

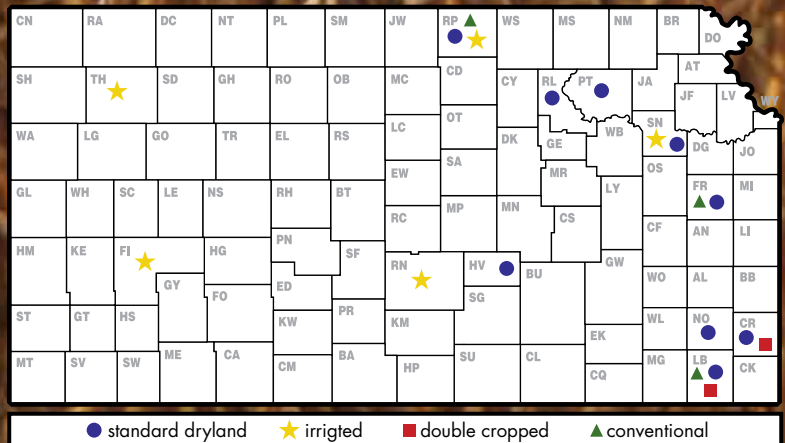
2009

Kansas Performance Tests with Soybean Varieties

Report of Progress 1022



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.....	7
Parsons, Labette County, Maturity Groups III-IV (dryland), Table 6.....	8
Parsons, Labette County, Maturity Groups IV-V (dryland), Table 7.....	9
Pittsburg, No-Till, Double-Cropped Maturity Groups III-IV (dryland), Table 8.....	9
Pittsburg, No-Till, Double-Cropped Maturity Groups IV-V (dryland), Table 9.....	10
McCune, Crawford County, Maturity Groups III-IV (dryland), Table 10.....	10
McCune, Crawford County, Maturity Groups IV-V (dryland), Table 11.....	11
Erie, Neosho County, Maturity Groups III-IV (dryland), Table 12.....	11
Erie, Neosho County, Maturity Groups IV-V (dryland), Table 13.....	12
Scandia, Republic County (irrigated), Table 14.....	13
Belleville, Republic County (dryland), Table 15.....	14
Hesston, Harvey County (dryland), Table 16.....	15
Hutchinson, Reno County (irrigated), Table 17.....	16
Colby, Thomas County (irrigated), Table 18.....	17
Garden City, Finney County (irrigated), Table 19.....	18
Ottawa, Franklin County (dryland/conventional), Table 20.....	19
Parsons, Labette County, Maturity Groups IV-V (dryland/conventional), Table 21.....	19
Scandia, Republic County (irrigated/conventional), Table 22.....	20

YIELD SUMMARY

Yield as a Percentage of Test Average from 2009 Roundup-Resistant Soybean Tests, Table 23.....	21
Yield as a Percentage of Test Average from 2009 Conventional Soybean Tests, Table 24.....	26

APPENDIX

Descriptions of Roundup-Resistant Entries, Table 25.....	27
Description of Conventional Entries, Table 26.....	31
Electronic Access, University Research Policy, and Duplication Policy.....	back cover

2009 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 22. Relative yields of each entry from all locations are shown on Tables 23 and 24. Test results also can be found online at: www.agronomy.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 2009 Kansas Soybean Performance Tests

<p>Illinois Ag. Exp. Stn. (AES) and USDA-ARS Champaign-Urbana, IL 217-265-4062 aces.uiuc.edu</p>	<p>G2 Genetics NuTech Seed, LLC Forest City, IA 641-581-3350 sales@yieldleader.com</p>	<p>Phillips Phillips Seed Farms, Inc. Hope, KS 785-949-2204 phillipsseed.com</p>
<p>Iowa State University Ames, IA 515-292-3497</p>	<p>Kruger Kruger Seed Co. Dike, IA 800-772-2721 krugerseed.com</p>	<p>Pioneer Pioneer Hi-Bred, Intl., Inc. Lincoln, NE 800-258-5604 pioneer.com</p>
<p>Kansas Ag. Exp. Stn (AES) Manhattan, KS 785-532-7242</p>	<p>Lewis Lewis Hybrids, Inc. Ursa, IL 800-252-7851 lewishybrids.com</p>	<p>Progeny Progeny Ag Products Wynne, AR 870-238-2079</p>
<p>Nebraska Ag. Exp. Stn. (AES) and USDA Foundation Seed Division Lincoln, NE 877-229-1363</p>	<p>Midland Midland Genetics Group Ottawa, KS 785-242-3598 info@midlandgenetics.com</p>	<p>Renze RenPro, Inc. Carroll, IA 800-634-2676 renproseed.com</p>
<p>Tennessee Ag. Exp. Stn.(AES) Knoxville, TN 865-974-8801</p>	<p>Morsoy MFA Incorporated Columbia, MO 573-876-5363 morsoy.com</p>	<p>Super Soy Midwest Premium Genetics Concordia, MO 660-463-7333</p>
<p>Channel Channel Bio Corp. Huxley, IA 515-597-5903 www.midwestseed.com</p>	<p>M-Pride Midwest Premium Genetics Concordia, MO 660-463-7333</p>	<p>Sylvester Sylvester Ranch Inc. Ottawa, KS 785-272-3598 info@sylvesterseed.com</p>
<p>Drussel Seed Drussel Seed, Inc. Garden City, KS 620-275-2359</p>	<p>NK Polansky Seed Belleville, KS 785-527-2271 polanskyseed.com</p>	<p>Taylor Taylor Seed Farms, Inc White Cloud, KS 800-742-7473 taylorseedfarms.com</p>
<p>Dyna-Gro UAP-Pueblo Kearny, NE 308-627-4439 uap.com</p>	<p>NuTech NuTech Seed, LLC Forest City, IA 641-581-3350 sales@yieldleader.com</p>	<p>Willcross NeCo Seed Farms, Inc. Garden City, MO 816-862-8203 willcross.com</p>
<p>Fontanelle Fontanelle Seeds Fremont, NE 402-721-1410 fontanelle.com</p>	<p>Ohlde Ohlde Seed Farms, Inc. Palmer, KS 785-692-4555</p>	<p>Willcross Willcross Seed King City, MO 800-411-5957</p>

Lance Rezac Farm, Emmett, Pottawatomie County; Bill Schapaugh, agronomist, 785-532-7242

Wabash silty clay, pH 6.9, % OM; P test: M, K test: M Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good.

0-0-0 lb N-P-K fertilizer
 April May June July Aug. Sept. Total
 Rainfall: 4.1 0.8 6.7 5.6 3.8 6.0 26.9

Planted 5/12/2009 at 9 seeds/ft; harvested 10/13/2009; 15 ft. by 2-row plot; pesticides: Two applications of 1.25 pt glyphosate postemergence.

Table 2. Emmett, Pottawatomie County Dryland Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	3600R2	70.2	--	--	--	--	111	--	--	9/26	1.0	46
FONTANELLE	78N18	69.1	--	--	--	--	110	--	--	9/27	1.0	43
FONTANELLE	80N29	57.7	--	--	--	--	91	--	--	10/1	1.0	44
FONTANELLE	9789 NRR	61.8	37.1	--	49.5	--	98	96	--	9/27	1.0	40
KRUGER	K2-3401	65.6	--	--	--	--	104	--	--	9/23	1.0	43
KRUGER	K2-3601	65.7	--	--	--	--	104	--	--	9/25	1.0	45
KRUGER	K2-3801	67.8	--	--	--	--	107	--	--	9/27	1.0	42
KRUGER	K2-3901	61.8	--	--	--	--	98	--	--	10/1	1.0	45
KRUGER	K2X41A9	64.1	--	--	--	--	102	--	--	9/29	1.0	43
KRUGER	K-375RR/SCN	59.5	--	--	--	--	94	--	--	9/27	1.0	37
LEWIS	360R2	65.0	--	--	--	--	103	--	--	9/26	1.0	45
LEWIS	3780	59.9	--	--	--	--	95	--	--	9/27	1.0	34
LEWIS	3909	64.9	37.5	--	51.2	--	103	97	--	9/28	1.0	43
OHLDE	Exp 362R	61.0	--	--	--	--	97	--	--	9/27	1.0	38
OHLDE	Exp 372R	65.9	--	--	--	--	104	--	--	9/26	1.0	46
OHLDE	Exp 392R	65.0	--	--	--	--	103	--	--	9/26	1.0	41
OHLDE	Exp 421RS	56.3	--	--	--	--	89	--	--	9/30	1.0	35
OHLDE	O-3632	62.5	--	--	--	--	99	--	--	9/26	1.0	36
OHLDE	O-3727	53.8	42.1	54.8	48.0	50.2	85	109	101	9/28	1.0	36
OHLDE	O-3732	60.0	40.7	--	50.4	--	95	105	--	9/26	1.0	40
RENZE	R3797RRcn	58.7	--	--	--	--	93	--	--	9/27	1.0	39
RENZE	R4038SRcn	61.0	39.2	58.2	50.1	52.8	97	102	107	9/30	1.0	38
RENZE	R4230SRcn	64.0	--	--	--	--	101	--	--	9/29	1.0	37
SYLVESTER	3439NRR	57.3	--	--	--	--	91	--	--	9/24	1.0	38
SYLVESTER	3610NRR	64.0	--	--	--	--	101	--	--	9/26	1.0	40
SYLVESTER	3630R2	64.1	--	--	--	--	102	--	--	9/25	1.0	42
SYLVESTER	3738NRR	64.8	--	--	--	--	103	--	--	9/26	1.0	43
SYLVESTER	3740NR2	65.2	--	--	--	--	103	--	--	9/26	1.0	46
SYLVESTER	3850NR2	67.9	--	--	--	--	108	--	--	9/28	1.0	42
SYLVESTER	3920NRS	63.8	--	--	--	--	101	--	--	9/27	1.0	37
SYLVESTER	3960NR2	63.0	--	--	--	--	100	--	--	9/28	1.0	38
SYLVESTER	4270NR2	62.9	--	--	--	--	100	--	--	9/30	1.0	39
SYLVESTER	4289NRS	57.7	--	--	--	--	91	--	--	10/1	1.0	38
SYLVESTER	9A385NRS	63.9	--	--	--	--	101	--	--	9/28	1.0	39
TAYLOR	378RR	63.2	43.8	--	53.5	--	100	113	--	9/26	1.0	44
TAYLOR	Exp 371-2R	65.1	--	--	--	--	103	--	--	9/26	1.0	47
TAYLOR	Exp 381-2R	65.4	--	--	--	--	104	--	--	9/27	1.0	42
WILLCROSS	2379N	68.8	--	--	--	--	109	--	--	9/28	1.0	40
WILLCROSS	2399N	62.2	--	--	--	--	99	--	--	9/26	1.0	39
	AVERAGES	63.1	38.6	54.3								
	CV (%)	5.2	8.7	5.8								
	LSD (0.10)	3.6	4.0	3.7								

Values in bold are in the upper LSD group.

J.D. Hanna, Erma Harden Farm, Topeka, Shawnee County; Larry Maddux, agronomist, 785-354-7236

Reading silty clay loam, pH na, % OM na; P test: , K test: -- Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good.

0-0-0 lb N-P-K fertilizer
 April May June July Aug. Sept. Total
 Rainfall: 6.6 2.3 7.2 7.0 6.0 4.3 33.4

Planted 5/22/2009 at 8 seeds/ft; harvested 10/19/2009; 27.5 ft. by 2-row plot; pesticides: 24 oz Touchdown Total, 7 oz Select, 7 oz Resource postemergence.

Table 3. Topeka, Shawnee County Dryland Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	3800R2	67.3	--	--	--	--	101	--	--	9/29	1.0	43
CHANNEL	3852R	73.2	42.3	--	57.8	--	109	107	--	9/28	1.0	41
CHANNEL	4000R2	66.8	--	--	--	--	100	--	--	9/30	1.0	50
DYNA-GRO	32C38	67.0	40.8	--	53.9	--	100	103	--	9/28	1.0	43
DYNA-GRO	32X39	72.5	39.2	--	55.9	--	108	99	--	9/27	1.0	43
DYNA-GRO	35G38	70.0	35.7	34.3	52.9	46.7	105	90	117	9/28	1.0	45
DYNA-GRO	37P37	68.7	--	--	--	--	103	--	--	9/27	1.7	47
DYNA-GRO	39RY34	65.9	--	--	--	--	99	--	--	9/25	1.3	41
FONTANELLE	78N18	72.0	--	--	--	--	108	--	--	9/29	1.3	44
FONTANELLE	80N29	63.3	--	--	--	--	95	--	--	9/30	1.3	50
FONTANELLE	9789 NRR	70.7	35.6	--	53.2	--	106	90	--	9/28	1.7	47
G2 GENETICS	7383	66.0	--	--	--	--	99	--	--	9/28	1.3	49
G2 GENETICS	7391	51.9	41.5	--	46.7	--	78	105	--	9/11	1.0	35
G2 GENETICS	7392	56.5	--	--	--	--	84	--	--	9/27	1.0	46
G2 GENETICS	7401	61.7	--	--	--	--	92	--	--	9/29	1.0	50
KANSAS AES	KS3406RR	60.6	36.9	34.4	48.8	44.0	91	93	117	9/23	1.0	41
KRUGER	K2-3801	67.3	--	--	--	--	101	--	--	9/29	1.0	46
KRUGER	K2X41A9	67.8	--	--	--	--	101	--	--	9/30	1.7	48
KRUGER	K2X42A9	64.7	--	--	--	--	97	--	--	9/30	1.0	43
KRUGER	K2X43A9	65.3	--	--	--	--	98	--	--	10/2	1.0	53
KRUGER	K2X43B9	66.2	--	--	--	--	99	--	--	10/2	1.3	47
KRUGER	K2X43C9	67.3	--	--	--	--	101	--	--	10/2	1.0	47
KRUGER	K-375RR/SCN	71.9	--	--	--	--	107	--	--	9/28	1.0	43
KRUGER	K-428RR/SCN	65.0	--	--	--	--	97	--	--	9/30	1.3	48
KRUGER	K-439RR/SCN	68.4	--	--	--	--	102	--	--	10/1	1.0	42
MIDLAND	3610NRR	73.3	--	--	--	--	110	--	--	9/27	2.0	42
MIDLAND	3630R2	72.9	--	--	--	--	109	--	--	9/27	1.7	45
MIDLAND	3738NRR	67.3	36.4	31.3	51.9	45.0	101	92	106	9/27	1.3	46
MIDLAND	3740NR2	67.7	--	--	--	--	101	--	--	9/28	1.7	49
MIDLAND	3850NR2	71.2	--	--	--	--	106	--	--	9/29	1.0	47
MIDLAND	3920NRS	70.4	--	--	--	--	105	--	--	9/29	1.0	42
MIDLAND	3960NR2	69.4	--	--	--	--	104	--	--	9/27	1.0	43
MIDLAND	4157NRS	66.8	41.2	34.3	54.0	47.4	100	104	117	10/2	1.7	45
MIDLAND	4270NR2	66.3	--	--	--	--	99	--	--	9/30	1.0	44
MIDLAND	4289NRS	67.0	36.0	--	51.5	--	100	91	--	10/1	1.0	44
MIDLAND	4329NRR	65.2	39.9	--	52.6	--	97	101	--	10/2	1.7	48
MIDLAND	4580R2	65.0	--	--	--	--	97	--	--	10/2	1.0	47
MIDLAND	9A385NRS	62.8	42.3	29.1	52.6	44.7	94	107	99	9/29	1.0	43
NUTECH	3909SRN	73.2	33.3	33.2	53.3	46.6	109	84	113	9/29	1.0	45
NUTECH	4444+RN	63.3	42.7	28.2	53.0	44.7	95	108	96	10/4	1.3	51
NUTECH	7349	72.6	--	--	--	--	109	--	--	9/27	1.7	43
NUTECH	7379	75.5	--	--	--	--	113	--	--	9/27	1.0	42
NUTECH	7386	70.1	41.4	--	55.8	--	105	105	--	9/28	1.0	43
NUTECH	7416S	59.6	--	--	--	--	89	--	--	10/1	1.0	42
NUTECH	7417	71.2	--	--	--	--	106	--	--	10/1	1.0	42
NUTECH	7443	61.3	46.9	--	54.1	--	92	119	--	10/4	1.7	52
OHLDE	Exp 421RS	64.2	--	--	--	--	96	--	--	10/1	1.0	42
PHILLIPS	360NRY	70.7	--	--	--	--	106	--	--	9/27	1.0	49
PHILLIPS	380RY	56.7	--	--	--	--	85	--	--	9/28	1.0	49
PHILLIPS	385NRS	71.0	40.5	30.1	55.8	47.2	106	103	102	9/29	1.3	42
PHILLIPS	399NRS	68.3	--	--	--	--	102	--	--	9/29	1.3	41
PHILLIPS	417 NRSE	60.7	41.9	26.7	51.3	43.1	91	106	91	9/30	1.0	41

Table 3 continued. Topeka, Shawnee County Dryland Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
PHILLIPS	420NRY	56.4	--	--	--	--	84	--	--	10/1	1.3	50
PHILLIPS	429NRS	69.3	--	--	--	--	104	--	--	10/1	1.0	41
PHILLIPS	439NRS	60.5	42.3	--	51.4	--	90	107	--	10/3	1.0	44
RENZE	R3797RRcn	66.3	--	30.8	--	--	99	--	105	9/29	1.0	44
RENZE	R4038SRcn	73.4	45.3	34.1	59.4	50.9	110	115	116	10/3	1.0	46
RENZE	R4230SRcn	64.4	--	--	--	--	96	--	--	10/1	1.3	45
TAYLOR	Exp 371-2R	74.4	--	--	--	--	111	--	--	9/26	1.7	49
TAYLOR	Exp 381-2R	66.7	--	--	--	--	100	--	--	9/28	1.3	44
	AVERAGES	66.9	39.5	29.4								
	CV (%)	7.6	9.8	12.4								
	LSD (0.10)	6.8	5.2	4.9								

Values in bold are in the upper LSD group.

Kansas River Valley Experiment Field, Topeka, Shawnee County; Larry Maddux, agronomist, 785-354-7236

Eudora silt loam, pH na, % OM na; P test: , K test: -- Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good.

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.7	1.9	6.0	5.7	3.8	2.6	23.7
Irrigation:	0.0	0.0	0.0	0.0	0.0	0.0	0

Planted 5/22/2009 at 8 seeds/ft; harvested 10/19/2009; 27.5 ft. by 2-row plot; pesticides: na

Table 4. Topeka, Shawnee County Irrigated Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	3800R2	75.9	--	--	--	--	108	--	--	9/29	1.7	48
CHANNEL	3951R	69.7	52.2	70.2	61.0	64.0	99	101	99	9/27	1.0	46
CHANNEL	4000R2	67.5	--	--	--	--	96	--	--	9/29	1.7	53
FONTANELLE	78N18	78.0	--	--	--	--	111	--	--	9/28	1.7	50
FONTANELLE	80N29	73.4	--	--	--	--	105	--	--	10/1	1.0	53
G2 GENETICS	7373	66.5	--	--	--	--	95	--	--	9/25	1.0	47
G2 GENETICS	7383	70.4	59.1	--	64.8	--	100	114	--	9/27	1.7	51
G2 GENETICS	7392	79.5	--	--	--	--	113	--	--	9/29	1.7	54
G2 GENETICS	7401	67.1	--	--	--	--	96	--	--	9/26	1.7	50
G2 GENETICS	7439S	80.6	--	--	--	--	115	--	--	9/29	1.0	46
KRUGER	K2-3801	76.3	--	--	--	--	109	--	--	9/28	2.0	48
KRUGER	K2X41A9	67.5	--	--	--	--	96	--	--	9/28	2.3	49
KRUGER	K2X42A9	64.9	--	--	--	--	92	--	--	9/27	2.0	47
KRUGER	K2X43A9	55.8	--	--	--	--	79	--	--	9/30	2.0	54
KRUGER	K2X43B9	59.9	--	--	--	--	85	--	--	9/29	2.0	51
KRUGER	K2X43C9	70.8	--	--	--	--	101	--	--	10/1	1.0	48
KRUGER	K-375RR/SCN	77.5	--	--	--	--	110	--	--	9/25	1.3	43
KRUGER	K-384RR/SCN	73.5	50.5	74.3	62.0	66.1	105	98	104	9/29	1.0	48
KRUGER	K-410RR/SCN	71.1	50.5	69.0	60.8	63.5	101	98	97	9/29	1.7	48
KRUGER	K-428RR/SCN	61.6	--	--	--	--	88	--	--	9/28	1.3	48
KRUGER	K-439RR/SCN	71.6	--	--	--	--	102	--	--	10/1	1.0	46
MIDLAND	3439NRR	74.1	45.3	--	59.7	--	106	88	--	9/25	1.0	46
MIDLAND	3610NRR	80.4	--	--	--	--	115	--	--	9/27	2.7	46
MIDLAND	3630R2	72.2	--	--	--	--	103	--	--	9/25	3.0	48
MIDLAND	3740NR2	69.9	--	--	--	--	100	--	--	9/28	1.7	52
MIDLAND	3850NR2	73.3	--	--	--	--	104	--	--	9/28	1.0	47
MIDLAND	3920NRS	74.3	--	--	--	--	106	--	--	9/26	1.0	44
MIDLAND	3960NR2	57.7	--	--	--	--	82	--	--	9/27	1.7	43
MIDLAND	4289NRS	69.3	58.3	--	63.8	--	99	113	--	9/29	1.0	43
MIDLAND	9A385NRS	69.9	48.7	77.5	59.3	65.4	100	94	109	9/29	2.0	45
NUTECH	3909SRN	65.9	55.4	84.6	60.7	68.6	94	107	119	9/26	1.7	44
NUTECH	7349	73.3	--	--	--	--	104	--	--	9/27	2.0	43
NUTECH	7386	81.2	57.8	--	69.5	--	116	112	--	9/28	1.0	43
NUTECH	7399	68.5	--	--	--	--	98	--	--	9/26	1.3	47

Table 4 continued. Topeka, Shawnee County Irrigated Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
NUTECH	7416S	76.6	--	--	--	--	109	--	--	9/29	1.3	44
NUTECH	7417	66.8	--	--	--	--	95	--	--	10/1	1.0	45
OHLEDE	Exp 421RS	67.9	--	--	--	--	97	--	--	9/29	1.7	45
OHLEDE	O-3727	76.8	50.7	76.3	63.8	67.9	109	98	107	9/28	2.0	45
PHILLIPS	3600R2Y	62.9	--	--	--	--	90	--	--	9/23	1.3	47
PHILLIPS	360NRY	66.4	--	--	--	--	95	--	--	9/27	2.0	53
PHILLIPS	380RY	70.6	--	--	--	--	101	--	--	9/27	1.3	52
PHILLIPS	385NRS	72.7	58.1	80.5	65.4	70.4	104	112	113	9/26	1.3	46
PHILLIPS	399NRS	73.8	--	--	--	--	105	--	--	9/26	1.7	43
PHILLIPS	417 NRSE	68.0	51.7	79.1	59.9	66.3	97	100	111	9/29	1.3	44
PHILLIPS	420NRY	56.3	--	--	--	--	80	--	--	9/30	2.3	51
PHILLIPS	429NRS	64.4	--	--	--	--	92	--	--	10/1	1.3	46
PHILLIPS	439NRS	61.1	49.7	--	55.4	--	87	96	--	10/1	1.0	48
RENZE	R3797RRcn	57.3	--	--	--	--	82	--	--	9/27	2.0	50
RENZE	R4038SRcn	74.4	--	70.5	--	--	106	--	99	10/2	1.3	48
RENZE	R4230SRcn	62.8	--	--	--	--	89	--	--	9/30	1.3	44
TAYLOR	Exp 381-2R	73.0	--	--	--	--	104	--	--	9/29	1.3	47
TAYLOR	Exp 391-2R	68.8	--	--	--	--	98	--	--	9/27	1.3	46
WILLCROSS	RR2397N	77.3	55.8	--	66.6	--	110	108	--	9/30	2.7	50
WILLCROSS	RR2398N	71.7	--	--	--	--	102	--	--	9/28	1.3	45
WILLCROSS	RR2446N	65.4	--	--	--	--	93	--	--	10/3	1.3	53
WILLCROSS	RR2470NSTS	75.0	51.0	--	63.0	--	107	99	--	10/2	1.7	51
WILLCROSS	RR2477NSTS	68.3	53.0	--	60.7	--	97	103	--	10/2	1.0	47
WILLCROSS	RR2484N	72.1	--	--	--	--	103	--	--	10/1	2.0	49
WILLCROSS	RR2878NSTS	73.8	--	--	--	--	105	--	--	10/3	1.3	56
	AVERAGES	70.2	51.7	71.2								
	CV (%)	12.4	8.9	8.9								
	LSD (0.10)	11.8	6.2	8.6								

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, % OM na; P test: M, K test: M
0-0-0 lb N-P-K fertilizer

Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good. High wind storm in early July resulted in some plant damage during flowering.

April May June July Aug. Sept. Total

Rainfall: 6.9 2.7 7.1 4.6 6.9 10.9 39.1

Planted 5/19/2009 at 8 seeds/ft; harvested 11/6/2009; 33 ft. by 2-row plot; pesticides: 1.3 pt Dual preplant, .75 lb ae glyphosate postemergence.

Table 5. Ottawa, Franklin County Dryland Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	3852R	51.2	43.3	--	47.3	--	97	101	--	9/30	1.0	31
CHANNEL	4000R2	49.2	--	--	--	--	93	--	--	10/3	1.5	35
CHANNEL	4551R	50.9	--	24.2	--	--	97	--	97	10/7	1.0	35
CHANNEL	XPR43-09	53.1	--	--	--	--	101	--	--	10/6	1.8	36
CHANNEL	XPR45-09	56.9	--	--	--	--	108	--	--	10/6	1.0	34
DYNA-GRO	32C38	57.3	44.2	26.8	50.8	42.8	109	103	108	9/30	1.3	32
DYNA-GRO	33A40	44.9	--	23.2	--	--	85	--	93	10/3	1.5	32
DYNA-GRO	35G38	50.9	--	18.1	--	--	97	--	73	9/28	1.0	34
DYNA-GRO	37P37	44.7	--	--	--	--	85	--	--	9/28	1.8	33
DYNA-GRO	38C42	51.8	44.5	27.8	48.2	41.4	98	103	112	10/5	1.0	33
FONTANELLE	460 NRRSTS	51.8	--	--	--	--	98	--	--	10/7	1.0	33
FONTANELLE	478 NRR STS	59.3	45.4	--	52.4	--	113	106	--	10/9	1.0	37
FONTANELLE	80N29	50.7	--	--	--	--	96	--	--	10/4	2.0	35
FONTANELLE	EXP 84N	51.8	--	--	--	--	98	--	--	10/7	1.0	34
G2 GENETICS	7383	46.5	39.9	--	43.2	--	88	93	--	9/28	1.8	34
G2 GENETICS	7392	50.9	--	--	--	--	97	--	--	9/28	1.0	35
G2 GENETICS	7401	47.9	--	--	--	--	91	--	--	9/29	1.3	34

Table 5 continued. Ottawa, Franklin County Dryland Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
KANSAS AES	KS3406RR	56.4	37.0	20.9	46.7	38.1	107	86	84	9/24	1.5	32
KRUGER	K2-3801	54.7	--	--	--	--	104	--	--	9/28	1.3	33
KRUGER	K2X41A9	51.5	--	--	--	--	98	--	--	10/1	1.8	37
KRUGER	K2X42A9	56.6	--	--	--	--	107	--	--	10/3	1.0	33
KRUGER	K2X43A9	50.3	--	--	--	--	95	--	--	10/6	2.0	39
KRUGER	K2X43B9	47.7	--	--	--	--	91	--	--	10/4	1.8	37
KRUGER	K2X43C9	58.9	--	--	--	--	112	--	--	10/5	1.0	35
KRUGER	K-375RR/SCN	63.4	--	--	--	--	120	--	--	9/30	1.3	31
KRUGER	K-428RR/SCN	46.7	--	--	--	--	89	--	--	10/3	1.0	33
KRUGER	K-439RR/SCN	48.9	--	--	--	--	93	--	--	10/1	1.3	31
MIDLAND	3738NRR	50.3	38.1	24.7	44.2	37.7	95	89	99	9/28	2.0	35
MIDLAND	3850NR2	54.0	--	--	--	--	102	--	--	9/30	1.0	33
MIDLAND	3920NRS	53.3	--	--	--	--	101	--	--	9/29	1.0	33
MIDLAND	4157NRS	48.7	42.5	26.6	45.6	39.3	92	99	107	10/4	1.8	34
MIDLAND	4270NR2	55.5	--	--	--	--	105	--	--	10/4	1.0	34
MIDLAND	4329NRR	58.2	43.2	--	50.7	--	110	100	--	10/7	1.0	35
MIDLAND	4477NRR	54.5	43.8	23.2	49.2	40.5	103	102	93	10/4	1.0	35
MIDLAND	4506NRR	58.2	42.9	22.8	50.6	41.3	110	100	92	10/5	1.5	39
MIDLAND	4580R2	54.5	--	--	--	--	103	--	--	10/6	1.3	35
MIDLAND	4768NRR	52.9	49.9	24.0	51.4	42.3	100	116	96	10/8	1.3	38
MIDLAND	4770NRR	53.9	--	--	--	--	102	--	--	10/8	1.5	34
MIDLAND	4839NRS	50.9	--	--	--	--	97	--	--	10/9	1.8	36
MORSOY	RT 4485N	61.4	43.2	26.3	52.3	43.6	117	100	106	10/8	1.3	36
M-PRIDE	MPG3908NRR/STS	50.1	39.7	--	44.9	--	95	92	--	10/2	1.3	31
M-PRIDE	MPG4509NRR/STS	50.1	46.9	--	48.5	--	95	109	--	10/2	1.0	31
M-PRIDE	MPG4689NRR/STS	42.9	--	--	--	--	81	--	--	10/6	1.3	35
NUTECH	3909SRN	51.4	41.9	--	46.7	--	98	97	--	9/30	1.0	32
NUTECH	4444+RN	58.1	48.5	--	53.3	--	110	113	--	10/7	1.5	38
NUTECH	7386	54.6	--	--	--	--	104	--	--	9/29	1.0	32
NUTECH	7416S	52.0	--	--	--	--	99	--	--	10/5	1.0	33
NUTECH	7417	53.2	--	--	--	--	101	--	--	10/5	1.0	32
NUTECH	7443	57.1	--	--	--	--	108	--	--	10/7	1.5	39
NUTECH	7475	50.4	--	--	--	--	96	--	--	10/9	1.0	31
OHLDE	Exp 421RS	55.1	--	--	--	--	105	--	--	10/3	1.0	32
OHLDE	O-4595	55.1	45.1	24.6	50.1	41.6	105	105	99	10/6	1.3	39
PHILLIPS	399NRS	51.5	--	--	--	--	98	--	--	9/29	1.5	31
PHILLIPS	417 NRSE	53.4	--	24.3	--	--	101	--	98	10/4	1.0	34
PHILLIPS	420NRY	53.9	--	--	--	--	102	--	--	10/2	1.8	37
PHILLIPS	429NRS	52.3	--	--	--	--	99	--	--	10/3	1.0	32
PHILLIPS	439NRS	49.2	--	--	--	--	93	--	--	10/7	1.0	35
PHILLIPS	486NRS	53.5	--	--	--	--	102	--	--	10/9	1.3	37
RENZE	R3797RRcn	51.2	--	--	--	--	97	--	--	9/30	1.5	32
RENZE	R4038SRcn	51.5	--	23.4	--	--	98	--	94	10/4	1.0	31
RENZE	R4230SRcn	54.3	--	--	--	--	103	--	--	10/3	1.0	32
TAYLOR	445RR	50.7	47.7	25.1	49.2	41.2	96	111	101	10/6	1.5	37
TAYLOR	487RRS	58.4	45.9	31.1	52.2	45.1	111	107	125	10/8	1.0	37
TAYLOR	Exp 461-2R	61.2	--	--	--	--	116	--	--	10/7	1.0	34
WILLCROSS	RR2397N	49.0	41.5	26.5	45.3	39.0	93	97	106	9/29	1.0	37
WILLCROSS	RR2398N	49.1	--	--	--	--	93	--	--	9/29	1.3	33
WILLCROSS	RR2446N	55.1	--	25.8	--	--	105	--	104	10/7	1.0	36
WILLCROSS	RR2470NSTS	53.4	46.3	--	49.9	--	101	108	--	10/7	1.0	34
WILLCROSS	RR2477NSTS	51.7	44.7	--	48.2	--	98	104	--	10/7	1.0	29
WILLCROSS	RR2484N	50.8	--	23.4	--	--	96	--	94	10/9	1.3	35
WILLCROSS	RR2878NSTS	53.3	--	--	--	--	101	--	--	10/6	1.5	37
	AVERAGES	52.7	43.0	24.9								
	CV (%)	7.5	9.9	11.5								
	LSD (0.10)	4.5	5.0	3.4								

Values in bold are in the upper LSD group.

Southeast Agricultural Research Center, Parsons, Labette County; James Long, agronomist, 620-421-4826

Parsons silt loam, pH na, % OM na; P test: M, K test: M Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good.
 18-46-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 4.9 6.2 4.7 7.4 5.6 12.6 41.4

Planted 6/5/2009 at 7 seeds/ft; harvested 11/4/2009; 17 ft. by 2-row plot; pesticides: 1.33 Pint Dual II Magnum, 3 oz Canopy XL preemergence.

Table 6. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups III-IV, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	4551R	57.6	--	30.6	--	--	98	--	109	10/7	1.3	38
CHANNEL	XPR43-09	53.7	--	--	--	--	91	--	--	10/1	1.0	37
CHANNEL	XPR45-09	63.9	--	--	--	--	108	--	--	10/4	1.0	31
CHANNEL	XPR46-09	62.2	--	--	--	--	105	--	--	10/5	1.0	31
DYNA-GRO	33A40	55.1	49.4	33.2	52.3	45.9	93	97	119	9/29	1.0	34
DYNA-GRO	35G38	50.8	--	19.8	--	--	86	--	71	9/26	1.0	31
DYNA-GRO	36C44	57.3	49.3	--	53.3	--	97	97	--	10/2	1.0	30
DYNA-GRO	37A44	63.1	48.7	33.1	55.9	48.3	107	96	118	10/10	1.0	38
DYNA-GRO	38C42	57.2	47.2	25.1	52.2	43.2	97	93	90	10/2	1.0	28
FONTANELLE	460 NRRSTS	61.3	--	--	--	--	104	--	--	10/8	1.3	33
FONTANELLE	478 NRR STS	62.8	55.6	--	59.2	--	106	110	--	10/15	1.0	38
FONTANELLE	EXP 84N	63.2	--	--	--	--	107	--	--	10/1	1.0	31
KANSAS AES	KS3406RR	48.7	--	17.2	--	--	83	--	61	9/24	1.0	29
MIDLAND	4270NR2	56.7	--	--	--	--	96	--	--	9/30	1.0	29
MIDLAND	4329NRR	59.1	--	--	--	--	100	--	--	10/6	1.0	32
MIDLAND	4477NRR	58.9	50.2	28.2	54.6	45.8	100	99	101	10/2	1.0	34
MIDLAND	4506NRR	63.2	50.9	28.5	57.1	47.5	107	100	102	10/7	1.0	39
MIDLAND	4580R2	61.7	--	--	--	--	105	--	--	10/2	1.0	30
MIDLAND	4768NRR	61.8	49.3	34.4	55.6	48.5	105	97	123	10/11	1.0	35
MIDLAND	4770NRR	59.3	--	--	--	--	101	--	--	10/8	1.0	37
MORSOY	RT 4707N	63.3	51.2	--	57.3	--	107	101	--	10/12	1.0	34
M-PRIDE	MPG4509NRR/STS	58.4	50.5	--	54.5	--	99	100	--	10/1	1.0	29
M-PRIDE	MPG4689NRR/STS	53.7	--	--	--	--	91	--	--	10/4	1.3	36
PIONEER	94Y70	62.4	--	--	--	--	106	--	--	10/7	1.0	39
	AVERAGES	59.0	50.7	28.0								
	CV (%)	4.0	6.5	15.8								
	LSD (0.10)	2.8	3.9	5.2								

Values in bold are in the upper LSD group.

Southeast Agricultural Research Center, Parsons, Labette County; James Long, agronomist, 620-421-4826

Parsons silt loam, pH na, % OM na; P test: M, K test: M
18-46-0 lb N-P-K fertilizer

Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good. Cool temperatures and freezes in late October adversely effected mid-goup V and later entries which had only partially completed seed fill.

April May June July Aug. Sept. Total
Rainfall: 4.9 6.2 4.7 7.4 5.6 12.6 41.4

Planted 6/5/2009 at 7 seeds/ft; harvested 11/4/2009; 17 ft. by 2-row plot; pesticides: 1.33 Pint Dual II Magnum, 3 oz Canopy XL preemergence.

Table 7. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups IV-V, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	5051R	58.4	--	--	--	--	101	--	--	10/17	1.8	38
CHANNEL	5351R	57.4	46.3	37.6	51.9	47.1	99	98	107	10/24	3.0	43
KANSAS AES	KS5507NRR	48.0	49.3	37.7	48.7	45.0	83	104	107	10/26	3.8	35
MIDLAND	4839NRS	55.8	--	--	--	--	96	--	--	10/15	1.0	38
MIDLAND	5197NRS	54.8	50.7	39.8	52.8	48.4	95	107	113	10/24	3.0	41
MORSOY	RT 5154N	61.1	48.2	32.1	54.7	47.1	106	102	91	10/17	1.3	40
MORSOY	RTS 4824	64.2	49.7	29.6	57.0	47.8	111	105	84	10/16	1.3	38
M-PRIDE	MPG4907NRR/STS	58.3	44.1	--	51.2	--	101	93	--	10/17	1.3	38
M-PRIDE	MPG5505NRR/STS	56.1	53.7	34.9	54.9	48.2	97	114	99	10/24	3.0	39
PIONEER	94Y80	61.6	--	--	--	--	106	--	--	10/14	1.8	38
PIONEER	95Y01	60.6	--	--	--	--	105	--	--	10/19	1.8	34
PIONEER	95Y40	53.0	51.5	--	52.3	--	92	109	--	10/23	3.5	37
PROGENY	4807RR	62.1	--	--	--	--	107	--	--	10/18	1.0	38
PROGENY	4906RR	60.1	--	--	--	--	104	--	--	10/14	1.3	35
PROGENY	4949RR	56.1	--	--	--	--	97	--	--	10/15	1.0	36
PROGENY	5115RR	57.3	--	--	--	--	99	--	--	10/18	1.3	39
PROGENY	5218RR	51.3	--	--	--	--	89	--	--	10/24	4.8	36
TAYLOR	487RRS	61.6	--	--	--	--	106	--	--	10/15	1.0	37
TAYLOR	495RRS	61.9	47.0	--	54.5	--	107	100	--	10/15	1.0	33
	AVERAGES	57.9	47.2	35.2								
	CV (%)	4.1	8.3	13.3								
	LSD (0.10)	2.7	4.6	5.5								

Values in bold are in the upper LSD group.

Dale Roberds Farm, Pittsburg, Cherokee County; Bill Schapaugh, agronomist, 785-532-7242

Parsons silt loam, pH 7.0, % OM na; P test: VH, K test: VH
0-0-0 lb N-P-K fertilizer

Double-cropped following wheat and planted into heavy residue.

April May June July Aug. Sept. Total
Rainfall: 4.9 6.2 4.7 7.4 5.6 12.6 41.4

Planted 6/23/2009 at 9 seeds/ft; harvested 11/12/2009; 15 ft. by 2-row plot; pesticides: One application of 1.25 pt glyphosate postemergence.

Table 8. Pittsburg, Cherokee County No-Till Double-Cropped Soybean Performance Test, Maturity Groups III-IV, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
DYNA-GRO	36C44	42.3	48.5	--	45.4	--	106	120	--	--	1.3	29
DYNA-GRO	37A44	36.7	38.9	43.3	37.8	39.6	92	96	102	--	1.5	35
PIONEER	94Y70	42.2	--	--	--	--	106	--	--	--	1.0	32
RENZE	R4230SRcn	40.4	--	--	--	--	101	--	--	--	1.3	29
RENZE	R4530SRcn	37.3	--	--	--	--	93	--	--	--	1.0	32
RENZE	R4730SRcn	40.3	--	--	--	--	101	--	--	--	1.0	30
	AVERAGES	39.9	40.4	42.3								
	CV (%)	10.4	10.1	5.3								
	LSD (0.10)	4.8	4.9	2.7								

Values in bold are in the upper LSD group.

Dale Roberds Farm, Pittsburg, Cherokee County; Bill Schapaugh, agronomist, 785-532-7242

Parsons silt loam, pH 7.0, % OM na; P test: VH, K test: VH Double-cropped following wheat and planted into heavy residue. Fair stands obtained. Rainfall above normal, temperatures below normal. 0-0-0 lb N-P-K fertilizer Weed control was good. Cool temperatures and freezes in late October adversely effected mid-goup V and later entries which had only partially completed seed-fill.

Rainfall: April May June July Aug. Sept. Total
 4.9 6.2 4.7 7.4 5.6 12.6 41.4

Planted 6/23/2009 at 8 seeds/ft; harvested 11/12/2009; 15 ft. by 2-row plot; pesticides: One application of 1.25 pt glyphosate postemergence.

Table 9. Pittsburg, Cherokee County No-Till Double-Cropped Soybean Performance Test, Maturity Groups IV-V, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
DYNA-GRO	33B52	24.6	--	--	--	--	73	--	--	--	1.5	35
DYNA-GRO	33C59	19.4	--	--	--	--	57	--	--	--	1.0	34
DYNA-GRO	33X55	23.5	--	--	--	--	69	--	--	--	1.3	39
DYNA-GRO	36Y48	41.6	41.6	--	41.6	--	123	100	--	--	1.0	34
KANSAS AES	K04-3083RR	41.6	--	--	--	--	123	--	--	--	1.5	39
KANSAS AES	KS5507NRR	29.6	46.3	45.5	38.0	40.5	87	111	105	--	2.0	38
MIDLAND	4839NRS	43.9	--	--	--	--	130	--	--	--	1.0	34
MIDLAND	5197NRS	35.5	--	--	--	--	105	--	--	--	1.5	38
PIONEER	94Y80	36.1	--	--	--	--	106	--	--	--	1.0	32
PIONEER	95Y01	35.3	--	--	--	--	104	--	--	--	1.0	31
PIONEER	95Y40	38.9	47.0	--	43.0	--	115	113	--	--	1.3	34
WILLCROSS	RR2490NSTS	30.2	--	--	--	--	89	--	--	--	1.0	31
WILLCROSS	RR2498NSTS	43.1	--	--	--	--	127	--	--	--	1.3	34
WILLCROSS	RR2507NSTS	37.6	--	--	--	--	111	--	--	--	1.3	34
WILLCROSS	RR2544NSTS	33.4	--	--	--	--	99	--	--	--	1.0	32
WILLCROSS	RR2878NSTS	28.3	--	--	--	--	83	--	--	--	1.0	33
	AVERAGES	33.9	41.6	43.5								
	CV (%)	13.8	6.7	5.5								
	LSD (0.10)	5.4	3.3	2.8								

Values in bold are in the upper LSD group.

Vernon Egbert Farm, McCune, Crawford County; Bill Schapaugh, agronomist, 785-532-7242

Cherokee silt loam, pH 6.0, % OM na; P test: VH, K test: M Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good.

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

Rainfall: April May June July Aug. Sept. Total
 7.4 5.3 4.3 5.6 6.4 10.2 39.2

Planted 6/23/2009 at 9 seeds/ft; harvested 12/3/2009; 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, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	4551R	53.4	--	43.4	--	--	97	--	107	10/15	2.8	38
CHANNEL	XPR46-09	57.9	--	--	--	--	105	--	--	10/13	1.5	36
DYNA-GRO	32C38	51.5	--	40.2	--	--	93	--	99	10/9	1.5	32
DYNA-GRO	33A40	51.9	32.4	42.4	42.2	42.2	94	86	105	10/10	2.0	33
DYNA-GRO	35G38	57.1	--	40.8	--	--	103	--	101	10/10	1.0	32
DYNA-GRO	37P37	51.4	--	--	--	--	93	--	--	10/8	1.3	31
DYNA-GRO	38C42	54.1	--	--	--	--	98	--	--	10/11	1.5	31
FONTANELLE	460 NRRSTS	54.9	--	--	--	--	99	--	--	10/16	1.3	36
FONTANELLE	478 NRR STS	59.8	37.4	--	48.6	--	108	99	--	10/16	1.0	38
FONTANELLE	EXP 84N	57.7	--	--	--	--	105	--	--	10/13	2.3	34
KANSAS AES	KS3406RR	48.5	--	36.3	--	--	88	--	90	10/7	2.0	29
MIDLAND	4270NR2	56.8	--	--	--	--	103	--	--	10/11	1.5	33
MIDLAND	4580R2	59.5	--	--	--	--	108	--	--	10/13	1.5	33
MIDLAND	4768NRR	58.1	41.4	--	49.8	--	105	110	--	10/16	1.5	38
MIDLAND	4770NRR	54.4	--	--	--	--	99	--	--	10/16	3.0	37
PIONEER	94Y70	54.2	--	--	--	--	98	--	--	10/15	1.8	39
RENZE	R4230SRcn	54.6	--	--	--	--	99	--	--	10/15	1.5	31

Table 10 continued. McCune, Crawford County Dryland Soybean Performance Test, Maturity Groups III-IV, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
RENZE	R4530SRcn	54.0	--	--	--	--	98	--	--	10/12	1.3	35
RENZE	R4730SRcn	56.7	--	--	--	--	103	--	--	10/18	1.0	32
TAYLOR	Exp 461-2R	58.2	--	--	--	--	105	--	--	10/13	1.8	26
	AVERAGES	55.2	37.6	40.5								
	CV (%)	2.7	5.7	4.9								
	LSD (0.10)	1.8	2.5	2.4								

Values in bold are in the upper LSD group.

Vernon Egbert Farm, McCune, Crawford County; Bill Schapaugh, agronomist, 785-532-7242

Cherokee silt loam, pH 6.0, % OM na; P test: VH, K test: M
0-0-0 lb N-P-K fertilizer

Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good. Cool temperatures and freezes in late October adversely effected mid-goup V and later entries, which had only partially completed seed fill.

April May June July Aug. Sept. Total

Rainfall: 7.4 5.3 4.3 5.6 6.4 10.2 39.2

Planted 6/23/2009 at 8 seeds/ft; harvested 12/3/2009; 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, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	5051R	48.4	--	--	--	--	104	--	--	10/18	2.5	39
CHANNEL	5351R	44.0	37.8	--	40.9	--	94	99	--	10/22	2.0	39
KANSAS AES	KS5507NRR	35.6	35.4	37.5	35.5	36.2	76	93	94	10/23	3.0	39
MIDLAND	4839NRS	49.6	--	--	--	--	106	--	--	10/17	2.8	39
MIDLAND	5197NRS	38.3	40.8	--	39.6	--	82	107	--	10/23	3.0	42
PIONEER	94Y80	51.7	--	--	--	--	111	--	--	10/17	2.5	39
PIONEER	95Y01	51.1	--	--	--	--	109	--	--	10/20	2.5	37
PIONEER	95Y40	41.8	42.1	--	42.0	--	90	110	--	10/23	3.0	38
PROGENY	4807RR	53.8	--	--	--	--	115	--	--	10/19	1.0	38
PROGENY	4906RR	52.1	--	--	--	--	112	--	--	10/17	1.3	36
PROGENY	4949RR	49.6	--	--	--	--	106	--	--	10/16	2.3	39
PROGENY	5115RR	48.6	--	--	--	--	104	--	--	10/20	1.8	40
PROGENY	5218RR	35.2	--	--	--	--	75	--	--	10/23	4.5	43
TAYLOR	495RRS	53.5	42.1	--	47.8	--	115	110	--	10/18	1.0	37
	AVERAGES	46.7	38.2	40.1								
	CV (%)	5.8	9.2	3.7								
	LSD (0.10)	3.1	4.1	1.7								

Values in bold are in the upper LSD group.

Joe Harris Farm, Erie, Neosho County; James Long, agronomist, 620-421-4826

Lanton silt loam, pH na, % OM na; P test: H, K test: H
0-0-0 lb N-P-K fertilizer

Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good.

April May June July Aug. Sept. Total

Rainfall: 8.4 4.8 9.5 5.0 6.9 11.8 46.4

Planted 6/4/2009 at 9 seeds/ft; harvested 11/5/2009; 11 ft. by 2-row plot; pesticides: 1.33 Pint Dual II Magnum, 3 oz Canopy XL preemergence.

Table 12. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups III-IV, 2008-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008		2-Yr. AVG.	3-Yr. AVG.	2009	2008		Mat	Lodge score	Ht (in)
CHANNEL	4551R	50.0	--	--	--	--	89	--	--	10/14	2.3	40
CHANNEL	XPR46-09	63.6	--	--	--	--	113	--	--	10/17	3.0	38
KANSAS AES	KS3406RR	40.9	--	--	--	--	72	--	--	9/30	2.5	31
MIDLAND	4270NR2	58.1	--	--	--	--	103	--	--	10/12	1.3	35
MIDLAND	4329NRR	55.6	56.1	--	55.9	--	98	109	--	10/16	1.3	35
MIDLAND	4580R2	64.2	--	--	--	--	114	--	--	10/12	1.5	36
MIDLAND	4768NRR	58.9	53.8	--	56.4	--	104	104	--	10/18	1.5	39
MIDLAND	4770NRR	57.1	--	--	--	--	101	--	--	10/17	3.0	39

Table 12 continued. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups III-IV, -2009

BRAND	NAME	ACRE YIELD, BUSHEL				YIELD AS % OF TEST AVERAGE		2009			
		2009	2008	2-Yr. AVG.	3-Yr. AVG.	2009	2008	Mat	Lodge score	Ht (in)	
RENZE	R4230SRcn	56.3	--	--	--	100	--	--	10/12	1.0	32
RENZE	R4530SRcn	55.3	--	--	--	98	--	--	10/13	1.5	37
RENZE	R4730SRcn	56.8	--	--	--	101	--	--	10/20	1.0	32
TAYLOR	Exp 461-2R	61.1	--	--	--	108	--	--	10/15	2.3	36
	AVERAGES	56.5	51.5	--	--						
	CV (%)	8.3	8.3	--	--						
	LSD (0.10)	5.0	5.0	--	--						

Values in bold are in the upper LSD group.

Joe Harris Farm, Erie, Neosho County; James Long, agronomist, 620-421-4826

Lanton silt loam, pH na, % OM na; P test: H, K test: H

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

April May June July Aug. Sept. Total

Rainfall: 8.4 4.8 9.5 5.0 6.9 11.8 46.4

Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good. Cool temperatures and freezes in late October adversely effected mid-goup V and later entries which had only partially completed seed fill.

Planted 6/4/2009 at 8 seeds/ft; harvested 11/5/2009; 11 ft. by 2-row plot; pesticides: 1.33 Pint Dual II Magnum, 3 oz Canopy XL preemergence.

Table 13. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups IV-V, 2008-2009

BRAND	NAME	ACRE YIELD, BUSHEL				YIELD AS % OF TEST AVERAGE		2009			
		2009	2008	2-Yr. AVG.	3-Yr. AVG.	2009	2008	Mat	Lodge score	Ht (in)	
CHANNEL	5051R	47.5	--	--	--	96	--	--	10/21	3.3	42
CHANNEL	5351R	47.7	50.1	--	48.9	97	115	--	10/27	4.5	41
KANSAS AES	KS5507NRR	43.5	32.0	--	37.8	88	73	--	10/31	3.0	31
MIDLAND	4839NRS	53.1	--	--	--	108	--	--	10/21	3.0	43
PROGENY	4807RR	57.6	--	--	--	117	--	--	10/21	2.5	38
PROGENY	4906RR	51.8	--	--	--	105	--	--	10/21	3.3	41
PROGENY	4949RR	48.2	--	--	--	98	--	--	10/19	3.3	40
PROGENY	5115RR	46.0	--	--	--	93	--	--	10/23	3.8	45
PROGENY	5218RR	48.5	--	--	--	98	--	--	10/30	4.5	38
	AVERAGES	49.3	43.6	--	--						
	CV (%)	7.3	8.0	--	--						
	LSD (0.10)	4.2	4.1	--	--						

Values in bold are in the upper LSD group.

North Central Experiment Field, Scandia, Republic County; Barney Gordon, agronomist, 785-335-2836

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

Very dry winter and spring. Above-normal rainfall in summer. Cooler than normal throughout the growing season.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.8	0.6	4.5	5.1	3.1	1.9	16.9
Irrigation:					3.0	3.0	6

Planted 5/18/2009 at 12 seeds/ft; harvested 10/21/2009; 25 ft. by 2-row plot; pesticides: 1.5 pt Dual, .25 lb/a Scncon., 1 qt/a Roundup Ultra at planting.

Table 14. Scandia, Republic County Irrigated Soybean Performance Test, 2006-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2007	2006	2-Yr. AVG.	3-Yr. AVG.	2009	2007	2006	Mat	Lodge score	Ht (in)
DYNA-GRO	32C38	76.7	67.8	67.8	72.3	70.8	98	98	98	10/1	1.7	40
DYNA-GRO	32X39	78.8	--	--	--	--	100	--	--	10/1	1.0	42
DYNA-GRO	35G38	77.9	68.3	68.3	73.1	71.5	99	99	99	10/2	1.7	40
DYNA-GRO	37P37	78.7	--	--	--	--	100	--	--	10/3	1.3	43
DYNA-GRO	38R33	76.9	--	--	--	--	98	--	--	10/5	1.3	41
DYNA-GRO	39RY34	75.8	--	--	--	--	97	--	--	10/5	1.0	42
FONTANELLE	78N18	77.3	--	--	--	--	98	--	--	10/4	1.0	44
FONTANELLE	80N29	75.7	--	--	--	--	96	--	--	10/4	1.0	43
FONTANELLE	9789 NRR	78.5	--	--	--	--	100	--	--	10/5	1.0	43
G2 GENETICS	7333	76.8	--	--	--	--	98	--	--	10/2	1.0	43
G2 GENETICS	7373	76.6	--	--	--	--	98	--	--	10/3	1.0	42
G2 GENETICS	7383	78.0	--	--	--	--	99	--	--	10/4	1.0	46
G2 GENETICS	7392	75.3	--	--	--	--	96	--	--	10/5	1.0	47
KANSAS AES	K04-2203RR	81.7	--	--	--	--	104	--	--	10/5	1.0	41
KANSAS AES	K04-3234RR	79.9	--	--	--	--	102	--	--	10/3	1.0	47
KANSAS AES	K05-2270RR	73.2	--	--	--	--	93	--	--	10/6	1.0	39
KANSAS AES	K05-2730RR	83.6	--	--	--	--	107	--	--	10/5	1.0	39
KANSAS AES	K05-4184RR	83.8	--	--	--	--	107	--	--	10/5	1.0	42
KANSAS AES	KS3406RR	77.6	74.5	74.5	76.1	75.5	99	108	108	10/2	2.0	38
KRUGER	K2-3401	78.6	--	--	--	--	100	--	--	10/1	1.0	42
KRUGER	K2-3601	74.9	--	--	--	--	95	--	--	10/3	1.0	45
KRUGER	K2-3801	78.4	--	--	--	--	100	--	--	10/4	1.0	42
KRUGER	K2-3901	76.8	--	--	--	--	98	--	--	10/4	1.0	46
KRUGER	K2X41A9	76.7	--	--	--	--	98	--	--	10/6	1.0	44
KRUGER	K-348RR/SCN	76.2	--	--	--	--	97	--	--	10/2	1.0	41
KRUGER	K-375RR/SCN	78.9	--	--	--	--	101	--	--	10/3	1.0	39
KRUGER	K-384RR/SCN	74.3	--	--	--	--	95	--	--	10/4	1.0	44
KRUGER	K-410RR/SCN	76.2	67.3	67.3	71.8	70.3	97	97	97	10/6	1.0	43
NK	S33-K5	84.8	--	--	--	--	108	--	--	10/1	1.0	42
NK	S36-B6	86.5	--	--	--	--	110	--	--	10/3	1.0	41
NK	S37-P5	80.4	--	--	--	--	102	--	--	10/3	1.0	41
NK	S39-A3	88.2	--	--	--	--	112	--	--	10/5	1.0	41
NUTECH	7349	77.1	--	--	--	--	98	--	--	10/2	1.0	43
NUTECH	7386	76.0	--	--	--	--	97	--	--	10/4	1.0	39
NUTECH	7399	75.2	--	--	--	--	96	--	--	10/4	1.0	44
NUTECH	7416S	79.9	--	--	--	--	102	--	--	10/5	1.0	40
OHLDE	Exp 322R	85.3	--	--	--	--	109	--	--	10/1	1.0	40
OHLDE	Exp 332R	80.1	--	--	--	--	102	--	--	10/2	1.0	40
OHLDE	Exp 362R	78.1	--	--	--	--	99	--	--	10/4	1.0	43
OHLDE	Exp 392R	82.2	--	--	--	--	105	--	--	10/5	1.0	41
OHLDE	O-3632	78.5	--	--	--	--	100	--	--	10/3	1.0	43
PHILLIPS	325NRR	77.6	--	--	--	--	99	--	--	10/1	1.0	43
PHILLIPS	360NRY	78.4	--	--	--	--	100	--	--	10/3	1.0	46
PHILLIPS	380RY	76.9	--	--	--	--	98	--	--	10/5	1.0	46
PHILLIPS	385NRS	77.1	--	--	--	--	98	--	--	10/5	1.0	41
PHILLIPS	399NRS	80.3	--	--	--	--	102	--	--	10/5	1.7	41
PHILLIPS	417 NRSE	82.1	--	--	--	--	105	--	--	10/6	1.0	40
PHILLIPS	420NRY	76.0	--	--	--	--	97	--	--	10/5	1.0	47
PHILLIPS	429NRS	79.9	--	--	--	--	102	--	--	10/6	1.7	41
PHILLIPS	439NRS	77.6	--	--	--	--	99	--	--	10/6	1.0	44
RENZE	R3797RRcn	76.3	69.7	69.7	73.0	71.9	97	101	101	10/4	1.7	41

Table 14 continued. Scandia, Republic County Irrigated Soybean Performance Test, 2006-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2007	2006	2-Yr. AVG.	3-Yr. AVG.	2009	2007	2006	Mat	Lodge score	Ht (in)
RENZE	R4038SRcn	75.6	--	--	--	--	96	--	--	10/5	1.3	39
RENZE	R4230SRcn	76.4	--	--	--	--	97	--	--	10/6	1.0	38
SYLVESTER	3249NRR	78.0	--	--	--	--	99	--	--	10/1	2.3	44
SYLVESTER	3439NRR	81.9	--	--	--	--	104	--	--	10/1	1.7	39
SYLVESTER	3610NRR	81.3	--	--	--	--	104	--	--	10/3	1.0	42
SYLVESTER	3630R2	79.3	--	--	--	--	101	--	--	10/3	2.0	42
SYLVESTER	3740NR2	73.0	--	--	--	--	93	--	--	10/4	1.0	46
SYLVESTER	3850NR2	79.0	--	--	--	--	101	--	--	10/5	1.0	43
SYLVESTER	3920NRS	80.1	--	--	--	--	102	--	--	10/5	1.0	40
SYLVESTER	3960NR2	75.7	--	--	--	--	96	--	--	10/5	1.0	37
SYLVESTER	9A385NRS	76.7	--	--	--	--	98	--	--	10/5	1.0	40
TAYLOR	Exp 381-2R	80.5	--	--	--	--	103	--	--	10/5	1.0	44
TAYLOR	Exp 391-2R	76.6	--	--	--	--	98	--	--	10/5	1.0	40
	AVERAGES	78.5	69.3	69.3								
	CV (%)	3.7	3.6	3.6								
	LSD (0.10)	4.0	3.3	3.3								

Values in bold are in the upper LSD group.

North Central Kansas Experiment Field, Belleville, Republic County; Barney Gordon, agronomist, 785-335-2836

Crete silt loam, pH 7.0, 2.2% OM; P test: H, K test: VH
0-0-0 lb N-P-K fertilizer

Very dry winter and early spring gave way to above-normal rainfall throughout the summer season. Wet fall conditions delayed harvest.

April May June July Aug. Sept. Total

Rainfall: 2.3 1.2 5.8 4.0 3.9 2.3 19.6

Planted 5/19/2009 at 10 seeds/ft; harvested 10/19/2009; 22 ft. by 2-row plot; pesticides: 1.5 pt Dual, .25 lb/a Scncon., 1 qt/a Roundup Ultra at planting.

Table 15. Belleville, Republic County Dryland Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
DYNA-GRO	32C38	61.9	--	--	--	--	104	--	--	10/1	1.0	35
DYNA-GRO	32X39	55.1	53.5	--	54.3	--	92	92	--	10/1	1.0	38
DYNA-GRO	35G38	65.5	--	52.3	--	--	110	--	105	10/2	1.0	36
DYNA-GRO	37P37	56.4	--	--	--	--	94	--	--	10/3	1.0	40
DYNA-GRO	38R33	60.1	53.4	--	56.8	--	101	92	--	10/2	1.0	37
DYNA-GRO	39RY34	52.3	--	--	--	--	87	--	--	10/5	1.0	37
KANSAS AES	KS3406RR	67.9	57.4	49.8	62.7	58.4	114	99	100	10/1	1.0	31
KRUGER	K2-3401	59.8	--	--	--	--	100	--	--	10/2	1.0	36
KRUGER	K2-3601	58.4	--	--	--	--	98	--	--	10/3	1.0	37
KRUGER	K2-3801	56.5	--	--	--	--	94	--	--	10/4	1.0	35
KRUGER	K2-3901	57.2	--	--	--	--	96	--	--	10/5	1.0	41
KRUGER	K2X41A9	60.9	--	--	--	--	102	--	--	10/5	1.0	37
KRUGER	K-375RR/SCN	62.8	--	--	--	--	105	--	--	10/4	1.0	35
NK	S33-K5	69.4	--	--	--	--	116	--	--	10/1	1.0	40
NK	S36-B6	67.6	68.8	51.6	68.2	62.7	113	119	104	10/2	1.0	37
NK	S37-P5	67.4	70.5	52.5	69.0	63.5	113	122	106	10/2	1.0	35
NK	S39-A3	69.2	59.0	51.0	64.1	59.7	116	102	103	10/5	1.0	31
NUTECH	3909SRN	57.2	--	47.9	--	--	96	--	97	10/4	1.0	39
NUTECH	7349	55.4	--	--	--	--	93	--	--	10/2	1.0	38
NUTECH	7369S	54.9	--	--	--	--	92	--	--	10/2	1.0	37
NUTECH	7379	58.8	--	--	--	--	98	--	--	10/3	1.0	34
NUTECH	7386	59.3	--	--	--	--	99	--	--	10/4	1.0	36
OHLDE	Exp 332R	70.2	--	--	--	--	117	--	--	10/2	1.0	40
OHLDE	Exp 372R	57.8	--	--	--	--	97	--	--	10/4	1.0	41
OHLDE	O-3632	62.1	--	--	--	--	104	--	--	10/4	1.0	40
OHLDE	O-3732	59.0	62.6	--	60.8	--	99	108	--	10/3	1.0	41
PHILLIPS	325NRR	54.3	--	--	--	--	91	--	--	10/1	1.0	39
PHILLIPS	360NRY	60.5	--	--	--	--	101	--	--	10/3	1.0	41
PHILLIPS	380RY	54.0	--	--	--	--	90	--	--	10/4	1.0	39

Table 15 continued. Belleville, Republic County Dryland Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
PHILLIPS	385NRS	60.0	--	--	--	--	100	--	--	10/4	1.0	32
PHILLIPS	399NRS	69.0	--	--	--	--	115	--	--	10/5	1.0	35
PHILLIPS	417 NRSE	50.8	--	--	--	--	85	--	--	10/6	1.0	35
PHILLIPS	420NRY	49.4	--	--	--	--	83	--	--	10/6	1.0	44
PHILLIPS	429NRS	58.4	--	--	--	--	98	--	--	10/6	1.0	33
PHILLIPS	439NRS	58.8	--	--	--	--	98	--	--	10/4	1.0	47
RENZE	R3797RRcn	61.2	--	--	--	--	102	--	--	10/4	1.0	39
RENZE	R4038SRcn	59.7	--	47.8	--	--	100	--	96	10/6	1.0	35
RENZE	R4230SRcn	63.2	--	--	--	--	106	--	--	10/5	1.0	35
SYLVESTER	3249NRR	54.2	58.0	--	56.1	--	91	100	--	9/30	1.0	35
SYLVESTER	3439NRR	62.9	56.5	--	59.7	--	105	98	--	10/2	1.0	32
SYLVESTER	3610NRR	63.6	--	--	--	--	106	--	--	10/3	1.0	36
SYLVESTER	3630R2	55.2	--	--	--	--	92	--	--	10/3	1.0	38
SYLVESTER	3738NRR	56.1	57.7	--	56.9	--	94	100	--	10/4	1.0	38
SYLVESTER	3740NR2	58.7	--	--	--	--	98	--	--	10/3	1.0	36
SYLVESTER	3850NR2	56.9	--	--	--	--	95	--	--	10/3	1.0	39
SYLVESTER	3920NRS	61.5	--	--	--	--	103	--	--	10/4	1.0	37
SYLVESTER	3960NR2	57.7	--	--	--	--	96	--	--	10/5	1.0	32
SYLVESTER	4157NRS	64.1	57.3	--	60.7	--	107	99	--	10/6	1.0	35
SYLVESTER	4270NR2	59.6	--	--	--	--	100	--	--	10/5	1.0	37
SYLVESTER	9A385NRS	55.8	--	--	--	--	93	--	--	10/4	1.0	37
TAYLOR	Exp 371-2R	59.8	--	--	--	--	100	--	--	10/3	1.0	43
TAYLOR	Exp 381-2R	59.5	--	--	--	--	100	--	--	10/4	1.0	35
	AVERAGES	59.8	57.9	49.6								
	CV (%)	8.8	5.0	4.1								
	LSD (0.10)	7.2	3.9	2.7								

Values in bold are in the upper LSD group.

Harvey County Experiment Field, Hesston, Harvey County; Mark Claassen, agronomist, 620-327-2547

Ladysmith silty clay loam, pH 6.3, 2.4% OM na; P test: , K test:-- Seeds planted into moist seedbed. Emerged in 5 days. Stands were good. Favorable rainfall. Below-normal temperatures. Drought stress was minimal.

0-0-0 lb N-P-K fertilizer
April May June July Aug. Sept. Total
 Rainfall: 5.8 3.1 5.3 5.3 2.0 4.3 25.8

Planted 6/25/2009 at 8 seeds/ft; harvested 11/4/2009; 30 ft. by 2-row plot; pesticides: Preplant: 1 qt/a Cornerstone Plus, 1% AMSU broadcast 6/23/2009 Postemergence: 22 oz/a Roundup WeatherMax, 1% AMSU 7/23/2009.

Table 16. Hesston, Harvey County Dryland Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	3800R2	59.1	--	--	--	--	107	--	--	10/20	1.1	30
CHANNEL	3852R	52.3	--	--	--	--	94	--	--	10/20	1.0	26
CHANNEL	4000R2	56.1	--	--	--	--	101	--	--	10/20	1.4	30
DYNA-GRO	32C38	59.2	62.8	34.5	61.0	52.2	107	102	107	10/20	1.0	30
DYNA-GRO	32X39	53.7	58.0	35.4	55.9	49.0	97	94	110	10/20	1.0	30
DYNA-GRO	35G38	57.0	65.2	23.9	61.1	48.7	103	106	74	10/20	1.0	29
DYNA-GRO	37P37	54.2	--	--	--	--	98	--	--	10/21	1.0	30
DYNA-GRO	38C42	53.8	62.4	30.4	58.1	48.9	97	101	94	10/22	1.0	28
G2 GENETICS	7383	54.2	--	--	--	--	98	--	--	10/20	1.0	34
G2 GENETICS	7391	39.6	--	--	--	--	71	--	--	9/29	3.0	24
G2 GENETICS	7392	55.1	--	--	--	--	99	--	--	10/20	1.0	32
G2 GENETICS	7401	56.6	--	--	--	--	102	--	--	10/23	1.0	30
G2 GENETICS	7419	54.6	--	--	--	--	99	--	--	10/21	1.3	30
G2 GENETICS	7479	50.7	--	--	--	--	92	--	--	10/23	1.5	35
KANSAS AES	KS3406RR	55.0	57.2	40.8	56.1	51.0	99	93	126	10/17	1.0	28
MIDLAND	3738NRR	55.4	64.7	41.1	60.1	53.7	100	105	127	10/20	1.0	33
MIDLAND	3740NR2	58.1	--	--	--	--	105	--	--	10/17	1.0	32
MIDLAND	3850NR2	60.9	--	--	--	--	110	--	--	10/20	1.0	29
MIDLAND	3960NR2	54.1	--	--	--	--	98	--	--	10/19	1.0	27

Table 16 continued. Hesston, Harvey County Dryland Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
MIDLAND	4270NR2	58.2	--	--	--	--	105	--	--	10/23	1.0	28
MIDLAND	4289NRS	54.9	65.2	--	60.1	--	99	106	--	10/23	1.0	28
MIDLAND	4329NRR	50.7	63.3	--	57.0	--	92	102	--	10/23	1.0	28
MIDLAND	4419NRS	50.9	61.7	--	56.3	--	92	100	--	10/22	1.0	27
MIDLAND	4506NRR	58.0	60.4	24.6	59.2	47.7	105	98	76	10/22	1.1	34
MIDLAND	4549NRS	54.3	60.2	--	57.3	--	98	97	--	10/22	1.0	29
MIDLAND	4580R2	57.9	--	--	--	--	105	--	--	10/23	1.0	27
MIDLAND	4850NRS	54.4	--	--	--	--	98	--	--	10/27	1.0	27
MIDLAND	9A385NRS	59.5	64.8	30.6	62.2	51.6	107	105	95	10/21	1.3	28
NUTECH	3909SRN	56.6	59.8	--	58.2	--	102	97	--	10/20	1.0	27
NUTECH	7386	57.5	65.7	--	61.6	--	104	106	--	10/20	1.0	27
NUTECH	7416S	58.3	--	--	--	--	105	--	--	10/22	1.0	29
NUTECH	7417	56.0	--	--	--	--	101	--	--	10/20	1.0	28
NUTECH	7417	54.3	--	--	--	--	98	--	--	10/23	1.0	27
NUTECH	7443	58.7	59.0	--	58.9	--	106	95	--	10/23	1.3	37
NUTECH	7475	53.6	62.3	--	58.0	--	97	101	--	10/28	1.0	28
OHLDE	Exp 392R	61.5	--	--	--	--	111	--	--	10/20	1.3	30
OHLDE	Exp 421RS	54.7	--	--	--	--	99	--	--	10/24	1.0	26
OHLDE	O-3732	57.1	60.6	--	58.9	--	103	98	--	10/20	1.0	32
OHLDE	O-4595	57.9	--	26.4	--	--	105	--	82	10/22	1.0	34
PHILLIPS	385NRS	56.7	64.5	22.8	60.6	48.0	102	104	71	10/22	1.1	28
PHILLIPS	399NRS	58.3	--	--	--	--	105	--	--	10/20	1.0	27
PHILLIPS	417 NRSE	54.4	66.8	31.1	60.6	50.8	98	108	96	10/23	1.0	30
PHILLIPS	429NRS	53.9	--	--	--	--	97	--	--	10/24	1.0	27
PHILLIPS	439NRS	50.4	52.0	--	51.2	--	91	84	--	10/22	1.1	30
PHILLIPS	486NRS	53.4	--	--	--	--	96	--	--	10/27	1.1	32
	AVERAGES	55.4	61.8	32.3								
	CV (%)	6.0	6.3	11.9								
	LSD (0.10)	3.9	4.5	4.5								

Values in bold are in the upper LSD group.

Richard Seck Farm, Hutchinson, Reno County; Bill Heer, agronomist, 620-662-9021

Punkin-Taver complex, pH na, % OM na; P test: , K test: --

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

April May June July Aug. Sept. Total

Rainfall: 4.8 3.2 3.9 2.1 3.2 8.2 25.4

Irrigation: na

Planted 5/29/2009 at 8 seeds/ft; harvested 11/23/2009; 30 ft. by 2-row plot; pesticides: na

Table 17. Hutchinson, Reno County Irrigated Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
CHANNEL	3800R2	73.4	--	--	--	--	100	--	--	10/3	1.0	--
CHANNEL	3852R	78.5	68.4	--	73.5	--	107	108	--	10/3	1.0	--
CHANNEL	3951R	74.7	62.3	58.6	68.5	65.2	102	98	107	10/2	1.0	--
CHANNEL	4000R2	78.9	--	--	--	--	108	--	--	10/3	1.0	--
DYNA-GRO	32X39	70.8	61.8	52.5	66.3	61.7	97	97	96	10/3	1.0	--
DYNA-GRO	35G38	70.7	--	51.2	--	--	97	--	94	10/3	1.0	--
DYNA-GRO	37A44	73.3	63.6	54.4	68.5	63.8	100	100	100	10/7	1.0	--
DYNA-GRO	37P37	69.9	--	--	--	--	95	--	--	9/27	1.0	--
DYNA-GRO	38C42	73.4	62.4	59.2	67.9	65.0	100	98	108	10/10	1.0	--
FONTANELLE	460 NRRSTS	66.7	--	--	--	--	91	--	--	10/12	1.0	--
FONTANELLE	78N18	76.7	--	--	--	--	105	--	--	10/2	1.0	--
FONTANELLE	80N29	75.1	--	--	--	--	103	--	--	10/8	1.0	--
FONTANELLE	9680 NRR	68.7	64.0	57.3	66.4	63.3	94	101	105	10/1	1.0	--
FONTANELLE	EXP 84N	69.7	--	--	--	--	95	--	--	10/9	1.0	--
G2 GENETICS	7373	69.7	--	--	--	--	95	--	--	9/25	1.0	--
G2 GENETICS	7383	72.9	--	--	--	--	100	--	--	9/30	1.0	--

Table 17 continued. Hutchinson, Reno County Irrigated Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
G2 GENETICS	7392	72.9	--	--	--	--	100	--	--	9/30	1.0	--
G2 GENETICS	7401	75.5	--	--	--	--	103	--	--	10/3	1.0	--
G2 GENETICS	7439S	73.4	--	--	--	--	100	--	--	10/8	1.0	--
KANSAS AES	KS3406RR	70.6	59.8	51.4	65.2	60.6	96	94	94	9/25	1.0	--
MIDLAND	3738NRR	77.2	54.8	53.6	66.0	61.9	105	86	98	10/1	1.0	--
MIDLAND	3740NR2	73.6	--	--	--	--	101	--	--	9/28	1.0	--
MIDLAND	3850NR2	80.5	--	--	--	--	110	--	--	10/4	1.0	--
MIDLAND	3960NR2	75.1	--	--	--	--	103	--	--	10/2	1.0	--
MIDLAND	4270NR2	78.7	--	--	--	--	108	--	--	10/8	1.0	--
MIDLAND	4289NRS	76.3	67.2	--	71.8	--	104	106	--	10/8	1.0	--
MIDLAND	4329NRR	71.5	63.4	--	67.5	--	98	100	--	10/10	1.0	--
MIDLAND	4419NRS	65.5	65.6	--	65.6	--	89	103	--	9/29	1.0	--
MIDLAND	4506NRR	72.4	63.5	56.1	68.0	64.0	99	100	103	10/9	1.0	--
MIDLAND	4549NRS	70.5	60.7	--	65.6	--	96	96	--	10/10	1.0	--
MIDLAND	4580R2	73.5	--	--	--	--	100	--	--	10/11	1.0	--
MIDLAND	4850NRS	75.3	--	--	--	--	103	--	--	10/10	1.0	--
MIDLAND	9A385NRS	74.6	62.6	61.1	68.6	66.1	102	99	112	10/4	1.0	--
NUTECH	3909SRN	80.9	58.9	--	69.9	--	111	93	--	10/3	1.0	--
NUTECH	7386	74.7	72.1	--	73.4	--	102	114	--	10/5	1.0	--
NUTECH	7399	67.2	--	--	--	--	92	--	--	10/7	1.0	--
NUTECH	7416S	71.4	--	--	--	--	98	--	--	10/6	1.0	--
NUTECH	7417	71.3	67.1	--	69.2	--	97	106	--	9/30	1.0	--
NUTECH	7417	67.8	--	--	--	--	93	--	--	10/5	1.0	--
NUTECH	7475	73.3	--	--	--	--	100	--	--	10/10	1.0	--
OHLDE	Exp 392R	82.0	--	--	--	--	112	--	--	10/4	1.0	--
OHLDE	Exp 421RS	73.1	--	--	--	--	100	--	--	10/8	1.0	--
OHLDE	O-3632	68.7	--	--	--	--	94	--	--	9/30	1.0	--
OHLDE	O-3727	77.3	69.0	60.1	73.2	68.8	106	109	110	9/29	1.0	--
OHLDE	O-4232	73.4	67.6	--	70.5	--	100	107	--	10/12	1.0	--
OHLDE	O-4595	68.9	66.7	56.4	67.8	64.0	94	105	103	10/9	1.0	--
PHILLIPS	3600R2Y	70.0	--	--	--	--	96	--	--	9/28	1.0	--
PHILLIPS	385NRS	80.5	65.4	58.2	73.0	68.0	110	103	107	10/5	1.0	--
PHILLIPS	399NRS	73.0	--	--	--	--	100	--	--	9/30	1.0	--
PHILLIPS	417 NRSE	74.0	63.6	54.5	68.8	64.0	101	100	100	10/10	1.0	--
PHILLIPS	429NRS	70.5	--	--	--	--	96	--	--	10/8	1.0	--
PHILLIPS	439NRS	71.0	64.4	--	67.7	--	97	102	--	10/10	1.0	--
PHILLIPS	486NRS	70.3	70.5	--	70.4	--	96	111	--	10/11	1.0	--
	AVERAGES	73.2	63.4	54.6								
	CV (%)	8.3	6.5	11.5								
	LSD (0.10)	7.1	4.8	7.3								

Values in bold are in the upper LSD group.

Northwest Research-Extension Center, Colby, Thomas County; Pat Evans, agronomist, 785-462-6281

Keith silt loam, pH 7.8, 1.3% OM na; P test: , K test: --
0-0-0 lb N-P-K fertilizer

Hail on June 11 stripped some leaves. Otherwise, very good growing conditions existed throughout the summer with above-average rainfall and below-average temperatures.

April May June July Aug. Sept. Total

Rainfall: 3.4 5.5 3.7 3.8 3.3 1.5 21.2

Irrigation: 5.0 3.9 1.0 9.9

Planted 5/15/2009 at 9 seeds/ft; harvested 10/7/2009; 20 ft. by 2-row plot; pesticides: 2.50 pt glyphosate.

Table 18. Colby, Thomas County Irrigated Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
KANSAS AES	KS3406RR	71.2	72.5	74.0	71.9	72.6	103	97	98	9/29	1.0	31
MIDLAND	3439NRR	74.4	75.9	--	75.2	--	107	102	--	10/1	1.0	33
MIDLAND	3610NRR	67.2	--	--	--	--	97	--	--	10/2	2.5	34
MIDLAND	3738NRR	73.9	76.9	--	75.4	--	106	103	--	10/5	1.8	35
MIDLAND	9A385NRS	69.4	68.2	82.3	68.8	73.3	100	92	109	10/6	2.0	33

Table 18 continued. Colby, Thomas County Irrigated Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
PHILLIPS	385NRS	68.9	--	--	--	--	99	--	--	10/4	1.5	35
PHILLIPS	399NRS	71.7	--	--	--	--	103	--	--	10/4	1.0	32
PHILLIPS	417 NRSE	62.8	--	--	--	--	90	--	--	10/5	1.8	33
PHILLIPS	420NRY	65.6	--	--	--	--	95	--	--	10/6	3.0	39
PHILLIPS	429NRS	68.6	--	--	--	--	99	--	--	10/7	1.8	32
	AVERAGES	69.4	74.4	75.8								
	CV (%)	7.2	10.5	7.5								
	LSD (0.10)	6.1	9.2	6.7								

Values in bold are in the upper LSD group.

Southwest Research-Extension Center, Garden City, Finney County; Monty Spangler, agronomist, 620-276-8286

Keith silt loam, pH 7.6, 2.10% OM; P test: , K test: --
 0-0-0 lb N-P-K fertilizer
 Rainfall: 4.4 1.8 3.7 3.2 2.2 1.6 16.9
 Irrigation: 0.6 2.1 3.8 2.0 8.5

Dry winter through March. Wet April through summer. Temperature was milder than average during summer months. Hail storm on Sept. 7 caused 10% leaf loss or plant damage across study.

April May June July Aug. Sept. Total
 Rainfall: 4.4 1.8 3.7 3.2 2.2 1.6 16.9
 Irrigation: 0.6 2.1 3.8 2.0 8.5

Planted 6/3/2009 at 10 seeds/ft; harvested 10/20/2009; 21 ft. by 2-row plot; pesticides: Glystar Plus 6/19/2009, Pursuit Plus, glyphosate, spreader 90 6/25/2009.

Table 19. Garden City, Finney County Irrigated Soybean Performance Test, 2007-2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
DRUSSEL SEED	DSS 3606R2Y	45.4	--	--	--	--	108	--	--	10/3	1.0	31
DRUSSEL SEED	DSS 3810R2Y	46.5	--	--	--	--	110	--	--	10/12	1.0	29
DRUSSEL SEED	DSS 3824R2Y	35.2	--	--	--	--	84	--	--	10/10	1.0	26
KANSAS AES	KS3406RR	37.6	21.4	51.1	29.5	36.7	89	80	88	10/3	1.0	27
MIDLAND	3439NRR	34.2	27.0	--	30.6	--	81	101	--	10/3	1.0	26
MIDLAND	3738NRR	45.7	31.9	64.4	38.8	47.3	109	119	111	10/7	1.0	30
MIDLAND	3740NR2	51.9	--	--	--	--	123	--	--	10/3	1.3	31
MIDLAND	3850NR2	41.2	--	--	--	--	98	--	--	10/12	1.0	29
MIDLAND	3960NR2	44.3	--	--	--	--	105	--	--	10/6	1.0	26
MIDLAND	4270NR2	41.0	--	--	--	--	97	--	--	10/15	1.3	28
MIDLAND	4289NRS	42.3	23.6	--	33.0	--	100	88	--	10/10	1.3	27
MIDLAND	4329NRR	52.5	27.7	--	40.1	--	125	104	--	10/15	1.5	30
MIDLAND	4419NRS	38.5	25.2	--	31.9	--	91	94	--	10/10	1.0	27
MIDLAND	4506NRR	41.6	33.2	61.6	37.4	45.5	99	124	107	10/16	2.3	36
MIDLAND	4580R2	34.6	--	--	--	--	82	--	--	10/17	1.5	29
MIDLAND	9A385NRS	37.8	27.9	58.0	32.9	41.2	90	104	100	10/10	1.0	27
PHILLIPS	385NRS	48.6	--	58.9	--	--	115	--	102	10/8	1.0	26
PHILLIPS	399NRS	41.4	--	--	--	--	98	--	--	10/6	1.3	27
PHILLIPS	417 NRSE	36.6	23.3	61.1	30.0	40.3	87	87	106	10/14	1.5	28
PHILLIPS	420NRY	50.2	--	--	--	--	119	--	--	10/12	1.0	32
PHILLIPS	429NRS	41.6	--	--	--	--	99	--	--	10/15	1.3	27
PHILLIPS	486NRS	26.6	--	--	--	--	63	--	--	10/17	1.3	34
	AVERAGES	42.1	26.7	57.8								
	CV (%)	8.9	13.5	11.2								
	LSD (0.10)	5.2	4.2	7.6								

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, % OM na; P test: M, K test: M Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good. High wind storm in early July resulted in some plant damage during flowering.

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

April May June July Aug. Sept. Total

Rainfall: 6.9 2.7 7.1 4.6 6.9 10.9 39.1

Planted 5/19/2009 at 8 seeds/ft; harvested 11/6/2009; 33 ft. by 2-row plot; pesticides: 1.3 pt Dual preplant.

Table 20. Ottawa, Franklin County Dryland Conventional Soybean Performance Test, 2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	2009	2008	2007	Mat	Lodge score
DYNA-GRO	35G38 *RR check	45.1	--	--	--	--	101	--	--	10/1	1.0	33
ILLINOIS AES	LD00-2817P	40.2	--	--	--	--	90	--	--	10/5	1.8	34
ILLINOIS AES	LD00-3309	44.2	--	--	--	--	99	--	--	10/2	1.0	31
IOWA AES	IA3023	38.2	--	--	--	--	85	--	--	9/24	1.0	30
IOWA AES	IA3024	39.2	--	--	--	--	88	--	--	9/20	1.0	31
IOWA AES	IA4004	46.8	--	--	--	--	104	--	--	9/24	1.8	31
KANSAS AES	K05-4624	43.7	--	--	--	--	98	--	--	10/6	2.0	33
KANSAS AES	KS3406RR *RR check	42.8	--	--	--	--	96	--	--	9/26	1.0	31
KANSAS AES	KS4607	38.3	--	--	--	--	85	--	--	10/6	1.0	32
MIDLAND	4270NR2 *RR check	52.4	--	--	--	--	117	--	--	10/5	1.0	31
NEBRASKA AES	U98-311442	44.1	--	--	--	--	98	--	--	10/2	1.0	31
NUTECH	3369L	45.5	--	--	--	--	102	--	--	9/30	1.3	34
NUTECH	3399L	46.8	--	--	--	--	104	--	--	10/4	1.0	31
NUTECH	3418L	50.5	--	--	--	--	113	--	--	10/6	1.3	36
SUPER SOY	SS-09L.42	50.5	--	--	--	--	113	--	--	10/5	1.0	35
SUPER SOY	SS-09L.47N	48.6	--	--	--	--	108	--	--	10/5	1.0	39
SUPER SOY	SS-10L.39N	44.7	--	--	--	--	100	--	--	10/5	1.0	31
	AVERAGES	44.8	--	--	--	--						
	CV (%)	4.9	--	--	--	--						
	LSD (0.10)	2.6	--	--	--	--						

Values in bold are in the upper LSD group.

Southeast Agricultural Research Center, Parsons, Labette County; James Long, agronomist, 620-421-4826

Parsons silt loam, pH na, % OM na; P test: M, K test: M Good stands obtained. Rainfall above normal, temperatures below normal. Weed control was good. Cool temperatures and freezes in late October adversely effected mid-goup V and later entries which had only partially completed seed fill.

18-46-0 lb N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 4.9 6.2 4.7 7.4 5.6 12.6 41.4

Planted 6/5/2009 at 7 seeds/ft; harvested 11/4/2009; 17 ft. by 2-row plot; pesticides: 1.33 Pint Dual II Magnum, 3 oz Canopy XL preemergence.

Table 21. Parsons, Labette County Dryland Conventional Soybean Performance Test, Maturity Groups IV-V, 2009

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2009		
		2009	2008	2007	2-Yr. AVG.	3-Yr. AVG.	2009	2008	2007	Mat	Lodge score	Ht (in)
KANSAS AES	K05-3457	49.5	--	--	--	--	96	--	--	10/18	3.3	35
KANSAS AES	K05-4626	50.0	--	--	--	--	97	--	--	10/21	3.3	27
KANSAS AES	KS5004N	50.0	--	--	--	--	97	--	--	10/21	3.0	37
KANSAS AES	KS5502N	45.4	--	--	--	--	88	--	--	10/26	4.0	33
KANSAS AES	KS5507NRR*RR check	46.2	--	--	--	--	89	--	--	10/26	3.5	34
MORSOY	LL 4998N	56.3	--	--	--	--	109	--	--	10/22	1.0	37
PIONEER	94Y70 *RR check	56.4	--	--	--	--	109	--	--	10/11	1.5	38
SUPER SOY	SS-09L.47N	53.8	--	--	--	--	104	--	--	10/10	1.3	36
SUPER SOY	SS-09L.49N	57.6	--	--	--	--	111	--	--	10/22	1.0	37
SUPER SOY	SS-10L.49N	51.8	--	--	--	--	100	--	--	10/20	1.3	37
SUPER SOY	SS-10L.51N	53.8	--	--	--	--	104	--	--	10/22	2.5	31
TENN AES	5002T	52.0	--	--	--	--	100	--	--	10/18	3.0	32
TENN AES	5601T	50.5	--	--	--	--	97	--	--	10/25	2.8	40
	AVERAGES	51.8	--	--	--	--						
	CV (%)	5.2	--	--	--	--						
	LSD (0.10)	3.2	--	--	--	--						

North Central Kansas Experiment Field, Belleville, Republic County; Barney Gordon, agronomist, 785-335-2836

Crete silt loam, pH na, % OM na; P test: M, K test: VH

Very dry winter and spring. Above-normal summer precipitation.

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

Cooler than normal throughout the growing season. Wet conditions in October delayed harvest.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.8	0.6	4.5	5.1	3.1	1.9	16.9
Irrigation:					3.0	3.0	6

Planted 5/18/2009 at 12 seeds/ft; harvested 10/22/2009; 25 ft. by 2-row plot; pesticides: 1.5 pt Dual/a, .25 lb/a Sccon, 1qt/a Roundup Ultra at planting.

Table 22. Scandia, Republic County Irrigated Conventional Soybean Performance Test, 2009

BRAND	NAME	ACRE YIELD, BUSHELS				YIELD AS % OF TEST AVERAGE			2009		
		2009	2-Yr. AVG.	3-Yr. AVG.	2009	2009	Mat	Lodge score	Ht (in)		
DYNA-GRO	35G38 *RR check	79.9	--	--	--	102	--	--	10/3	1.0	41
ILLINOIS AES	LD00-2817P	89.7	--	--	--	115	--	--	9/30	1.0	43
ILLINOIS AES	LD00-3309	69.9	--	--	--	89	--	--	10/2	1.0	38
IOWA AES	IA3023	77.8	--	--	--	99	--	--	9/30	1.0	39
IOWA AES	IA3024	73.7	--	--	--	94	--	--	9/30	1.0	43
IOWA AES	IA4004	81.0	--	--	--	104	--	--	10/6	1.0	42
KANSAS AES	K03-3825	76.3	--	--	--	98	--	--	10/5	1.0	42
KANSAS AES	K05-4624	82.7	--	--	--	106	--	--	10/7	1.0	44
KANSAS AES	KS3406RR *RR check	76.9	--	--	--	98	--	--	10/2	1.0	38
KANSAS AES	KS4607	80.5	--	--	--	103	--	--	10/6	1.0	43
MIDLAND	4270NR2 *RR check	76.0	--	--	--	97	--	--	10/6	1.0	40
NEBRASKA AES	U98-311442	68.5	--	--	--	88	--	--	10/1	1.0	41
OHLDE	4040	83.6	--	--	--	107	--	--	10/6	1.0	43
	AVERAGES	78.2	--	--							
	CV (%)	2.8	--	--							
	LSD (0.10)	3.0	--	--							

Values in bold are in the upper LSD group.

Table 23. Yield as a Percentage of Test Average from 2009 Roundup-Resistant Soybean Tests

BRAND/NAME	Topeka		Ottawa	Pittsburg				McCune		Erie		Belle-		Hutch-		Garden		AVG	
	Emmett	dryland		irrigated	MG4	DMG 4	MG 5	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville	Hesston	inson	Colby		City
CHANNEL																			
3600R2	111	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	111	
3800R2	--	101	108	--	--	--	--	--	--	--	--	--	--	107	100	--	--	104	
3852R	--	109	--	97	--	--	--	--	--	--	--	--	--	94	107	--	--	102	
3951R	--	--	99	--	--	--	--	--	--	--	--	--	--	--	102	--	--	101	
4000R2	--	100	96	93	--	--	--	--	--	--	--	--	--	101	108	--	--	100	
4551R	--	--	--	97	--	98	--	--	97	--	89	--	--	--	--	--	--	95	
5051R	--	--	--	--	--	--	101	--	--	104	--	96	--	--	--	--	--	100	
5351R	--	--	--	--	--	--	99	--	--	94	--	97	--	--	--	--	--	97	
XPR43-09	--	--	--	101	--	91	--	--	--	--	--	--	--	--	--	--	--	96	
XPR45-09	--	--	--	108	--	108	--	--	--	--	--	--	--	--	--	--	--	108	
XPR46-09	--	--	--	--	--	105	--	--	105	--	113	--	--	--	--	--	--	108	
DRUSSEL SEED																			
DSS 3606R2Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	108	108
DSS 3810R2Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	110
DSS 3824R2Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	84	84
DYNA-GRO																			
32C38	--	100	--	109	--	--	--	--	93	--	--	--	98	104	107	--	--	--	102
32X39	--	108	--	--	--	--	--	--	--	--	--	--	100	92	97	97	--	--	99
33A40	--	--	--	85	--	93	--	--	94	--	--	--	--	--	--	--	--	--	91
33B52	--	--	--	--	--	--	--	73	--	--	--	--	--	--	--	--	--	--	73
33C59	--	--	--	--	--	--	--	57	--	--	--	--	--	--	--	--	--	--	57
33X55	--	--	--	--	--	--	--	69	--	--	--	--	--	--	--	--	--	--	69
35G38	--	105	--	97	--	86	--	--	103	--	--	--	99	110	103	97	--	--	100
36C44	--	--	--	--	106	97	--	--	--	--	--	--	--	--	--	--	--	--	102
36Y48	--	--	--	--	--	--	--	123	--	--	--	--	--	--	--	--	--	--	123
37A44	--	--	--	--	92	107	--	--	--	--	--	--	--	--	100	--	--	100	
37P37	--	103	--	85	--	--	--	--	93	--	--	--	100	94	98	95	--	--	96
38C42	--	--	--	98	--	97	--	--	98	--	--	--	--	--	97	100	--	--	98
38R33	--	--	--	--	--	--	--	--	--	--	--	--	98	101	--	--	--	--	99
39RY34	--	99	--	--	--	--	--	--	--	--	--	--	97	87	--	--	--	--	94
FONTANELLE																			
460 NRRSTS	--	--	--	98	--	104	--	--	99	--	--	--	--	--	91	--	--	--	98
478 NRR STS	--	--	--	113	--	106	--	--	108	--	--	--	--	--	--	--	--	--	109
78N18	110	108	111	--	--	--	--	--	--	--	--	98	--	--	105	--	--	106	
80N29	91	95	105	96	--	--	--	--	--	--	--	96	--	--	103	--	--	98	
9680 NRR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	94	--	--	94	
9789 NRR	98	106	--	--	--	--	--	--	--	--	--	100	--	--	--	--	--	101	
EXP 84N	--	--	--	98	--	107	--	--	105	--	--	--	--	--	95	--	--	101	
G2 GENETICS																			
7333	--	--	--	--	--	--	--	--	--	--	--	98	--	--	--	--	--	--	98
7373	--	--	95	--	--	--	--	--	--	--	--	98	--	--	95	--	--	96	
7383	--	99	100	88	--	--	--	--	--	--	--	99	--	98	100	--	--	97	
7391	--	78	--	--	--	--	--	--	--	--	--	--	--	71	--	--	--	75	
7392	--	84	113	97	--	--	--	--	--	--	--	96	--	99	100	--	--	98	
7401	--	92	96	91	--	--	--	--	--	--	--	--	--	102	103	--	--	97	
7419	--	--	--	--	--	--	--	--	--	--	--	--	--	99	--	--	--	99	
7439S	--	--	115	--	--	--	--	--	--	--	--	--	--	--	100	--	--	108	
7479	--	--	--	--	--	--	--	--	--	--	--	--	--	92	--	--	--	92	

Table 23 continued. Yield as a Percentage of Test Average from 2009 Roundup-Resistant Soybean Tests

BRAND/NAME	Emmett	Topeka		Ottawa	Pittsburg				McCune		Erie		Belle-		Hutch-		Garden		
		dryland	irrigated		MG4	DMG 4	MG 5	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville	Hesston	inson	Colby	City	AVG
KANSAS AES																			
K04-2203RR	--	--	--	--	--	--	--	--	--	--	--	--	104	--	--	--	--	104	
K04-3083RR	--	--	--	--	--	--	--	--	123	--	--	--	--	--	--	--	--	123	
K04-3234RR	--	--	--	--	--	--	--	--	--	--	--	--	102	--	--	--	--	102	
K05-2270RR	--	--	--	--	--	--	--	--	--	--	--	--	93	--	--	--	--	93	
K05-2730RR	--	--	--	--	--	--	--	--	--	--	--	--	107	--	--	--	--	107	
K05-4184RR	--	--	--	--	--	--	--	--	--	--	--	--	107	--	--	--	--	107	
KS3406RR	--	91	--	107	--	83	--	--	88	--	72	--	99	114	99	96	103	89	95
KS5507NRR	--	--	--	--	--	--	83	87	--	76	--	88	--	--	--	--	--	--	85
KRUGER																			
K2-3401	104	--	--	--	--	--	--	--	--	--	--	--	100	100	--	--	--	--	101
K2-3601	104	--	--	--	--	--	--	--	--	--	--	--	95	98	--	--	--	--	99
K2-3801	107	101	109	104	--	--	--	--	--	--	--	--	100	94	--	--	--	--	102
K2-3901	98	--	--	--	--	--	--	--	--	--	--	--	98	96	--	--	--	--	97
K2X41A9	102	101	96	98	--	--	--	--	--	--	--	--	98	102	--	--	--	--	99
K2X42A9	--	97	92	107	--	--	--	--	--	--	--	--	--	--	--	--	--	--	99
K2X43A9	--	98	79	95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	91
K2X43B9	--	99	85	91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	92
K2X43C9	--	101	101	112	--	--	--	--	--	--	--	--	--	--	--	--	--	--	104
K-348RR/SCN	--	--	--	--	--	--	--	--	--	--	--	--	97	--	--	--	--	--	97
K-375RR/SCN	94	107	110	120	--	--	--	--	--	--	--	--	101	105	--	--	--	--	106
K-384RR/SCN	--	--	105	--	--	--	--	--	--	--	--	--	95	--	--	--	--	--	100
K-410RR/SCN	--	--	101	--	--	--	--	--	--	--	--	--	97	--	--	--	--	--	99
K-428RR/SCN	--	97	88	89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	91
K-439RR/SCN	--	102	102	93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	99
LEWIS																			
360R2	103	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	103
3780	95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95
3909	103	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	103
MIDLAND																			
3439NRR	--	--	106	--	--	--	--	--	--	--	--	--	--	--	--	--	107	81	98
3610NRR	--	110	115	--	--	--	--	--	--	--	--	--	--	--	--	--	97	--	107
3630R2	--	109	103	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	106
3738NRR	--	101	--	95	--	--	--	--	--	--	--	--	--	--	100	105	106	109	103
3740NR2	--	101	100	--	--	--	--	--	--	--	--	--	--	--	105	101	--	123	106
3850NR2	--	106	104	102	--	--	--	--	--	--	--	--	--	--	110	110	--	98	105
3920NRS	--	105	106	101	--	--	--	--	--	--	--	--	--	--	--	--	--	--	104
3960NR2	--	104	82	--	--	--	--	--	--	--	--	--	--	98	103	--	105	98	
4157NRS	--	100	--	92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	96
4270NR2	--	99	--	105	--	96	--	--	103	--	103	--	--	105	108	--	--	97	103
4289NRS	--	100	99	--	--	--	--	--	--	--	--	--	--	99	104	--	100	101	
4329NRR	--	97	--	110	--	100	--	--	--	--	98	--	--	92	98	--	125	103	
4419NRS	--	--	--	--	--	--	--	--	--	--	--	--	--	92	89	--	91	91	
4477NRR	--	--	--	103	--	100	--	--	--	--	--	--	--	--	--	--	--	--	102
4506NRR	--	--	--	110	--	107	--	--	--	--	--	--	--	105	99	--	99	104	
4549NRS	--	--	--	--	--	--	--	--	--	--	--	--	--	98	96	--	--	97	
4580R2	--	97	--	103	--	105	--	--	108	--	114	--	--	105	100	--	82	102	
4768NRR	--	--	--	100	--	105	--	--	105	--	104	--	--	--	--	--	--	--	104
4770NRR	--	--	--	102	--	101	--	--	99	--	101	--	--	--	--	--	--	--	101
4839NRS	--	--	--	97	--	--	96	130	--	106	--	108	--	--	--	--	--	--	107
4850NRS	--	--	--	--	--	--	--	--	--	--	--	--	--	98	103	--	--	101	
5197NRS	--	--	--	--	--	95	105	--	82	--	--	--	--	--	--	--	--	--	94
9A385NRS	--	94	100	--	--	--	--	--	--	--	--	--	--	107	102	100	90	99	

Table 23 continued. Yield as a Percentage of Test Average from 2009 Roundup-Resistant Soybean Tests

BRAND/NAME	Emmett	Topeka		Ottawa	Pittsburg				McCune		Erie		Belle-		Hutch-		Garden		AVG
		dryland	irrigated		MG4	DMG 4	MG 5	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville	Hesston	inson	Colby	City	
MORSOY																			
RT 4485N	--	--	--	117	--	--	--	--	--	--	--	--	--	--	--	--	--	--	117
RT 4707N	--	--	--	--	--	107	--	--	--	--	--	--	--	--	--	--	--	--	107
RT 5154N	--	--	--	--	--	--	106	--	--	--	--	--	--	--	--	--	--	--	106
RTS 4824	--	--	--	--	--	--	111	--	--	--	--	--	--	--	--	--	--	--	111
M-PRIDE																			
MP3908NRRSTS	--	--	--	95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95
MP4509NRRSTS	--	--	--	95	--	99	--	--	--	--	--	--	--	--	--	--	--	--	97
MP4689NRRSTS	--	--	--	81	--	91	--	--	--	--	--	--	--	--	--	--	--	--	86
MP4907NRRSTS	--	--	--	--	--	--	101	--	--	--	--	--	--	--	--	--	--	--	101
MP5505NRRSTS	--	--	--	--	--	--	97	--	--	--	--	--	--	--	--	--	--	--	97
NK																			
S33-K5	--	--	--	--	--	--	--	--	--	--	--	--	108	116	--	--	--	--	112
S36-B6	--	--	--	--	--	--	--	--	--	--	--	--	110	113	--	--	--	--	112
S37-P5	--	--	--	--	--	--	--	--	--	--	--	--	102	113	--	--	--	--	108
S39-A3	--	--	--	--	--	--	--	--	--	--	--	--	112	116	--	--	--	--	114
NUTECH																			
3909SRN	--	109	94	98	--	--	--	--	--	--	--	--	96	102	111	--	--	--	102
4444+RN	--	95	--	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102
7349	--	109	104	--	--	--	--	--	--	--	--	--	98	93	--	--	--	--	101
7369S	--	--	--	--	--	--	--	--	--	--	--	--	--	92	--	--	--	--	92
7379	--	113	--	--	--	--	--	--	--	--	--	--	--	98	--	--	--	--	106
7386	--	105	116	104	--	--	--	--	--	--	--	--	97	99	104	102	--	--	104
7399	--	--	98	--	--	--	--	--	--	--	--	--	96	--	--	92	--	--	95
7416S	--	89	109	99	--	--	--	--	--	--	--	--	102	--	105	98	--	--	100
7417	--	--	--	--	--	--	--	--	--	--	--	--	--	--	101	97	--	--	99
7417	--	106	95	101	--	--	--	--	--	--	--	--	--	--	98	93	--	--	99
7443	--	92	--	108	--	--	--	--	--	--	--	--	--	--	106	--	--	--	102
7475	--	--	--	96	--	--	--	--	--	--	--	--	--	--	97	100	--	--	98
OHLDE																			
Exp 322R	--	--	--	--	--	--	--	--	--	--	--	--	109	--	--	--	--	--	109
Exp 332R	--	--	--	--	--	--	--	--	--	--	--	--	102	117	--	--	--	--	110
Exp 362R	97	--	--	--	--	--	--	--	--	--	--	--	99	--	--	--	--	--	98
Exp 372R	104	--	--	--	--	--	--	--	--	--	--	--	--	97	--	--	--	--	101
Exp 392R	103	--	--	--	--	--	--	--	--	--	--	--	105	--	111	112	--	--	108
Exp 421RS	89	96	97	105	--	--	--	--	--	--	--	--	--	--	99	100	--	--	98
O-3632	99	--	--	--	--	--	--	--	--	--	--	--	100	104	--	94	--	--	99
O-3727	85	--	109	--	--	--	--	--	--	--	--	--	--	--	--	106	--	--	100
O-3732	95	--	--	--	--	--	--	--	--	--	--	--	--	99	103	--	--	--	99
O-4232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	100
O-4595	--	--	--	105	--	--	--	--	--	--	--	--	--	--	105	94	--	--	101

Table 23 continued. Yield as a Percentage of Test Average from 2009 Roundup-Resistant Soybean Tests

BRAND/NAME	Emmett	Topeka		Ottawa	Pittsburg				McCune		Erie		Belle-		Hutch-		Garden		AVG
		dryland	irrigated		MG4	DMG 4	MG 5	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville	Hesston	inson	Colby	City	
PHILLIPS																			
325NRR	--	--	--	--	--	--	--	--	--	--	--	--	99	91	--	--	--	--	95
3600R2Y	--	--	90	--	--	--	--	--	--	--	--	--	--	--	96	--	--	--	93
360NRY	--	106	95	--	--	--	--	--	--	--	--	--	100	101	--	--	--	--	100
380RY	--	85	101	--	--	--	--	--	--	--	--	--	98	90	--	--	--	--	93
385NRS	--	106	104	--	--	--	--	--	--	--	--	--	98	100	102	110	99	115	104
399NRS	--	102	105	98	--	--	--	--	--	--	--	--	102	115	105	100	103	98	103
417 NRSE	--	91	97	101	--	--	--	--	--	--	--	--	105	85	98	101	90	87	95
420NRY	--	84	80	102	--	--	--	--	--	--	--	--	97	83	--	--	95	119	94
429NRS	--	104	92	99	--	--	--	--	--	--	--	--	102	98	97	96	99	99	98
439NRS	--	90	87	93	--	--	--	--	--	--	--	--	99	98	91	97	--	--	94
486NRS	--	--	--	102	--	--	--	--	--	--	--	--	--	--	96	96	--	63	89
PIONEER																			
94Y70	--	--	--	--	106	106	--	--	98	--	--	--	--	--	--	--	--	--	105
94Y80	--	--	--	--	--	--	106	106	--	111	--	--	--	--	--	--	--	--	108
95Y01	--	--	--	--	--	--	105	104	--	109	--	--	--	--	--	--	--	--	106
95Y40	--	--	--	--	--	--	92	115	--	90	--	--	--	--	--	--	--	--	99
PROGENY																			
4807RR	--	--	--	--	--	--	107	--	--	115	--	117	--	--	--	--	--	--	113
4906RR	--	--	--	--	--	--	104	--	--	112	--	105	--	--	--	--	--	--	107
4949RR	--	--	--	--	--	--	97	--	--	106	--	98	--	--	--	--	--	--	100
5115RR	--	--	--	--	--	--	99	--	--	104	--	93	--	--	--	--	--	--	99
5218RR	--	--	--	--	--	--	89	--	--	75	--	98	--	--	--	--	--	--	87
RENZE																			
R3797RRcn	93	99	82	97	--	--	--	--	--	--	--	--	97	102	--	--	--	--	95
R4038SRcn	97	110	106	98	--	--	--	--	--	--	--	--	96	100	--	--	--	--	101
R4230SRcn	101	96	89	103	101	--	--	--	99	--	100	--	97	106	--	--	--	--	99
R4530SRcn	--	--	--	--	93	--	--	--	98	--	98	--	--	--	--	--	--	--	96
R4730SRcn	--	--	--	--	101	--	--	--	103	--	101	--	--	--	--	--	--	--	101
SYLVESTER																			
3249NRR	--	--	--	--	--	--	--	--	--	--	--	--	99	91	--	--	--	--	95
3439NRR	91	--	--	--	--	--	--	--	--	--	--	--	104	105	--	--	--	--	100
3610NRR	101	--	--	--	--	--	--	--	--	--	--	--	104	106	--	--	--	--	104
3630R2	102	--	--	--	--	--	--	--	--	--	--	--	101	92	--	--	--	--	98
3738NRR	103	--	--	--	--	--	--	--	--	--	--	--	--	94	--	--	--	--	98
3740NR2	103	--	--	--	--	--	--	--	--	--	--	--	93	98	--	--	--	--	98
3850NR2	108	--	--	--	--	--	--	--	--	--	--	--	101	95	--	--	--	--	101
3920NRS	101	--	--	--	--	--	--	--	--	--	--	--	102	103	--	--	--	--	102
3960NR2	100	--	--	--	--	--	--	--	--	--	--	--	96	96	--	--	--	--	98
4157NRS	--	--	--	--	--	--	--	--	--	--	--	--	--	107	--	--	--	--	107
4270NR2	100	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--	--	100
4289NRS	91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	91
9A385NRS	101	--	--	--	--	--	--	--	--	--	--	--	98	93	--	--	--	--	97

Table 23 continued. Yield as a Percentage of Test Average from 2009 Roundup-Resistant Soybean Tests

BRAND/NAME	Emmett	Topeka		Ottawa	Pittsburg				McCune		Erie		Belle-Scandia	ville	Hesston	inson	Colby	Garden City	AVG
		dryland	irrigated		MG4	DMG 4	MG 5	DMG 5	MG 4	MG 5	MG 4	MG 5							
TAYLOR																			
378RR	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100
445RR	--	--	--	96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	96
487RRS	--	--	--	111	--	--	106	--	--	--	--	--	--	--	--	--	--	--	109
495RRS	--	--	--	--	--	--	107	--	--	115	--	--	--	--	--	--	--	--	111
Exp 371-2R	103	111	--	--	--	--	--	--	--	--	--	--	100	--	--	--	--	--	105
Exp 381-2R	104	100	104	--	--	--	--	--	--	--	--	103	100	--	--	--	--	--	102
Exp 391-2R	--	--	98	--	--	--	--	--	--	--	--	98	--	--	--	--	--	--	98
Exp 461-2R	--	--	--	116	--	--	--	--	105	--	108	--	--	--	--	--	--	--	110
WILLCROSS																			
2379N	109	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	109
2399N	99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	99
RR2397N	--	--	110	93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102
RR2398N	--	--	102	93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98
RR2446N	--	--	93	105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	99
RR2470NSTS	--	--	107	101	--	--	--	--	--	--	--	--	--	--	--	--	--	--	104
RR2477NSTS	--	--	97	98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98
RR2484N	--	--	103	96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100
RR2490NSTS	--	--	--	--	--	--	--	89	--	--	--	--	--	--	--	--	--	--	89
RR2498NSTS	--	--	--	--	--	--	--	127	--	--	--	--	--	--	--	--	--	--	127
RR2507NSTS	--	--	--	--	--	--	--	111	--	--	--	--	--	--	--	--	--	--	111
RR2544NSTS	--	--	--	--	--	--	--	99	--	--	--	--	--	--	--	--	--	--	99
RR2878NSTS	--	--	105	101	--	--	--	83	--	--	--	--	--	--	--	--	--	--	97

Table 24. Yield as a Percentage of Test Average from 2009 Conventional Soybean Tests

BRAND/NAME	Ottawa	Parsons MG 5	Scandia	AVG
ILLINOIS AES				
LD00-2817P	90	--	115	102
LD00-3309	99	--	89	94
IOWA AES				
IA3023	85	--	99	92
IA3024	88	--	94	91
IA4004	104	--	104	104
KANSAS AES				
K03-3825	--	--	98	98
K05-3457	--	96	--	96
K05-4624	98	--	106	102
K05-4626	--	97	--	97
KS4607	85	--	103	94
KS5004N	--	97	--	97
KS5502N	--	88	--	88
MORSOY				
LL 4998N	--	109	--	109
NEBRASKA AES				
U98-311442	98	--	88	93
NUTECH				
3369L	102	--	--	102
3399L	104	--	--	104
3418L	113	--	--	113
OHLDE				
4040	--	--	107	107
SUPER SOY				
SS-09L.42	113	--	--	113
SS-09L.47N	108	104	--	106
SS-09L.49N	--	111	--	111
SS-10L.39N	100	--	--	100
SS-10L.49N	--	100	--	100
SS-10L.51N	--	104	--	104
TENN AES				
5002T	--	100	--	100
5601T	--	97	--	97

Table 25. Description of Roundup-Resistant Entries in 2009 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
CHANNEL	3600R2	3.0	P	lb	--	R	--	R	PI88788	S	2.2	--
CHANNEL	3800R2	3.0	P	Br	--	R	--	R	PI88788	S	2.2	--
CHANNEL	3852R	3.8	W	Bl	--	R	--	R	PI88788	Rps1c	2.2	--
CHANNEL	3951R	3.9	W	Bf	--	R	--	R	PI88788	Rps1c	4.0	--
CHANNEL	4000R2	4.0	W	Bl	--	R	--	R	PI88788	S	2.5	--
CHANNEL	4551R	4.5	W	Bl	--	R	--	R	PI88788	Rps1a	3.0	STS
CHANNEL	5051R	5.0	W	Bl	--	R	--	R	PI88788	S	1.9	--
CHANNEL	5351R	5.3	W	Bl	--	R	--	R	PI88788	susc	2.0	STS
CHANNEL	XPR43-09	4.0	--	--	--	R	--	R	PI88788	--	--	--
CHANNEL	XPR45-09	4.0	--	--	--	R	--	R	PI88788	--	--	--
CHANNEL	XPR46-09	4.0	--	--	--	R	--	R	PI88788	--	--	--
DRUSSEL SEED	DSS 3606R2Y	3.6	P	lb	--	R	--	MR	PI88788	--	1.7	--
DRUSSEL SEED	DSS 3810R2Y	3.8	P	Br	--	R	--	MR	PI88788	--	2.2	--
DRUSSEL SEED	DSS 3824R2Y	3.8	W	Bl	--	MR	--	MR	PI88788	--	2.2	--
DYNA-GRO	32C38	3.8	W	Br	--	R	--	R	PI88788	Rps1c	3.0	--
DYNA-GRO	32X39	3.9	P	Bl	--	R	--	R	PI88788	Rps1c	3.0	--
DYNA-GRO	33A40	4.0	P	Bl	--	R	--	R	PI88788	--	2.0	STS
DYNA-GRO	33B52	5.2	W	BF	--	R	--	R	--	--	3.0	--
DYNA-GRO	33C59	5.9	W	BF	--	R	--	R	--	Rps1c	2.0	--
DYNA-GRO	33X55	5.5	P	BL	--	R	--	R	--	--	2.0	--
DYNA-GRO	35G38	3.8	P	Bl	--	R	--	R	--	--	2.0	--
DYNA-GRO	36C44	4.4	P	Bl	S	R	S	MR	PI88788	--	3.0	STS
DYNA-GRO	36Y48	4.8	P	Br	--	R	--	R	--	--	3.0	STS
DYNA-GRO	37A44	4.4	P	Br	--	R	--	R	--	--	3.0	--
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	38C42	4.2	W	Bl	--	R	--	R	--	--	4.0	STS
DYNA-GRO	38R33	3.3	P	Bl	--	R	--	R	PI88788	Rps1c	3.0	--
DYNA-GRO	39RY34	3.4	--	--	--	--	--	--	--	--	--	--
FONTANELLE	460 NRRSTS	--	--	--	--	--	--	--	--	--	--	--
FONTANELLE	478 NRR STS	4.7	P	Bl	--	MR	--	--	--	S	--	--
FONTANELLE	78N18	--	--	--	--	--	--	--	--	--	--	--
FONTANELLE	80N29	--	--	--	--	--	--	--	--	--	--	--
FONTANELLE	9680 NRR	3.8	P	IB	R	R	--	R	PI88788	Rps1k	--	--
FONTANELLE	9789 NRR	3.8	W	Bf	--	R	--	--	--	Rps1c	5.0	--
FONTANELLE	EXP 84N	--	--	--	--	--	--	--	--	--	--	--
G2 GENETICS	7333	3.4	P	Bl	R	R	R	--	PI88788	Rps1c	5.0	--
G2 GENETICS	7373	3.8	P	Bl	R	R	R	--	PI88788	Rps1k	5.0	--
G2 GENETICS	7383	3.8	W	Bl	R	R	R	--	PI88788	Rps1k	4.0	--
G2 GENETICS	7391	3.9	W	Bl	R	R	R	--	PI88788	Rps1k	5.0	--
G2 GENETICS	7392	3.9	--	--	--	--	--	--	--	--	--	--
G2 GENETICS	7401	4.0	--	--	--	--	--	--	--	--	--	--
G2 GENETICS	7419	4.1	--	--	--	--	--	--	--	--	--	--
G2 GENETICS	7439S	4.3	--	--	--	--	--	--	--	--	--	--
G2 GENETICS	7479	4.7	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K04-2203RR	3.9	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K04-3083RR	4.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K04-3234RR	4.2	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K05-2270RR	4.0	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K05-2730RR	3.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K05-4184RR	4.4	--	--	--	--	--	--	--	--	--	--
KANSAS AES	KS3406RR	3.4	P	Br	--	S	--	--	--	--	--	--
KANSAS AES	KS5507NRR	5.2	P	IB	R	R	R	R	PI437654	--	--	--
KRUGER	K2-3401	3.4	P	IB	--	R	--	--	PI88788	Rps1c	--	--
KRUGER	K2-3601	3.5	P	M	--	R	--	--	PI88788	S	--	--
KRUGER	K2-3801	3.8	P	BR	--	R	--	--	PI88788	Rps1c	--	--
KRUGER	K2-3901	3.9	W	BL	--	R	--	--	PI88788	S	--	--
KRUGER	K2X41A9	4.1	P	BL	--	R	--	--	PI88788	Rps1k	--	--
KRUGER	K2X42A9	4.2	P	M	--	R	--	--	PI88788	Rps1k	--	--
KRUGER	K2X43A9	4.3	P	BL	--	R	--	--	PI88788	S	--	--
KRUGER	K2X43B9	4.3	P	BL	--	R	--	--	PI88788	Rps1a	--	--
KRUGER	K2X43C9	4.3	P	BL	--	S	--	--	--	Rps1c	--	--

Table 25 continued. Description of Roundup-Resistant Entries in 2009 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
KRUGER	K-348RR/SCN	3.4	R	Bl	--	R	--	--	PI88788	Rps1c	--	--
KRUGER	K-375RR/SCN	3.8	W	BF	--	R	--	--	PI88788	Rps1c	--	STS
KRUGER	K-384RR/SCN	3.8	W	Bf	--	R	--	--	PI88788	Rps1c	7.0	--
KRUGER	K-410RR/SCN	4.0	P	Bl	--	R	--	--	PI88788	--	--	STS
KRUGER	K-428RR/SCN	4.2	P	BL	--	MR	--	--	PI88788	S	--	STS
KRUGER	K-439RR/SCN	4.3	P	BL	--	R	--	--	PI88788	S	--	STS
LEWIS	360R2	3.6	P	IB	S	R	R	MR	PI88788	S	2.0	--
LEWIS	3780	3.7	W	BF	S	R	R	MR	PI88788	Rps1c	2.0	STS
LEWIS	3909	3.9	W	Bf	--	R	--	--	PI88788	Rps1c	2.0	--
MIDLAND	3439NRR	3.4	--	--	--	R	--	MR	PI88788	--	1.8	--
MIDLAND	3610NRR	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3630R2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3738NRR	3.7	--	--	--	MR	--	MR	PI88788	Rps1c	3.0	--
MIDLAND	3740NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3850NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3920NRS	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3960NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4157NRS	4.1	--	--	--	R	--	MR	PI88788	--	4.0	STS
MIDLAND	4230RS2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4270NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4289NRS	4.2	--	--	--	R	--	MR	PI88788	--	2.0	STS
MIDLAND	4329NRR	4.3	--	--	--	--	--	MR	PI88788	--	2.2	--
MIDLAND	4419NRS	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4477NRR	4.4	--	--	--	MR	--	--	PI88788	--	4.0	--
MIDLAND	4506NRR	4.5	--	--	--	R	--	MR	PI88788	--	4.0	STS
MIDLAND	4511NRS	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4580R2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4768NRR	4.7	--	--	--	R	--	--	PI88788	Rps1c	4.0	--
MIDLAND	4770NRR	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4839NRS	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	5197NRS	5.1	--	--	--	R	--	--	PI88788	--	3.0	STS
MIDLAND	9A385NRS	3.8	W	Bf	--	R	--	--	PI88788	Rps1c	3.8	STS
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	RT 5154N	5.1	P	Bl	--	R	--	MR	PI88788	--	3.0	--
MORSOY	RTS 4824	4.8	P	Bl	--	--	--	--	--	Rps1a	3.0	STS
M-PRIDE	MP3908NRRSTS	3.9	P	Bl	--	R	--	--	PI88788	--	2.0	STS
M-PRIDE	MP4509NRRSTS	4.5	P	Bl	--	--	--	--	PI88788	--	2.0	STS
M-PRIDE	MP4689NRRSTS	4.6	P	Bl	--	R	--	R	PI88788	--	2.5	STS
M-PRIDE	MP4907NRRSTS	4.9	P	IB	--	R	--	R	PI88788	--	2.5	STS
M-PRIDE	MP5505NRRSTS	5.5	W	Bf	--	MR	--	--	--	--	2.5	STS
NK	S33-K5	3.3	W	BL	--	--	--	--	--	Rps1a	5.0	--
NK	S36-B6	3.6	P	Bl	S	Si	S	S	--	Rps1a	3.0	--
NK	S37-P5	3.7	W	Bl	--	R	--	R	PI88788	S	3.0	--
NK	S39-A3	3.9	W	Bl	--	R	--	R	PI88788	S	3.0	--
NUTECH	3909SRN	3.9	W	Bf	--	R	--	R	88.788	Rps1c	--	STS
NUTECH	4444+RN	4.4	P	Br	--	R	--	R	88.788	--	--	--
NUTECH	7349	3.4	--	--	--	--	--	--	--	--	--	--
NUTECH	7369S	3.6	--	--	--	--	--	--	--	--	--	--
NUTECH	7379	3.7	--	--	--	--	--	--	--	--	--	--
NUTECH	7386	3.8	W	Bf	R	R	R	R	PI88788	Rps1c	--	--
NUTECH	7399	3.9	P	Bl	R	R	R	R	PI88788	Rps1c	--	--
NUTECH	7416S	4.1	--	--	--	--	--	--	--	--	--	--
NUTECH	7417	4.2	--	--	--	--	--	--	--	--	--	--
NUTECH	7417	4.1	P	Bl	R	R	R	R	PI88788	S	--	--
NUTECH	7443	4.4	--	--	R	R	R	R	PI88788	--	--	--
NUTECH	7475	--	--	--	--	--	--	--	--	--	--	--
OHLDE	Exp 322R	--	--	--	--	--	--	--	--	--	--	--
OHLDE	Exp 332R	--	--	--	--	--	--	--	--	--	--	--
OHLDE	Exp 362R	--	--	--	--	--	--	--	--	--	--	--
OHLDE	Exp 372R	--	--	--	--	--	--	--	--	--	--	--
OHLDE	Exp 392R	--	--	--	--	--	--	--	--	--	--	--

Table 25 continued. Description of Roundup-Resistant Entries in 2009 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
OHLDE	Exp 421RS	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-3632	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-3727	3.7	W	IB	S	MR	MR	MR	PI88788	Rps1c	2.0	STS
OHLDE	O-3732	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-4232	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-4595	4.5	P	Br	S	R	S	MR	PI88788	--	2.0	--
PHILLIPS	325NRR	3.2	P	IB	--	--	--	--	--	--	1.9	--
PHILLIPS	3600R2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	360NRY	3.6	P	Bl	--	--	--	--	--	RG1c	2.4	--
PHILLIPS	380RY	3.8	P	B	--	--	--	--	--	NG22	2.9	--
PHILLIPS	385NRS	3.8	W	Bf	--	--	--	--	--	Rcl.7	1.7	--
PHILLIPS	399NRS	3.9	W	Bf	--	--	--	--	--	Rps1c	2.7	--
PHILLIPS	417 NRSE	4.1	W	B	R	--	--	MR	--	--	1.6	--
PHILLIPS	420NRY	4.2	P	Bl	--	--	--	--	--	--	1.9	--
PHILLIPS	429NRS	4.2	P	Bl	--	--	--	--	--	--	1.8	--
PHILLIPS	439NRS	4.2	P	Bl	--	--	--	--	--	--	1.7	--
PHILLIPS	486NRS	4.8	P	B	--	MR	--	MS	--	Rps1a	1.8	--
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	95Y40	5.4	W	Bl	MR	R	S	R	PI88788	Rps1k	4.0	--
PROGENY	4807RR	4.8	P	Bl	--	R	--	--	--	--	--	--
PROGENY	4906RR	4.9	P	Bl	--	--	--	--	--	Rps1a	--	--
PROGENY	4949RR	4.9	W	Bl	--	--	--	--	--	--	--	--
PROGENY	5115RR	5.1	P	Bl	--	R	--	--	--	--	--	--
PROGENY	5218RR	5.2	P	Bl	--	MR	--	--	--	--	--	--
RENZE	R3797RRcn	3.7	P	IB	S	R	MR	MR	PI88788	--	3.0	--
RENZE	R4038SRcn	4.0	W	Bl	S	R	--	MR	PI88788	--	3.0	STS
RENZE	R4230SRcn	4.2	P	Bl	S	R	--	MR	PI88788	--	8.0	STS
RENZE	R4530SRcn	4.5	P	Bl	S	MR	--	MR	PI88788	--	8.0	STS
RENZE	R4730SRcn	4.7	M	Bl	S	R	--	MR	PI88788	--	8.0	STS
SYLVESTER	3249NRR	3.2	--	--	--	R	--	MR	PI88788	Rps1a	--	--
SYLVESTER	3439NRR	3.4	--	--	--	R	--	MR	PI88788	--	1.8	--
SYLVESTER	3610NRR	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3630R2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3738NRR	3.7	--	--	--	R	--	MR	PI88788	Rps1c	2.0	--
SYLVESTER	3740NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3850NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3920NRS	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	3960NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	4157NRS	4.1	--	--	--	R	--	MR	PI88788	--	1.9	STS
SYLVESTER	4270NR2	--	--	--	--	--	--	--	--	--	--	--
SYLVESTER	4289NRS	4.2	--	--	--	R	--	MR	PI88788	--	2.0	STS
SYLVESTER	9A385NRS	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	378RR	3.7	--	--	--	R	--	MR	PI88788	Rps1a	1.8	--
TAYLOR	445RR	4.4	--	--	S	MR	S	MR	PI88788	Rps1a	2.0	--
TAYLOR	487RRS	4.8	--	--	--	MR	--	MR	PI88788	Rps1a	2.0	STS
TAYLOR	495RRS	4.9	--	--	--	R	--	MR	PI88788	Rps1k	2.0	--
TAYLOR	Exp 371-2R	3.7	--	--	--	R	--	MR	PI88788	Rps1a	2.0	--
TAYLOR	Exp 381-2R	3.8	--	--	--	R	--	MR	PI88788	Rps1a	3.0	--
TAYLOR	Exp 391-2R	3.9	--	--	--	R	--	MR	PI88788	Rps1a	3.0	--
TAYLOR	Exp 461-2R	4.5	--	--	--	MR	--	MR	PI88788	Rps1a	3.0	--
WILLCROSS	2379N	3.7	W	IB	--	R	--	R	PI88788	Rps1c	1.7	--
WILLCROSS	2399N	3.8	W	Bf	--	R	--	R	PI88788	Rps1c	1.8	STS
WILLCROSS	RR2397N	3.9	--	--	--	R	--	MR	--	Rps1c	2.6	--
WILLCROSS	RR2398N	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RR2446N	4.4	P	Br	--	R	--	R	PI88788	NG	3.0	--
WILLCROSS	RR2470NSTS	4.7	W	Bl	--	R	--	MR	--	--	--	STS
WILLCROSS	RR2477NSTS	4.7	M	Bl	--	--	--	--	--	--	--	STS
WILLCROSS	RR2484N	4.8	W	--	--	R	--	R	PI88788	--	2.2	--
WILLCROSS	RR2490NSTS	4.9	P	IB	--	R	--	MR	--	--	--	STS
WILLCROSS	RR2498NSTS	4.9	P	IB	--	R	--	MR	--	--	--	STS

Table 25 continued. Description of Roundup-Resistant Entries in 2009 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
WILLCROSS	RR2507NSTS	5.0	P	IB	--	R	--	MR	--	--	--	STS
WILLCROSS	RR2544NSTS	5.4	W	Bf	--	R	--	R	PI88788	--	4.0	STS
WILLCROSS	RR2547N	5.4	W	Bl	--	R	--	R	--	--	--	--
WILLCROSS	RR2878NSTS	--	--	--	--	--	--	--	--	--	--	--

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

Hilum color: Bl = black, lb = 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

All information supplied by entrant.

Table 26. Description of Conventional Entries in 2009 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
ILLINOIS AES	LD00-2817P	4.1	P	lb	--	R	--	--	788/654	--	--	--
ILLINOIS AES	LD00-3309	3.9	P	Bl	--	R	--	--	PI88788	--	--	--
IOWA AES	IA3023	3.0	P	Y	S	S	S	S	--	S	--	--
IOWA AES	IA3024	3.0	W	Bl	S	S	S	S	--	S	--	--
IOWA AES	IA4004	4.0	P	lb	S	S	S	S	--	R	--	--
KANSAS AES	K03-3825	4.6	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K05-3457	5.0	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K05-4624	4.5	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K05-4626	4.8	--	--	--	--	--	--	--	--	--	--
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	--	--
MORSOY	LL 4998N	4.9	P	lb	--	R	--	MR	PI88788	Rps1k	3.0	--
NEBRASKA AES	U98-311442	3.9	W	lb	--	R	--	--	PI88788	S	--	--
NUTECH	3369L	3.6	--	--	--	--	--	--	--	--	--	--
NUTECH	3399L	3.9	--	--	--	--	--	--	--	--	--	--
NUTECH	3418L	4.1	--	--	--	--	--	--	--	--	--	--
OHLDE	4040	--	--	--	--	--	--	--	--	--	--	--
SUPER SOY	SS-09L.42	4.2	P	Bl	--	--	--	--	--	--	1.9	--
SUPER SOY	SS-09L.47N	4.7	P	lb	--	R	--	--	--	--	2.3	--
SUPER SOY	SS-09L.49N	4.9	P	Bf	--	R	--	--	--	Rps1k	2.2	--
SUPER SOY	SS-10L.39N	3.9	W	Bl	--	R	--	--	--	--	1.7	--
SUPER SOY	SS-10L.49N	4.9	P	Bf	--	R	--	--	--	--	1.8	--
SUPER SOY	SS-10L.51N	5.1	W	Bl	--	R	--	--	--	--	1.8	--
TENN AES	5002T	5.0	W	lb	S	S	S	S	--	S	--	--
TENN AES	5601T	5.6	W	Bf	S	S	S	S	--	S	--	--

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

Hilum color: Bl = black, lb = 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 = sulfonyleurea herbicide tolerant

All information supplied by entrant.

To access crop performance testing information electronically, visit our Web site. The information contained in this publication, plus more, is available for viewing or downloading at:

www.agronomy.ksu.edu/kscpt

Excerpts from the
University Research Policy Agreement with Cooperating Seed Companies

Permission is hereby given to Kansas State University (KSU) to test varieties and/or hybrids designated on the attached entry forms in the manner indicated in the test announcements. I certify that seed submitted for testing is a true sample of the seed being offered for sale.

I understand that all results from Kansas Crop Performance Tests belong to the University and the public and shall be controlled by the University so as to produce the greatest benefit to the public. Performance data may be used in the following ways: 1) Tables may be reproduced in their entirety provided the source is referenced and data are not manipulated or reinterpreted; 2) Advertising statements by an individual company about the performance of its entries may be made as long as they are accurate statements about the data as published, with no reference to other companies' names or cultivars. In both cases, the following must be included with the reprint or ad citing the appropriate publication number and title: "See the official Kansas State University Agricultural Experiment Station and Cooperative Extension Service Report of Progress 1022, '2009 Kansas Performance Tests with Soybean Varieties,' or the Kansas Crop Performance Test Web site, www.agronomy.ksu.edu/kscpt, for details. Endorsement or recommendation by Kansas State University is not implied."

Contributors

Main Station, Manhattan

William T. Schapaugh, Jr., Professor (Senior Author)
Jane Lingenfelter, Assistant Agronomist

Research Centers

Patrick Evans, Colby
James Long, Columbus
Monty Spangler, Garden City
Dean Stites, Crawford County Extension

Experiment Fields

Mark Claassen, Hesston
W. Barney Gordon, Belleville and Scandia
William Heer, Hutchinson
James Kimball, Ottawa
Larry Maddux, Topeka

Copyright 2009 Kansas State University Agricultural Experiment Station and Cooperative Extension Service. Contents of this publication may be freely reproduced for educational purposes. All other rights reserved. In each case, give credit to the author(s), 2009 Kansas Performance Tests with Soybean Varieties, Kansas State University, December 2009. Contribution no. 10-167-S from the Kansas Agricultural Experiment Station.

Brand names appearing in this publication are for product identification purposes only. No endorsement is intended, nor is criticism implied of similar products not mentioned.

Publications from Kansas State University are available on the World Wide Web at:
www.ksre.ksu.edu

Kansas State University Agricultural Experiment Station and Cooperative Extension Service