7385	<b>51.6</b>	--	--	--	--	104	--	--	9/21	2.7	45
G2 GENETICS	7390	<b>54.7</b>	--	--	--	--	110	--	--	9/25	2.0	38
G2 GENETICS	7420	48.4	--	--	--	--	97	--	--	9/26	2.3	48
G2 GENETICS	7439S	49.9	<b>80.6</b>	--	65.3	--	100	115	--	9/25	1.0	37
G2 GENETICS	7460	<b>57.4</b>	--	--	--	--	115	--	--	9/30	2.7	47
KANSAS AES	KS3406RR	<b>52.0</b>	--	49.4	--	--	105	--	96	9/22	2.3	40
MIDLAND	3411NR2	<b>50.8</b>	--	--	--	--	102	--	--	9/24	1.3	40
MIDLAND	3610NRR	<b>56.5</b>	<b>80.4</b>	--	68.5	--	114	115	--	9/21	2.3	39
MIDLAND	3631R2	46.4	--	--	--	--	93	--	--	9/21	1.7	42
MIDLAND	3740NR2	46.2	<b>69.9</b>	--	58.1	--	93	100	--	9/22	1.7	40
MIDLAND	3850NR2	<b>50.6</b>	<b>73.3</b>	--	62.0	--	102	104	--	9/24	1.0	44
MIDLAND	3861NR2	43.2	--	--	--	--	87	--	--	9/25	1.7	40
MIDLAND	3920NRS	<b>56.2</b>	<b>74.3</b>	--	65.3	--	113	106	--	9/22	1.7	39
MIDLAND	3981NR2	45.0	--	--	--	--	91	--	--	9/28	2.3	46
MIDLAND	4041NR2	42.9	--	--	--	--	86	--	--	9/25	1.3	39
MIDLAND	4329NRR	<b>55.3</b>	--	47.8	--	--	111	--	92	9/26	2.3	41
MIDLAND	4477NRR	<b>51.2</b>	--	52.2	--	--	103	--	101	9/26	2.0	39
M-PRIDE	MPG4611NRR	<b>50.8</b>	--	--	--	--	102	--	--	9/28	1.3	42
M-PRIDE	MPG4707NRR/STS	<b>57.4</b>	--	--	--	--	115	--	--	10/2	1.3	37
NUTECH	7359	49.0	<b>73.3</b>	--	61.2	--	99	104	--	9/23	1.7	37
NUTECH	7379	<b>52.1</b>	--	--	--	--	105	--	--	9/23	1.0	39
NUTECH	7386	<b>54.0</b>	<b>81.2</b>	<b>57.8</b>	67.6	64.3	109	116	112	9/20	1.3	38
NUTECH	7388	<b>57.0</b>	--	--	--	--	115	--	--	9/21	1.3	35
NUTECH	7416S	44.3	<b>76.6</b>	--	60.5	--	89	109	--	9/26	2.3	40
OHLDE	3921	<b>53.9</b>	--	--	--	--	108	--	--	9/23	1.3	35
OHLDE	451	48.2	--	--	--	--	97	--	--	9/29	1.7	43
PHILLIPS	369 NRS	<b>51.6</b>	--	--	--	--	104	--	--	9/21	1.7	40
PHILLIPS	381 NRR	<b>51.7</b>	--	--	--	--	104	--	--	9/23	1.3	39
PHILLIPS	385NRS	41.2	<b>72.7</b>	<b>58.1</b>	57.0	57.3	83	104	112	9/22	2.0	37
PHILLIPS	401 NRS	46.9	--	--	--	--	94	--	--	9/24	2.0	44
PHILLIPS	417 NRSE	48.2	68.0	51.7	58.1	56.0	97	97	100	9/24	1.3	40

**Table 4 continued. Topeka, Shawnee County Irrigated Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
PHILLIPS	429NRS	47.1	64.4	--	55.8	--	95	92	--	9/25	1.7	44
PHILLIPS	Ex 3701 NR2Y	40.3	--	--	--	--	81	--	--	9/24	1.0	42
PHILLIPS	Ex 3901 NR2Y	34.7	--	--	--	--	70	--	--	9/23	1.3	43
PHILLIPS	Ex 420 NR2Y	39.8	--	--	--	--	80	--	--	9/25	2.3	43
TAYLOR	Exp. 39002	45.7	--	--	--	--	92	--	--	9/24	1.7	41
TAYLOR	Exp. 42002	40.1	--	--	--	--	81	--	--	9/24	2.0	40
WILLCROSS	RR2381N	<b>52.5</b>	--	--	--	--	106	--	--	9/23	1.7	40
WILLCROSS	RR2397N	49.1	<b>77.3</b>	55.8	63.2	60.7	99	110	108	9/25	2.3	43
WILLCROSS	RR2470NSTS	<b>53.9</b>	<b>75.0</b>	51.0	64.5	60.0	108	107	99	9/27	2.0	42
WILLCROSS	RR2878NSTS	<b>54.8</b>	<b>73.8</b>	--	64.3	--	110	105	--	9/29	2.0	48
WILLCROSS	RY2431NSTS	44.8	--	--	--	--	90	--	--	9/25	1.3	39
WILLCROSS	RY2460S	<b>52.2</b>	--	--	--	--	105	--	--	9/30	1.3	44
WILLCROSS	RY2481S	<b>55.9</b>	--	--	--	--	112	--	--	10/1	2.7	41
	AVERAGES	49.7	70.2	51.7								
	CV (%)	14.0	12.4	8.9								
	LSD (0.10)	9.5	11.8	6.2								

Values in bold are in the upper LSD group.

**East Central Kansas Experiment Field, Ottawa, Franklin County; Bill Schapaugh, agronomist; James Kimball, technician**

Woodson silt loam, pH 6.9, na% OM; P test: M, K test: M Wet Spring leading into a dry late July and August. Good harvest conditions.

39-100-100 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 4.4 4.6 6.4 5.5 2.0 6.2 38.3

Planted 6/21/2010 at 8 seeds/ft; harvested 10/21/2010; 25 ft by 2-row plot; pesticides: 2 pts Prefix and 0.5 oz Dual, incorporated preplant; 1 qt Buccaner Plus and .5 oz Classic preemergence; 1 qt Buccaner Plus postemergence.

**Table 5. Ottawa, Franklin County Dryland Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4462NRR	56.4	--	42.5	--	--	105	--	99	10/17	1.0	29
ADVANCED GENETICS	AG4544NRS	51.9	--	--	--	--	97	--	--	10/17	1.0	32
ADVANCED GENETICS	AG4733S R2Y	<b>60.6</b>	--	--	--	--	113	--	--	10/17	1.0	30
DYNA-GRO	32RY40	55.3	--	--	--	--	103	--	--	10/15	1.0	34
DYNA-GRO	33A40	45.3	44.9	--	45.1	--	85	85	--	10/13	1.0	31
DYNA-GRO	33G48	53.3	--	--	--	--	99	--	--	10/20	1.0	34
DYNA-GRO	35G38	46.6	50.9	--	48.8	--	87	97	--	10/10	1.0	29
DYNA-GRO	35X43	55.2	--	--	--	--	103	--	--	10/2	1.0	29
DYNA-GRO	37A44	57.1	--	--	--	--	107	--	--	10/16	1.0	35
DYNA-GRO	37J34	39.7	--	--	--	--	74	--	--	10/2	1.0	29
DYNA-GRO	37RY47	<b>61.6</b>	--	--	--	--	115	--	--	10/16	1.0	30
FONTANELLE	478 NRR STS	60.2	<b>59.3</b>	45.4	59.8	55.0	112	113	106	10/19	1.0	31
FONTANELLE	78N18	50.9	--	--	--	--	95	--	--	10/10	1.0	23
FONTANELLE	86S40	60.5	--	--	--	--	113	--	--	10/19	1.0	29
FONTANELLE	9789 NRR	52.1	--	38.4	--	--	97	--	89	10/11	1.0	30
G2 GENETICS	6373	47.9	--	--	--	--	89	--	--	10/7	1.0	31
G2 GENETICS	7350	41.8	--	--	--	--	78	--	--	10/2	1.0	33
G2 GENETICS	7381	45.3	--	--	--	--	85	--	--	10/8	1.0	31
G2 GENETICS	7383	44.5	46.5	39.9	45.5	43.6	83	88	93	10/6	1.0	35
G2 GENETICS	7385	49.0	--	--	--	--	91	--	--	10/9	1.0	32
G2 GENETICS	7390	52.0	--	--	--	--	97	--	--	10/10	1.0	27
G2 GENETICS	7392	50.2	50.9	--	50.6	--	94	97	--	10/9	1.0	32
G2 GENETICS	7420	55.0	--	--	--	--	103	--	--	10/13	1.0	33
G2 GENETICS	7460	53.3	--	--	--	--	99	--	--	10/19	1.0	33
KANSAS AES	KS3406RR	46.5	56.4	37.0	51.5	46.6	87	107	86	10/5	1.0	28
MIDLAND	3738NRR	48.7	50.3	38.1	49.5	45.7	91	95	89	10/7	1.0	29
MIDLAND	3740NR2	46.5	--	--	--	--	87	--	--	10/5	1.0	31
MIDLAND	3850NR2	50.3	54.0	--	52.2	--	94	102	--	10/10	1.0	31
MIDLAND	3861NR2	45.7	--	--	--	--	85	--	--	10/8	1.0	28



Table 5 continued. Ottawa, Franklin County Dryland Soybean Performance Test, 2008-2010

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
MIDLAND	3981NR2	53.0	--	--	--	--	99	--	--	10/12	1.0	34
MIDLAND	4041NR2	53.8	--	--	--	--	100	--	--	10/14	1.0	29
MIDLAND	4270NR2	52.8	55.5	--	54.2	--	99	105	--	10/14	1.0	30
MIDLAND	4329NRR	57.3	58.2	43.2	57.8	52.9	107	110	100	10/15	1.3	31
MIDLAND	4477NRR	52.4	54.5	43.8	53.5	50.2	98	103	102	10/14	1.0	29
MIDLAND	4506NRR	53.3	58.2	42.9	55.8	51.5	99	110	100	10/14	1.3	36
MIDLAND	4580RS2	<b>61.0</b>	54.5	--	57.8	--	114	103	--	10/16	1.0	27
MIDLAND	4768NRR	60.4	52.9	<b>49.9</b>	56.7	54.4	113	100	116	10/21	1.0	30
MIDLAND	4770NRR	58.0	53.9	--	56.0	--	108	102	--	10/19	1.3	38
MIDLAND	4839NRS	56.3	50.9	--	53.6	--	105	97	--	10/20	1.3	36
MORSOY	R2 4629	55.7	--	--	--	--	104	--	--	10/19	1.0	29
MORSOY	R2 4960	<b>63.1</b>	--	--	--	--	118	--	--	10/21	1.0	31
MORSOY	R2 5110N	58.5	--	--	--	--	109	--	--	10/24	1.0	29
MORSOY	R2 5200N	52.6	--	--	--	--	98	--	--	10/22	1.0	32
MORSOY	R2 5400N	60.4	--	--	--	--	113	--	--	10/26	1.0	34
MORSOY	R2S 4740	59.1	--	--	--	--	110	--	--	10/19	1.0	29
MORSOY	R2S 4810	59.3	--	--	--	--	111	--	--	10/20	1.0	30
MORSOY	RT 4485N	57.3	<b>61.4</b>	43.2	59.4	54.0	107	117	100	10/17	1.0	35
MORSOY	RT 4707N	57.1	--	45.6	--	--	107	--	106	10/20	1.0	34
MORSOY	RTS 4824	<b>62.0</b>	--	<b>46.5</b>	--	--	116	--	108	10/20	1.0	33
MORSOY	RTS 5150N	<b>64.4</b>	--	--	--	--	120	--	--	10/27	1.0	32
M-PRIDE	MPG4577NRR	52.1	--	--	--	--	97	--	--	10/15	1.0	33
M-PRIDE	MPG4611NRR	<b>61.1</b>	--	--	--	--	114	--	--	10/18	1.0	30
NUTECH	3909SRN	49.5	51.4	41.9	50.5	47.6	92	98	97	10/10	1.0	27
NUTECH	7359	43.8	--	--	--	--	82	--	--	10/9	1.0	29
NUTECH	7379	48.4	--	--	--	--	90	--	--	10/9	1.0	30
NUTECH	7388	46.4	--	--	--	--	87	--	--	10/6	1.0	30
NUTECH	7425S	57.6	--	--	--	--	107	--	--	10/17	1.0	28
OHLDE	3721	48.0	--	--	--	--	90	--	--	10/9	1.0	30
OHLDE	391	52.6	--	--	--	--	98	--	--	10/10	1.0	30
OHLDE	4595	55.1	55.1	45.1	55.1	51.8	103	105	105	10/16	1.0	36
PHILLIPS	381 NRR	46.3	--	--	--	--	86	--	--	10/8	1.0	28
PHILLIPS	401 NRS	52.4	--	--	--	--	98	--	--	10/13	1.0	32
PHILLIPS	417 NRSE	51.5	53.4	--	52.5	--	96	101	--	10/15	1.0	29
PHILLIPS	486NRS	59.9	53.5	--	56.7	--	112	102	--	10/20	1.0	32
TAYLOR	461-2R	<b>62.5</b>	<b>61.2</b>	--	61.9	--	117	116	--	10/18	1.0	30
TAYLOR	487RRS	<b>61.3</b>	58.4	<b>45.9</b>	59.9	55.2	114	111	107	10/20	1.0	33
TAYLOR	Exp. 42002	50.5	--	--	--	--	94	--	--	10/15	1.0	29
WILLCROSS	RR2381N	50.3	--	--	--	--	94	--	--	10/10	1.0	30
WILLCROSS	RR2397N	47.2	49.0	41.5	48.1	45.9	88	93	97	10/10	1.0	32
WILLCROSS	RR2470NSTS	53.7	53.4	<b>46.3</b>	53.6	51.1	100	101	108	10/16	1.0	25
WILLCROSS	RR2878NSTS	54.3	53.3	--	53.8	--	101	101	--	10/15	1.0	35
WILLCROSS	RY2431NSTS	53.1	--	--	--	--	99	--	--	10/15	1.0	28
WILLCROSS	RY2460S	60.2	--	--	--	--	112	--	--	10/17	1.0	31
WILLCROSS	RY2481S	<b>61.0</b>	--	--	--	--	114	--	--	10/20	1.0	31
	AVERAGES	53.6	52.7	43.0								
	CV (%)	6.6	7.5	9.9								
	LSD (0.10)	3.9	4.5	5.0								

Values in bold are in the upper LSD group.

**Southeast Agricultural Research Center, Columbus, Cherokee County; Kelly Kusel, technician**

Parsons silt loam, pH 5.8, 1.7% OM; P test: M, K test: M Very wet spring and early summer. Good harvest conditions.  
18-46-60 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 1.6 6.9 5.0 8.0 1.5 7.6 30.5

Planted 6/2/2010 at 7 seeds/ft; harvested 10/20/2010; 17 ft by 2-row plot; pesticides: 1 Pint Dual II Mag, 3 oz Canopy XL preemergence. 32 oz Gly4 postemergence.

**Table 6. Columbus, Cherokee County Dryland Soybean Performance Test, Maturity Group III-IV, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4733S R2Y	<b>39.1</b>	--	--	--	--	114	--	--	9/29	1.5	40
ASGROW	AG4606	34.0	--	--	--	--	99	--	--	9/25	1.5	39
ASGROW	AG4730	36.6	--	--	--	--	106	--	--	9/30	2.3	40
ASGROW	EXP946R2	33.6	--	--	--	--	98	--	--	9/24	2.3	42
DYNA-GRO	32RY40	32.3	--	--	--	--	94	--	--	9/24	2.0	43
DYNA-GRO	33A40	32.5	55.1	49.4	43.8	45.7	94	93	97	9/20	1.3	41
DYNA-GRO	35G38	18.5	50.8	--	34.7	--	54	86	--	9/13	1.0	32
DYNA-GRO	35X43	37.1	--	--	--	--	108	--	--	9/22	2.0	41
DYNA-GRO	37A44	35.2	<b>63.1</b>	48.7	49.2	49.0	102	107	96	9/24	2.5	45
DYNA-GRO	37J34	27.1	--	--	--	--	79	--	--	9/13	1.0	36
DYNA-GRO	37RY47	<b>41.4</b>	--	--	--	--	120	--	--	9/29	2.3	38
FONTANELLE	478 NRR STS	<b>38.6</b>	<b>62.8</b>	<b>55.6</b>	50.7	52.3	112	106	110	10/1	2.0	43
FONTANELLE	86S40	37.2	--	--	--	--	108	--	--	10/1	1.8	38
GOLDEN HARVEST	S44-D5	31.0	--	--	--	--	90	--	--	9/29	1.8	35
KANSAS AES	KS3406RR	23.7	48.7	--	36.2	--	69	83	--	9/13	1.3	37
MIDLAND	4041NR2	32.8	--	--	--	--	95	--	--	9/22	1.8	41
MIDLAND	4270NR2	34.8	56.7	--	45.8	--	101	96	--	9/23	1.5	41
MIDLAND	4329NRR	34.1	59.1	--	46.6	--	99	100	--	9/22	2.3	45
MIDLAND	4477NRR	36.2	58.9	50.2	47.6	48.4	105	100	99	9/19	1.3	40
MIDLAND	4506NRR	31.8	<b>63.2</b>	50.9	47.5	48.6	92	107	100	9/22	2.3	49
MIDLAND	4580RS2	<b>40.0</b>	<b>61.7</b>	--	50.9	--	116	105	--	9/29	1.5	41
MIDLAND	4768NRR	34.9	<b>61.8</b>	49.3	48.4	48.7	101	105	97	10/2	2.3	45
MIDLAND	4770NRR	36.3	59.3	--	47.8	--	106	101	--	10/1	2.0	44
MORSOY	RT 4485N	<b>38.9</b>	--	--	--	--	113	--	--	9/26	2.5	47
M-PRIDE	MPG4577NRR	36.7	--	--	--	--	107	--	--	9/21	1.3	43
NK	S46-U6	32.7	--	<b>55.5</b>	--	--	95	--	109	10/4	2.0	43
TAYLOR	461-2R	<b>39.6</b>	--	--	--	--	115	--	--	9/28	2.0	39
WILLCROSS	RR2470NSTS	35.1	--	--	--	--	102	--	--	9/22	2.5	42
WILLCROSS	RR2878NSTS	32.2	--	--	--	--	94	--	--	9/25	2.0	42
WILLCROSS	RY2481S	37.2	--	--	--	--	108	--	--	10/4	2.5	41
	AVERAGES	34.4	59.0	50.7								
	CV (%)	9.2	4.0	6.5								
	LSD (0.10)	3.7	2.8	3.9								

Values in bold are in the upper LSD group.

**Southeast Agricultural Research Center, Columbus, Cherokee County; Kelly Kusel, technician**

Parsons silt loam, pH 5.8, 1.7% OM; P test: M, K test: M Very wet spring and early summer. Good harvest conditions.  
18-46-60 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 1.6 6.9 5.0 8.0 1.5 7.6 30.5

Planted 6/2/2010 at 7 seeds/ft; harvested 11/1/2010; 17 ft by 2-row plot; pesticides: 1 Pint Dual II Mag, 3 oz Canopy XL preemergence. 32 oz Gly4 postemergence.

**Table 7. Columbus, Cherokee County Dryland Soybean Performance Test, Maturity Groups IV-V, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG5022NRS	29.2	--	47.5	--	--	87	--	101	10/4	1.8	39
ADVANCED GENETICS	AG5570NRS	33.5	--	43.8	--	--	99	--	93	10/16	1.8	39
ASGROW	AG4903	<b>41.8</b>	--	47.1	--	--	124	--	100	10/9	2.0	39
ASGROW	AG4907	39.0	--	--	--	--	116	--	--	10/4	2.3	46
ASGROW	AG5331	35.7	--	--	--	--	106	--	--	10/13	1.3	35
ASGROW	AG5405	<b>43.8</b>	--	--	--	--	130	--	--	10/14	1.3	35
ASGROW	AG5503	<b>41.6</b>	--	--	--	--	123	--	--	10/15	1.5	42
ASGROW	AG5605	37.8	--	<b>51.6</b>	--	--	112	--	109	10/16	1.3	35
ASGROW	EXP948R2	38.0	--	--	--	--	113	--	--	9/27	1.3	44
DYNA-GRO	33G48	31.4	--	--	--	--	93	--	--	10/5	2.3	41
GOLDEN HARVEST	S49-A5	23.0	--	--	--	--	68	--	--	9/22	1.3	41
KANSAS AES	K04-3083RR	35.9	--	--	--	--	107	--	--	10/7	2.0	44
KANSAS AES	KS5507NRR	33.8	48.0	49.3	40.9	43.7	100	83	104	10/18	2.5	38
MIDLAND	4839NRS	23.1	<b>55.8</b>	--	39.5	--	69	96	--	10/2	1.8	39
MIDLAND	5197NRS	31.7	<b>54.8</b>	50.7	43.3	45.7	94	95	107	10/14	2.0	37
MORSOY	R2 4960	38.5	--	--	--	--	114	--	--	10/4	2.0	39
MORSOY	R2 5110N	38.6	--	--	--	--	115	--	--	10/8	1.0	28
MORSOY	R2 5200N	38.1	--	--	--	--	113	--	--	10/11	1.5	39
MORSOY	R2 5400N	31.2	--	--	--	--	93	--	--	10/16	1.0	41
MORSOY	R2S 4810	34.8	--	--	--	--	103	--	--	9/27	1.3	39
MORSOY	RT 4707N	32.7	--	--	--	--	97	--	--	10/1	1.8	42
MORSOY	RTS 4824	<b>40.1</b>	<b>64.2</b>	49.7	52.2	51.3	119	111	105	10/1	1.8	41
MORSOY	RTS 5150N	<b>40.2</b>	--	--	--	--	119	--	--	10/14	2.3	38
NK	S48-C9	33.7	--	--	--	--	100	--	--	10/1	1.3	40
NK	S52-F2	38.3	--	<b>51.4</b>	--	--	114	--	109	10/12	2.3	36
PIONEER	95Y40	37.9	<b>53.0</b>	<b>51.5</b>	45.5	47.5	112	92	109	10/15	1.3	37
PROGENY	4807RR	32.8	<b>62.1</b>	--	47.5	--	97	107	--	10/1	2.3	44
PROGENY	4810RY	35.3	--	--	--	--	105	--	--	9/30	2.3	39
PROGENY	4906RR	34.7	<b>60.1</b>	--	47.4	--	103	104	--	10/4	1.8	41
PROGENY	4908RR	<b>41.1</b>	--	--	--	--	122	--	--	10/4	2.0	44
PROGENY	4949RR	30.3	<b>56.1</b>	--	43.2	--	90	97	--	10/11	2.3	43
PROGENY	P4920RY	33.7	--	--	--	--	100	--	--	10/2	2.5	42
TAYLOR	487RRS	39.0	<b>61.6</b>	--	50.3	--	116	106	--	10/4	1.8	42
TAYLOR	495RRS	34.5	<b>61.9</b>	47.0	48.2	47.8	102	107	100	10/2	2.0	39
WILLCROSS	RR2490NSTS	35.6	--	--	--	--	106	--	--	10/3	2.0	39
WILLCROSS	RR2498NSTS	28.2	--	--	--	--	84	--	--	10/6	1.0	41
WILLCROSS	RR2507NSTS	33.3	--	42.6	--	--	99	--	90	10/6	1.8	42
WILLCROSS	RR2544NSTS	36.3	--	<b>53.7</b>	--	--	108	--	114	10/12	1.5	38
	AVERAGES	33.7	<b>57.9</b>	47.2								
	CV (%)	9.6	4.1	8.3								
	LSD (0.10)	4.0	2.7	4.6								

Values in bold are in the upper LSD group.

**Dale Roberds Farm, Pittsburg, Cherokee County; Bill Schapaugh, agronomist**

Parsons silt loam, pH 6.2, na% OM; P test: VH, K test: VH Double-cropped following wheat and planted into heavy residue. Good stands and timely rainfall resulted in excellent yields.  
 0-0-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 1.3 5.5 5.5 6.8 0.4 3.5 27.7

Planted 6/22/2010 at 7 seeds/ft; harvested 11/3/2010; 15 ft by 2-row plot; pesticides: Glyphosate applied preplant and postemergence.

**Table 8. Pittsburg, Cherokee County No-Till Double-Cropped Soybean Performance Test, Maturity Groups III-IV, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ASGROW	AG4730	44.4	--	--	--	--	102	--	--	10/17	1.5	31
ASGROW	EXP946R2	<b>52.9</b>	--	--	--	--	121	--	--	10/14	2.0	34
DYNA-GRO	35X43	35.0	--	--	--	--	80	--	--	10/5	1.3	28
DYNA-GRO	37A44	48.3	36.7	38.9	42.5	41.3	111	92	96	10/7	1.0	34
DYNA-GRO	37RY47	45.9	--	--	--	--	105	--	--	10/16	1.8	29
KANSAS AES	KS3406RR	28.0	--	--	--	--	64	--	--	10/2	1.0	27
PIONEER	94Y70	43.1	42.2	--	42.7	--	99	106	--	10/8	1.0	33
WILLCROSS	RR2470NSTS	44.2	--	--	--	--	101	--	--	10/11	1.0	33
WILLCROSS	RR2878NSTS	46.1	--	--	--	--	105	--	--	10/8	1.0	32
WILLCROSS	RY2481S	49.5	--	--	--	--	113	--	--	10/17	1.0	31
	AVERAGES	43.7	39.9	40.4								
	CV (%)	5.5	10.4	10.1								
	LSD (0.10)	2.9	4.8	4.9								

Values in bold are in the upper LSD group.

**Dale Roberds Farm, Pittsburg, Cherokee County; Bill Schapaugh, agronomist**

Parsons silt loam, pH 6.2, na% OM; P test: VH, K test: VH Double-cropped following wheat and planted into heavy residue. Good stands and timely rainfall resulted in excellent yields.  
 0-0-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 1.3 5.5 5.5 6.8 0.4 3.5 27.7

Planted 6/22/2010 at 7 seeds/ft; harvested 11/3/2010; 15 ft by 2-row plot; pesticides: Glyphosate applied preplant and postemergence.

**Table 9. Pittsburg, Cherokee County No-Till Double-Cropped Soybean Performance Test, Maturity Groups IV-V, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ASGROW	AG4907	<b>54.4</b>	--	--	--	--	118	--	--	10/16	1.5	37
ASGROW	AG5331	39.0	--	--	--	--	85	--	--	10/15	1.0	28
ASGROW	EXP948R2	42.7	--	--	--	--	93	--	--	10/12	1.5	30
DYNA-GRO	33G48	45.7	--	--	--	--	99	--	--	10/16	1.0	33
KANSAS AES	K04-3083RR	<b>51.6</b>	<b>41.6</b>	--	46.6	--	112	123	--	10/18	1.3	37
KANSAS AES	KS5507NRR	48.5	29.6	<b>46.3</b>	39.1	41.5	105	87	111	10/19	2.0	30
MIDLAND	4839NRS	44.6	<b>43.9</b>	--	44.3	--	97	130	--	10/13	1.0	33
MIDLAND	5197NRS	46.0	35.5	--	40.8	--	100	105	--	10/19	1.0	33
PIONEER	94Y80	42.1	36.1	--	39.1	--	92	106	--	10/14	1.5	33
PIONEER	95Y01	47.0	35.3	--	41.2	--	102	104	--	10/15	1.8	33
PIONEER	95Y30	46.4	--	--	--	--	101	--	--	10/18	1.8	34
WILLCROSS	RR2490NSTS	35.8	30.2	--	33.0	--	78	89	--	10/3	1.0	26
WILLCROSS	RR2498NSTS	46.1	<b>43.1</b>	--	44.6	--	100	127	--	10/14	1.8	34
WILLCROSS	RR2507NSTS	47.1	37.6	--	42.4	--	102	111	--	10/15	2.0	33
WILLCROSS	RR2544NSTS	<b>53.4</b>	33.4	--	43.4	--	116	99	--	10/18	1.5	29
	AVERAGES	46.0	33.9	41.6								
	CV (%)	9.1	13.8	6.7								
	LSD (0.10)	5.0	5.4	3.3								

Values in bold are in the upper LSD group.

**Vernon Egbert Farm, McCune, Crawford County; Bill Schapaugh, agronomist**

Cherokee silt loam, pH 5.8, na% OM; P test: M, K test: M Good stands and timely rainfall resulted in good yields. Good harvest conditions.  
0-0-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 1.4 6.3 5.6 7.6 1.1 6.6 28.6

Planted 6/23/2010 at 7 seeds/ft; harvested 11/5/2010; 11 ft by 2-row plot; pesticides: 6 oz Blanket and .6 oz First Rate preemergence.

**Table 10. McCune, Crawford County Dryland Soybean Performance Test, Maturity Groups III-IV, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4733S R2Y	37.1	--	--	--	--	109	--	--	10/17	1.3	24
ASGROW	AG4730	34.7	--	--	--	--	102	--	--	10/17	1.3	22
ASGROW	EXP946R2	32.9	--	--	--	--	96	--	--	10/15	1.8	24
DYNA-GRO	37A44	34.3	--	35.3	--	--	101	--	94	10/15	1.0	28
FONTANELLE	478 NRR STS	34.0	59.8	37.4	46.9	43.7	100	108	99	10/18	1.3	21
FONTANELLE	86S40	35.8	--	--	--	--	105	--	--	10/17	1.3	22
KANSAS AES	KS3406RR	26.7	48.5	--	37.6	--	78	88	--	10/7	1.0	21
MIDLAND	4506NRR	38.3	--	39.0	--	--	112	--	104	10/9	1.5	30
MIDLAND	4580RS2	34.6	59.5	--	47.1	--	101	108	--	10/15	1.3	23
MIDLAND	4768NRR	34.6	58.1	<b>41.4</b>	46.4	44.7	101	105	110	10/16	1.0	26
MIDLAND	4770NRR	33.3	54.4	--	43.9	--	98	99	--	10/16	1.0	26
MORSOY	R2 4629	35.5	--	--	--	--	104	--	--	10/17	1.8	22
MORSOY	R2S 4740	32.5	--	--	--	--	95	--	--	10/16	1.0	22
MORSOY	RT 4485N	34.6	--	--	--	--	101	--	--	10/16	1.3	28
MORSOY	RT 4707N	32.5	--	36.1	--	--	95	--	96	10/18	1.0	24
TAYLOR	461-2R	36.7	58.2	--	47.5	--	108	105	--	10/16	1.0	22
WILLCROSS	RR2470NSTS	31.3	--	--	--	--	92	--	--	10/11	1.0	23
WILLCROSS	RR2878NSTS	32.5	--	--	--	--	95	--	--	10/13	1.3	25
WILLCROSS	RY2481S	36.8	--	--	--	--	108	--	--	10/16	1.0	25
	AVERAGES	34.1	55.2	37.6								
	CV (%)	6.4	2.7	5.7								
	LSD (0.10)	2.6	1.8	2.5								

Values in bold are in the upper LSD group.

**Vernon Egbert Farm, McCune, Crawford County; Bill Schapaugh, agronomist**

Cherokee silt loam, pH 5.8, na% OM; P test: M, K test: M Good stands and timely rainfall resulted in good yields. Good harvest conditions.  
0-0-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 1.4 6.3 5.6 7.6 1.1 6.6 28.6

Planted 6/23/2010 at 7 seeds/ft; harvested 11/5/2010; 11 ft by 2-row plot; pesticides: 6 oz Blanket and .6 oz First Rate preemergence.

**Table 11. McCune, Crawford County Dryland Soybean Performance Test, Maturity Groups IV-V, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG5022NRS	33.9	--	40.5	--	--	92	--	106	10/17	1.3	24
ADVANCED GENETICS	AG5570NRS	35.6	--	34.5	--	--	97	--	90	10/22	1.0	29
ASGROW	AG4907	37.4	--	--	--	--	102	--	--	10/20	1.0	29
ASGROW	AG5331	38.0	--	--	--	--	104	--	--	10/20	1.5	25
ASGROW	EXP948R2	38.0	--	--	--	--	104	--	--	10/15	1.3	26
KANSAS AES	K04-3083RR	36.9	--	--	--	--	101	--	--	10/17	1.5	30
KANSAS AES	KS5507NRR	37.6	35.6	35.4	36.6	36.2	102	76	93	10/23	1.0	26
MIDLAND	4839NRS	32.8	49.6	--	41.2	--	89	106	--	10/16	1.0	25
MIDLAND	5197NRS	37.3	38.3	40.8	37.8	38.8	102	82	107	10/21	1.0	26
MORSOY	R2 4960	<b>40.5</b>	--	--	--	--	110	--	--	10/14	1.0	26
MORSOY	R2 5110N	32.9	--	--	--	--	90	--	--	10/20	1.3	22
MORSOY	R2 5200N	35.5	--	--	--	--	97	--	--	10/17	2.0	27
MORSOY	R2 5400N	37.5	--	--	--	--	102	--	--	10/20	1.0	24
MORSOY	R2S 4810	<b>38.7</b>	--	--	--	--	105	--	--	10/14	1.3	25
MORSOY	RTS 4824	38.0	--	--	--	--	104	--	--	10/19	1.3	25
MORSOY	RTS 5150N	32.1	--	--	--	--	87	--	--	10/22	2.0	24

**Table 11 continued. McCune, Crawford County Dryland Soybean Performance Test, Maturity Groups IV-V, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
PROGENY	4807RR	35.7	<b>53.8</b>	--	44.8	--	97	115	--	10/19	1.0	24
PROGENY	4810RY	<b>38.6</b>	--	--	--	--	105	--	--	10/14	1.0	23
PROGENY	4906RR	36.4	<b>52.1</b>	--	44.3	--	99	112	--	10/16	1.5	28
PROGENY	4908RR	37.7	--	--	--	--	103	--	--	10/17	1.0	24
PROGENY	4949RR	36.6	49.6	--	43.1	--	100	106	--	10/18	1.0	27
PROGENY	P4920RY	<b>41.1</b>	--	--	--	--	112	--	--	10/16	1.0	24
TAYLOR	495RRS	36.9	<b>53.5</b>	<b>42.1</b>	45.2	44.2	101	115	110	10/17	1.0	23
WILLCROSS	RR2490NSTS	36.3	--	--	--	--	99	--	--	10/17	1.0	21
WILLCROSS	RR2498NSTS	33.5	--	--	--	--	91	--	--	10/18	1.5	23
WILLCROSS	RR2507NSTS	34.2	--	--	--	--	93	--	--	10/18	1.5	25
WILLCROSS	RR2544NSTS	<b>41.1</b>	--	--	--	--	112	--	--	10/17	1.0	26
	AVERAGES	36.7	46.7	38.2								
	CV (%)	6.0	5.8	9.2								
	LSD (0.10)	2.6	3.1	4.1								

Values in bold are in the upper LSD group.

**Joe Harris Farm, Erie, Neosho County; Kelly Kusel, technician**

Lanton silt loam, pH 5.9, 2.1% OM; P test: H, K test: VH Very wet spring and early summer. Good harvest conditions.  
0-0-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 1.0 5.6 4.2 9.0 2.2 8.3 30.2

Planted 5/27/2010 at 9 seeds/ft; harvested 10/18/2010; 11 ft by 2-row plot; pesticides: 1 Pint Dual II Mag, 3 oz Canopy XL preemergence. 2 oz Butyrac and 0.25 oz Classic postemergence. 22 oz Roudup PM and 0.25 oz Classic.

**Table 12. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups III-IV, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4544NRS	54.6	--	--	--	--	91	--	--	10/3	3.5	42
ADVANCED GENETICS	AG4733S R2Y	<b>59.5</b>	--	--	--	--	99	--	--	10/1	3.8	40
ASGROW	AG4606	<b>61.1</b>	--	--	--	--	102	--	--	10/1	2.3	47
ASGROW	AG4730	<b>60.1</b>	--	--	--	--	100	--	--	10/1	3.0	40
ASGROW	EXP946R2	<b>62.5</b>	--	--	--	--	104	--	--	9/29	3.5	45
FONTANELLE	478 NRR STS	<b>61.4</b>	--	<b>54.0</b>	--	--	102	--	105	10/6	3.3	44
FONTANELLE	86S40	<b>64.2</b>	--	--	--	--	107	--	--	10/1	3.0	41
GOLDEN HARVEST	S44-D5	<b>60.3</b>	--	--	--	--	101	--	--	9/28	2.5	44
KANSAS AES	KS3406RR	47.3	40.9	--	44.1	--	79	72	--	9/21	4.5	41
MIDLAND	4477NRR	<b>64.0</b>	--	51.0	--	--	107	--	99	9/29	2.8	39
MIDLAND	4580RS2	<b>61.5</b>	<b>64.2</b>	--	62.9	--	103	114	--	10/4	2.8	41
MIDLAND	4768NRR	58.6	58.9	<b>53.8</b>	58.8	57.1	98	104	104	10/5	2.0	44
MIDLAND	4770NRR	<b>59.5</b>	57.1	--	58.3	--	99	101	--	10/7	2.3	46
MORSOY	RT 4485N	<b>63.9</b>	--	--	--	--	107	--	--	10/2	3.3	47
TAYLOR	461-2R	<b>62.1</b>	<b>61.1</b>	--	61.6	--	104	108	--	10/2	3.0	40
	AVERAGES	<b>60.0</b>	56.5	51.5								
	CV (%)	6.9	8.3	8.3								
	LSD (0.10)	4.9	5.0	5.0								

Values in bold are in the upper LSD group.

**Joe Harris Farm, Erie, Neosho County; Kelly Kusel, technician**

Lanton silt loam, pH 5.9, 2.1% OM; P test: H, K test: VH Very wet spring and early summer. Good harvest conditions.  
0-0-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total  
Rainfall: 1.0 5.6 4.2 9.0 2.2 8.3 30.2

Planted 5/27/2010 at 8 seeds/ft; harvested 10/18/2010; 11 ft by 2-row plot; pesticides: 1 Pint Dual II Mag, 3 oz Canopy XL preemergence. 2 oz Butyrac and 0.25 oz Classic postemergence. 22 oz Roudup PM and 0.25 oz Classic

**Table 13. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups IV-V, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ASGROW	AG4907	<b>64.2</b>	--	--	--	--	115	--	--	10/5	1.8	47
ASGROW	AG5405	<b>60.1</b>	--	--	--	--	108	--	--	10/12	1.0	32
ASGROW	EXP948R2	<b>62.0</b>	--	--	--	--	111	--	--	10/1	2.0	45
GOLDEN HARVEST	S49-A5	49.5	--	--	--	--	89	--	--	9/29	3.3	41
KANSAS AES	K04-3083RR	54.8	--	--	--	--	98	--	--	10/9	3.8	48
KANSAS AES	KS5507NRR	49.2	43.5	32.0	46.4	41.6	88	88	73	10/12	1.0	32
MIDLAND	4839NRS	49.7	53.1	--	51.4	--	89	108	--	10/4	3.0	43
NK	S48-C9	54.6	--	--	--	--	98	--	--	10/1	2.5	40
PROGENY	4807RR	57.5	<b>57.6</b>	--	57.6	--	103	117	--	10/4	2.5	44
PROGENY	4810RY	<b>60.5</b>	--	--	--	--	108	--	--	10/3	2.5	40
PROGENY	4906RR	57.1	51.8	--	54.5	--	102	105	--	10/5	2.3	46
PROGENY	4908RR	55.3	--	--	--	--	99	--	--	10/8	2.5	46
PROGENY	4949RR	49.1	48.2	--	48.7	--	88	98	--	10/7	3.5	45
PROGENY	P4920RY	<b>59.0</b>	--	--	--	--	106	--	--	10/7	1.8	43
	AVERAGES	55.9	49.3	43.6								
	CV (%)	9.3	7.3	8.0								
	LSD (0.10)	6.3	4.2	4.1								

Values in bold are in the upper LSD group.

**North Central Experiment Field, Scandia, Republic County; Michael Larson and Doug Stensaas, technicians**

Crete silt loam, pH 6.8, na% OM; P test: M, K test: VH Wet spring conditions delayed planting. Normal temperature and precipitation patterns gave way to hot dry weather late in the season.  
0-0-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total  
Rainfall: 4.2 3.5 5.3 1.8 2.2 2.0 26.1  
Irrigation: 3.3 2.2 5.50

Planted 5/29/2010 at 9 seeds/ft; harvested 10/8/2010; 26 ft by 2-row plot; pesticides: 1 qt. Roundup, 1 pt. 2,4-D preplant. 1 qt Roundup, 1 pt. Flexstar, 0.3 oz. FirstRate, 8 oz. Fusion preemergence.

**Table 14. Scandia, Republic County Irrigated Soybean Performance Test, 2007-2010**

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2007	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2007	Mat	Lodge score	Ht (in)
ASGROW	AG3039	56.0	--	--	--	--	99	--	--	--	1.7	38
ASGROW	AG3130	<b>58.5</b>	--	--	--	--	104	--	--	--	1.0	41
ASGROW	AG3730	<b>61.6</b>	--	--	--	--	109	--	--	--	1.0	38
ASGROW	AG3731	55.4	--	--	--	--	98	--	--	--	1.0	41
ASGROW	AG3803	<b>66.0</b>	--	--	--	--	117	--	--	--	1.0	43
DYNA-GRO	32RY40	50.1	--	--	--	--	89	--	--	--	1.0	47
DYNA-GRO	33A40	49.5	--	--	--	--	88	--	--	--	1.0	42
DYNA-GRO	35G38	53.5	77.9	68.3	65.7	66.6	95	99	99	--	1.0	39
DYNA-GRO	35RY33	52.3	--	--	--	--	93	--	--	--	1.0	41
DYNA-GRO	37J34	<b>61.0</b>	--	--	--	--	108	--	--	--	1.3	39
DYNA-GRO	37P37	48.3	78.7	--	63.5	--	85	100	--	--	1.0	41
DYNA-GRO	37T33	53.6	--	--	--	--	95	--	--	--	1.3	35
FONTANELLE	78N18	54.0	77.3	--	65.7	--	96	98	--	--	1.0	42
FONTANELLE	78N71	56.1	--	--	--	--	99	--	--	--	1.0	41
FONTANELLE	9789 NRR	52.0	78.5	--	65.3	--	92	100	--	--	1.0	43
G2 GENETICS	6373	55.0	--	--	--	--	97	--	--	--	1.3	41
G2 GENETICS	7373	<b>64.2</b>	76.6	--	70.4	--	114	98	--	--	1.0	39
G2 GENETICS	7383	53.9	78.0	--	66.0	--	95	99	--	--	1.0	47

**Table 14 continued. Scandia, Republic County Irrigated Soybean Performance Test, 2007-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2007	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2007	Mat	Lodge score	Ht (in)
G2 GENETICS	7385	57.6	--	--	--	--	102	--	--	--	1.7	45
G2 GENETICS	7390	<b>60.2</b>	--	--	--	--	107	--	--	--	1.0	38
G2 GENETICS	7420	52.1	--	--	--	--	92	--	--	--	1.3	45
G2 GENETICS	7439S	54.0	--	--	--	--	96	--	--	--	1.0	38
KANSAS AES	KS3406RR	<b>58.8</b>	77.6	<b>74.5</b>	68.2	70.3	104	99	108	--	2.0	42
NK	S36-B6	<b>61.2</b>	<b>86.5</b>	--	73.9	--	108	110	--	--	1.0	39
NK	S37-P5	57.9	80.4	--	69.2	--	102	102	--	--	1.3	42
NK	S38-H8 Brand	55.9	--	--	--	--	99	--	--	--	1.0	39
NK	S39-A3	<b>65.3</b>	<b>88.2</b>	--	76.8	--	116	112	--	--	1.0	42
OHLDE	332	<b>59.3</b>	80.1	--	69.7	--	105	102	--	--	1.0	43
OHLDE	377	56.9	--	--	--	--	101	--	--	--	1.0	43
OHLDE	3921	<b>61.6</b>	--	--	--	--	109	--	--	--	1.0	40
PHILLIPS	321 NRR	<b>61.4</b>	--	--	--	--	109	--	--	--	1.0	38
PHILLIPS	369 NRS	51.0	--	--	--	--	90	--	--	--	1.7	38
PHILLIPS	381 NRR	56.9	--	--	--	--	101	--	--	--	1.7	40
PHILLIPS	385NRS	52.6	77.1	--	64.9	--	93	98	--	--	1.0	37
PHILLIPS	401 NRS	50.0	--	--	--	--	89	--	--	--	1.0	42
PHILLIPS	417 NRSE	56.8	82.1	--	69.5	--	101	105	--	--	1.0	38
SYLVESTER	3439NRR	<b>61.9</b>	81.9	--	71.9	--	110	104	--	--	1.0	35
SYLVESTER	3610NRR	52.6	81.3	--	67.0	--	93	104	--	--	1.3	39
SYLVESTER	3631R2	55.8	--	--	--	--	99	--	--	--	1.0	43
SYLVESTER	3850NR2	57.4	79.0	--	68.2	--	102	101	--	--	1.3	42
SYLVESTER	3861NR2	58.1	--	--	--	--	103	--	--	--	1.0	40
SYLVESTER	3920NRS	<b>61.2</b>	80.1	--	70.7	--	108	102	--	--	1.0	38
SYLVESTER	3981NR2	48.8	--	--	--	--	86	--	--	--	1.3	43
SYLVESTER	4041NR2	49.3	--	--	--	--	87	--	--	--	1.0	40
TAYLOR	Exp. 33002	53.1	--	--	--	--	94	--	--	--	1.0	41
TAYLOR	Exp. 39002	51.2	--	--	--	--	91	--	--	--	1.0	42
	AVERAGES	56.5	78.5	69.3								
	CV (%)	10.6	3.7	3.6								
	LSD (0.10)	7.6	4.0	3.3								

Values in bold are in the upper LSD group.

**North Central Kansas Experiment Field, Belleville, Republic County; Michael Larson and Doug Stensaas, technician**

Crete silt loam, pH 7.70, 2.20% OM; P test: H, K test: VH  
0-0-0 lb N-P-K fertilizer

Wet spring conditions delayed planting. Normal temperature and precipitation patterns gave way to hot dry weather late in the season.

April May June July Aug. Sept. Total

Rainfall: 4.2 3.5 5.3 1.8 2.2 2.0 26.1

Planted 5/7/2010 at 9 seeds/ft; harvested 10/21/2010; 25 ft by 2-row plot; pesticides: 1 qt. Roundup, 1 pt. 2,4-D preplant.  
2 qt Roundup, 8 oz. Select.

**Table 15. Belleville, Republic County Dryland Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ASGROW	AG3039	51.9	--	--	--	--	94	--	--	--	1.0	29
ASGROW	AG3130	62.1	--	--	--	--	112	--	--	--	1.0	30
ASGROW	AG3731	<b>64.1</b>	--	--	--	--	116	--	--	--	1.0	31
ASGROW	AG3803	56.4	--	66.5	--	--	102	--	115	--	1.0	33
ASGROW	AG4005	52.7	--	--	--	--	95	--	--	--	1.0	34
DYNA-GRO	32RY40	45.9	--	--	--	--	83	--	--	--	1.0	38
DYNA-GRO	33A40	58.9	--	--	--	--	106	--	--	--	1.0	33
DYNA-GRO	35G38	53.7	65.5	--	59.6	--	97	110	--	--	1.0	29
DYNA-GRO	35RY33	57.3	--	--	--	--	103	--	--	--	1.0	34
DYNA-GRO	37J34	54.2	--	--	--	--	98	--	--	--	1.0	29
DYNA-GRO	37P37	57.7	56.4	--	57.1	--	104	94	--	--	1.0	31
DYNA-GRO	37T33	50.9	--	--	--	--	92	--	--	--	1.0	25
G2 GENETICS	6373	53.1	--	--	--	--	96	--	--	--	1.0	31
G2 GENETICS	7350	51.6	--	--	--	--	93	--	--	--	1.0	35



**Table 15 continued. Belleville, Republic County Dryland Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
G2 GENETICS	7381	55.4	--	--	--	--	100	--	--	--	1.0	36
G2 GENETICS	7383	49.4	--	--	--	--	89	--	--	--	1.0	34
G2 GENETICS	7390	59.9	--	--	--	--	108	--	--	--	1.0	29
G2 GENETICS	7392	52.8	--	--	--	--	95	--	--	--	1.0	33
G2 GENETICS	7420	<b>70.6</b>	--	--	--	--	127	--	--	--	1.0	35
KANSAS AES	KS3406RR	52.7	<b>67.9</b>	57.4	60.3	59.3	95	114	99	--	1.0	29
NK	S28-B4	52.9	--	48.3	--	--	95	--	83	--	1.0	25
NK	S36-B6	61.0	<b>67.6</b>	<b>68.8</b>	64.3	65.8	110	113	119	--	1.0	30
NK	S36-J4 Brand	57.6	--	--	--	--	104	--	--	--	1.0	30
NK	S37-P5	54.5	<b>67.4</b>	<b>70.5</b>	61.0	64.1	98	113	122	--	1.0	29
OHLDE	332	56.9	<b>70.2</b>	--	63.6	--	103	117	--	--	1.0	30
OHLDE	3721	55.9	--	--	--	--	101	--	--	--	1.0	36
OHLDE	377	<b>64.1</b>	--	--	--	--	116	--	--	--	1.0	31
OHLDE	391	52.8	--	--	--	--	95	--	--	--	1.0	32
OHLDE	3921	57.8	--	--	--	--	104	--	--	--	1.0	28
OHLDE	422	57.7	--	--	--	--	104	--	--	--	1.0	32
PHILLIPS	321 NRR	53.9	--	--	--	--	97	--	--	--	1.0	30
PHILLIPS	369 NRS	54.2	--	--	--	--	98	--	--	--	1.0	30
PHILLIPS	381 NRR	<b>63.9</b>	--	--	--	--	115	--	--	--	1.0	30
PHILLIPS	385NRS	54.0	60.0	--	57.0	--	97	100	--	--	1.0	29
PHILLIPS	401 NRS	47.1	--	--	--	--	85	--	--	--	1.0	31
PHILLIPS	417 NRSE	52.6	50.8	--	51.7	--	95	85	--	--	1.0	28
SYLVESTER	3439NRR	<b>64.5</b>	62.9	56.5	63.7	61.3	116	105	98	--	1.0	31
SYLVESTER	3610NRR	50.6	63.6	--	57.1	--	91	106	--	--	1.0	32
SYLVESTER	3631R2	49.7	--	--	--	--	90	--	--	--	1.0	34
SYLVESTER	3738NRR	53.8	56.1	57.7	55.0	55.9	97	94	100	--	1.0	33
SYLVESTER	3740NR2	50.1	58.7	--	54.4	--	90	98	--	--	1.0	38
SYLVESTER	3850NR2	49.2	56.9	--	53.1	--	89	95	--	--	1.0	34
SYLVESTER	3861NR2	60.5	--	--	--	--	109	--	--	--	1.0	33
SYLVESTER	3920NRS	57.8	61.5	--	59.7	--	104	103	--	--	1.0	30
SYLVESTER	3981NR2	43.7	--	--	--	--	79	--	--	--	1.0	37
SYLVESTER	4041NR2	52.3	--	--	--	--	94	--	--	--	1.0	33
TAYLOR	Exp. 39002	<b>64.5</b>	--	--	--	--	116	--	--	--	1.0	32
	AVERAGES	55.4	59.8	57.9								
	CV (%)	10.7	8.8	5.0								
	LSD (0.10)	7.5	7.2	3.9								

Values in bold are in the upper LSD group.

**Clayton Short Farm, Assaria, Saline County; Bill Schapaugh, agronomist**

Ladysmith silty clay loam, pH na, na% OM; P test: VH, K Good stands obtained. Wet spring leading into hot and dry conditions through August.

0-45-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 1.0 5.0 4.2 9.0 2.2 8.2 38.6

Planted 6/1/2010 at 7 seeds/ft; harvested 10/15/2010; 11 ft by 2-row plot; pesticides: Treflan.

**Table 16. Assaria, Saline County Dryland Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
G2 GENETICS	7381	29.5	--	--	--	--	117	--	--	10/7	1.0	32
G2 GENETICS	7383	23.9	54.2	--	39.1	--	94	98	--	10/6	1.0	32
G2 GENETICS	7390	<b>33.3</b>	--	--	--	--	132	--	--	10/7	1.0	28
G2 GENETICS	7392	<b>29.7</b>	55.1	--	42.4	--	117	99	--	10/8	1.0	30
G2 GENETICS	7420	<b>33.9</b>	--	--	--	--	134	--	--	10/11	1.0	33
G2 GENETICS	7438	26.9	--	--	--	--	106	--	--	10/8	1.0	27
G2 GENETICS	7460	<b>31.2</b>	--	--	--	--	123	--	--	10/13	1.0	36
G2 GENETICS	7490	26.9	--	--	--	--	106	--	--	10/13	1.0	30
KANSAS AES	KS3406RR	26.6	55.0	57.2	40.8	46.3	105	99	93	10/5	1.0	27

**Table 16 continued. Assaria, Saline County Dryland Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
NUTECH	7379	25.9	--	--	--	--	102	--	--	10/5	1.0	26
NUTECH	7388	<b>30.0</b>	--	--	--	--	119	--	--	10/5	1.0	29
NUTECH	7399	25.4	--	60.6	--	--	100	--	98	10/6	1.0	27
NUTECH	7416S	20.9	<b>58.3</b>	--	39.6	--	83	105	--	10/9	1.0	27
NUTECH	7425S	28.4	--	--	--	--	112	--	--	10/10	1.0	28
NUTECH	7443	<b>33.0</b>	<b>58.7</b>	59.0	45.9	50.2	130	106	95	10/12	1.0	36
OHLDE	3721	<b>33.9</b>	--	--	--	--	134	--	--	10/5	1.0	28
OHLDE	377	<b>30.0</b>	--	--	--	--	119	--	--	10/5	1.0	27
OHLDE	391	<b>30.6</b>	--	--	--	--	121	--	--	10/5	1.0	27
OHLDE	392	26.0	<b>61.5</b>	--	43.8	--	103	111	--	10/5	1.0	27
OHLDE	422	<b>30.6</b>	--	--	--	--	121	--	--	10/10	1.0	27
OHLDE	451	<b>31.8</b>	--	--	--	--	126	--	--	10/12	1.0	27
OHLDE	4595	<b>33.3</b>	<b>57.9</b>	--	45.6	--	132	105	--	10/9	1.0	38
PHILLIPS	381 NRR	29.4	--	--	--	--	116	--	--	10/5	1.0	28
PHILLIPS	385NRS	29.3	56.7	64.5	43.0	50.2	116	102	104	10/5	1.0	30
PHILLIPS	401 NRS	21.8	--	--	--	--	86	--	--	10/9	1.0	31
PHILLIPS	417 NRSE	<b>29.7</b>	54.4	66.8	42.1	50.3	117	98	108	10/11	1.0	27
	AVERAGES	25.3	55.4	61.8								
	CV (%)	14.6	6.0	6.3								
	LSD (0.10)	4.3	3.9	4.5								

Values in bold are in the upper LSD group.

**Richard Seck Farm, Hutchinson, Reno County; Bill Heer, agronomist.**

Punkin-Taver complex, pH na, na% OM; P test: --, K test: --  
0-0-0 lb N-P-K fertilizer

Moisture conditions at planting were excellent. Good emergence and stands even after strong winds and rain. Late July and August were very dry.

April May June July Aug. Sept. Total

Rainfall: 1.5 4.8 7.8 6.1 3.9 1.6 26.4

Irrigation: na

Planted 5/29/2010 at 8 seeds/ft; harvested 10/21/2010; 30 ft by 2-row plot; pesticides: Glyphosate applied preplant and postemergence.

**Table 17. Hutchinson, Reno County Irrigated Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4462NRR	77.1	--	65.5	--	--	96	--	103	10/11	1.0	35
ASGROW	AG3731	<b>85.0</b>	--	--	--	--	106	--	--	10/6	1.0	33
ASGROW	AG3803	<b>85.3</b>	--	63.7	--	--	106	--	100	10/8	1.0	38
ASGROW	AG3830	<b>84.6</b>	--	--	--	--	106	--	--	10/7	1.0	39
ASGROW	AG3931	83.5	--	--	--	--	104	--	--	10/3	1.0	40
ASGROW	AG4005	<b>90.8</b>	--	--	--	--	113	--	--	10/9	1.0	37
DYNA-GRO	32RY40	78.4	--	--	--	--	98	--	--	10/5	1.5	41
DYNA-GRO	33A40	76.4	--	--	--	--	95	--	--	10/11	1.0	39
DYNA-GRO	35G38	73.6	70.7	--	72.2	--	92	97	--	10/19	1.0	34
DYNA-GRO	35X43	76.4	--	--	--	--	95	--	--	10/19	1.0	40
DYNA-GRO	37A44	79.5	73.3	63.6	76.4	72.1	99	100	100	10/11	1.0	46
DYNA-GRO	37J34	77.5	--	--	--	--	97	--	--	10/2	1.0	40
DYNA-GRO	37P37	75.6	69.9	--	72.8	--	94	95	--	10/4	1.0	33
FONTANELLE	478 NRR STS	75.3	--	--	--	--	94	--	--	--	1.0	42
FONTANELLE	78N18	<b>85.0</b>	<b>76.7</b>	--	80.9	--	106	105	--	10/3	1.0	37
FONTANELLE	78N71	76.1	--	--	--	--	95	--	--	10/5	1.3	37
FONTANELLE	86S40	84.1	--	--	--	--	105	--	--	10/10	1.0	40
FONTANELLE	9680 NRR	70.4	68.7	64.0	69.6	67.7	88	94	101	10/12	1.0	31
G2 GENETICS	6373	<b>85.2</b>	--	--	--	--	106	--	--	10/7	1.0	33
G2 GENETICS	7381	76.8	--	--	--	--	96	--	--	10/5	1.0	42
G2 GENETICS	7383	78.5	72.9	--	75.7	--	98	100	--	10/4	1.3	41
G2 GENETICS	7385	84.4	--	--	--	--	105	--	--	10/5	1.5	39
G2 GENETICS	7390	<b>91.5</b>	--	--	--	--	114	--	--	10/5	1.0	35
G2 GENETICS	7420	76.6	--	--	--	--	96	--	--	10/7	1.3	38
G2 GENETICS	7439S	73.9	73.4	--	73.7	--	92	100	--	10/10	1.0	34

Table 17 continued. Hutchinson, Reno County Irrigated Soybean Performance Test, 2008-2010

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
G2 GENETICS	7460	77.4	--	--	--	--	97	--	--	10/11	1.3	44
G2 GENETICS	7490	80.6	--	--	--	--	101	--	--	10/11	1.0	35
KANSAS AES	KS3406RR	84.4	70.6	59.8	77.5	71.6	105	96	94	10/4	1.3	36
MIDLAND	3610NRR	84.4	--	--	--	--	105	--	--	10/7	1.0	34
MIDLAND	3850NR2	<b>86.8</b>	<b>80.5</b>	--	83.7	--	108	110	--	10/2	1.3	35
MIDLAND	3920NRS	80.4	--	--	--	--	100	--	--	10/12	1.3	33
MIDLAND	3971NR2	83.1	--	--	--	--	104	--	--	10/10	2.0	43
MIDLAND	3981NR2	78.3	--	--	--	--	98	--	--	10/11	1.5	43
MIDLAND	4289NRS	83.3	<b>76.3</b>	67.2	79.8	75.6	104	104	106	10/7	1.0	37
MIDLAND	4329NRR	80.5	71.5	63.4	76.0	71.8	101	98	100	10/19	1.0	39
MIDLAND	4506NRR	78.5	72.4	63.5	75.5	71.5	98	99	100	10/11	1.0	43
MIDLAND	4549NRS	77.3	70.5	60.7	73.9	69.5	97	96	96	10/14	1.0	36
MIDLAND	4580RS2	79.6	73.5	--	76.6	--	99	100	--	10/6	1.0	40
M-PRIDE	MPG4577NRR	76.2	--	--	--	--	95	--	--	10/9	1.0	39
M-PRIDE	MPG4611NRR	81.6	--	--	--	--	102	--	--	10/10	1.0	37
M-PRIDE	MPG4707NRR/STS	75.0	--	--	--	--	94	--	--	10/14	1.0	36
NUTECH	3909SRN	<b>85.3</b>	<b>80.9</b>	58.9	83.1	75.0	106	111	93	10/13	1.0	33
NUTECH	7386	80.3	74.7	<b>72.1</b>	77.5	75.7	100	102	114	10/10	1.0	34
NUTECH	7388	<b>84.5</b>	--	--	--	--	105	--	--	10/8	1.0	31
NUTECH	7416S	84.4	71.4	--	77.9	--	105	98	--	10/8	1.0	37
NUTECH	7425S	68.0	--	--	--	--	85	--	--	10/17	1.0	39
NUTECH	7475	82.3	73.3	--	77.8	--	103	100	--	10/14	1.0	38
OHLDE	377	82.2	--	--	--	--	103	--	--	10/2	1.0	35
OHLDE	391	73.2	--	--	--	--	91	--	--	10/1	1.0	36
OHLDE	392	<b>84.9</b>	<b>82.0</b>	--	83.5	--	106	112	--	10/5	1.0	35
OHLDE	422	81.2	--	--	--	--	101	--	--	10/10	1.0	35
OHLDE	451	83.3	--	--	--	--	104	--	--	10/7	1.0	42
OHLDE	4595	80.5	68.9	66.7	74.7	72.0	101	94	105	10/11	1.0	49
PHILLIPS	381 NRR	75.5	--	--	--	--	94	--	--	10/6	1.0	35
PHILLIPS	385NRS	81.6	<b>80.5</b>	65.4	81.1	75.8	102	110	103	10/5	1.0	31
PHILLIPS	401 NRS	78.7	--	--	--	--	98	--	--	10/4	1.0	40
PHILLIPS	417 NRSE	79.7	74.0	63.6	76.9	72.4	100	101	100	10/5	1.0	37
PHILLIPS	429NRS	80.9	70.5	--	75.7	--	101	96	--	10/1	1.0	34
PHILLIPS	486NRS	74.6	70.3	<b>70.5</b>	72.5	71.8	93	96	111	10/19	1.0	42
PHILLIPS	Ex 3901 NR2Y	<b>84.7</b>	--	--	--	--	106	--	--	10/3	1.0	35
PHILLIPS	Ex 420 NR2Y	77.0	--	--	--	--	96	--	--	10/5	1.3	34
WILLCROSS	RR2397N	74.5	--	--	--	--	93	--	--	10/5	1.0	37
WILLCROSS	RR2440NSTS	76.9	--	--	--	--	96	--	--	10/5	1.0	32
WILLCROSS	RR2878NSTS	83.4	--	--	--	--	104	--	--	10/13	1.3	48
	AVERAGES	80.1	73.2	63.4								
	CV (%)	7.3	8.3	6.5								
	LSD (0.10)	6.8	7.1	4.8								

Values in bold are in the upper LSD group.

**Northwest Research-Extension Center, Colby, Thomas County; Pat Evans, agronomist**

Keith silt loam, pH 7.5, 3.10% OM; P test: --, K test: -- Very good growing conditions throughout the growing season.  
50-50-0 lb N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.3	2.3	2.5	3.2	0.2	0.8	15.2
Irrigation:			1.0	4.8	5.6	1.9	13.26

Planted 5/28/2010 at 9 seeds/ft; harvested 9/28/2010; 20 ft by 2-row plot; pesticides: Roundup.

**Table 18. Colby, Thomas County Irrigated Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ASGROW	AG2931	<b>79.1</b>	--	--	--	--	112	--	--	9/16	1.0	41
ASGROW	AG3030	74.3	--	--	--	--	105	--	--	9/20	1.3	43
ASGROW	AG3039	<b>81.4</b>	--	--	--	--	115	--	--	9/18	1.0	43
ASGROW	AG3731	73.5	--	--	--	--	104	--	--	9/23	1.3	46
ASGROW	AG3803	64.0	--	--	--	--	90	--	--	9/22	1.0	47
KANSAS AES	KS3406RR	68.3	<b>71.2</b>	<b>72.5</b>	69.8	70.7	96	103	97	9/19	1.5	42
LG SEEDS	C3616R2	71.0	--	--	--	--	100	--	--	9/23	1.3	48
LG SEEDS	C3852R2	68.1	--	--	--	--	96	--	--	9/26	1.3	49
MIDLAND	3610NRR	72.4	67.2	--	69.8	--	102	97	--	9/25	2.5	43
MIDLAND	3631R2	64.3	--	--	--	--	91	--	--	9/24	1.0	49
MIDLAND	3920NRS	71.3	--	--	--	--	101	--	--	9/26	2.0	43
PHILLIPS	369 NRS	66.3	--	--	--	--	94	--	--	9/26	3.0	44
PHILLIPS	381 NRR	75.9	--	--	--	--	107	--	--	9/25	1.8	42
PHILLIPS	385NRS	72.2	68.9	--	70.6	--	102	99	--	9/25	2.3	43
PHILLIPS	401 NRS	64.3	--	--	--	--	91	--	--	9/26	1.0	46
PHILLIPS	417 NRSE	63.6	62.8	--	63.2	--	90	90	--	9/24	1.0	44
	AVERAGES	70.8	69.4	74.4								
	CV (%)	5.5	7.2	10.5								
	LSD (0.10)	4.6	6.1	9.2								

Values in bold are in the upper LSD group.

**Southwest Research-Extension Center, Garden City, Finney County; Monty Spangler, technician**

Keith silt loam, pH 7.6, 2.5% OM; P test: --, K test: -- Wet winter into early spring. Hot and dry middle of June to end of July.  
0-0-0 lb N-P-K fertilizer Dry summer to harvest.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.9	3.6	1.2	2.4	2.4	0.3	14.7
Irrigation:			2.6	6.5	3.8	2.0	14.79

Planted 5/25/2010 at 10 seeds/ft; harvested 9/30/2010; 23 ft by 2-row plot; pesticides: Roundup, Select, Pursuit Plus, and Crop Oil postemergence.

**Table 19. Garden City, Finney County Irrigated Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
DRUSSEL SEED	DSS3929 R2Y	<b>47.8</b>	--	--	--	--	111	--	--	9/22	1.5	23
KANSAS AES	KS3406RR	39.0	37.6	21.4	38.3	32.7	90	89	80	9/19	2.3	25
LG SEEDS	C3852R2	<b>47.5</b>	--	--	--	--	110	--	--	9/23	1.5	25
LG SEEDS	C4125R2	<b>51.2</b>	--	--	--	--	119	--	--	9/27	1.3	27
MIDLAND	3610NRR	40.3	--	--	--	--	93	--	--	9/17	1.8	27
MIDLAND	3631R2	<b>46.6</b>	--	--	--	--	108	--	--	9/20	2.0	32
MIDLAND	3850NR2	<b>46.7</b>	41.2	--	44.0	--	108	98	--	9/20	1.3	30
MIDLAND	3920NRS	40.8	--	--	--	--	94	--	--	9/20	1.8	26
MIDLAND	3981NR2	<b>46.0</b>	--	--	--	--	106	--	--	9/23	2.0	29
MIDLAND	4289NRS	39.9	42.3	23.6	41.1	35.3	92	100	88	9/21	2.0	24
MIDLAND	4329NRR	<b>48.4</b>	<b>52.5</b>	27.7	50.5	42.9	112	125	104	9/22	2.3	29
MIDLAND	4580RS2	40.5	34.6	--	37.6	--	94	82	--	9/22	2.0	25
NK	S36-B6	<b>50.8</b>	--	<b>31.2</b>	--	--	118	--	117	9/21	1.5	23
PHILLIPS	369 NRS	33.3	--	--	--	--	77	--	--	9/18	1.5	24
PHILLIPS	381 NRR	34.7	--	--	--	--	80	--	--	9/21	1.3	24
PHILLIPS	385NRS	<b>47.3</b>	<b>48.6</b>	--	48.0	--	109	115	--	9/19	1.0	23

**Table 19 continued. Garden City, Finney County Irrigated Soybean Performance Test, 2008-2010**

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
PHILLIPS	401 NRS	36.1	--	--	--	--	84	--	--	9/23	1.5	23
PHILLIPS	417 NRSE	<b>44.1</b>	36.6	23.3	40.4	34.7	102	87	87	9/21	1.3	22
PHILLIPS	Ex 420 NR2Y	39.9	--	--	--	--	92	--	--	9/21	1.8	24
	AVERAGES	43.2	42.1	26.7								
	CV (%)	13.5	8.9	13.5								
	LSD (0.10)	7.9	5.2	4.2								

Values in bold are in the upper LSD group.

**Southeast Agricultural Research Center, Columbus, Cherokee County; Kelly Kusel, technician**

Parsons silt loam, pH 6.7, 1.3% OM; P test: L, K test: L Very wet spring and early summer. Good harvest conditions.  
18-46-60 lb N-P-K fertilizer

April May June July Aug. Sept. Total  
Rainfall: 1.6 6.9 5.0 8.0 1.5 7.6 30.5

Planted 6/1/2010 at 7 seeds/ft; harvested 10/20/2010; 17 ft by 2-row plot; pesticides: 1 Pint Dual II Mag, 3 oz/a Canopy XL preemergence. 16 oz/a Arrow postemergence.

**Table 20. Columbus, Cherokee County Dryland Conventional Soybean Performance Test, Maturity Groups III-IV, 2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ASGROW	AG3803 *RR check	17.3	--	--	--	--	118	--	--	9/13	1.3	28
BLUE RIVER	43C1	9.4	--	--	--	--	64	--	--	9/8	1.0	29
BLUE RIVER	45C1	14.2	--	--	--	--	97	--	--	9/10	1.0	29
BLUE RIVER	477.TCS	<b>20.5</b>	--	--	--	--	140	--	--	9/26	1.0	26
DYNA-GRO	35G38 *RR check	9.7	--	--	--	--	66	--	--	9/6	1.0	26
ILLINOIS AES	LD00-2817P	15.9	--	--	--	--	109	--	--	9/14	1.0	31
ILLINOIS AES	LD00-3309	12.8	--	--	--	--	88	--	--	9/6	1.0	26
IOWA AES	A06-912002	11.4	--	--	--	--	78	--	--	9/3	1.0	27
IOWA AES	A06-912003	10.0	--	--	--	--	68	--	--	9/3	1.0	26
IOWA AES	IA4004	15.7	--	--	--	--	108	--	--	9/4	1.0	28
KANSAS AES	K05-4624	12.8	--	--	--	--	88	--	--	9/17	1.0	26
KANSAS AES	K07-1253	14.3	--	--	--	--	98	--	--	9/7	1.0	29
KANSAS AES	K07-1544	15.0	--	--	--	--	103	--	--	9/3	1.0	24
KANSAS AES	K07-1633	15.1	--	--	--	--	103	--	--	9/4	1.0	29
KANSAS AES	KS4607	16.9	--	--	--	--	116	--	--	9/27	1.0	30
MISSOURI AES	PATRIOT	10.9	--	--	--	--	75	--	--	9/7	1.0	28
PIONEER	94Y70 *RR check	<b>22.8</b>	--	--	--	--	156	--	--	9/28	1.5	36
SUPER SOY	MPVC-450N	17.5	--	--	--	--	120	--	--	10/3	2.0	36
	AVERAGES	14.6	--	--	--	--						
	CV (%)	13.5	--	--	--	--						
	LSD (0.10)	2.3	--	--	--	--						

Values in bold are in the upper LSD group.

**Southeast Agricultural Research Center, Columbus, Cherokee County; Kelly Kusel, technician**

Parsons silt loam, pH na, na% OM; P test: M, K test: M Very wet spring and early summer. Good harvest conditions.  
18-46-60 lb N-P-K fertilizer

April May June July Aug. Sept. Total  
Rainfall: 1.6 6.9 5.0 8.0 1.5 7.6 30.5

Planted 6/1/2010 at 7 seeds/ft; harvested 11/1/2010; 17 ft by 2-row plot; pesticides: 1 Pint Dual II Mag, 3 oz/a Canopy XL preemergence. 16 oz/a Arrow postemergence.

**Table 21. Columbus, Cherokee County Dryland Conventional Soybean Performance Test, Maturity Groups IV-V, 2009-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4989N LL	24.0	--	--	--	--	89	--	--	10/10	1.0	29
ADVANCED GENETICS	AG5177N LL	31.4	--	--	--	--	116	--	--	10/9	1.3	24
ASGROW	AG5331 *RR check	27.6	--	--	--	--	102	--	--	10/14	1.3	30
BLUE RIVER	53A1	23.9	--	--	--	--	88	--	--	10/2	1.0	25
KANSAS AES	K05-4626	16.6	50.0	--	33.3	--	61	97	--	10/9	1.3	25
KANSAS AES	KS5004N	27.2	50.0	--	38.6	--	100	97	--	10/4	1.3	29
KANSAS AES	KS5502N	32.4	45.4	--	38.9	--	120	88	--	10/19	1.0	29
KANSAS AES	KS5507NRR *RR check	31.6	46.2	--	38.9	--	117	89	--	10/18	1.8	31
MORSOY	LL 4880N	19.2	--	--	--	--	71	--	--	9/29	1.0	35
MORSOY	LL 5120N	<b>34.0</b>	--	--	--	--	125	--	--	10/10	1.0	26
PIONEER	95Y01 *RR check	25.7	--	--	--	--	95	--	--	10/7	1.3	33
SUPER SOY	MPVC-490N	28.9	--	--	--	--	107	--	--	10/10	1.0	29
SUPER SOY	MPVC-510N	<b>35.4</b>	--	--	--	--	131	--	--	10/10	1.5	33

**Table 21 continued. Columbus, Cherokee County Dryland Conventional Soybean Performance Test, Maturity Groups IV-V, 2009-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
SUPER SOY	SS-09L.49N	25.4	<b>57.6</b>	--	41.5	--	94	111	--	10/11	1.0	33
SUPER SOY	SS-10L.51N	26.5	53.8	--	40.2	--	98	104	--	10/7	1.0	26
SUPER SOY	SS-11L.48N	16.5	--	--	--	--	61	--	--	10/2	1.0	35
TENN AES	5002T	28.1	52.0	--	40.1	--	104	100	--	10/9	1.3	26
TENN AES	5601T	29.7	50.5	--	40.1	--	110	97	--	10/15	1.8	31
VIRGINIA AES	HUTCHESON	30.8	--	--	--	--	114	--	--	10/15	1.8	32
	AVERAGES	27.1	51.8	--								
	CV (%)	8.8	5.2	--								
	LSD (0.10)	2.8	3.2	--								

Values in bold are in the upper LSD group.

**East Central Kansas Experiment Field, Ottawa, Franklin County; Bill Schapaugh, agronomist; James Kimball, technician**

Woodson silt loam, pH 6.9, na% OM; P test: M, K test: M Wet Spring leading into a dry late July and August. Good harvest conditions.  
39-100-100 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 4.4 4.6 6.4 5.5 2.0 6.2 38.3

Planted 6/21/2010 at 8 seeds/ft; harvested 10/21/2010; 25 ft by 2-row plot; pesticides: Fusilade and Blazer.

**Table 22. Ottawa, Franklin County Dryland Conventional Soybean Performance Test, 2009-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4989N LL	<b>59.0</b>	--	--	--	--	135	--	--	10/23	1.0	27
ASGROW	AG3803 *RR check	53.4	--	--	--	--	122	--	--	10/9	1.0	28
DYNA-GRO	35G38 *RR check	35.9	45.1	--	40.5	--	82	101	--	10/8	1.0	26
ILLINOIS AES	LD00-2817P	52.9	40.2	--	46.6	--	121	90	--	10/12	1.0	26
ILLINOIS AES	LD00-3309	36.1	44.2	--	40.2	--	82	99	--	10/6	1.0	23
IOWA AES	A06-912002	30.5	--	--	--	--	70	--	--	10/5	1.0	24
IOWA AES	A06-912003	40.5	--	--	--	--	92	--	--	10/7	1.0	22
IOWA AES	IA4004	37.4	46.8	--	42.1	--	85	104	--	10/3	1.0	24
KANSAS AES	K05-4624	41.8	43.7	--	42.8	--	95	98	--	10/14	1.5	26
KANSAS AES	K05-4626	53.1	--	--	--	--	121	--	--	10/23	1.0	24
KANSAS AES	K07-1253	44.5	--	--	--	--	102	--	--	10/6	1.3	25
KANSAS AES	K07-1544	33.3	--	--	--	--	76	--	--	10/5	1.0	23
KANSAS AES	K07-1633	36.9	--	--	--	--	84	--	--	10/6	1.0	26
KANSAS AES	KS3406RR *RR check	41.6	42.8	--	42.2	--	95	96	--	10/6	1.0	25
KANSAS AES	KS4607	43.4	38.3	--	40.9	--	99	85	--	10/14	1.0	29
MISSOURI AES	PATRIOT	38.2	--	--	--	--	87	--	--	10/7	1.0	26
MORSOY	LL 4880N	45.5	--	--	--	--	104	--	--	10/15	1.0	30
MORSOY	LL 5120N	<b>58.6</b>	--	--	--	--	134	--	--	10/25	1.0	25
NUTECH	3340L	40.5	--	--	--	--	92	--	--	10/9	1.0	26
NUTECH	3399L	46.1	46.8	--	46.5	--	105	104	--	10/11	1.0	27
NUTECH	3420L	49.8	--	--	--	--	114	--	--	10/11	1.0	29
	AVERAGES	43.8	44.8	--								
	CV (%)	8.9	4.9	--								
	LSD (0.10)	4.7	2.6	--								

Values in bold are in the upper LSD group.

**North Central Kansas Experiment Field, Belleville, Republic County; Michael Larson and Doug Stensaas, technician**

Crete silt loam, pH 6.8, na% OM; P test: M, K test: VH  
0-0-0 lb N-P-K fertilizer

Wet spring conditions delayed planting. Normal temperature and precipitation patterns gave way to hot dry weather late in the season.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	4.2	3.5	5.3	1.8	2.2	2.0	26.1
Irrigation:				3.3	2.2		5.50

Planted 5/28/2010 at 9 seeds/ft; harvested 10/6/2010; 26 ft by 2-row plot; pesticides: 1 qt. Roundup, 1 pt. 2,4-D preplant.  
2 qt Roundup preemergence. 10 oz/a Select.

**Table 23. Scandia, Republic County Irrigated Conventional Soybean Performance Test, 2009-2010**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2010		
		2010	2009	2008	2-Yr. AVG.	3-Yr. AVG.	2010	2009	2008	Mat	Lodge score	Ht (in)
ASGROW	AG3803 *RR check	65.6	--	--	--	--	106	--	--	--	1.0	41
BLUE RIVER	34A7	<b>70.8</b>	--	--	--	--	115	--	--	--	1.0	39
BLUE RIVER	35A0	61.8	--	--	--	--	100	--	--	--	1.0	41
BLUE RIVER	38C9	64.6	--	--	--	--	105	--	--	--	1.0	42
DYNA-GRO	35G38 *RR check	60.1	79.9	--	70.0	--	97	102	--	--	1.0	41
ILLINOIS AES	LD00-2817P	59.7	<b>89.7</b>	--	74.7	--	97	115	--	--	1.0	43
ILLINOIS AES	LD00-3309	58.6	69.9	--	64.3	--	95	89	--	--	1.0	36
IOWA AES	A06-912002	61.9	--	--	--	--	100	--	--	--	1.0	43
IOWA AES	A06-912003	<b>73.4</b>	--	--	--	--	119	--	--	--	1.0	40
IOWA AES	IA4004	64.7	81.0	--	72.9	--	105	104	--	--	1.0	43
KANSAS AES	K05-4624	51.4	82.7	--	67.1	--	83	106	--	--	1.0	41
KANSAS AES	K07-1253	53.7	--	--	--	--	87	--	--	--	1.0	40
KANSAS AES	K07-1544	<b>72.0</b>	--	--	--	--	117	--	--	--	1.0	40
KANSAS AES	K07-1633	64.1	--	--	--	--	104	--	--	--	1.0	43
KANSAS AES	KS3406RR *RR check	62.2	76.9	--	69.6	--	101	98	--	--	1.0	42
KANSAS AES	KS4607	49.9	80.5	--	65.2	--	81	103	--	--	1.0	39
MISSOURI AES	PATRIOT	54.5	--	--	--	--	88	--	--	--	1.0	40
	AVERAGES	61.7	78.2	--								
	CV (%)	8.4	2.8	--								
	LSD (0.10)	7.1	3.0	--								

Values in bold are in the upper LSD group.



**Table 24. Yield as a Percentage of Test Average from 2010 Roundup-Resistant Soybean Tests**

BRAND/NAME	Topeka		Ottawa	Columbus		Pittsburg		McCune		Erie		Belle		Hutch		Garden		AVG.	
	Emmett	dryland		irrigated	MG4	MG 5	DMG 4	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville	Assaria	inson	Colby		City
<b>ADVANCED GENETICS</b>																			
AG4462NRR	--	--	--	105	--	--	--	--	--	--	--	--	--	--	96	--	--	101	
AG4544NRS	--	--	--	97	--	--	--	--	--	91	--	--	--	--	--	--	--	94	
AG4733S R2Y	--	--	--	113	114	--	--	109	--	99	--	--	--	--	--	--	--	109	
AG5022NRS	--	--	--	--	--	87	--	--	92	--	--	--	--	--	--	--	--	90	
AG5570NRS	--	--	--	--	--	99	--	--	97	--	--	--	--	--	--	--	--	98	
<b>ASGROW</b>																			
AG2931	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	112	--	112	
AG3030	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	105	--	105	
AG3039	--	--	--	--	--	--	--	--	--	--	99	94	--	--	115	--	--	103	
AG3130	--	--	--	--	--	--	--	--	--	--	104	112	--	--	--	--	--	108	
AG3730	--	--	--	--	--	--	--	--	--	--	109	--	--	--	--	--	--	109	
AG3731	--	--	--	--	--	--	--	--	--	--	98	116	--	106	104	--	--	106	
AG3803	--	--	--	--	--	--	--	--	--	--	117	102	--	106	90	--	--	109	
AG3830	--	--	--	--	--	--	--	--	--	--	--	--	--	106	--	--	--	106	
AG3931	--	--	--	--	--	--	--	--	--	--	--	--	--	104	--	--	--	104	
AG4005	--	--	--	--	--	--	--	--	--	--	--	95	--	113	--	--	--	104	
AG4606	--	--	--	--	99	--	--	--	--	102	--	--	--	--	--	--	--	100	
AG4730	--	--	--	--	106	--	102	--	102	--	100	--	--	--	--	--	--	102	
AG4903	--	--	--	--	--	124	--	--	--	--	--	--	--	--	--	--	--	124	
AG4907	--	--	--	--	--	116	--	118	--	102	--	115	--	--	--	--	--	113	
AG5331	--	--	--	--	--	106	--	85	--	104	--	--	--	--	--	--	--	99	
AG5405	--	--	--	--	--	130	--	--	--	--	108	--	--	--	--	--	--	119	
AG5503	--	--	--	--	--	123	--	--	--	--	--	--	--	--	--	--	--	123	
AG5605	--	--	--	--	--	112	--	--	--	--	--	--	--	--	--	--	--	112	
EXP946R2	--	--	--	--	98	--	121	--	96	--	104	--	--	--	--	--	--	105	
EXP948R2	--	--	--	--	--	113	--	93	--	104	--	111	--	--	--	--	--	105	
<b>DRUSSEL SEED</b>																			
DSS3929 R2Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	111	111
<b>DYNA-GRO</b>																			
32RY40	--	99	--	103	94	--	--	--	--	--	--	89	83	--	98	--	--	94	
33A40	--	84	--	85	94	--	--	--	--	--	--	88	106	--	95	--	--	92	
33G48	--	--	--	99	--	93	--	99	--	--	--	--	--	--	--	--	--	97	
35G38	--	71	--	87	54	--	--	--	--	--	--	95	97	--	92	--	--	82	
35RY33	--	--	--	--	--	--	--	--	--	--	--	93	103	--	--	--	--	98	
35X43	--	122	--	103	108	--	80	--	--	--	--	--	--	--	95	--	--	102	
37A44	--	--	--	107	102	--	111	--	101	--	--	--	--	--	99	--	--	104	
37J34	--	76	--	74	79	--	--	--	--	--	--	108	98	--	97	--	--	89	
37P37	--	110	--	--	--	--	--	--	--	--	--	85	104	--	94	--	--	99	
37RY47	--	--	--	115	120	--	105	--	--	--	--	--	--	--	--	--	--	113	
37T33	--	--	--	--	--	--	--	--	--	--	--	95	92	--	--	--	--	93	

**Table 24 continued. Yield as a Percentage of Test Average from 2010 Roundup-Resistant Soybean Tests**

BRAND/NAME	Topeka		Ottawa	Columbus		Pittsburg		McCune		Erie		Belle		Hutch		Garden		AVG.	
	Emmett	dryland		irrigated	MG4	MG 5	DMG 4	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville	Assaria	inson	Colby		City
<b>FONTANELLE</b>																			
478 NRR STS	--	--	--	112	112	--	--	--	100	--	102	--	--	--	94	--	--	104	
78N18	96	90	120	95	--	--	--	--	--	--	--	96	--	--	106	--	--	100	
78N71	95	90	103	--	--	--	--	--	--	--	--	99	--	--	95	--	--	97	
86S40	--	--	--	113	108	--	--	--	105	--	107	--	--	--	105	--	--	108	
9680 NRR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88	--	--	88	
9789 NRR	105	99	--	97	--	--	--	--	--	--	--	92	--	--	--	--	--	98	
<b>G2 GENETICS</b>																			
6369	95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95	
6373	101	88	99	89	--	--	--	--	--	--	--	97	96	--	106	--	--	97	
7330	95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95	
7350	99	89	--	78	--	--	--	--	--	--	--	--	93	--	--	--	--	90	
7368	--	--	103	--	--	--	--	--	--	--	--	--	--	--	--	--	--	103	
7373	--	--	97	--	--	--	--	--	--	--	--	114	--	--	--	--	--	106	
7381	108	87	--	85	--	--	--	--	--	--	--	--	100	117	96	--	--	99	
7383	101	85	106	83	--	--	--	--	--	--	--	95	89	94	98	--	--	94	
7385	--	104	104	91	--	--	--	--	--	--	--	102	--	--	105	--	--	101	
7390	100	103	110	97	--	--	--	--	--	--	--	107	108	132	114	--	--	109	
7392	--	94	--	94	--	--	--	--	--	--	--	--	95	117	--	--	--	100	
7420	--	123	97	103	--	--	--	--	--	--	--	92	127	134	96	--	--	110	
7438	--	--	--	--	--	--	--	--	--	--	--	--	--	106	--	--	--	106	
7439S	--	--	100	--	--	--	--	--	--	--	--	96	--	--	92	--	--	96	
7460	--	125	115	99	--	--	--	--	--	--	--	--	--	123	97	--	--	112	
7490	--	--	--	--	--	--	--	--	--	--	--	--	--	106	101	--	--	103	
<b>GOLDEN HARVEST</b>																			
S44-D5	--	--	--	--	90	--	--	--	--	--	101	--	--	--	--	--	--	95	
S49-A5	--	--	--	--	--	68	--	--	--	--	--	89	--	--	--	--	--	78	
<b>KANSAS AES</b>																			
K04-3083RR	--	--	--	--	--	107	--	112	--	101	--	98	--	--	--	--	--	104	
KS3406RR	95	80	105	87	69	--	64	--	78	--	79	--	104	95	105	105	96	90	91
KS5507NRR	--	--	--	--	--	100	--	105	--	102	--	88	--	--	--	--	--	103	
<b>LG SEEDS</b>																			
C3616R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	100	
C3852R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	96	110	103	
C4125R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	119	119	

**Table 24 continued. Yield as a Percentage of Test Average from 2010 Roundup-Resistant Soybean Tests**

BRAND/NAME	Topeka		Ottawa	Columbus		Pittsburg		McCune		Erie		Belle		Hutch		Garden		AVG.
	Emmett	dryland		irrigated	MG4	MG 5	DMG 4	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville	Assaria	inson	Colby	
<b>MIDLAND</b>																		
3411NR2	--	--	102	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102
3610NRR	--	73	114	--	--	--	--	--	--	--	--	--	--	--	105	102	93	98
3631R2	--	98	93	--	--	--	--	--	--	--	--	--	--	--	--	91	108	97
3738NRR	--	87	--	91	--	--	--	--	--	--	--	--	--	--	--	--	--	89
3740NR2	--	90	93	87	--	--	--	--	--	--	--	--	--	--	--	--	--	90
3850NR2	--	113	102	94	--	--	--	--	--	--	--	--	--	--	108	--	108	105
3861NR2	--	103	87	85	--	--	--	--	--	--	--	--	--	--	--	--	--	92
3920NRS	--	102	113	--	--	--	--	--	--	--	--	--	--	--	100	101	94	102
3971NR2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	104	--	--	104
3981NR2	--	97	91	99	--	--	--	--	--	--	--	--	--	--	98	--	106	98
4041NR2	--	113	86	100	95	--	--	--	--	--	--	--	--	--	--	--	--	99
4270NR2	--	104	--	99	101	--	--	--	--	--	--	--	--	--	--	--	--	101
4289NRS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	104	--	92	98
4329NRR	--	118	111	107	99	--	--	--	--	--	--	--	--	--	101	--	112	108
4477NRR	--	108	103	98	105	--	--	--	--	107	--	--	--	--	--	--	--	104
4506NRR	--	--	--	99	92	--	--	112	--	--	--	--	--	--	98	--	--	101
4549NRS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	97	--	--	97
4580RS2	--	--	--	114	116	--	--	101	--	103	--	--	--	--	99	--	94	105
4768NRR	--	--	--	113	101	--	--	101	--	98	--	--	--	--	--	--	--	103
4770NRR	--	--	--	108	106	--	--	98	--	99	--	--	--	--	--	--	--	103
4839NRS	--	--	--	105	--	69	--	97	--	89	--	89	--	--	--	--	--	90
5197NRS	--	--	--	--	--	94	--	100	--	102	--	--	--	--	--	--	--	99
<b>MORSOY</b>																		
R2 4629	--	--	--	104	--	--	--	104	--	--	--	--	--	--	--	--	--	104
R2 4960	--	--	--	118	--	114	--	--	110	--	--	--	--	--	--	--	--	114
R2 5110N	--	--	--	109	--	115	--	--	90	--	--	--	--	--	--	--	--	104
R2 5200N	--	--	--	98	--	113	--	--	97	--	--	--	--	--	--	--	--	103
R2 5400N	--	--	--	113	--	93	--	--	102	--	--	--	--	--	--	--	--	102
R2S 4740	--	--	--	110	--	--	--	95	--	--	--	--	--	--	--	--	--	103
R2S 4810	--	--	--	111	--	103	--	--	105	--	--	--	--	--	--	--	--	106
RT 4485N	--	--	--	107	113	--	--	101	--	107	--	--	--	--	--	--	--	107
RT 4707N	--	--	--	107	--	97	--	95	--	--	--	--	--	--	--	--	--	100
RTS 4824	--	--	--	116	--	119	--	--	104	--	--	--	--	--	--	--	--	113
RTS 5150N	--	--	--	120	--	119	--	--	87	--	--	--	--	--	--	--	--	109
<b>M-PRIDE</b>																		
MPG4577NRR	--	--	--	97	107	--	--	--	--	--	--	--	--	--	95	--	--	100
MPG4611NRR	--	--	102	114	--	--	--	--	--	--	--	--	--	--	102	--	--	106
MPG4707NRR/ST	--	--	115	--	--	--	--	--	--	--	--	--	--	--	94	--	--	105

Table 24 continued. Yield as a Percentage of Test Average from 2010 Roundup-Resistant Soybean Tests

BRAND/NAME	Topeka		Ottawa	Columbus		Pittsburg		McCune		Erie		Belle		Hutch		Garden		AVG.
	Emmett	dryland		irrigated	MG4	MG 5	DMG 4	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville	Assaria	inson	Colby	
<b>NK</b>																		
S28-B4	--	--	--	--	--	--	--	--	--	--	--	--	95	--	--	--	--	95
S36-B6	--	--	--	--	--	--	--	--	--	--	--	108	110	--	--	--	118	112
S36-J4 Brand	--	--	--	--	--	--	--	--	--	--	--	--	104	--	--	--	--	104
S37-P5	--	--	--	--	--	--	--	--	--	--	--	102	98	--	--	--	--	100
S38-H8 Brand	--	--	--	--	--	--	--	--	--	--	--	99	--	--	--	--	--	99
S39-A3	--	--	--	--	--	--	--	--	--	--	--	116	--	--	--	--	--	116
S46-U6	--	--	--	--	95	--	--	--	--	--	--	--	--	--	--	--	--	95
S48-C9	--	--	--	--	--	100	--	--	--	--	--	98	--	--	--	--	--	99
S52-F2	--	--	--	--	--	114	--	--	--	--	--	--	--	--	--	--	--	114
<b>NUTECH</b>																		
3909SRN	102	109	--	92	--	--	--	--	--	--	--	--	--	--	106	--	--	103
7359	107	72	99	82	--	--	--	--	--	--	--	--	--	--	--	--	--	90
7369S	98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98
7379	93	90	105	90	--	--	--	--	--	--	--	--	--	102	--	--	--	96
7386	--	--	109	--	--	--	--	--	--	--	--	--	--	--	100	--	--	104
7388	90	105	115	87	--	--	--	--	--	--	--	--	--	119	105	--	--	103
7399	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--	100
7416S	--	--	89	--	--	--	--	--	--	--	--	--	--	83	105	--	--	92
7425S	113	106	--	107	--	--	--	--	--	--	--	--	--	112	85	--	--	105
7443	--	--	--	--	--	--	--	--	--	--	--	--	--	130	--	--	--	130
7475	--	--	--	--	--	--	--	--	--	--	--	--	--	--	103	--	--	103
<b>OHLDE</b>																		
332	101	--	--	--	--	--	--	--	--	--	--	105	103	--	--	--	--	103
3721	97	115	--	90	--	--	--	--	--	--	--	--	101	134	--	--	--	107
377	95	--	--	--	--	--	--	--	--	--	--	101	116	119	103	--	--	106
391	100	106	--	98	--	--	--	--	--	--	--	--	95	121	91	--	--	102
392	--	--	--	--	--	--	--	--	--	--	--	--	--	103	106	--	--	104
3921	88	--	108	--	--	--	--	--	--	--	--	109	104	--	--	--	--	102
422	110	--	--	--	--	--	--	--	--	--	--	--	104	121	101	--	--	109
451	106	--	97	--	--	--	--	--	--	--	--	--	--	126	104	--	--	108
4595	--	--	--	103	--	--	--	--	--	--	--	--	--	132	101	--	--	112
<b>PHILLIPS</b>																		
321 NRR	--	--	--	--	--	--	--	--	--	--	--	109	97	--	--	--	--	103
369 NRS	--	--	104	--	--	--	--	--	--	--	--	90	98	--	--	94	77	93
381 NRR	--	96	104	86	--	--	--	--	--	--	--	101	115	116	94	107	80	100
385NRS	--	99	83	--	--	--	--	--	--	--	--	93	97	116	102	102	109	100
401 NRS	--	96	94	98	--	--	--	--	--	--	--	89	85	86	98	91	84	91
417 NRSE	--	111	97	96	--	--	--	--	--	--	--	101	95	117	100	90	102	101
429NRS	--	97	95	--	--	--	--	--	--	--	--	--	--	--	101	--	--	98
486NRS	--	--	--	112	--	--	--	--	--	--	--	--	--	--	93	--	--	102
Ex 3701 NR2Y	--	98	81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89
Ex 3901 NR2Y	--	107	70	--	--	--	--	--	--	--	--	--	--	--	106	--	--	94
Ex 420 NR2Y	--	88	80	--	--	--	--	--	--	--	--	--	--	--	96	--	92	89

Table 24 continued. Yield as a Percentage of Test Average from 2010 Roundup-Resistant Soybean Tests

BRAND/NAME	Topeka		Ottawa	Columbus		Pittsburg		McCune		Erie		Belle		Hutch		Garden	AVG.
	Emmett	dryland		irrigated	MG4	MG 5	DMG 4	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville	Assaria	inson	
<b>PIONEER</b>																	
94Y70	--	--	--	--	--	--	99	--	--	--	--	--	--	--	--	--	127
94Y80	--	--	--	--	--	--	--	92	--	--	--	--	--	--	--	--	92
95Y01	--	--	--	--	--	--	--	102	--	--	--	--	--	--	--	--	99
95Y30	--	--	--	--	--	--	--	101	--	--	--	--	--	--	--	--	101
95Y40	--	--	--	--	--	112	--	--	--	--	--	--	--	--	--	--	112
<b>PROGENY</b>																	
4807RR	--	--	--	--	--	97	--	--	--	97	--	103	--	--	--	--	99
4810RY	--	--	--	--	--	105	--	--	--	105	--	108	--	--	--	--	106
4906RR	--	--	--	--	--	103	--	--	--	99	--	102	--	--	--	--	101
4908RR	--	--	--	--	--	122	--	--	--	103	--	99	--	--	--	--	108
4949RR	--	--	--	--	--	90	--	--	--	100	--	88	--	--	--	--	92
P4920RY	--	--	--	--	--	100	--	--	--	112	--	106	--	--	--	--	106
<b>SYLVESTER</b>																	
3439NRR	--	--	--	--	--	--	--	--	--	--	--	110	116	--	--	--	113
3610NRR	103	--	--	--	--	--	--	--	--	--	--	93	91	--	--	--	96
3631R2	95	--	--	--	--	--	--	--	--	--	--	99	90	--	--	--	95
3738NRR	95	--	--	--	--	--	--	--	--	--	--	--	97	--	--	--	96
3740NR2	99	--	--	--	--	--	--	--	--	--	--	--	90	--	--	--	95
3850NR2	103	--	--	--	--	--	--	--	--	--	--	102	89	--	--	--	98
3861NR2	99	--	--	--	--	--	--	--	--	--	--	103	109	--	--	--	104
3920NRS	112	--	--	--	--	--	--	--	--	--	--	108	104	--	--	--	108
3981NR2	107	--	--	--	--	--	--	--	--	--	--	86	79	--	--	--	91
4041NR2	106	--	--	--	--	--	--	--	--	--	--	87	94	--	--	--	96
4270NR2	102	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102
4329NRR	93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	93
<b>TAYLOR</b>																	
381-2R	104	89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	97
461-2R	--	--	--	117	115	--	--	--	108	--	104	--	--	--	--	--	111
487RRS	--	--	--	114	--	116	--	--	--	--	--	--	--	--	--	--	115
495RRS	--	--	--	--	--	102	--	--	--	101	--	--	--	--	--	--	101
Exp. 33002	--	--	--	--	--	--	--	--	--	--	--	94	--	--	--	--	94
Exp. 39002	91	93	92	--	--	--	--	--	--	--	--	91	116	--	--	--	97
Exp. 42002	--	--	81	94	--	--	--	--	--	--	--	--	--	--	--	--	87
<b>WILLCROSS</b>																	
RR2381N	--	97	106	94	--	--	--	--	--	--	--	--	--	--	--	--	99
RR2397N	--	104	99	88	--	--	--	--	--	--	--	--	--	--	93	--	96
RR2440NSTS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	96	--	96
RR2470NSTS	--	116	108	100	102	--	101	--	92	--	--	--	--	--	--	--	103
RR2490NSTS	--	--	--	--	--	106	--	78	--	99	--	--	--	--	--	--	94
RR2498NSTS	--	--	--	--	--	84	--	100	--	91	--	--	--	--	--	--	92
RR2507NSTS	--	--	--	--	--	99	--	102	--	93	--	--	--	--	--	--	98
RR2544NSTS	--	--	--	--	--	108	--	116	--	112	--	--	--	--	--	--	112
RR2878NSTS	--	121	110	101	94	--	105	--	95	--	--	--	--	104	--	--	104
RY2431NSTS	--	114	90	99	--	--	--	--	--	--	--	--	--	--	--	--	101
RY2460S	--	112	105	112	--	--	--	--	--	--	--	--	--	--	--	--	110
RY2481S	--	134	112	114	108	--	113	--	108	--	--	--	--	--	--	--	115

**Table 25. Yield as a Percentage of Test Average from 2010 Conventional Soybean Tests**

<b>BRAND/NAME</b>	<b>Ottawa</b>	<b>Parsons MG 4</b>	<b>Parsons MG 5</b>	<b>Scandia</b>	<b>AVG.</b>
<b>ADVANCED GENETICS</b>					
AG4989N LL	135	--	89	--	112
AG5177N LL	--	--	116	--	116
<b>BLUE RIVER</b>					
34A7	--	--	--	115	115
35A0	--	--	--	100	100
38C9	--	--	--	105	105
43C1	--	64	--	--	64
45C1	--	97	--	--	97
477.TCS	--	140	--	--	140
53A1	--	--	88	--	88
<b>ILLINOIS AES</b>					
LD00-2817P	121	109	--	97	109
LD00-3309	82	88	--	95	88
<b>IOWA AES</b>					
A06-912002	70	78	--	100	83
A06-912003	92	68	--	119	93
IA4004	85	108	--	105	99
<b>KANSAS AES</b>					
K05-4624	95	88	--	83	89
K05-4626	121	--	61	--	91
K07-1253	102	98	--	87	96
K07-1544	76	103	--	117	98
K07-1633	84	103	--	104	97
KS4607	99	116	--	81	99
KS5004N	--	--	100	--	100
KS5502N	--	--	120	--	120
<b>MISSOURI AES</b>					
PATRIOT	87	75	--	88	83
<b>MORSOY</b>					
LL 4880N	104	--	71	--	87
LL 5120N	134	--	125	--	130
<b>NUTECH</b>					
3340L	92	--	--	--	92
3399L	105	--	--	--	105
3420L	114	--	--	--	114
<b>SUPER SOY</b>					
MPVC-450N	--	120	--	--	120
MPVC-490N	--	--	107	--	107
MPVC-510N	--	--	131	--	131
SS-09L.49N	--	--	94	--	94
SS-10L.51N	--	--	98	--	98
SS-11L.48N	--	--	61	--	61
<b>TENN AES</b>					
5002T	--	--	104	--	104
5601T	--	--	110	--	110
<b>VIRGINIA AES</b>					
HUTCHESON	--	--	114	--	114

**Table 26. Description of Roundup-Resistant Entries in 2010 Soybean Performance Tests**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
ADVANCED GENETICS	AG4041RS	4.0	P	Bl	--	--	--	--	--	--	3.0	STS
ADVANCED GENETICS	AG4462NRR	4.4	P	Lb	--	R	--	MR	PI88788	Rps1a	3.0	--
ADVANCED GENETICS	AG4544NRS	4.5	P	Bl	--	MR	--	--	--	--	4.0	STS
ADVANCED GENETICS	AG4733S R2Y	4.7	P	Bl	--	--	--	--	--	Rps1c	4.0	STS
ADVANCED GENETICS	AG5022NRS	5.0	P	Lb	--	R	--	MR	PI88788	--	4.0	STS
ADVANCED GENETICS	AG5570NRS	5.5	W	Bf	--	MR	--	--	--	Rps1c	2.8	STS
ASGROW	AG2931	2.9	P	IB	--	R	--	--	PI88788	Rps1c	6.0	--
ASGROW	AG3030	3.0	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3039	3.0	P	IB	--	R	--	--	PI88788	Rps1k,7	5.0	--
ASGROW	AG3130	3.1	P	IB	--	MR	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3730	3.7	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3731	3.7	P	IB	--	R	--	--	PI88788	Rps1c	6.0	--
ASGROW	AG3803	3.8	P	lb	--	R	--	--	PI88788	Rps1c	4.0	--
ASGROW	AG3830	3.8	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3931	3.9	P	IB	--	R	--	--	PI88788	S	6.0	--
ASGROW	AG4005	4.0	W	BL	--	MR	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG4606	--	--	--	--	--	--	--	--	--	--	--
ASGROW	AG4730	4.7	P	BL	--	--	--	--	PI887888	Rps1c	5.0	--
ASGROW	AG4903	4.9	P	Bl	--	--	--	--	PI88788	S	7.0	STS
ASGROW	AG4907	4.9	P	BL	--	R	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG5331	5.3	P	--	--	R	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG5405	--	--	--	--	--	--	--	--	--	--	--
ASGROW	AG5503	--	--	--	--	--	--	--	--	--	--	--
ASGROW	AG5605	5.6	P	IB	--	MR	--	MR	PI88788	S	5.0	STS
ASGROW	EXP946R2	4.6	P	IB	--	R	--	--	PI88788	Rps1a	5.0	--
ASGROW	EXP948R2	4.8	P	BL	--	MR	--	--	PI88788	S	7.0	--
DRUSSEL SEED	DSS3929 R2Y	3.9	P	IB	--	R	--	MR	PI88788	--	3.0	--
DYNA-GRO	32RY40	4.0	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	33A40	4.0	P	Bl	--	R	--	R	PI88788	--	2.0	STS
DYNA-GRO	33G48	4.8	W	Bl	--	R	--	--	PI88788	Rps1k	2.0	--
DYNA-GRO	35G38	3.8	P	Bl	--	R	--	R	--	--	2.0	--
DYNA-GRO	35RY33	3.3	P	lb	--	R	--	R	PI88788	Rps1c	4.0	--
DYNA-GRO	35X43	4.3	P	Bl	--	R	--	--	PI88788	S	5.0	--
DYNA-GRO	37A44	4.5	P	Br	--	R	--	R	PI88788	--	2.0	--
DYNA-GRO	37J34	3.4	P	Bl	--	R	--	R	PI88788	Rps1c	3.0	--
DYNA-GRO	37P37	3.7	P	IB	--	R	--	R	--	Rps1c	4.0	--
DYNA-GRO	37RY47	4.7	P	Bl	--	--	--	--	--	HRps1c	4.0	--
DYNA-GRO	37T33	3.3	P	Bl	--	R	--	--	PI88788	S	5.0	--
FONTANELLE	478 NRR STS	4.7	P	Bl	--	MR	--	--	--	S	--	--
FONTANELLE	78N18	--	--	--	--	--	--	--	--	--	--	--
FONTANELLE	78N71	--	--	--	--	--	--	--	--	--	--	--
FONTANELLE	86S40	--	--	--	--	--	--	--	--	--	--	--
FONTANELLE	9680 NRR	3.8	P	IB	R	R	--	R	PI88788	Rps1k	--	--
FONTANELLE	9789 NRR	3.8	W	Bf	--	R	--	--	--	Rps1c	5.0	--
G2 GENETICS	6369	3.6	P	Bl	--	--	--	--	--	Rps1k	--	--
G2 GENETICS	6373	3.7	W	Bl	--	--	--	--	--	Rps1k	--	--
G2 GENETICS	7330	3.3	W	Br	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7350	3.5	W	Br	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7368	3.6	W	Bl	--	R	R	--	PI88788	Rps1c	--	--
G2 GENETICS	7373	3.8	P	Bl	R	R	R	--	PI88788	Rps1k	5.0	--
G2 GENETICS	7381	3.8	W	Bl	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7383	3.8	W	Bl	R	R	R	--	PI88788	Rps1k	4.0	--
G2 GENETICS	7385	3.8	W	Bl	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7390	3.9	W	Bl	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7392	3.9	W	Br	--	R	R	--	PI88788	Rps1a	--	--
G2 GENETICS	7420	4.2	W	Bl	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7438	4.3	W	Bl	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7439S	4.3	P	Bl	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7460	4.6	W	Bl	--	R	R	--	PI88788	--	--	--
G2 GENETICS	7490	4.9	W	Bl	--	R	R	--	PI88788	--	--	--
GOLDEN HARVEST	S44-D5	--	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K04-3083RR	4.8	--	--	--	--	--	--	--	--	--	--

**Table 26 continued. Description of Roundup-Resistant Entries in 2010 Soybean Performance Tests**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
KANSAS AES	KS3406RR	3.4	P	Br	--	S	--	--	--	--	--	--
KANSAS AES	KS5507NRR	5.2	P	IB	R	R	R	R	PI437654	--	--	--
LG SEEDS	C3616R2	3.6	P	IB	--	R	--	MR	PI88788	--	2.0	--
LG SEEDS	C3852R2	3.8	W	Bf	--	--	--	--	--	Rps1c	2.0	--
LG SEEDS	C4125R2	4.1	W	Bl	--	R	--	--	PI88788	Rps1k	2.0	--
MIDLAND	3411NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3610NRR	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3631R2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3738NRR	3.7	--	--	--	MR	--	MR	PI88788	Rps1c	3.0	--
MIDLAND	3740NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3850NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3861NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3920NRS	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3971NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3981NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4041NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4270NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4289NRS	4.2	--	--	--	R	--	MR	PI88788	--	2.0	STS
MIDLAND	4329NRR	4.3	--	--	--	--	--	MR	PI88788	--	2.2	--
MIDLAND	4477NRR	4.4	--	--	--	MR	--	--	PI88788	--	4.0	--
MIDLAND	4506NRR	4.5	--	--	--	R	--	MR	PI88788	--	4.0	STS
MIDLAND	4549NRS	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4580RS2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4768NRR	4.7	--	--	--	R	--	--	PI88788	Rps1c	4.0	--
MIDLAND	4770NRR	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4839NRS	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	5197NRS	5.1	--	--	--	R	--	--	PI88788	--	3.0	STS
MORSOY	R2 4629	4.6	P	Bl	--	--	--	--	--	Rps1c	3.0	--
MORSOY	R2 4960	4.9	P	Bl	--	--	--	--	--	--	4.0	--
MORSOY	R2 5110N	5.1	P	lb	--	R	--	MR	PI88788	--	4.0	--
MORSOY	R2 5200N	5.2	P	lb	--	R	--	MR	PI88788	Rps1c	4.0	--
MORSOY	R2 5400N	5.4	P	Br	--	R	--	MR	PI88788	--	4.0	--
MORSOY	R2S 4740	4.7	P	Bl	--	--	--	--	--	Rps1c	2.0	--
MORSOY	R2S 4810	4.8	P	Bl	--	--	--	--	--	Rps1c	2.0	--
MORSOY	RT 4485N	4.4	P	Br	--	R	--	MR	PI88788	--	4.0	--
MORSOY	RT 4707N	4.7	P	Bl	--	R	--	MR	PI88788	Rps1c	3.0	--
MORSOY	RTS 4824	4.8	P	Bl	--	--	--	--	--	Rps1a	3.0	STS
MORSOY	RTS 5150N	5.1	W	Bf	--	R	--	MR	PI88788	Rps1c	3.0	--
M-PRIDE	MPG4577NRR	4.5	P	Bl	--	R	--	--	--	--	1.8	--
M-PRIDE	MPG4611NRR	4.6	P	Bl	--	--	--	--	--	Rps1c	2.2	--
M-PRIDE	MPG4707NRR/STS	4.7	M	Bl	--	R	--	R	PI88788	--	1.9	STS
NK	S28-B4	2.8	W	Br	S	Si	S	S	--	Rps1k	3.0	--
NK	S36-B6	3.6	P	Bl	S	Si	S	S	--	Rps1a	3.0	--
NK	S36-J4 Brand	3.6	W	LT	--	R	--	R	PI88788	Rps1k	--	--
NK	S37-P5	3.7	W	Bl	--	R	--	R	PI88788	S	3.0	--
NK	S38-H8 Brand	3.8	W	LT	--	R	--	R	PI88788	Rps1c	--	--
NK	S39-A3	3.9	W	Bl	--	R	--	R	PI88788	S	3.0	--
NK	S46-U6	4.6	W	Bl	--	R	--	R	PI88788	Rps1c	4.0	--
NK	S48-C9	--	--	--	--	--	--	--	--	--	--	--
NK	S52-F2	5.2	P	Bl	--	R	--	--	PI88788	--	4.0	--
NUTECH	3909SRN	3.9	W	Bf	--	R	--	R	88.788	Rps1c	--	STS
NUTECH	7359	3.5	--	--	--	--	--	--	--	--	--	--
NUTECH	7369S	3.6	--	--	--	--	--	--	--	--	--	--
NUTECH	7379	3.7	--	--	--	--	--	--	--	--	--	--
NUTECH	7386	3.8	W	Bf	R	R	R	R	PI88788	Rps1c	--	--
NUTECH	7388	3.8	--	--	--	--	--	--	--	--	--	--
NUTECH	7399	3.9	P	Bl	R	R	R	R	PI88788	Rps1c	--	--
NUTECH	7416S	4.1	--	--	--	--	--	--	--	--	--	--
NUTECH	7425S	4.2	--	--	--	--	--	--	--	--	--	--
NUTECH	7443	4.4	--	--	R	R	R	R	PI88788	--	--	--
NUTECH	7475	--	--	--	--	--	--	--	--	--	--	--
OHLDE	332	--	--	--	--	--	--	--	--	--	--	--



**Table 26 continued. Description of Roundup-Resistant Entries in 2010 Soybean Performance Tests**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
OHLDE	3721	3.7	P	Bl	--	MR	--	MS	--	Rps1k	1.5	--
OHLDE	377	--	--	--	--	--	--	--	--	--	--	--
OHLDE	391	--	--	--	--	--	--	--	--	--	--	--
OHLDE	392	--	--	--	--	--	--	--	--	--	--	--
OHLDE	3921	--	--	--	--	--	--	--	--	--	--	--
OHLDE	422	--	--	--	--	--	--	--	--	--	--	--
OHLDE	451	--	--	--	--	--	--	--	--	--	--	--
OHLDE	4595	4.5	P	Br	S	R	S	MR	PI88788	--	2.0	--
PHILLIPS	321 NRR	3.2	W	Br	--	--	--	--	--	--	1.5	--
PHILLIPS	369 NRS	3.6	P	IB	--	--	--	--	--	--	1.5	--
PHILLIPS	381 NRR	3.8	W	Bl	--	--	--	--	--	--	1.5	--
PHILLIPS	385NRS	3.8	W	Bf	--	--	--	--	--	Rcl.7	1.7	--
PHILLIPS	401 NRS	4.0	P	Bl	--	--	--	--	--	--	1.6	--
PHILLIPS	417 NRSE	4.1	W	B	R	--	--	MR	--	--	1.6	--
PHILLIPS	429NRS	4.2	P	Bl	--	--	--	--	--	--	1.8	--
PHILLIPS	486NRS	4.8	P	B	--	MR	--	MS	--	Rps1a	1.8	--
PHILLIPS	Ex 3701 NR2Y	3.7	P	IB	--	--	--	--	--	--	1.9	--
PHILLIPS	Ex 3901 NR2Y	3.9	W	Bf	--	--	--	--	--	R3	1.7	--
PHILLIPS	Ex 420 NR2Y	4.2	P	Bl	--	--	--	--	--	--	1.9	--
PIONEER	94Y70	4.7	P	Bl	MR	MR	MR	MR	PI88788	--	5.0	--
PIONEER	94Y80	4.8	P	Bl	MR	MR	MR	MR	PI88788	--	6.0	--
PIONEER	95Y01	5.0	P	Bl	MR	MR	MR	MR	PI88788	--	5.0	--
PIONEER	95Y30	5.0	W	Bf	--	--	--	--	PEKING	--	--	--
PIONEER	95Y40	5.4	W	Bl	MR	R	S	R	PI88788	Rps1k	4.0	--
PROGENY	4807RR	4.8	P	Bl	--	R	--	--	--	--	--	--
PROGENY	4810RY	4.8	P	Bl	S	S	S	S	--	Rps1c	--	--
PROGENY	4906RR	4.9	P	Bl	--	--	--	--	--	Rps1a	--	--
PROGENY	4908RR	4.9	W	Bl	S	S	S	S	--	--	--	--
PROGENY	4949RR	4.9	W	Bl	--	--	--	--	--	--	--	--
PROGENY	P4920RY	4.9	P	Bl	--	--	--	--	--	--	--	--
SYLVESTER	3411NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3439NRR	3.4	--	--	--	R	--	MR	PI88788	--	1.8	--
SYLVESTER	3610NRR	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3631R2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3738NRR	3.7	--	--	--	R	--	MR	PI88788	Rps1c	2.0	--
SYLVESTER	3740NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3850NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3861NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3920NRS	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3981NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	4041NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	4270NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	4329NRR	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	381-2R	3.8	--	--	--	R	--	MR	PI88788	Rps1a	3.0	--
TAYLOR	461-2R	4.5	--	--	--	MR	--	MR	PI88788	Rps1a	3.0	--
TAYLOR	487RRS	4.8	--	--	--	MR	--	MR	PI88788	Rps1a	2.0	STS
TAYLOR	495RRS	4.9	--	--	--	R	--	MR	PI88788	Rps1k	2.0	--
TAYLOR	Exp. 33002	3.3	--	--	--	--	--	--	--	--	--	--
TAYLOR	Exp. 39002	3.9	--	--	--	--	--	--	--	--	--	--
TAYLOR	Exp. 42002	4.2	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RR2381N	3.8	W	Bl	--	--	--	--	--	Rps1k	1.7	--
WILLCROSS	RR2397N	3.9	P	lb	--	R	--	MR	PI88788	Rps1c	2.6	--
WILLCROSS	RR2470NSTS	4.7	W	Bl	--	R	--	MR	PI88788	Rps1c	2.0	STS
WILLCROSS	RR2490NSTS	4.9	P	IB	--	R	--	MR	PI88788	Rps1c	--	STS
WILLCROSS	RR2498NSTS	4.9	P	IB	--	R	--	MR	--	--	--	STS
WILLCROSS	RR2507NSTS	5.0	P	IB	--	R	--	MR	--	--	--	STS
WILLCROSS	RR2544NSTS	5.4	W	Bf	--	R	--	R	PI88788	--	4.0	STS
WILLCROSS	RR2878NSTS	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2431NSTS	4.2	P	Bl	--	R	--	MR	PI88788	--	2.5	--
WILLCROSS	RY2460S	4.6	P	Bl	--	--	--	--	--	Rps1c	2.2	--
WILLCROSS	RY2481S	4.7	P	Bl	--	--	--	--	--	Rps1c	1.7	--

**Table 27. Description of Conventional Entries in 2010 Soybean Performance Tests**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
ADVANCED GENETICS	AG4989N LL	5.0	P	Bf	--	MR	--	--	--	Rps1k	2.5	--
ADVANCED GENETICS	AG5177N LL	5.1	W	Bl	--	R	--	MR	--	--	2.5	--
BLUE RIVER	34A7	3.5	W	Br	--	--	--	--	--	Rps1a	1.7	--
BLUE RIVER	35A0	3.5	W	Br	--	--	--	--	--	--	2.0	--
BLUE RIVER	38C9	3.8	P	Bl	--	R	--	R	PI88788	Rps1a	1.8	--
BLUE RIVER	43C1	4.3	W	Bl	--	R	--	R	PI88788	A	1.9	--
BLUE RIVER	45C1	4.5	W	Bl	--	R	--	R	PI88788	Rps1a	2.2	--
BLUE RIVER	477.TCS	4.7	P	Bl	--	R	--	--	--	Rps1a	1.9	--
BLUE RIVER	53A1	5.3	P	Bl	--	--	--	--	--	--	--	--
ILLINOIS AES	LD00-2817P	4.1	P	lb	--	R	--	--	788/654	--	--	--
ILLINOIS AES	LD00-3309	3.9	P	Bl	--	R	--	--	PI88788	--	--	--
IOWA AES	A06-912002	3.0	--	--	--	--	--	--	--	--	--	--
IOWA AES	A06-912003	3.0	--	--	--	--	--	--	--	--	--	--
IOWA AES	IA4004	4.0	P	lb	S	S	S	S	--	R	--	--
KANSAS AES	K05-4624	4.5	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K05-4626	4.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K07-1253	4.2	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K07-1544	3.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K07-1633	4.2	--	--	--	--	--	--	--	--	--	--
KANSAS AES	KS4607	4.6	P	Bl	S	S	S	S	--	S	--	--
KANSAS AES	KS5004N	5.0	W	IB	R	R	--	--	PEKING	--	--	--
KANSAS AES	KS5502N	5.2	P	IB	R	R	R	R	PI437654	S	--	--
MISSOURI AES	PATRIOT	3.8	--	--	--	--	--	--	--	--	--	--
MORSOY	LL 4880N	4.8	P	Bl	--	R	--	MR	PI88788	Rps1k	3.0	--
MORSOY	LL 5120N	5.1	Wl	Bl	--	R	--	MR	PI88788	Rps1k	3.0	--
NUTECH	3340L	3.4	--	--	--	--	--	--	--	--	--	--
NUTECH	3399L	3.9	--	--	--	--	--	--	--	--	--	--
NUTECH	3420L	4.2	--	--	--	--	--	--	--	--	--	--
SUPER SOY	MPVC-450N	4.5	W	Bl	--	R	--	R	PI88788	Rps1a	2.2	--
SUPER SOY	MPVC-490N	4.9	W	Bl	R	R	--	R	--	--	2.0	--
SUPER SOY	MPVC-510N	5.1	W	Bl	R	R	--	R	--	--	1.7	--
SUPER SOY	SS-09L.49N	4.9	P	Bf	--	R	--	--	--	Rps1k	2.2	--
SUPER SOY	SS-10L.51N	5.1	W	Bl	--	R	--	--	--	--	1.8	--
SUPER SOY	SS-11L.48N	4.8	P	Bl	--	R	--	R	--	Rps1k	1.9	--
TENN AES	5002T	5.0	W	lb	S	S	S	S	--	S	--	--
TENN AES	5601T	5.6	W	Bf	S	S	S	S	--	S	--	--
VIRGINIA AES	HUTCHESON	5.2	W	Bf	S	S	S	S	--	S	--	--

Flower color: P=purple, W=white, M=mixed

Hilum color: BL=black, IB=imperfect black, BR=brown, BF=buff, G=grey, Y=yellow, M=mixed

SCN Resistance: R1, R3, R4, and R14 = Race 1, 3, 4, and 14, respectively, S=susceptible, R=resistant, MR=moderately resistant

Phytophthora Root Rot: RR=race resistance (major genes), H=heterogeneous; Tolerance=field tolerance score, 1=excellent to 9=poor

STS=sulfonylurea herbicide tolerant

Shattering score: 1=no shattering, 2=1 to 10% shattered, 3=11 to 25% shattered two weeks after maturity

All information supplied by entrant.

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