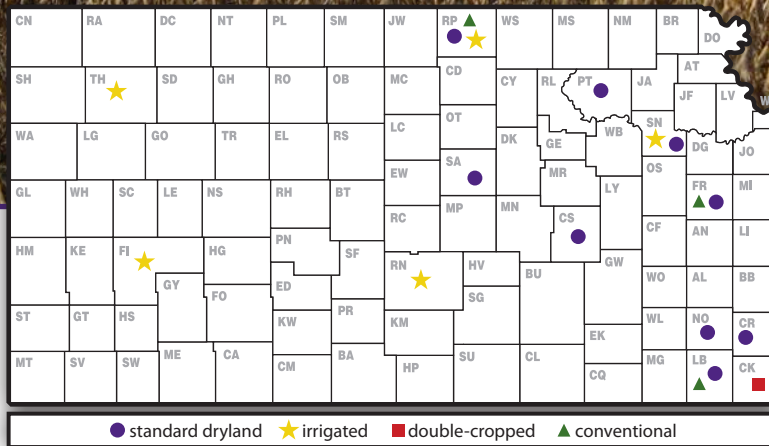
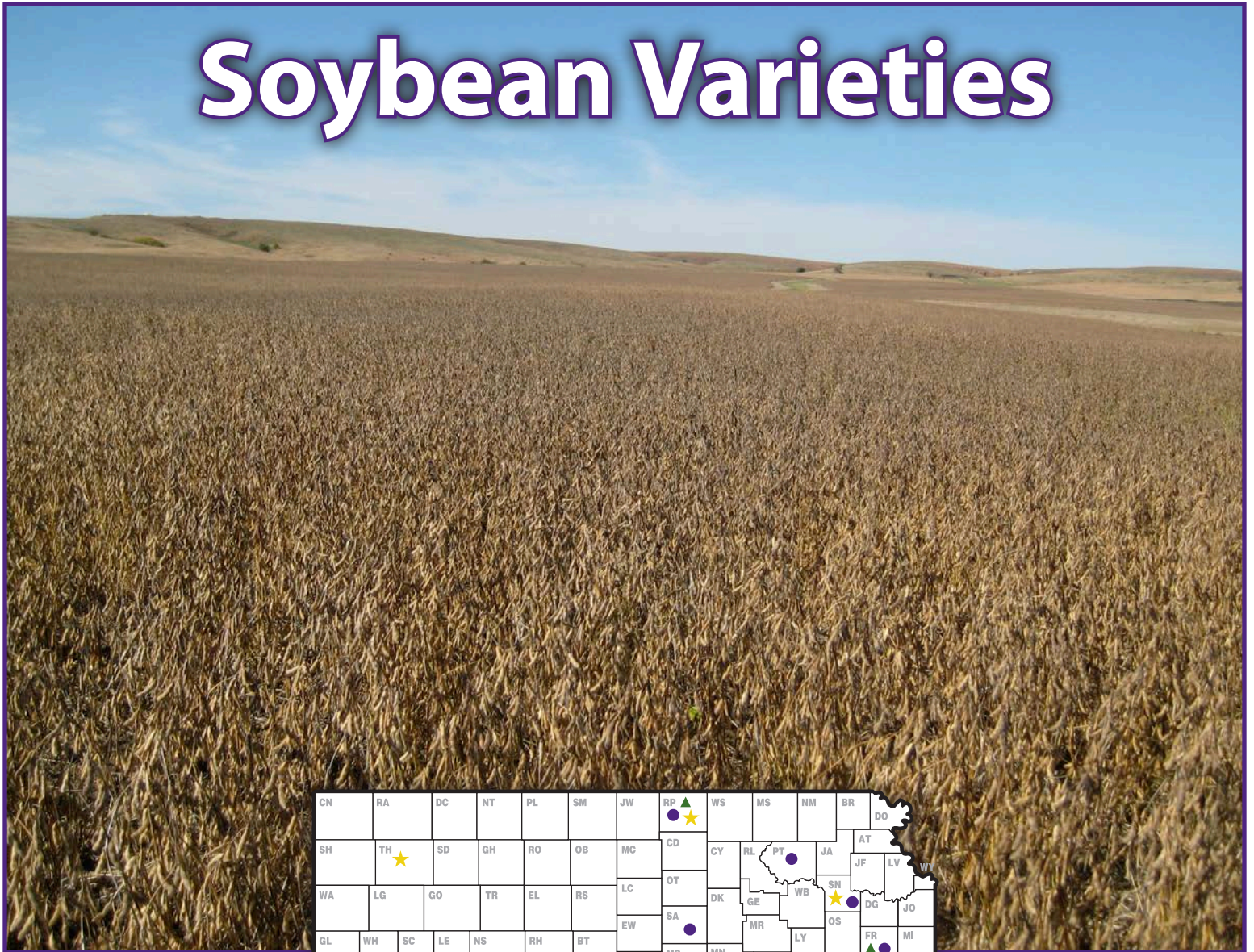


2012 Kansas Performance Tests with

Soybean Varieties



Report of Progress 1076



CONTENTS

INTRODUCTION

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

PERFORMANCE TEST RESULTS

Emmett, Pottawatomie County (dryland), Table 2.....	3
Topeka, Shawnee County (dryland), Table 3.....	4
Topeka, Shawnee County (irrigated), Table 4.....	5
Ottawa, Franklin County (dryland), Table 5.....	6
Parsons, Labette County, Maturity Groups III-IV (dryland), Table 6.....	7
Parsons, Labette County, Maturity Groups IV-V (dryland), Table 7.....	7
Pittsburg, No-Till, Double-Cropped Maturity Groups IV-V (dryland), Table 8.....	8
McCune, Crawford County, Maturity Groups III-IV (irrigated), Table 9.....	9
McCune, Crawford County, Maturity Groups IV-V (irrigated), Table 10.....	9
Erie, Neosho County, Maturity Groups III-IV (dryland), Table 11.....	10
Erie, Neosho County, Maturity Groups IV-V (dryland), Table 12.....	11
Scandia, Republic County (irrigated), Table 13.....	11
Belleville, Republic County (dryland), Table 14.....	13
Assaria, Saline County (dryland), Table 15.....	14
Hutchinson, Reno County (irrigated), Table 16.....	15
Colby, Thomas County (irrigated), Table 17.....	16
Garden City, Finney County (irrigated), Table 18.....	17
Ottawa, Franklin County (conventional/dryland), Table 19.....	18
Scandia, Republic County (conventional/irrigated), Table 20.....	18
Parsons, Labette County (conventional/dryland), Table 21.....	19

YIELD SUMMARY

Yield as a Percentage of Test Average from 2012 Roundup-Resistant Soybean Tests, Table 22.....	20
Yield as a Percentage of Test Average from 2012 Conventional Soybean Tests, Table 23.....	23

APPENDIX

Descriptions of Roundup-Resistant Entries, Table 24.....	24
Description of Conventional Entries, Table 25.....	26
Electronic Access, University Research Policy, and Duplication Policy.....	back cover

2012 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 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 21. Relative yields of each entry from all locations are shown in Tables 22 and 23. Test results also can be found online at: <http://www.ksu.edu/kscpt>

DATA INTERPRETATION

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

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

Lodging is rated at maturity by the following scores:

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

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

VARIETY OR BRAND SELECTION

Performance of soybean varieties or brands varies from year to year and from location to location, depending on factors such as weather, management practices, and variety adaptation. When selecting varieties or brands, producers should carefully analyze variety performance for two or more years across locations. Performance averaged over several environments will provide a better estimate of genetic potential and stability than performance based on only 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 2012 Kansas Soybean Performance Tests

**Illinois Ag. Exp. Stn. (AES)
and USDA-ARS**
Champaign-Urbana, IL
217-265-4062
aces.uiuc.edu

G2 Genetics, NuTech
NuTech Seed, LLC
Forest City, IA
641-581-3350
yieldleader.com

NK Brand
Garst Brand Seed
Minnetonka, MN
800-445-0956
garstseed.com

Iowa State University
Ames, IA
515-292-3497

Kruger Seeds
Dike, IA
800-772-2721
krugersseed.com

Ohlde
Ohlde Seed Farms, Inc.
Palmer, KS
785-692-4555

Kansas Ag. Exp. Stn. (AES)
Manhattan, KS
785-532-7243

LG Seeds
Elmwood, IL
309-742-3302
lgseeds.com

Phillips
Phillips Seed Farms, Inc.
Hope, KS
785-949-2204
phillipsseed.com

Advanced Genetics
Delange Seed Company
Girard, KS
620-724-6223
delangeseed.com

Midland
Midland Genetics Group
Ottawa, KS
785-242-3598
midlandgenetics.com

Pioneer
Pioneer Hi-Bred, Intl., Inc.
Lincoln, NE
800-258-5604
pioneer.com

Asgrow
Monsanto
St. Louis, MO
800-768-6387
asgrowanddekalb.com

Morsoy
MFA Incorporated
Columbia, MO
573-876-5363
morsoy.com

Willcross
NeCo Seed Farms, Inc.
Garden City, MO
816-862-8203
willcross.com

Bayer CropScience
Dewitt, AR
870-351-0390
bayer.com

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

Wabash silty clay, pH na, na% OM; P test: na, K test: na
0-0-0 lbs N-P-K fertilizer

Dry and hot conditions, but stand establishment was excellent and vegetative development was good. Drought and heat stress were severe during reproductive development, but plants responded favorably to rainfall the third week of August and yields were fairly good.

Rainfall: April May June July Aug. Sept. Total
 2.1 0.4 3.7 0.8 2.5 2.6 12.0

Planted 5/8/2012 at 7 seeds/ft; harvested 10/16/2012; 11 ft. by 2-row plot; pesticides: Valor XLT preemergence, glyphosate

Table 2. Emmett, Pottawatomie County Dryland Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
G2 GENETICS	7323	32.4	--	--	--	--	93	--	--	9/23	1.0	32
G2 GENETICS	7334	31.7	--	--	--	--	91	--	--	9/18	1.0	30
G2 GENETICS	7342	36.8	53.5	--	45.2	--	106	109	--	9/25	1.0	29
G2 GENETICS	7362	31.7	45.4	--	38.6	--	91	92	--	9/22	1.0	30
G2 GENETICS	7373	34.9	--	--	--	--	100	--	--	9/24	1.0	33
G2 GENETICS	7382	34.4	--	--	--	--	99	--	--	9/24	1.3	32
G2 GENETICS	7390	34.6	56.4	43.9	45.5	45.0	99	115	100	9/26	1.0	28
G2 GENETICS	7393	34.2	--	--	--	--	98	--	--	9/23	1.0	31
LG SEEDS	C3890R2	36.1	--	--	--	--	104	--	--	9/25	1.3	33
LG SEEDS	C3989R2	37.8	--	--	--	--	109	--	--	9/20	1.0	31
MIDLAND	3612NR2	37.5	48.7	--	43.1	--	108	99	--	9/21	1.0	30
MIDLAND	3633NR2	33.1	--	--	--	--	95	--	--	9/23	1.0	32
MIDLAND	3822NRS2	38.1	53.9	--	--	--	109	--	--	9/24	1.0	33
MIDLAND	3842NRR	32.8	51.5	--	42.2	--	94	105	--	9/20	1.0	31
MIDLAND	3850NR2	35.2	49.5	45.2	42.4	43.3	101	101	--	9/23	1.0	30
MIDLAND	3983NR2	36.9	--	--	--	--	106	--	--	9/22	1.3	30
MIDLAND	4153NR2	31.8	--	45.2	--	--	91	--	103	9/28	1.0	25
MIDLAND	4263NRS2	34.3	--	--	--	--	99	--	--	9/29	1.0	34
MIDLAND	4270NR2	35.4	52.7	44.7	44.1	44.3	102	107	102	9/26	1.0	29
MIDLAND	4373NR2	37.4	--	--	--	--	107	--	--	9/29	1.0	27
OHLDE	O-342	31.5	--	--	--	--	91	--	--	9/19	1.0	32
OHLDE	O-362	26.9	47.6	--	37.3	--	77	--	--	9/19	1.0	31
OHLDE	O-363	34.2	--	--	--	--	98	--	--	9/23	1.0	29
OHLDE	O-373	35.8	--	--	--	--	103	--	--	9/19	1.0	32
OHLDE	O-379	34.2	--	--	--	--	98	--	--	9/20	1.0	31
OHLDE	O-382	33.4	52.4	--	42.9	--	96	--	--	9/25	1.0	33
OHLDE	O-383	32.2	--	--	--	--	93	--	--	9/25	1.0	32
OHLDE	O-3921	35.0	51.7	38.8	43.4	41.8	101	105	88	9/23	1.0	30
OHLDE	O-421	36.6	50.4	--	43.5	--	105	--	--	9/25	1.8	32
PHILLIPS	376 NR2YS	37.8	--	--	--	--	109	--	--	9/25	1.0	35
PHILLIPS	388 NR2Y	32.6	--	--	--	--	94	--	--	9/24	1.0	31
PHILLIPS	392 NR2YS	37.6	--	--	--	--	108	--	--	9/27	1.0	33
PHILLIPS	Ex373 NR2Y	37.8	--	--	--	--	109	--	--	9/24	1.0	32
PHILLIPS	Ex389 NR2Y	35.3	--	--	--	--	101	--	--	9/20	1.0	32
PIONEER	94Y01	35.2	--	--	--	--	101	--	--	9/25	1.0	33
WILLCROSS	RY2343N	36.2	--	--	--	--	104	--	--	9/24	1.0	33
WILLCROSS	RY2363N	39.0	--	--	--	--	112	--	--	9/28	1.0	28
WILLCROSS	RY2373N	38.0	--	--	--	--	109	--	--	9/24	1.0	32
WILLCROSS	RY2393N	32.3	51.2	--	41.8	--	93	104	--	9/24	1.0	27
	AVERAGES	34.8	49.1	44.0								
	CV (%)	5.0	7.9	7.1								
	LSD (0.10)	2.1	4.5	3.7								

Values in bold are in the upper LSD group.

J.D. Hanna, Erma Harden Farm, Topeka, Shawnee County; Eric Adee, agronomist

Wabash silty clay loam, pH na, na% OM; P test: na, K test: na Very hot and dry.

0-0-0 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.1	1.5	3.0	1.0	4.3	1.7	13.6

Planted 5/17/2012 at 8 seeds/ft; harvested 10/19/2012; 27.5 ft. by 2-row plot; pesticides: glyphosate 22 oz + Outlook 12 oz + AMS

Table 3. Topeka, Shawnee County Dryland Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
G2 GENETICS	1421	41.5	--	--	--	--	112	--	--	10/6	1.0	24
G2 GENETICS	7362	35.5	71.1	--	53.3	--	96	111	--	10/4	1.0	26
G2 GENETICS	7373	37.6	--	--	--	--	101	--	--	10/4	1.0	28
G2 GENETICS	7382	34.6	61.5	--	48.1	--	93	96	--	10/1	1.0	29
G2 GENETICS	7390	31.3	69.2	38.2	50.3	46.2	84	108	103	10/5	1.0	20
G2 GENETICS	7393	34.6	--	--	--	--	93	--	--	10/2	1.0	26
G2 GENETICS	7420	40.9	55.2	45.6	48.1	47.2	110	86	123	10/3	1.0	28
MIDLAND	3612NR2	35.0	70.8	--	52.9	--	94	111	--	10/2	1.0	24
MIDLAND	3633NR2	39.6	--	--	--	--	107	--	--	9/30	1.0	24
MIDLAND	3850NR2	33.1	70.7	41.8	51.9	48.5	89	110	113	10/5	1.0	22
MIDLAND	3983NR2	37.7	--	--	--	--	102	--	--	10/3	1.0	30
MIDLAND	4153NR2	38.8	--	--	--	--	105	--	--	10/5	1.0	20
MIDLAND	4263NRS2	38.5	--	--	--	--	104	--	--	10/5	1.0	29
MIDLAND	4270NR2	37.4	69.0	38.4	53.2	48.3	101	108	--	10/5	1.0	20
MIDLAND	4373NR2	36.6	--	--	--	--	99	--	104	10/5	1.0	22
MIDLAND	4443NRS2	40.0	--	--	--	--	108	--	--	10/4	1.0	27
MIDLAND	4580RS2	36.6	57.4	--	47.0	--	99	90	--	10/1	1.0	25
MIDLAND	4593NRS2	38.6	--	--	--	--	104	--	--	10/4	1.0	29
OHLDE	O-383	39.0	--	--	--	--	105	--	--	10/5	1.0	24
OHLDE	O-3921	34.4	--	--	--	--	93	--	--	10/6	1.0	23
OHLDE	O-393	36.7	--	--	--	--	99	--	--	10/2	1.0	25
OHLDE	O-421	36.7	--	--	--	--	99	--	--	9/29	1.0	24
OHLDE	O-432	36.8	--	--	--	--	99	--	--	10/4	1.0	23
PHILLIPS	388 NR2Y	37.2	--	--	--	--	100	--	--	10/6	1.0	26
PHILLIPS	392 NR2YS	40.0	--	--	--	--	108	--	--	10/4	1.0	26
PHILLIPS	411 NR2Y	38.8	--	--	--	--	105	--	--	10/5	1.0	27
PHILLIPS	421 NR2Y	38.0	--	--	--	--	102	--	--	10/4	1.0	23
PHILLIPS	433 NR2YS	34.5	--	--	--	--	93	--	--	10/5	1.0	25
PHILLIPS	Ex389 NR2Y	38.0	--	--	--	--	102	--	--	10/2	1.0	26
PIONEER	93Y70	38.6	--	--	--	--	104	--	--	10/5	1.0	28
PIONEER	93Y92	33.0	--	--	--	--	89	--	--	10/3	1.0	26
PIONEER	94Y01	36.0	--	--	--	--	97	--	--	10/5	1.0	26
WILLCROSS	RY2373N	39.7	--	--	--	--	107	--	--	10/4	1.0	25
WILLCROSS	RY2393N	33.6	--	--	--	--	91	--	--	10/2	1.0	25
WILLCROSS	RY2443N	39.3	--	--	--	--	106	--	--	10/5	1.0	25
WILLCROSS	RY2460N	33.6	--	--	--	--	91	--	--	10/1	1.0	24
WILLCROSS	RY2482NS	41.2	67.9	--	54.6	--	111	--	--	10/4	1.0	30
	AVERAGES	37.1	64.0	37.1								
	CV (%)	8.8	12.7	8.7								
	LSD (0.10)	4.5	11.0	4.4								

Values in bold are in the upper LSD group.

Kansas River Valley Experiment Field, Topeka, Shawnee County; Eric Adee, agronomist

Eudora Silt loam, pH 6.41, 1.84% OM; P test: M, K test: VH Very hot and dry.

0-0-0 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.1	1.5	3.0	1.0	4.3	1.7	13.6
Irrigation:			1.8	6.0	5.0		12.75

Planted 5/9/2012 at 8 seeds/ft; harvested 10/3/2012; 27.5 ft. by 2-row plot; pesticides: Authority XL 5 oz + glyphosate 22 oz preemergence; glyphosate 22 oz + Warrant 1.5 qt postemergence

Table 4. Topeka, Shawnee County Irrigated Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
BAYER	HBK R4924	60.5	--	--	--	--	111	--	--	9/27	3.0	55
BAYER	HBK RY4620	56.6	--	--	--	--	104	--	--	9/24	2.3	56
BAYER	HBK RY4721	47.5	--	--	--	--	87	--	--	9/26	3.0	57
BAYER	HBK RY5221	51.9	--	--	--	--	95	--	--	9/30	3.3	56
BAYER	HBK RY5421	68.3	--	--	--	--	126	--	--	10/5	3.7	42
BAYER	HBK RY5521	44.3	--	--	--	--	81	--	--	10/4	2.7	44
G2 GENETICS	1421	59.1	--	--	--	--	109	--	--	9/25	2.3	52
G2 GENETICS	7362	49.4	66.6	--	58.0	--	91	116	--	9/18	2.3	46
G2 GENETICS	7373	63.2	--	48.4	--	--	116	--	97	9/21	3.3	50
G2 GENETICS	7382	51.8	57.1	--	54.5	--	95	100	--	9/19	3.3	49
G2 GENETICS	7390	66.0	61.5	54.7	63.8	60.7	121	107	110	9/22	3.0	49
G2 GENETICS	7393	59.1	--	--	--	--	109	--	--	9/19	2.3	50
G2 GENETICS	7420	66.5	52.7	48.4	59.6	55.9	122	92	97	9/24	3.0	54
MIDLAND	3633NR2	60.3	--	--	--	--	111	--	--	9/18	3.3	49
MIDLAND	3842NRR	40.9	60.0	--	50.5	--	75	105	--	9/22	3.0	48
MIDLAND	3850NR2	49.3	62.3	50.6	55.8	54.1	91	109	102	9/20	2.3	50
MIDLAND	3983NR2	58.3	--	--	--	--	107	--	--	9/24	2.3	50
MIDLAND	4153NR2	50.1	--	--	--	--	92	--	--	9/23	2.0	45
MIDLAND	4263NRS2	48.6	--	50.8	--	--	89	--	102	9/21	1.7	50
MIDLAND	4373NR2	52.6	--	--	--	--	97	--	--	9/24	3.3	50
MIDLAND	4443NRS2	37.7	--	--	--	--	69	--	--	9/25	2.3	45
OHLDE	O-383	41.4	--	--	--	--	76	--	--	9/18	1.3	50
OHLDE	O-3921	68.0	69.0	53.9	68.5	63.6	125	120	108	9/18	3.3	46
OHLDE	O-393	53.2	--	--	--	--	98	--	--	9/21	2.3	49
OHLDE	O-432	68.0	--	--	--	--	125	--	--	9/28	2.3	49
PHILLIPS	388 NR2Y	58.5	--	--	--	--	108	--	--	9/17	1.3	51
PHILLIPS	392 NR2YS	46.4	--	--	--	--	85	--	--	9/22	2.3	49
PHILLIPS	411 NR2Y	70.9	--	--	--	--	130	--	--	9/21	3.0	48
PHILLIPS	421 NR2Y	42.1	--	--	--	--	77	--	--	9/25	3.0	49
PHILLIPS	433 NR2YS	38.6	--	--	--	--	71	--	--	9/20	2.0	45
PHILLIPS	Ex389 NR2Y	65.0	--	--	--	--	119	--	--	9/19	3.7	47
PIONEER	93Y70	62.6	68.2	--	65.4	--	115	119	--	9/19	2.7	52
PIONEER	93Y92	54.9	62.9	--	58.9	--	101	110	--	9/20	1.7	46
PIONEER	94Y01	50.2	--	--	--	--	92	--	--	9/23	3.0	48
WILLCROSS	RY2373N	49.2	--	--	--	--	90	--	--	9/17	3.3	46
WILLCROSS	RY2393N	62.0	--	--	--	--	114	--	--	9/21	3.0	49
WILLCROSS	RY2443N	57.6	--	--	--	--	106	--	--	9/24	1.3	50
WILLCROSS	RY2460N	49.0	61.3	52.3	55.2	54.2	90	--	--	9/25	2.7	45
WILLCROSS	RY2482NS	43.2	60.0	--	51.6	--	79	--	--	9/23	3.0	50
	AVERAGES	54.4	57.3	49.7								
	CV (%)	21.7	12.4	14.0								
	LSD (0.10)	16.0	9.6	9.5								

Values in bold are in the upper LSD group.

East Central Kansas Experiment Field, Ottawa, Franklin County: Eric Adee, agronomist; James Kimball, technician

Woodson silt loam, pH na, na% OM; P test: na, K test: na Fairly good growing conditions early in the summer, but July and August were extremely hot and dry.
0-0-0 lbs N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 0.7 1.6 0.5 1.2 0.6 5.2 9.8

Planted 5/15/2012 at 8 seeds/ft; harvested 10/18/2012; 25 ft. by 2-row plot; pesticides: Authority First preemergence, glyphosate

Table 5. Ottawa, Franklin County Dryland Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG3833S R2Y	22.3	--	--	--	--	95	--	--	10/2	1.0	26
ADVANCED GENETICS	AG4233S R2Y	28.7	--	--	--	--	123	--	--	10/5	1.0	25
ADVANCED GENETICS	AG4533N R2Y	26.4	23.3	--	24.9	--	113	100	--	10/5	1.0	26
ADVANCED GENETICS	AG4700S R2Y	26.5	--	--	--	--	113	--	--	10/9	1.0	24
ADVANCED GENETICS	AG4733S R2Y	29.8	25.1	60.6	27.5	38.5	127	107	113	10/9	1.0	25
ADVANCED GENETICS	AG5133N R2Y	24.9	28.5	--	26.7	--	106	122	--	10/14	1.0	29
G2 GENETICS	1421	30.8	--	--	--	--	132	--	--	10/13	1.0	25
G2 GENETICS	7382	19.1	23.9	--	21.5	--	82	102	--	9/28	1.0	28
G2 GENETICS	7390	25.6	23.4	52.0	24.5	33.7	109	100	97	10/10	1.0	24
G2 GENETICS	7393	21.2	--	--	--	--	91	--	--	10/3	1.0	26
G2 GENETICS	7420	19.5	23.9	55.0	21.7	32.8	83	102	103	10/5	1.0	29
G2 GENETICS	7442	19.3	23.5	--	21.4	--	82	100	--	10/8	1.0	27
G2 GENETICS	7460	21.1	22.9	53.3	22.0	32.4	90	98	99	10/15	1.0	30
MIDLAND	3983NR2	17.7	--	--	--	--	76	--	--	10/2	1.0	27
MIDLAND	4153NR2	25.7	--	--	--	--	110	--	--	10/9	1.0	22
MIDLAND	4263NRS2	21.8	--	--	--	--	93	--	--	10/9	1.0	28
MIDLAND	4270NR2	28.8	23.3	52.8	26.1	35.0	123	100	--	10/10	1.0	24
MIDLAND	4373NR2	28.5	--	--	--	--	122	--	99	10/10	1.0	25
MIDLAND	4443NRS2	27.7	--	--	--	--	118	--	--	10/13	1.0	26
MIDLAND	4580RS2	25.4	21.1	61.0	23.3	35.8	109	90	114	10/11	1.0	24
MIDLAND	4593NRS2	22.4	--	--	--	--	96	--	--	10/10	1.0	27
MIDLAND	4703NR2	17.4	--	--	--	--	74	--	--	10/9	1.0	29
MIDLAND	4792RS2	26.7	22.7	--	24.7	--	114	97	--	10/12	1.0	26
MIDLAND	4813NRS2	15.8	--	--	--	--	68	--	--	10/10	1.0	30
MORSOY	R2 46X71N	21.1	24.4	--	22.8	--	90	104	--	10/12	1.0	27
MORSOY	R2 51X31N	26.3	24.3	--	25.3	--	112	104	--	10/12	1.0	29
MORSOY	R2 51X52N	21.3	--	--	--	--	91	--	--	10/13	1.0	29
MORSOY	R2S 47X12N	24.5	--	--	--	--	105	--	--	10/13	1.0	30
MORSOY	R2S 48X10	27.3	23.8	59.3	25.6	36.8	117	102	111	10/10	1.0	25
PIONEER	93Y70	21.6	--	--	--	--	92	--	--	10/4	1.0	27
PIONEER	93Y92	18.0	--	--	--	--	77	--	--	10/2	1.0	27
PIONEER	94Y01	21.7	--	--	--	--	93	--	--	10/4	1.0	27
WILLCROSS	RY2373N	18.3	--	--	--	--	78	--	--	9/26	1.0	25
WILLCROSS	RY2393N	20.1	--	--	--	--	86	--	--	9/25	1.0	25
WILLCROSS	RY2443N	26.0	--	--	--	--	111	--	--	10/6	1.0	26
WILLCROSS	RY2460N	30.8	24.8	60.2	27.8	38.6	132	--	--	10/8	1.0	25
WILLCROSS	RY2482NS	15.2	27.6	--	21.4	--	65	--	--	10/11	1.0	28
	AVERAGES	23.4	23.4	53.6								
	CV (%)	17.3	14.6	6.6								
	LSD (0.10)	4.7	4.0	3.9								

Values in bold are in the upper LSD group.

Southeast Agricultural Research Center, Parsons, Labette County; Kelly Kusel, technician

Parsons Silt Loam, pH 6.1, 2.8% OM; P test: M, K test: H Hot and dry through first half of season. Insect problems for much of season. Unable to take maturities at Parsons because frost on Oct. 6, 7, 8
 0-0-0 lbs N-P-K fertilizer that killed top of plants but not the bottoms. No tests at Parsons
 Rainfall: April 1.7 May 2.1 June 1.4 July 0.7 Aug. 3.3 Sept. 3.3 Total 12.5 had shown any sign of maturity at this point. Freeze on Oct. 26, 27, 28
 finished plants for harvest. Yields were unexpectedly good.
 Planted 6/6/2012 at 7 seeds/ft; harvested 11/3/2012; 14 ft. by 2-row plot; pesticides: 1.5 pt Boundary preemergence, 1 qt glyphosate

Table 6. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups III-IV, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ASGROW	AG4382	40.2	--	--	--	--	104	--	--	--	1.3	28
ASGROW	AG4533	41.9	--	--	--	--	108	--	--	--	1.0	27
BAYER	HBK RY4620	38.3	--	--	--	--	99	--	--	--	1.0	22
G2 GENETICS	7442	35.5	--	--	--	--	92	--	--	--	1.0	26
G2 GENETICS	7460	40.8	--	--	--	--	105	--	--	--	1.0	29
MIDLAND	4270NR2	37.6	--	--	--	--	97	--	--	--	1.0	21
MIDLAND	4373NR2	38.5	--	34.8	--	--	99	--	101	--	1.0	21
MIDLAND	4443NRS2	37.5	--	--	--	--	97	--	--	--	1.0	23
MIDLAND	4580RS2	42.2	18.9	40.0	30.6	33.7	109	111	116	--	1.0	22
MIDLAND	4593NRS2	40.1	--	--	--	--	104	--	--	--	1.0	26
PIONEER	93Y92	37.3	--	--	--	--	96	--	--	--	1.0	26
PIONEER	94Y01	34.6	--	--	--	--	89	--	--	--	1.0	26
	AVERAGES	38.7	17.0	34.4								
	CV (%)	5.6	16.6	9.2								
	LSD (0.10)	2.6	3.4	3.7								

Values in bold are in the upper LSD group.

Southeast Agricultural Research Center, Parsons, Labette County; Kelly Kusel, technician

Parsons Silt Loam, pH 6.1, 2.8% OM; P test: M, K test: H Hot and dry through first half of season. Insect problems for much of season. Unable to take maturities at Parsons because frost on Oct. 6, 7, 8
 0-0-0 lbs N-P-K fertilizer that killed top of plants but not the bottoms. No tests at Parsons
 Rainfall: April 1.7 May 2.1 June 1.4 July 0.7 Aug. 3.3 Sept. 3.3 Total 12.5 had shown any sign of maturity at this point. Freeze on Oct. 26, 27, 28
 finished plants for harvest. Yields were unexpectedly good.
 Planted 6/6/2012 at 7 seeds/ft; harvested 11/3/2012; 14 ft. by 2-row plot; pesticides: 1.5 pt Boundary preemergence, 1 qt glyphosate

Table 7. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups IV-V, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4700S R2Y	38.0	--	--	--	--	95	--	--	--	1.0	22
ADVANCED GENETICS	AG4733S R2Y	42.9	--	--	--	--	108	--	--	--	1.0	21
ADVANCED GENETICS	AG5133N R2Y	35.4	10.5	--	23.0	--	89	85	--	--	2.0	31
ASGROW	AG4730	38.4	--	--	--	--	96	--	--	--	1.0	23
ASGROW	AG4831	40.5	--	--	--	--	102	--	--	--	1.0	25
ASGROW	AG4831	40.6	--	--	--	--	102	--	--	--	1.0	25
ASGROW	AG5233	39.3	--	--	--	--	99	--	--	--	1.0	21
ASGROW	AG5503	40.4	14.7	--	27.6	--	101	119	--	--	1.0	30
ASGROW	AG5533	42.6	--	--	--	--	107	--	--	--	3.0	33
ASGROW	AG5605	43.3	17.5	37.8	30.4	32.9	109	141	112	--	1.0	28
ASGROW	AG5632	41.3	--	--	--	--	104	--	--	--	1.0	30
ASGROW	AG5633	41.1	--	--	--	--	103	--	--	--	1.0	28
BAYER	HBK R4924	40.6	--	--	--	--	102	--	--	--	1.0	31
BAYER	HBK RY4721	42.1	--	--	--	--	106	--	--	--	1.0	31
BAYER	HBK RY5221	39.4	--	--	--	--	99	--	--	--	1.8	32
BAYER	HBK RY5421	39.9	--	--	--	--	100	--	--	--	1.0	26
BAYER	HBK RY5521	44.2	--	--	--	--	111	--	--	--	1.0	31
CHANNEL	5805R2	42.7	--	--	--	--	107	--	--	--	1.8	34
G2 GENETICS	1491	38.8	--	--	--	--	97	--	--	--	1.0	32
KANSAS AES	K04-3083RR	38.4	10.0	35.9	24.2	28.1	96	81	107	--	1.0	29
KANSAS AES	KS5507NRR	40.2	16.6	33.8	28.4	30.2	101	134	100	--	1.0	29
MIDLAND	4703NR2	41.2	--	--	--	--	103	--	--	--	1.3	28
MIDLAND	4792RS2	43.2	12.6	--	27.9	--	108	102	--	--	1.0	25

Table 7 continued. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups IV-V, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
MIDLAND	5182NR2	33.3	12.2	--	22.8	--	83	98	--	--	2.0	31
MORSOY	R2 51X31N	39.7	14.5	--	27.1	--	100	117	--	--	1.5	29
MORSOY	R2 51X52N	38.3	--	--	--	--	96	--	--	--	1.5	30
MORSOY	R2 53X82N	39.8	--	--	--	--	100	--	--	--	1.5	31
MORSOY	R2 54X42N	40.9	--	--	--	--	103	--	--	--	1.5	31
MORSOY	R2 55X62N	40.8	--	--	--	--	102	--	--	--	2.3	35
MORSOY	R2S 48X10	41.9	11.4	34.8	26.7	29.4	105	92	103	--	1.0	23
MORSOY	R2S 56X02N	41.5	--	--	--	--	104	--	--	--	1.0	30
NK	S52-F2 Brand	40.7	17.6	38.3	29.2	32.2	102	142	114	--	1.5	30
PIONEER	94Y70	37.9	--	--	--	--	95	--	--	--	1.0	30
PIONEER	94Y80	41.1	--	--	--	--	103	--	--	--	1.0	28
PIONEER	95Y10	41.9	--	--	--	--	105	--	--	--	1.0	28
PIONEER	95Y40	37.7	--	37.9	--	--	94	--	112	--	1.0	32
WILLCROSS	RR2544NS	38.6	14.5	36.3	26.6	29.8	97	--	--	--	1.0	28
WILLCROSS	RY2523N	35.6	--	--	--	--	89	--	--	--	1.0	30
WILLCROSS	RY2533N	37.1	--	--	--	--	93	--	--	--	1.0	30
WILLCROSS	RY2543N	38.5	--	--	--	--	96	--	--	--	1.3	31
	AVERAGES	39.9	12.4	33.7								
	CV (%)	6.6	14.8	9.6								
	LSD (0.10)	3.1	2.2	4.0								

Values in bold are in the upper LSD group.

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

Parsons Silt Loam, pH na, na% OM; P test: na, K test: na
0-0-0 lbs N-P-K fertilizer

Dry and hot conditions, but stand establishment excellent and vegetative development good. Drought and heat stress were severe during reproductive development, but plants responded favorably to rainfall the third week of August and yields were fairly good.

April May June July Aug. Sept. Total

Rainfall: 9.6 2.9 1.1 0.4 4.1 4.8 22.9

Planted 6/13/2012 at 7 seeds/ft; harvested 11/6/2012; 15 ft. by 2-row plot; pesticides: glyphosate

Table 8. Pittsburg, Cherokee County No-Till Double-Cropped Soybean Performance Test, Maturity Groups IV-V, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ASGROW	AG4382	46.4	--	--	--	--	113	--	--	10/18	1.0	33
ASGROW	AG4533	43.9	--	--	--	--	107	--	--	10/20	1.0	32
ASGROW	AG4730	36.1	--	--	--	--	88	--	--	10/18	1.3	27
ASGROW	AG4831	34.4	--	--	--	--	84	--	--	10/20	1.0	28
ASGROW	AG5233	43.8	--	--	--	--	107	--	--	10/15	1.0	26
ASGROW	AG5533	42.4	--	--	--	--	103	--	--	10/26	3.0	36
ASGROW	AG5633	35.7	--	--	--	--	87	--	--	10/24	1.0	33
KANSAS AES	K04-3083RR	46.2	18.8	51.6	32.5	38.9	112	131	112	10/18	1.0	34
KANSAS AES	KS5507NRR	41.0	17.8	48.5	29.4	35.8	100	124	105	10/26	1.0	33
PHILLIPS	433 NR2YS	38.0	--	--	--	--	92	--	--	10/14	1.0	27
PHILLIPS	454 NR2YS	32.7	--	--	--	--	80	--	--	10/20	1.0	23
PHILLIPS	499 NR2YS	48.9	--	--	--	--	119	--	--	10/20	1.0	30
PHILLIPS	Ex455 NR2YS	42.8	--	--	--	--	104	--	--	10/17	1.0	28
PIONEER	94Y70	45.4	--	--	--	--	110	--	--	10/16	1.0	33
PIONEER	94Y80	37.7	--	42.1	--	--	92	--	92	10/17	1.5	33
PIONEER	95Y10	41.9	--	--	--	--	102	--	--	10/25	1.0	32
PIONEER	95Y40	43.2	--	--	--	--	105	--	--	10/21	1.0	34
WILLCROSS	RR2544NS	40.6	15.6	53.4	28.1	36.5	99	--	--	10/21	1.3	33
WILLCROSS	RY2482NS	44.7	13.8	--	29.3	--	109	--	--	10/18	1.0	35
WILLCROSS	RY2523N	32.4	--	--	--	--	79	--	--	10/18	1.0	29
WILLCROSS	RY2533N	43.7	--	--	--	--	106	--	--	10/24	1.5	34
WILLCROSS	RY2543N	41.9	--	--	--	--	102	--	--	10/19	1.0	34
	AVERAGES	41.1	14.4	46.0								
	CV (%)	8.8	18.7	9.1								
	LSD (0.10)	4.3	3.2	5.0								

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

Cherokee silt loam, pH na, na% OM; P test: na, K test: na
 0-0-0 lbs N-P-K fertilizer

Dry and hot conditions, but plots were irrigated from mid-to-late pod-fill.
 Insect problems in early August required an insecticide application.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	7.4	5.0	2.0	0.8	4.1	5.1	24.4
Irrigation:					2.8	3.9	6.70

Planted 6/12/2012 at 7 seeds/ft; harvested 11/1/2012; 11 ft. by 2-row plot; pesticides: Authority First 84 oz, glyphosate

Table 9. McCune, Crawford County Irrigated Soybean Performance Test, Maturity Groups III-IV, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ASGROW	AG4382	54.6	--	--	--	--	105	--	--	10/12	1.0	40
ASGROW	AG4533	51.4	--	--	--	--	98	--	--	10/11	1.0	38
BAYER	HBK RY4620	54.3	--	--	--	--	104	--	--	10/12	1.0	34
G2 GENETICS	1421	51.1	--	--	--	--	98	--	--	10/7	1.0	29
G2 GENETICS	7420	49.5	--	--	--	--	95	--	--	10/4	1.0	36
G2 GENETICS	7442	50.9	--	--	--	--	98	--	--	10/5	1.0	32
G2 GENETICS	7460	50.0	--	--	--	--	96	--	--	10/11	1.0	36
MIDLAND	4270NR2	49.7	--	--	--	--	95	--	--	10/6	1.0	32
MIDLAND	4373NR2	57.4	--	--	--	--	110	--	--	10/6	1.0	31
MIDLAND	4443NRS2	53.1	--	--	--	--	102	--	--	10/10	1.0	31
MIDLAND	4580RS2	53.1	28.7	34.6	40.9	38.8	102	109	101	10/7	1.0	31
MIDLAND	4593NRS2	58.2	--	--	--	--	111	--	--	10/10	1.0	36
PIONEER	93Y70	50.1	--	--	--	--	96	--	--	9/28	1.0	35
PIONEER	93Y92	47.6	--	--	--	--	91	--	--	10/2	1.0	38
PIONEER	94Y01	51.9	--	--	--	--	99	--	--	10/3	1.3	37
	AVERAGES	52.2	26.4	34.1								
	CV (%)	9.2	4.2	6.4								
	LSD (0.10)	5.7	1.4	2.6								

Values in bold are in the upper LSD group.

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

Cherokee silt loam, pH na, na% OM; P test: na, K test: na
 0-0-0 lbs N-P-K fertilizer

Dry and hot conditions, but plots were irrigated from mid-to-late pod-fill.
 Insect problems in early August required an insecticide application.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	7.4	5.0	2.0	0.8	4.1	5.1	24.4
Irrigation:					2.8	3.9	6.70

Planted 6/12/2012 at 7 seeds/ft; harvested 11/1/2012; 11 ft. by 2-row plot; pesticides: Authority First 84 oz, glyphosate

Table 10. McCune, Crawford County Irrigated Soybean Performance Test, Maturity Groups IV-V, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4700S R2Y	58.2	--	--	--	--	107	--	--	10/11	1.0	37
ADVANCED GENETICS	AG4733S R2Y	60.5	--	--	--	--	111	--	--	10/8	1.0	34
ADVANCED GENETICS	AG5133N R2Y	50.4	--	--	--	--	92	--	--	10/15	1.8	42
ASGROW	AG4730	58.8	--	--	--	--	108	--	--	10/10	1.0	34
ASGROW	AG4831	57.1	--	--	--	--	105	--	--	10/12	1.0	38
ASGROW	AG5233	57.1	--	--	--	--	105	--	--	10/11	1.0	33
ASGROW	AG5533	50.4	--	--	--	--	92	--	--	10/15	1.8	43
ASGROW	AG5633	50.4	--	--	--	--	92	--	--	10/16	1.0	37
BAYER	HBK R4924	54.5	--	--	--	--	100	--	--	10/12	1.3	44
BAYER	HBK RY4721	56.5	--	--	--	--	104	--	--	10/12	1.0	43

Table 10 continued. McCune, Crawford County Irrigated Soybean Performance Test, Maturity Groups IV-V, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
BAYER	HBK RY5221	55.3	--	--	--	--	101	--	--	10/10	1.5	43
BAYER	HBK RY5421	49.8	--	--	--	--	91	--	--	10/16	1.0	32
BAYER	HBK RY5521	49.2	--	--	--	--	90	--	--	10/16	1.5	38
G2 GENETICS	1491	52.1	--	--	--	--	96	--	--	10/10	1.5	45
KANSAS AES	K04-3083RR	57.1	34.2	36.9	45.7	42.7	105	118	101	10/11	1.0	43
KANSAS AES	KS5507NRR	49.4	30.5	37.6	40.0	39.2	91	105	102	10/16	1.0	34
MIDLAND	4703NR2	59.4	--	--	--	--	109	--	--	10/9	1.0	40
MIDLAND	4792RS2	61.1	18.4	--	39.8	--	112	63	--	10/11	1.0	38
MIDLAND	4813NRS2	53.9	--	--	--	--	99	--	--	10/9	1.0	44
MIDLAND	5182NR2	49.8	30.3	--	40.1	--	91	104	--	10/15	1.8	44
PIONEER	94Y70	56.2	--	--	--	--	103	--	--	10/9	1.0	41
PIONEER	94Y80	56.5	--	--	--	--	104	--	--	10/10	1.3	41
PIONEER	95Y10	54.5	--	--	--	--	100	--	--	10/13	1.0	41
PIONEER	95Y40	57.4	--	--	--	--	105	--	--	10/11	1.0	42
WILLCROSS	RR2544NS	52.4	29.4	47.7	40.9	41.0	96	--	--	10/15	1.5	38
WILLCROSS	RY2523N	53.9	--	--	--	--	99	--	--	10/10	1.0	42
WILLCROSS	RY2533N	50.1	--	--	--	--	92	--	--	10/16	1.3	40
WILLCROSS	RY2543N	53.3	--	--	--	--	98	--	--	10/13	1.3	42
	AVERAGES	54.5	29.0	36.7								
	CV (%)	5.9	7.6	6.0								
	LSD (0.10)	3.8	2.6	2.6								

Values in bold are in the upper LSD group.

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

Lanton Silt Loam, pH 5.9, 3.1% OM; P test: H, K test: VH

0-0-0 lbs N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 2.7 2.6 1.1 0.4 3.2 5.7 15.7

Hot and dry through first half of season. Frost on Oct. 6, 7, 8 killed most plants that were not finished. Maturities were estimated on latest varieties. Yield were excellent given the conditions. Lodging rating done on 1-5 scale in data collection book. Some shattering present.

Planted 5/21/2012 at 9 seeds/ft; harvested 10/24/2012; 14 ft. by 2-row plot; pesticides: 1.5 pt Boundary preemergence, 1.5 pt Storm + 1/3 oz Classic 6-14-12, 1.5 qt glyphosate, 1/3 oz Classic

Table 11. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups III-IV, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4533N R2Y	42.5	--	--	--	--	96	--	--	9/26	1.0	44
ASGROW	AG4382	50.1	--	--	--	--	114	--	--	9/30	1.3	46
ASGROW	AG4533	45.9	--	--	--	--	104	--	--	9/30	1.0	47
BAYER	HBK RY4620	53.5	--	--	--	--	121	--	--	9/30	1.3	40
G2 GENETICS	1421	46.3	--	--	--	--	105	--	--	9/25	1.0	41
G2 GENETICS	7420	36.8	--	--	--	--	83	--	--	9/24	1.5	47
G2 GENETICS	7442	39.6	--	--	--	--	90	--	--	9/25	1.0	42
G2 GENETICS	7460	43.3	--	--	--	--	98	--	--	9/30	1.3	47
MIDLAND	4263NRS2	40.2	--	--	--	--	91	--	--	9/26	1.0	43
MIDLAND	4270NR2	44.1	33.4	--	38.8	--	100	91	--	9/26	1.0	41
MIDLAND	4373NR2	46.7	--	--	--	--	106	--	--	9/24	1.0	42
MIDLAND	4443NRS2	46.3	--	--	--	--	105	--	--	9/28	1.0	40
MIDLAND	4580RS2	51.6	39.7	61.5	45.7	50.9	117	108	103	9/29	1.0	39
MIDLAND	4593NRS2	43.2	--	--	--	--	98	--	--	9/29	1.0	45
PIONEER	93Y70	40.5	--	--	--	--	92	--	--	9/15	1.0	46
PIONEER	93Y92	39.4	--	--	--	--	89	--	--	9/16	1.0	45
PIONEER	94Y01	39.5	--	--	--	--	90	--	--	9/22	1.0	46
	AVERAGES	44.1	36.7	60.0								
	CV (%)	8.5	4.6	6.9								
	LSD (0.10)	4.4	2.0	4.9								

Values in bold are in the upper LSD group.

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

Lanton Silt Loam, pH 5.9, 3.1% OM; P test: H, K test: VH Hot and dry through first half of season. Frost on Oct 6, 7, 8 killed most plants that were not finished. Maturities were estimated on latest varieties. Yield was excellent given the conditions.

0-0-0 lbs N-P-K fertilizer
 Rainfall: April 2.7 May 2.6 June 1.1 July 0.4 Aug. 3.2 Sept. 5.7 Total 15.7

Planted 5/21/2012 at 8 seeds/ft; harvested 10/24/2012; 14 ft. by 2-row plot; pesticides: 1.5 pt Boundary preemergence, 1.5 pt Storm + 1/3 oz Classic, 1.5 qt glyphosate, 1/3 oz Classic

Table 12. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups IV-V, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4700S R2Y	44.5	--	--	--	--	94	--	--	9/30	1.0	38
ADVANCED GENETICS	AG4733S R2Y	47.1	--	--	--	--	100	--	--	9/28	1.0	36
ASGROW	AG4730	43.8	--	--	--	--	93	--	--	9/28	1.0	36
ASGROW	AG4831	53.6	--	--	--	--	113	--	--	10/6	1.0	40
ASGROW	AG5233	53.8	--	--	--	--	114	--	--	10/2	1.0	33
ASGROW	AG5533	51.8	--	--	--	--	110	--	--	10/13	2.8	49
ASGROW	AG5633	53.1	--	--	--	--	112	--	--	10/13	2.3	41
BAYER	HBK R4924	47.9	--	--	--	--	101	--	--	10/5	1.0	47
BAYER	HBK RY4721	44.7	--	--	--	--	95	--	--	10/3	1.0	46
BAYER	HBK RY5221	47.6	--	--	--	--	101	--	--	10/5	2.0	49
BAYER	HBK RY5421	52.1	--	--	--	--	110	--	--	10/11	2.3	36
BAYER	HBK RY5521	49.9	--	--	--	--	106	--	--	10/13	2.0	42
G2 GENETICS	1491	34.7	--	--	--	--	73	--	--	9/30	2.5	47
KANSAS AES	K04-3083RR	47.2	43.1	54.8	45.2	48.4	100	101	98	10/10	1.3	43
KANSAS AES	KS5507NRR	53.4	42.8	49.2	48.1	48.5	113	101	88	10/13	1.8	37
MIDLAND	4703NR2	42.1	--	--	--	--	89	--	--	10/3	1.0	44
MIDLAND	4792RS2	48.0	44.0	--	46.0	--	101	104	--	10/1	1.0	38
MIDLAND	4813NRS2	41.2	--	--	--	--	87	--	--	10/1	1.0	44
MIDLAND	5182NR2	45.2	--	--	--	--	96	--	--	10/12	1.0	49
PIONEER	94Y70	42.7	--	--	--	--	90	--	--	9/29	1.0	44
PIONEER	94Y80	48.1	--	--	--	--	102	--	--	9/30	1.0	42
PIONEER	95Y10	48.3	--	--	--	--	102	--	--	10/10	1.0	41
PIONEER	95Y40	46.4	--	--	--	--	98	--	--	10/5	1.0	46
	AVERAGES	47.3	42.5	55.9								
	CV (%)	7.7	7.5	9.3								
	LSD (0.10)	4.3	3.8	6.3								

Values in bold are in the upper LSD group.

North Central Experiment Field, Scandia, Republic County; Randall Nelson, agronomist

Crete silt loam, pH 5.8, na% OM; P test: VL, K test: VH Spring: warm, relatively normal precipitation; Summer: abnormally hot and dry. No insects or disease pressures.

0-0-0 lbs N-P-K fertilizer
 Rainfall: April 2.9 May 0.2 June 3.2 July 2.2 Aug. 2.4 Sept. 2.0 Total 12.9
 Irrigation: 4.0 6.0 10.0

Planted 5/18/2012 at 9 seeds/ft; harvested 10/16/2012; 26 ft. by 2-row plot; pesticides: glyphosate

Table 13. Scandia, Republic County Irrigated Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ASGROW	AG3432	83.5	72.7	--	78.1	--	111	119	--	9/23	3.3	47
ASGROW	AG3533	72.1	--	--	--	--	96	--	--	9/23	2.0	49
ASGROW	AG3731	84.0	63.1	55.4	73.6	67.5	111	103	98	9/25	2.7	49
ASGROW	AG3832	72.1	--	--	--	--	96	--	--	9/25	2.7	45
ASGROW	AG3833	69.7	--	--	--	--	92	--	--	9/26	2.3	48
G2 GENETICS	7323	69.8	--	--	--	--	92	--	--	9/22	2.7	47
G2 GENETICS	7334	70.0	--	--	--	--	93	--	--	9/22	2.7	49
G2 GENETICS	7342	80.5	63.7	--	72.1	--	107	104	--	9/24	2.7	44
G2 GENETICS	7362	78.1	--	--	--	--	103	--	--	9/26	2.7	49
G2 GENETICS	7373	75.4	64.8	64.2	70.1	68.1	100	106	114	9/26	3.7	49

Table 13 continued. Scandia, Republic County Irrigated Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
G2 GENETICS	7382	70.8	56.8	--	63.8	--	94	93	--	9/25	3.3	48
G2 GENETICS	7390	78.2	63.2	60.2	70.7	67.2	104	103	107	9/29	3.0	46
G2 GENETICS	7393	77.6	--	--	--	--	103	--	--	9/29	2.7	45
Kruger	K2-3402	75.0	--	--	--	--	99	--	--	9/19	1.7	46
Kruger	K2-3701	76.9	--	--	--	--	102	--	--	9/25	2.0	48
Kruger	K2-3802	71.0	--	--	--	--	94	--	--	9/26	2.3	48
Kruger	K2-3803	82.0	--	--	--	--	109	--	--	9/26	1.0	49
Kruger	K2-3804	72.0	--	--	--	--	95	--	--	9/29	2.0	51
Kruger	K2-3902	73.7	--	--	--	--	98	--	--	9/27	2.7	48
Kruger	K2-4102	70.2	--	--	--	--	93	--	--	9/30	3.0	48
Kruger	K2-4202	70.6	--	--	--	--	94	--	--	9/30	2.7	54
Kruger	K2-4303	77.3	--	--	--	--	102	--	--	9/29	2.3	44
LG SEEDS	C3220R2	75.6	--	--	--	--	100	--	--	9/24	2.3	47
LG SEEDS	C3399R2	77.6	--	--	--	--	103	--	--	9/23	2.7	46
LG SEEDS	C3890R2	78.1	--	--	--	--	103	--	--	9/26	2.0	47
LG SEEDS	C3989R2	80.2	--	--	--	--	106	--	--	9/26	3.0	51
MIDLAND	3423NR2	77.0	--	--	--	--	102	--	--	9/20	2.0	46
MIDLAND	3612NR2	75.8	63.3	--	69.6	--	100	103	--	9/23	1.7	47
MIDLAND	3633NR2	79.0	--	--	--	--	105	--	--	9/23	2.3	50
MIDLAND	3822NRS2	72.5	62.9	--	67.7	--	96	--	--	9/25	1.7	49
MIDLAND	3842NRR	77.4	62.3	--	69.9	--	103	102	--	9/30	2.7	46
MIDLAND	3850NR2	75.1	54.5	57.4	64.8	69.5	99	89	--	9/28	3.3	51
MIDLAND	3983NR2	74.4	--	--	--	--	99	--	--	9/26	3.0	49
MIDLAND	4153NR2	67.9	--	--	--	--	90	--	102	9/27	3.0	40
NK	S34-N3 Brand	76.7	--	--	--	--	102	--	--	9/24	2.3	48
NK	S36-B6 Brand	77.0	72.3	61.2	74.7	70.2	102	118	--	9/25	2.3	49
NK	S36-M8	70.3	--	--	--	--	93	--	--	9/24	3.3	40
NK	S37-B1	76.2	--	--	--	--	101	--	--	9/26	2.7	42
NK	S39-U2 Brand	81.9	67.8	--	74.9	--	108	111	--	9/29	3.3	45
OHLDE	O-342	69.3	--	--	--	--	92	--	--	9/23	2.7	49
OHLDE	O-362	80.4	68.2	--	74.3	--	106	--	--	9/23	3.3	47
OHLDE	O-363	77.7	--	--	--	--	103	--	--	9/25	2.0	42
OHLDE	O-383	79.5	--	--	--	--	105	--	--	9/26	1.0	48
OHLDE	O-3921	74.9	67.4	61.6	71.2	68.0	99	110	109	9/29	3.3	44
OHLDE	O-393	75.5	--	--	--	--	100	--	--	9/30	2.7	46
PHILLIPS	365 NR2Y	67.4	--	--	--	--	89	--	--	9/24	3.0	48
PHILLIPS	366 NR2Y	72.5	--	--	--	--	96	--	--	9/23	1.7	43
PHILLIPS	376 NR2YS	73.0	--	--	--	--	97	--	--	9/29	2.0	46
PHILLIPS	433 NR2YS	68.1	--	--	--	--	90	--	--	9/29	2.7	44
PHILLIPS	Ex373 NR2Y	78.3	--	--	--	--	104	--	--	9/24	3.0	46
PHILLIPS	Ex389 NR2Y	76.6	--	--	--	--	101	--	--	9/23	3.3	45
PIONEER	93Y70	80.1	62.1	--	71.1	--	106	101	--	9/25	2.7	49
PIONEER	93Y92	83.5	64.4	--	74.0	--	111	105	--	9/30	2.7	47
PIONEER	94Y01	74.2	--	--	--	--	98	--	--	9/30	3.7	53
WILLCROSS	RY2343N	79.8	--	--	--	--	106	--	--	9/25	3.0	47
WILLCROSS	RY2363N	76.3	--	--	--	--	101	--	--	9/26	3.0	46
WILLCROSS	RY2373N	79.4	--	--	--	--	105	--	--	9/23	3.3	47
WILLCROSS	RY2393N	72.4	60.6	--	66.5	--	96	99	--	9/27	2.7	47
	AVERAGES	75.5	61.2	56.5								
	CV (%)	5.5	8.0	10.6								
	LSD (0.10)	5.6	6.6	7.6								

Values in bold are in the upper LSD group.

North Central Kansas Experiment Field, Belleville, Republic County; Randall Nelson, agronomist

Crete silt loam, pH 5.8, na% OM; P test: VL, K test: VH

Spring: warm, relatively normal precipitation;

0-0-0 lbs N-P-K fertilizer

Summer: abnormally hot and dry. No insects or disease pressures.

April May June July Aug. Sept. Total

Rainfall: 2.9 0.2 3.2 2.2 2.4 2.0 12.9

Planted 5/23/2012 at 9 seeds/ft; harvested 10/8/2012; 25 ft. by 2-row plot; pesticides: glyphosate

Table 14. Belleville, Republic County Dryland Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ASGROW	AG3130	49.1	65.0	62.1	57.1	58.7	98	97	112	9/17	1.0	29
ASGROW	AG3432	46.4	78.9	--	62.7	--	92	118	--	9/18	1.0	29
ASGROW	AG3731	55.9	73.9	64.1	64.9	64.6	111	110	116	9/26	1.0	31
ASGROW	AG3832	51.5	--	--	--	--	102	--	--	9/28	1.0	29
ASGROW	AG3833	45.2	--	--	--	--	90	--	--	9/24	1.0	27
G2 GENETICS	7323	47.5	--	--	--	--	94	--	--	9/21	1.0	27
G2 GENETICS	7334	45.9	--	--	--	--	91	--	--	9/21	1.0	28
G2 GENETICS	7342	58.6	69.7	--	64.2	--	117	104	--	9/26	1.0	28
G2 GENETICS	7362	50.1	--	--	--	--	100	--	--	9/28	1.3	33
G2 GENETICS	7373	44.3	--	--	--	--	88	--	--	9/28	1.0	33
G2 GENETICS	7382	50.9	63.8	--	57.4	--	101	95	--	9/28	1.0	32
G2 GENETICS	7390	51.5	69.6	59.9	60.6	60.3	102	104	108	9/29	1.0	31
G2 GENETICS	7393	43.5	--	--	--	--	86	--	--	9/29	1.0	30
Kruger	K2-3402	54.2	--	--	--	--	108	--	--	9/21	1.0	31
Kruger	K2-3701	53.2	--	--	--	--	106	--	--	9/24	1.0	34
Kruger	K2-3802	51.4	--	--	--	--	102	--	--	9/26	1.0	31
Kruger	K2-3803	51.8	--	--	--	--	103	--	--	9/23	1.0	29
Kruger	K2-3804	48.5	--	--	--	--	96	--	--	9/25	1.0	30
Kruger	K2-3902	44.6	--	--	--	--	89	--	--	9/28	1.0	31
Kruger	K2-4102	61.6	--	--	--	--	122	--	--	10/1	1.3	32
Kruger	K2-4202	52.2	--	--	--	--	104	--	--	10/1	1.3	36
Kruger	K2-4303	59.8	--	--	--	--	119	--	--	9/25	1.0	28
LG SEEDS	C3399R2	50.2	--	--	--	--	100	--	--	9/18	1.3	32
LG SEEDS	C3666R2	53.1	--	--	--	--	106	--	--	9/18	1.0	28
MIDLAND	3423NR2	46.0	--	--	--	--	91	--	--	9/18	1.0	29
MIDLAND	3612NR2	52.7	74.9	--	63.8	--	105	112	--	9/23	1.0	24
MIDLAND	3633NR2	49.0	--	--	--	--	97	--	--	9/21	1.0	30
MIDLAND	3822NRS2	50.2	--	--	--	--	100	--	--	9/29	1.0	32
MIDLAND	3842NRR	56.0	75.3	--	65.7	--	111	113	--	9/28	1.0	29
MIDLAND	3850NR2	50.6	64.1	49.2	57.4	54.6	101	96	--	9/28	1.3	31
MIDLAND	3983NR2	46.7	--	--	--	--	93	--	--	9/26	1.0	32
MIDLAND	4153NR2	47.6	--	--	--	--	95	--	89	9/27	1.0	27
NK	S30-E9	51.7	--	--	--	--	103	--	--	9/20	1.0	31
NK	S34-N3 Brand	47.6	62.7	--	55.2	--	95	94	--	9/19	1.0	32
NK	S36-B6 Brand	56.3	67.1	61.0	61.7	57.4	112	100	--	9/26	1.0	30
NK	S36-M8	50.9	--	--	--	--	101	--	--	9/26	1.0	27
NK	S39-U2 Brand	48.4	--	--	--	--	96	--	--	9/24	1.0	30
OHLDE	O-332	46.6	67.7	56.9	57.2	61.5	93	101	103	9/22	1.0	28
OHLDE	O-342	42.3	--	--	--	--	84	--	--	9/17	1.0	29
OHLDE	O-362	47.6	72.7	--	60.2	--	95	--	--	9/24	1.0	32
OHLDE	O-363	54.7	--	--	--	--	109	--	--	9/29	1.0	29
OHLDE	O-373	48.3	--	--	--	--	96	--	--	9/21	1.0	29
OHLDE	O-379	46.2	--	--	--	--	92	--	--	9/18	1.0	32
OHLDE	O-383	60.4	--	--	--	--	120	--	--	9/24	1.0	31
OHLDE	O-3921	39.9	71.3	57.8	55.6	56.3	79	107	104	9/24	1.0	27
OHLDE	O-393	46.6	--	--	--	--	93	--	--	9/29	1.3	28
PHILLIPS	365 NR2Y	42.5	--	--	--	--	84	--	--	9/21	1.0	32
PHILLIPS	366 NR2Y	50.2	--	--	--	--	100	--	--	9/29	1.0	31
PHILLIPS	376 NR2YS	49.7	--	--	--	--	99	--	--	10/1	1.0	33
PHILLIPS	392 NR2YS	54.7	--	--	--	--	109	--	--	10/1	1.3	33
PHILLIPS	Ex373 NR2Y	46.7	--	--	--	--	93	--	--	9/19	1.0	30
PHILLIPS	Ex389 NR2Y	53.4	--	--	--	--	106	--	--	9/21	1.0	35
PIONEER	93Y92	50.4	--	--	--	--	100	--	--	9/26	1.7	34

Table 14 continued. Belleville, Republic County Dryland Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
PIONEER	94Y01	40.4	--	--	--	--	80	--	--	9/29	1.0	34
WILLCROSS	RY2343N	58.1	--	--	--	--	116	--	--	9/29	1.3	33
WILLCROSS	RY2363N	58.9	--	--	--	--	117	--	--	9/29	1.3	29
WILLCROSS	RY2373N	52.3	--	--	--	--	104	--	--	9/25	1.0	26
WILLCROSS	RY2393N	47.9	53.8	--	50.9	--	95	80	--	9/27	1.0	34
	AVERAGES	50.3	66.9	55.4								
	CV (%)	13.7	8.9	10.7								
	LSD (0.10)	9.4	8.0	7.5								

Values in bold are in the upper LSD group.

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

Ladysmith silty clay loam, pH na, na% OM; P test: na, K test: na

100-0-0 lbs N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 1.9 0.4 2.2 2.0 2.7 2.1 11.3

Planted 6/1/2012 at 7 seeds/ft; harvested 10/12/2012; 11 ft. by 2-row plot; pesticides: Dual II Magnum, glyphosate

Dry and hot conditions, but stand establishment excellent and vegetative development good. Drought and heat stress were severe during reproductive development, but plants responded favorably to rainfall the third week of August and yields were fairly good.

Table 15. Assaria, Saline County Dryland Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG3833S R2Y	33.7	--	--	--	--	91	--	--	9/29	1.0	27
ADVANCED GENETICS	AG4233S R2Y	33.3	17.4	--	25.4	--	90	112	--	9/29	1.0	25
G2 GENETICS	1421	40.7	--	--	--	--	110	--	--	10/2	1.0	27
G2 GENETICS	7382	36.9	15.3	--	26.1	--	100	98	--	9/28	1.0	28
G2 GENETICS	7390	38.2	16.4	33.3	27.3	29.3	103	105	132	9/29	1.3	23
G2 GENETICS	7393	36.6	--	--	--	--	99	--	--	9/29	1.0	26
G2 GENETICS	7420	37.8	18.6	33.9	28.2	30.1	102	119	134	9/30	1.0	28
G2 GENETICS	7442	35.1	19.7	--	27.4	--	95	126	--	9/30	1.0	28
G2 GENETICS	7460	40.4	21.6	31.2	31.0	31.1	109	138	123	10/1	1.0	33
LG SEEDS	C3890R2	35.3	--	--	--	--	95	--	--	9/28	1.0	27
LG SEEDS	C3989R2	41.2	--	--	--	--	111	--	--	9/28	1.0	26
LG SEEDS	C4340R2	38.8	--	--	--	--	105	--	--	9/30	1.0	26
MIDLAND	3842NRR	36.7	15.2	--	26.0	--	99	97	--	9/29	1.0	26
MIDLAND	3850NR2	34.2	10.7	--	22.5	--	92	69	--	9/26	1.0	22
MIDLAND	3943NRS2	38.6	--	--	--	--	104	--	--	9/30	1.3	28
MIDLAND	3981NR2	36.7	--	--	--	--	99	--	--	10/1	1.8	30
MIDLAND	3983NR2	36.7	--	--	--	--	99	--	--	9/29	1.0	27
MIDLAND	4123NR2	36.0	--	--	--	--	97	--	--	9/30	1.0	29
MIDLAND	4153NR2	30.4	--	--	--	--	82	--	--	10/2	1.0	23
MIDLAND	4263NRS2	34.7	--	--	--	--	94	--	--	9/30	1.3	27
MIDLAND	4443NRS2	38.8	--	--	--	--	105	--	--	10/2	1.0	27
MIDLAND	4580RS2	37.8	--	--	--	--	102	--	--	10/2	1.8	25
MIDLAND	4593NRS2	39.2	--	--	--	--	106	--	--	10/2	1.0	29
MIDLAND	4792RS2	38.1	--	--	--	--	103	--	--	10/3	1.0	28
MIDLAND	4813NRS2	34.8	--	--	--	--	94	--	--	10/2	1.0	32
MIDLAND	4963NRS2	40.3	--	--	--	--	109	--	--	10/2	1.0	27
OHLDE	O-373	35.5	--	--	--	--	96	--	--	9/25	1.0	28
OHLDE	O-379	34.6	--	--	--	--	94	--	--	9/25	1.0	25
OHLDE	O-382	38.6	--	--	--	--	104	--	--	9/29	1.0	26
OHLDE	O-393	40.5	--	--	--	--	109	--	--	9/29	1.0	28
OHLDE	O-421	36.5	--	--	--	--	99	--	--	10/1	1.0	30
OHLDE	O-432	35.0	21.9	--	28.5	--	95	--	--	9/30	1.0	22
OHLDE	O-442	37.4	--	--	--	--	101	--	--	10/1	1.0	28
OHLDE	O-451	41.2	--	31.8	--	--	111	--	126	10/1	1.0	26
OHLDE	O-453	40.0	--	--	--	--	108	--	--	10/1	1.0	30
PHILLIPS	376 NR2YS	30.6	--	--	--	--	83	--	--	9/29	1.0	29
PHILLIPS	388 NR2Y	33.5	--	--	--	--	91	--	--	9/24	1.0	26

Table 15 continued. Assaria, Saline County Dryland Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
PHILLIPS	392 NR2YS	37.3	--	--	--	--	101	--	--	10/1	1.0	29
PHILLIPS	411 NR2Y	42.6	--	--	--	--	115	--	--	9/28	1.0	28
PHILLIPS	421 NR2Y	35.3	--	--	--	--	95	--	--	9/30	1.0	21
PHILLIPS	433 NR2YS	37.8	--	--	--	--	102	--	--	10/2	1.0	26
PHILLIPS	Ex373 NR2Y	33.6	--	--	--	--	91	--	--	9/26	1.0	26
PHILLIPS	Ex389 NR2Y	38.6	--	--	--	--	104	--	--	9/25	1.0	28
PIONEER	93Y70	38.9	--	--	--	--	105	--	--	9/28	1.0	27
PIONEER	94Y01	37.1	--	--	--	--	100	--	--	9/29	1.5	31
	AVERAGES	37.0	15.6	25.3								
	CV (%)	11.1	19.5	14.6								
	LSD (0.10)	4.8	4.1	4.3								

Values in bold are in the upper LSD group.

Richard Seck Farm, Hutchinson, Reno County; Bill Schapaugh, agronomist

Fine sandy loam, pH na, na% OM; P test: na, K test: na Extremely hot and dry, but plots received frequent irrigation.

0-0-0 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.0	0.6	2.9	0.5	3.3	1.3	9.1
Irrigation:		0.6	1.8	4.0	8.0	3.5	17.90

Planted 5/11/2012 at 8 seeds/ft; harvested 10/15/2012; 11 ft. by 2-row plot; pesticides: glyphosate

Table 16. Hutchinson, Reno County Irrigated Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG3833S R2Y	49.3	--	--	--	--	89	--	--	9/30	1.0	31
ADVANCED GENETICS	AG4233S R2Y	47.2	60.4	--	53.8	--	85	97	--	9/30	1.5	32
ADVANCED GENETICS	AG4533N R2Y	50.1	57.6	--	53.9	--	91	93	--	9/30	1.8	30
BAYER	HBK R4924	56.1	--	--	--	--	101	--	--	10/5	2.0	36
BAYER	HBK RY4620	53.1	--	--	--	--	96	--	--	9/29	1.8	29
BAYER	HBK RY4721	51.2	--	--	--	--	93	--	--	10/1	2.3	36
BAYER	HBK RY5221	51.9	--	--	--	--	94	--	--	10/2	2.0	32
BAYER	HBK RY5421	42.2	--	--	--	--	76	--	--	10/9	1.8	28
BAYER	HBK RY5521	38.3	--	--	--	--	69	--	--	10/13	1.0	28
G2 GENETICS	1421	70.3	--	--	--	--	127	--	--	10/2	1.3	31
G2 GENETICS	1491	68.1	--	--	--	--	123	--	--	10/4	2.3	40
G2 GENETICS	7420	60.0	61.0	76.6	60.5	65.9	109	98	96	10/2	1.0	33
G2 GENETICS	7442	60.9	66.1	--	63.5	--	110	106	--	10/1	1.3	32
G2 GENETICS	7460	53.6	59.4	77.4	56.5	63.5	97	96	97	10/2	1.5	34
LG SEEDS	C3666R2	53.3	--	--	--	--	96	--	--	9/25	1.0	31
LG SEEDS	C3890R2	44.6	--	--	--	--	81	--	--	9/26	1.0	32
LG SEEDS	C3989R2	48.4	--	--	--	--	88	--	--	9/27	1.0	31
LG SEEDS	C4211R2	57.5	--	--	--	--	104	--	--	9/29	1.5	30
MIDLAND	3842NRR	53.1	61.6	--	57.4	--	96	99	--	9/27	1.0	25
MIDLAND	3850NR2	49.6	61.1	86.8	55.4	65.8	90	98	108	9/26	1.0	29
MIDLAND	3943NRS2	51.2	--	--	--	--	93	--	--	9/30	1.5	31
MIDLAND	3981NR2	67.7	62.3	78.3	65.0	69.4	122	100	98	10/5	1.3	34
MIDLAND	3983NR2	61.4	--	--	--	--	111	--	--	10/1	1.5	32
MIDLAND	4123NR2	60.7	--	--	--	--	110	--	--	9/29	1.0	33
MIDLAND	4153NR2	55.3	--	--	--	--	100	--	--	10/1	1.0	24
MIDLAND	4263NRS2	49.9	--	--	--	--	90	--	--	9/29	1.0	31
MIDLAND	4443NRS2	49.6	--	--	--	--	90	--	--	9/27	1.0	29
MIDLAND	4580RS2	59.0	62.7	79.6	60.9	67.1	107	101	99	10/3	1.8	30
MIDLAND	4593NRS2	64.3	--	--	--	--	116	--	--	10/1	1.0	32
MIDLAND	4792RS2	57.2	63.7	--	60.5	--	103	102	--	10/4	2.3	35
MIDLAND	4813NRS2	51.8	--	--	--	--	94	--	--	9/30	2.0	39
MIDLAND	4963NRS2	62.1	--	--	--	--	112	--	--	10/6	1.8	32
OHLDE	O-382	55.2	--	--	--	--	100	--	--	9/28	1.0	29
OHLDE	O-383	52.7	--	--	--	--	95	--	--	9/24	1.0	30

Table 16 continued. Hutchinson, Reno County Irrigated Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
OHLDE	O-3921	48.5	62.2	--	55.4	--	88	100	--	9/29	1.5	31
OHLDE	O-393	56.5	--	--	--	--	102	--	--	9/28	1.0	29
OHLDE	O-432	60.1	63.6	--	61.9	--	109	--	--	9/29	1.0	28
OHLDE	O-442	55.3	--	--	--	--	100	--	--	10/2	1.3	31
PHILLIPS	388 NR2Y	58.9	--	--	--	--	107	--	--	9/27	1.0	31
PHILLIPS	392 NR2YS	53.8	--	--	--	--	97	--	--	9/28	1.0	30
PHILLIPS	411 NR2Y	63.0	--	--	--	--	114	--	--	10/1	1.3	33
PHILLIPS	421 NR2Y	55.5	--	--	--	--	100	--	--	9/28	1.0	29
PHILLIPS	433 NR2YS	51.7	--	--	--	--	93	--	--	10/1	1.0	32
PHILLIPS	454 NR2YS	58.3	--	--	--	--	105	--	--	10/2	1.3	33
PHILLIPS	499 NR2YS	55.5	--	--	--	--	100	--	--	10/9	2.0	34
PHILLIPS	Ex389 NR2Y	58.0	--	--	--	--	105	--	--	9/26	1.0	33
PHILLIPS	Ex455 NR2YS	67.6	--	--	--	--	122	--	--	9/30	1.5	33
PIONEER	93Y70	53.3	74.5	--	63.9	--	96	120	--	9/28	1.0	31
PIONEER	94Y01	56.5	--	--	--	--	102	--	--	9/29	1.3	31
	AVERAGES	55.3	62.2	80.1								
	CV (%)	10.9	5.6	7.3								
	LSD (0.10)	7.0	4.0	6.8								

Values in bold are in the upper LSD group.

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

Keith silt loam, pH na, na% OM; P test: na, K test: na Very hot, dry summer. No diseases noted. Plots were not uniform.

0-0-0 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.5	0.4	0.5	2.1	1.0	1.2	7.6
Irrigation:			4.8	6.7	5.8		17.3

Planted 5/14/2012 at 9 seeds/ft; harvested 10/2/2012; 20 ft. by 2-row plot; pesticides: glyphosate 1.5 pt

Table 17. Colby, Thomas County Irrigated Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
LG SEEDS	C2835R2	58.3	--	--	--	--	98	--	--	9/18	1.0	27
LG SEEDS	C3111R2	61.0	--	--	--	--	102	--	--	9/24	1.0	27
LG SEEDS	C3220R2	63.3	--	--	--	--	106	--	--	9/22	1.0	27
MIDLAND	3423NR2	54.0	--	--	--	--	91	--	--	9/22	1.0	26
MIDLAND	3612NR2	57.8	--	--	--	--	97	--	--	9/26	1.0	26
MIDLAND	3633NR2	67.4	--	--	--	--	113	--	--	9/22	1.0	28
MIDLAND	3822NRS2	53.8	--	--	--	--	90	--	--	9/29	1.0	28
MIDLAND	3842NRR	58.8	--	--	--	--	99	--	--	9/27	1.0	26
MIDLAND	3850NR2	61.1	--	--	--	--	103	--	--	9/26	1.0	28
MIDLAND	3983NR2	66.1	--	--	--	--	111	--	--	9/29	1.0	27
OHLDE	O-342	61.4	--	--	--	--	103	--	--	9/21	1.0	28
OHLDE	O-362	58.5	--	--	--	--	98	--	--	9/23	1.0	29
PIONEER	93Y70	62.2	--	--	--	--	104	--	--	9/24	1.0	27
PIONEER	93Y92	55.0	--	--	--	--	92	--	--	9/27	1.0	25
PIONEER	94Y01	54.9	--	--	--	--	92	--	--	9/28	1.0	27
	AVERAGES	59.6	--	70.8								
	CV (%)	14.2	--	5.5								
	LSD (0.10)	10.0	--	4.6								

Values in bold are in the upper LSD group.

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

Keith silt loam, pH 7.6, 2.1% OM; P test: na, K test: na
0-0-0 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.3	0.3	0.9	1.9	1.0	1.9	7.3
Irrigation:		2.6	6.6	6.9	4.7	3.9	24.71

Extremely dry and hot in spring and summer months. Emergence was hampered by a Rhizoctonia infection. Plot samples were sent to Manhattan for analysis; the infection was mentioned as a possible culprit, but the definite cause was not determined. In July the study seemed to gather strength and began to have growth. Overall, the study seemed to recover well, although some plots did not recover much and did not have enough plants harvested to produce data. Obtaining plot weight totals from the combine was difficult, but harvest went well.

Planted 5/14/2012 at 10 seeds/ft; harvested 10/16/2012; 23 ft. by 2-row plot; pesticides: Sterling Blue, Spartan Charge, Integrity, crop oil
Applied pre-plant; Pursuit applied preemergence

Table 18. Garden City, Finney County Irrigated Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
BAYER	HBK R4924	31.2	--	--	--	--	80	--	--	10/6	1.0	33
BAYER	HBK RY4620	39.1	--	--	--	--	100	--	--	10/6	1.0	26
BAYER	HBK RY4721	33.8	--	--	--	--	86	--	--	10/5	1.0	29
BAYER	HBK RY5221	26.0	--	--	--	--	66	--	--	10/6	1.0	33
BAYER	HBK RY5421	33.7	--	--	--	--	86	--	--	10/14	1.0	32
BAYER	HBK RY5521	25.8	--	--	--	--	66	--	--	10/15	1.0	32
LG SEEDS	C3666R2	34.5	--	--	--	--	88	--	--	9/27	1.0	25
LG SEEDS	C3890R2	45.8	--	--	--	--	117	--	--	9/26	1.0	25
LG SEEDS	C3989R2	52.8	--	--	--	--	135	--	--	9/27	1.0	26
LG SEEDS	C4211R2	43.8	--	--	--	--	112	--	--	9/26	1.0	26
MIDLAND	3850NR2	40.9	21.0	46.7	31.0	36.2	104	94	108	9/26	1.0	28
MIDLAND	3943NRS2	38.2	--	--	--	--	97	--	--	10/4	1.0	28
MIDLAND	3981NR2	46.2	22.3	46.0	34.3	38.2	118	100	106	10/4	1.0	27
MIDLAND	3983NR2	39.2	--	--	--	--	100	--	--	9/27	1.0	25
MIDLAND	4123NR2	41.2	--	--	--	--	105	--	--	9/28	1.0	28
MIDLAND	4153NR2	35.2	--	--	--	--	90	--	--	10/5	1.0	24
MIDLAND	4263NRS2	23.4	--	--	--	--	60	--	--	10/4	1.0	25
MIDLAND	4443NRS2	46.1	--	--	--	--	118	--	--	10/3	1.0	26
MIDLAND	4580RS2	42.5	27.5	40.5	35.0	36.8	108	123	94	10/5	1.0	26
MIDLAND	4593NRS2	48.3	--	--	--	--	123	--	--	10/4	1.0	29
MIDLAND	4792RS2	36.8	21.0	--	28.9	--	94	94	--	10/8	1.0	28
OHLDE	O-3921	45.3	26.1	--	35.7	--	116	117	--	9/27	1.0	25
OHLDE	O-393	38.5	--	--	--	--	98	--	--	9/26	1.0	25
OHLDE	O-432	47.7	--	--	--	--	122	--	--	9/27	1.0	25
OHLDE	O-442	45.5	--	--	--	--	116	--	--	10/2	1.0	25
PIONEER	93Y70	31.3	--	--	--	--	80	--	--	9/26	1.0	23
PIONEER	93Y92	41.8	--	--	--	--	107	--	--	9/25	1.0	23
PIONEER	94Y01	42.0	--	--	--	--	107	--	--	9/26	1.0	24
	AVERAGES	39.2	22.4	43.2								
	CV (%)	14.2	7.9	13.5								
	LSD (0.10)	6.6	2.2	7.9								

Values in bold are in the upper LSD group.

East Central Kansas Experiment Field, Ottawa, Franklin County; Eric Adee, agronomist; James Kimball, technician

Woodson silt loam, pH na, na% OM; P test: na, K test: na Fairly good growing conditions early in the summer, but July and August were extremely hot and dry.
0-0-0 lbs N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 0.7 1.6 0.5 1.2 0.6 5.2 9.8

Planted 5/29/2012 at 8 seeds/ft; harvested 10/18/2012; 11 ft. by 2-row plot; pesticides: Authority First preemergence

Table 19. Ottawa, Franklin County Dryland Conventional Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4244N LL	34.5	--	--	--	--	110	--	--	10/6	1.0	30
ADVANCED GENETICS	AG4989N LL	33.4	28.5	59.0	31.0	40.3	106	108	135	10/19	1.0	28
ADVANCED GENETICS	AG5163N LL	41.1	28.4	--	34.8	--	130	108	--	10/18	1.0	24
ILLINOIS AES	LD00-2817P	32.4	26.6	52.9	29.5	37.3	103	101	121	10/7	1.0	28
ILLINOIS AES	LD00-3309	21.8	17.2	36.1	19.5	25.0	69	65	82	10/2	1.0	24
IOWA AES	IA4004	30.1	26.0	37.4	28.1	31.2	96	98	85	9/24	1.0	26
IOWA AES	IA4005	36.5	22.8	--	29.7	--	116	86	--	10/4	1.0	26
KANSAS AES	K07-1544	27.9	21.3	33.3	24.6	27.5	89	81	76	9/21	1.0	23
KANSAS AES	K07-1633	32.0	21.1	36.9	26.6	30.0	102	80	84	9/29	1.0	28
KANSAS AES	K09-1599	32.7	--	--	--	--	104	--	--	10/5	1.0	27
KANSAS AES	KS4607	33.0	25.0	43.4	29.0	33.8	105	95	99	10/9	1.0	27
MORSOY	LL 4512N	24.0	--	--	--	--	76	--	--	10/11	1.0	33
MORSOY	LL 4880N	30.4	28.2	45.5	29.3	34.7	97	107	104	10/11	1.0	32
MORSOY	LL 4892N	25.1	--	--	--	--	80	--	--	10/16	1.0	28
PIONEER	94Y01 RR check	28.2	--	--	--	--	90	--	--	10/7	1.0	31
WILLCROSS	1137N	42.1	--	--	--	--	134	--	--	10/4	1.0	32
WILLCROSS	1347NLL	30.9	--	--	--	--	98	--	--	10/16	1.0	27
	AVERAGES	31.5	26.4	43.8								
	CV (%)	22.5	17.2	8.9								
	LSD (0.10)	8.4	5.4	4.7								

Values in bold are in the upper LSD group.

North Central Kansas Experiment Field, Belleville, Republic County; Randall Nelson, agronomist

Crete silt loam, pH 5.8, na% OM; P test: VL, K test: VH Spring: warm, relatively normal precipitation; Summer: abnormally hot and dry. No insect or disease pressures.
0-0-0 lbs N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 2.9 0.2 3.2 2.2 2.4 2.0 12.9

Irrigation: 4.0 6.0 10.00

Planted 5/17/2012 at 9 seeds/ft; harvested 10/12/2012; 26 ft. by 2-row plot; pesticides: glyphosate

Table 20. Scandia, Republic County Irrigated Conventional Soybean Performance Test, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ILLINOIS AES	LD00-2817P	69.6	62.6	59.7	66.1	64.0	106	106	97	9/24	4.0	48
ILLINOIS AES	LD00-3309	58.4	50.2	58.6	54.3	55.7	89	85	95	9/23	3.7	44
IOWA AES	IA4004	62.4	56.9	64.7	59.7	61.3	95	96	105	9/26	4.3	46
IOWA AES	IA4005	67.9	62.4	--	65.2	--	104	105	--	9/29	2.7	42
KANSAS AES	K07-1544	64.8	61.3	72.0	63.1	66.0	99	104	117	9/27	3.7	47
KANSAS AES	K07-1633	63.7	59.9	64.1	61.8	62.6	97	101	104	9/29	4.3	44
KANSAS AES	K09-1599	67.4	--	--	--	--	103	--	--	9/26	4.0	33
KANSAS AES	KS4607	65.8	63.7	49.9	64.8	59.8	101	108	81	9/30	2.7	45
LG SEEDS	C3114LL	62.5	--	--	--	--	96	--	--	9/26	4.0	41
LG SEEDS	C3554	67.2	--	--	--	--	103	--	--	9/25	3.3	48
PIONEER	94Y01 RR check	66.4	--	--	--	--	102	--	--	9/26	3.0	45
WILLCROSS	1137N	68.5	61.3	--	64.9	--	105	104	--	9/27	3.0	43
	AVERAGES	65.4	59.2	61.7								
	CV (%)	10.0	7.1	8.4								
	LSD (0.10)	9.2	6.1	7.1								

Southeast Agricultural Research Center, Parsons, Labette County; Kelly Kusel, technician

Parsons Silt Loam, pH 6.1, 2.8% OM; P test: M, K test: H Hot and dry through first half of season. Insect problems for much of season. Unable to take maturities at Parsons because frost on Oct 6, 7, 8
 0-0-0 lbs N-P-K fertilizer killed top of plants but not the bottoms. No tests at Parsons
 Rainfall: April May June July Aug. Sept. Total had shown any sign of maturity at this point. Freeze on Oct 26, 27, 28
 finished plants for harvest. Yields were unexpectedly good.
 Planted 6/6/2012 at 7 seeds/ft; harvested 11/3/2012; 14 ft. by 2-row plot; pesticides: 1.5 pt Boundary preemergence

Table 21. Parsons, Labette County Dryland Conventional Soybean Performance Test, Maturity Groups IV-V, 2010-2012

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2012		
		2012	2011	2010	2-yr. avg.	3-yr. avg.	2012	2011	2010	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4989N LL	37.3	11.5	24.0	24.4	24.3	98	92	89	--	1.0	24
ADVANCED GENETICS	AG5163N LL	38.3	11.0	--	24.7	--	101	88	--	--	1.0	23
ADVANCED GENETICS	AG5333N	37.0	--	--	--	--	98	--	--	--	2.0	31
KANSAS AES	K09-5546	35.7	--	--	--	--	94	--	--	--	1.8	29
KANSAS AES	KS5004N	36.8	15.9	27.2	26.4	26.6	97	127	100	--	2.0	29
KANSAS AES	KS5502N	41.2	15.7	32.4	28.5	29.8	109	126	120	--	1.0	27
KANSAS AES	KS5507NRR	41.9	17.9	31.6	29.9	30.5	111	143	117	--	1.0	28
MORSOY	LL 4880N	37.1	7.0	19.2	22.1	21.1	98	56	71	--	1.0	27
MORSOY	LL 4892N	33.9	--	--	--	--	89	--	--	--	1.0	24
MORSOY	LL 5120N	39.6	10.4	34.0	25.0	28.0	104	83	125	--	1.0	24
MORSOY	LL 5332N	36.4	--	--	--	--	96	--	--	--	2.0	32
PIONEER	94Y80	41.5	--	--	--	--	110	--	--	--	1.0	30
PIONEER	95Y40	38.8	--	--	--	--	102	--	--	--	1.3	34
WILLCROSS	1347NLL	32.5	--	--	--	--	86	--	--	--	1.0	24
WILLCROSS	1349NLL	40.1	--	--	--	--	106	--	--	--	1.0	28
	AVERAGES	37.9	12.5	27.1								
	CV (%)	8.7	13.9	8.8								
	LSD (0.10)	3.9	2.1	2.8								

Values in bold are in the upper LSD group.

Table 22. Yield as a Percentage of Test Average from 2012 Roundup-Resistant Soybean Tests

BRAND/NAME	Topeka		Ottawa	Parsons		Pittsburg	McCune		Erie		Belle-	Hutch-	Garden	AVG			
	Emmett	dryland		irrigated	MG4	MG 5	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville		Assaria	inson	City
ADVANCED GENETICS																	
AG3833S R2Y	--	--	--	95	--	--	--	--	--	--	--	--	91	89	--	--	92
AG4233S R2Y	--	--	--	123	--	--	--	--	--	--	--	--	90	85	--	--	99
AG4533N R2Y	--	--	--	113	--	--	--	--	--	96	--	--	--	91	--	--	100
AG4700S R2Y	--	--	--	113	--	95	--	--	107	--	94	--	--	--	--	--	102
AG4733S R2Y	--	--	--	127	--	108	--	--	111	--	100	--	--	--	--	--	111
AG5133N R2Y	--	--	--	106	--	89	--	--	92	--	--	--	--	--	--	--	96
ASGROW																	
AG3130	--	--	--	--	--	--	--	--	--	--	--	98	--	--	--	--	98
AG3432	--	--	--	--	--	--	--	--	--	--	111	92	--	--	--	--	101
AG3533	--	--	--	--	--	--	--	--	--	--	96	--	--	--	--	--	96
AG3731	--	--	--	--	--	--	--	--	--	--	111	111	--	--	--	--	111
AG3832	--	--	--	--	--	--	--	--	--	--	96	102	--	--	--	--	99
AG3833	--	--	--	--	--	--	--	--	--	--	92	90	--	--	--	--	91
AG4382	--	--	--	--	104	--	113	105	--	114	--	--	--	--	--	--	109
AG4533	--	--	--	--	108	--	107	98	--	104	--	--	--	--	--	--	104
AG4730	--	--	--	--	--	96	88	--	108	--	93	--	--	--	--	--	96
AG4831	--	--	--	--	--	102	84	--	105	--	113	--	--	--	--	--	101
AG4831	--	--	--	--	--	102	--	--	--	--	--	--	--	--	--	--	102
AG5233	--	--	--	--	--	99	107	--	105	--	114	--	--	--	--	--	106
AG5503	--	--	--	--	--	101	--	--	--	--	--	--	--	--	--	--	101
AG5533	--	--	--	--	--	107	103	--	92	--	110	--	--	--	--	--	103
AG5605	--	--	--	--	--	109	--	--	--	--	--	--	--	--	--	--	109
AG5632	--	--	--	--	--	104	--	--	--	--	--	--	--	--	--	--	104
AG5633	--	--	--	--	--	103	87	--	92	--	112	--	--	--	--	--	99
BAYER																	
HBK R4924	--	--	111	--	--	102	--	--	100	--	101	--	--	101	80	--	99
HBK RY4620	--	--	104	--	99	--	--	104	--	121	--	--	--	96	100	--	104
HBK RY4721	--	--	87	--	--	106	--	--	104	--	95	--	--	93	86	--	95
HBK RY5221	--	--	95	--	--	99	--	--	101	--	101	--	--	94	66	--	93
HBK RY5421	--	--	126	--	--	100	--	--	91	--	110	--	--	76	86	--	98
HBK RY5521	--	--	81	--	--	111	--	--	90	--	106	--	--	69	66	--	87
CHANNEL																	
5805R2	--	--	--	--	--	107	--	--	--	--	--	--	--	--	--	--	107
G2 GENETICS																	
1371	95	104	101	--	--	--	--	--	--	--	99	106	--	--	--	--	101
1421	--	112	109	132	--	--	--	98	--	105	--	--	110	127	--	--	113
1491	--	--	--	--	--	97	--	--	96	--	73	--	--	123	--	--	97
7323	93	--	--	--	--	--	--	--	--	--	92	94	--	--	--	--	93
7334	91	--	--	--	--	--	--	--	--	--	93	91	--	--	--	--	92
7342	106	--	--	--	--	--	--	--	--	--	107	117	--	--	--	--	110
7362	91	96	91	--	--	--	--	--	--	--	103	100	--	--	--	--	96
7373	100	101	116	--	--	--	--	--	--	--	100	88	--	--	--	--	101
7382	99	93	95	82	--	--	--	--	--	--	94	101	100	--	--	--	95
7390	99	84	121	109	--	--	--	--	--	--	104	102	103	--	--	--	103
7393	98	93	109	91	--	--	--	--	--	--	103	86	99	--	--	--	97
7420	--	110	122	83	--	--	--	95	--	83	--	--	102	109	--	--	101
7442	--	--	--	82	92	--	--	98	--	90	--	--	95	110	--	--	94
7460	--	--	--	90	105	--	--	96	--	98	--	--	109	97	--	--	99
KANSAS AES																	
K04-3083RR	--	--	--	--	--	96	112	--	105	--	100	--	--	--	--	--	103
KS5507NRR	--	--	--	--	--	101	100	--	91	--	113	--	--	--	--	--	103

Table 22 continued. Yield as a Percentage of Test Average from 2012 Roundup-Resistant Soybean Tests

BRAND/NAME	Topeka		Ottawa	Parsons		Pittsburg	McCune		Erie		Belle-	Hutch-	Garden	AVG		
	Emmett	dryland		irrigated	MG4	MG 5	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville		inson	City
KRUGER																
K2-3402	--	--	--	--	--	--	--	--	--	--	99	108	--	--	104	
K2-3701	--	--	--	--	--	--	--	--	--	--	102	106	--	--	104	
K2-3802	--	--	--	--	--	--	--	--	--	--	94	102	--	--	98	
K2-3803	--	--	--	--	--	--	--	--	--	--	109	103	--	--	106	
K2-3804	--	--	--	--	--	--	--	--	--	--	95	96	--	--	96	
K2-3902	--	--	--	--	--	--	--	--	--	--	98	89	--	--	93	
K2-4102	--	--	--	--	--	--	--	--	--	--	93	122	--	--	108	
K2-4202	--	--	--	--	--	--	--	--	--	--	94	104	--	--	99	
K2-4303	--	--	--	--	--	--	--	--	--	--	102	119	--	--	111	
LG SEEDS																
C2835R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98	98
C3111R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102	102
C3220R2	--	--	--	--	--	--	--	--	--	--	100	--	--	--	106	103
C3399R2	--	--	--	--	--	--	--	--	--	--	103	100	--	--	--	101
C3666R2	--	--	--	--	--	--	--	--	--	--	--	106	--	96	88	97
C3890R2	104	--	--	--	--	--	--	--	--	--	103	--	95	81	117	100
C3989R2	109	--	--	--	--	--	--	--	--	--	106	--	111	88	135	110
C4211R2	--	--	--	--	--	--	--	--	--	--	--	--	--	104	112	108
C4340R2	--	--	--	--	--	--	--	--	--	--	--	--	105	--	--	105
MIDLAND																
3423NR2	--	--	--	--	--	--	--	--	--	--	102	91	--	--	91	95
3612NR2	108	94	--	--	--	--	--	--	--	--	100	105	--	--	97	101
3633NR2	95	107	111	--	--	--	--	--	--	--	105	97	--	--	113	105
3822NRS2	109	--	--	--	--	--	--	--	--	--	96	100	--	--	90	99
3842NRR	94	--	75	--	--	--	--	--	--	--	103	111	99	96	--	97
3850NR2	101	89	91	--	--	--	--	--	--	--	99	101	92	90	104	103
3943NRS2	--	--	--	--	--	--	--	--	--	--	--	--	104	93	97	98
3981NR2	--	--	--	--	--	--	--	--	--	--	--	--	99	122	118	113
3983NR2	106	102	107	76	--	--	--	--	--	--	99	93	99	111	100	111
4123NR2	--	--	--	--	--	--	--	--	--	--	--	--	97	110	105	104
4153NR2	91	105	92	110	--	--	--	--	--	--	90	95	82	100	90	95
4263NRS2	99	104	89	93	--	--	--	--	91	--	--	--	94	90	60	90
4270NR2	102	101	--	123	97	--	--	95	--	100	--	--	--	--	--	103
4373NR2	107	99	97	122	99	--	--	110	--	106	--	--	--	--	--	106
4443NRS2	--	108	69	118	97	--	--	102	--	105	--	--	105	90	118	101
4580RS2	--	99	--	109	109	--	--	102	--	117	--	--	102	107	108	107
4593NRS2	--	104	--	96	104	--	--	111	--	98	--	--	106	116	123	107
4703NR2	--	--	--	74	--	103	--	--	109	--	89	--	--	--	--	94
4792RS2	--	--	--	114	--	108	--	--	112	--	101	--	103	103	94	105
4813NRS2	--	--	--	68	--	95	--	--	99	--	87	--	94	94	--	89
4963NRS2	--	--	--	--	--	--	--	--	--	--	--	--	109	112	--	111
5182NR2	--	--	--	--	--	83	--	--	91	--	96	--	--	--	--	90
MORSOY																
R2 46X71N	--	--	--	90	--	--	--	--	--	--	--	--	--	--	--	90
R2 51X31N	--	--	--	112	--	100	--	--	--	--	--	--	--	--	--	106
R2 51X52N	--	--	--	91	--	96	--	--	--	--	--	--	--	--	--	94
R2 53X82N	--	--	--	--	--	100	--	--	--	--	--	--	--	--	--	100
R2 54X42N	--	--	--	--	--	103	--	--	--	--	--	--	--	--	--	103
R2 55X62N	--	--	--	--	--	102	--	--	--	--	--	--	--	--	--	102
R2S 47X12N	--	--	--	105	--	--	--	--	--	--	--	--	--	--	--	105
R2S 48X10	--	--	--	117	--	105	--	--	--	--	--	--	--	--	--	111
R2S 56X02N	--	--	--	--	--	104	--	--	--	--	--	--	--	--	--	104

Table 22 continued. Yield as a Percentage of Test Average from 2012 Roundup-Resistant Soybean Tests

BRAND/NAME	Topeka		Ottawa	Parsons		Pittsburg	McCune		Erie		Belle-	Hutch-	Garden	AVG	
	Emmett	dryland		irrigated	MG4	MG 5	DMG 5	MG 4	MG 5	MG 4	MG 5	Scandia	ville		inson
NK															
S30-E9	--	--	--	--	--	--	--	--	--	--	--	--	--	103	103
S34-N3 Brand	--	--	--	--	--	--	--	--	--	--	102	95	--	--	98
S36-B6 Brand	--	--	--	--	--	--	--	--	--	--	102	112	--	--	107
S36-M8	--	--	--	--	--	--	--	--	--	--	93	101	--	--	97
S37-B1	--	--	--	--	--	--	--	--	--	--	101	--	--	--	101
S39-U2 Brand	--	--	--	--	--	--	--	--	--	--	108	96	--	--	102
S52-F2 Brand	--	--	--	--	--	102	--	--	--	--	--	--	--	--	102
OHLDE															
O-332	--	--	--	--	--	--	--	--	--	--	--	93	--	--	93
O-342	91	--	--	--	--	--	--	--	--	--	92	84	--	--	103
O-362	77	--	--	--	--	--	--	--	--	--	106	95	--	--	98
O-363	98	--	--	--	--	--	--	--	--	--	103	109	--	--	103
O-373	103	--	--	--	--	--	--	--	--	--	--	96	96	--	98
O-379	98	--	--	--	--	--	--	--	--	--	--	92	94	--	95
O-382	96	--	--	--	--	--	--	--	--	--	--	--	104	100	100
O-383	93	105	76	--	--	--	--	--	--	--	105	120	--	95	99
O-3921	101	93	125	--	--	--	--	--	--	--	99	79	--	88	116
O-393	--	99	98	--	--	--	--	--	--	--	100	93	109	102	98
O-421	105	99	--	--	--	--	--	--	--	--	--	--	99	--	101
O-432	--	99	125	--	--	--	--	--	--	--	--	--	95	109	122
O-442	--	--	--	--	--	--	--	--	--	--	--	--	101	100	116
O-451	--	--	--	--	--	--	--	--	--	--	--	--	111	--	--
O-453	--	--	--	--	--	--	--	--	--	--	--	--	108	--	--
PHILLIPS															
365 NR2Y	--	--	--	--	--	--	--	--	--	--	89	84	--	--	--
366 NR2Y	--	--	--	--	--	--	--	--	--	--	96	100	--	--	--
376 NR2YS	109	--	--	--	--	--	--	--	--	--	97	99	83	--	--
388 NR2Y	94	100	108	--	--	--	--	--	--	--	--	91	107	--	--
392 NR2YS	108	108	85	--	--	--	--	--	--	--	109	101	97	--	--
411 NR2Y	--	105	130	--	--	--	--	--	--	--	--	115	114	--	--
421 NR2Y	--	102	77	--	--	--	--	--	--	--	--	95	100	--	--
433 NR2YS	--	93	71	--	--	--	92	--	--	--	90	--	102	93	--
454 NR2YS	--	--	--	--	--	--	80	--	--	--	--	--	105	--	--
499 NR2YS	--	--	--	--	--	--	119	--	--	--	--	--	100	--	--
Ex373 NR2Y	109	--	--	--	--	--	--	--	--	--	104	93	91	--	--
Ex389 NR2Y	101	102	119	--	--	--	--	--	--	--	101	106	104	105	--
Ex455 NR2YS	--	--	--	--	--	--	104	--	--	--	--	--	--	122	--
PIONEER															
93Y70	--	104	115	92	--	--	--	96	--	92	--	106	--	105	96
93Y92	--	89	101	77	96	--	--	91	--	89	--	111	100	--	107
94Y01	101	97	92	93	89	--	--	99	--	90	--	98	80	100	102
94Y70	--	--	--	--	--	95	110	--	103	--	90	--	--	--	--
94Y80	--	--	--	--	--	103	92	--	104	--	102	--	--	--	--
95Y10	--	--	--	--	--	105	102	--	100	--	102	--	--	--	--
95Y40	--	--	--	--	--	94	105	--	105	--	98	--	--	--	--

Table 22 continued. Yield as a Percentage of Test Average from 2012 Roundup-Resistant Soybean Tests

BRAND/NAME	Topeka		Ottawa	Parsons		Pittsburg DMG 5	McCune		Erie		Scandia	Belle-ville	Hutch- Assaria	Garden inson	City Colby	AVG
	Emmett	dryland irrigated		MG4	MG 5		MG 4	MG 5	MG 4	MG 5						
WILLCROSS																
RR2544NS	--	--	--	--	--	97	99	--	96	--	--	--	--	--	--	97
RY2343N	104	--	--	--	--	--	--	--	--	--	106	116	--	--	--	108
RY2363N	112	--	--	--	--	--	--	--	--	--	101	117	--	--	--	110
RY2373N	109	107	90	78	--	--	--	--	--	--	105	104	--	--	--	99
RY2393N	93	91	114	86	--	--	--	--	--	--	96	95	--	--	--	96
RY2443N	--	106	106	111	--	--	--	--	--	--	--	--	--	--	--	108
RY2460N	--	91	90	132	--	--	--	--	--	--	--	--	--	--	--	104
RY2482NS	--	111	79	65	--	--	109	--	--	--	--	--	--	--	--	91
RY2523N	--	--	--	--	--	89	79	--	99	--	--	--	--	--	--	89
RY2533N	--	--	--	--	--	93	106	--	92	--	--	--	--	--	--	97
RY2543N	--	--	--	--	--	96	102	--	98	--	--	--	--	--	--	99

Table 23. Yield as a Percentage of Test Average from 2012 Conventional Soybean Tests

BRAND/NAME	Ottawa	Parsons MG 5	Scandia	AVG
ADVANCED GENETIC				
AG4244N LL	110	--	--	110
AG4989N LL	106	98	--	102
AG5163N LL	130	101	--	116
AG5333N	--	98	--	98
ILLINOIS AES				
LD00-2817P	103	--	106	105
LD00-3309	69	--	89	79
IOWA AES				
IA4004	96	--	95	95
IA4005	116	--	104	110
KANSAS AES				
K07-1544	89	--	99	94
K07-1633	102	--	97	99
K09-1599	104	--	103	103
K09-5546	--	94	--	94
KS4607	105	--	101	103
KS5004N	--	97	--	97
KS5502N	--	109	--	109
LG SEEDS				
C3114LL	--	--	96	96
C3554	--	--	103	103
MORSOY				
LL 4512N	76	--	--	76
LL 4880N	97	98	--	97
LL 4892N	80	89	--	85
LL 5120N	--	104	--	104
LL 5332N	--	96	--	96
WILLCROSS				
1137N	134	--	105	119
1347NLL	98	86	--	92
1349NLL	--	106	--	106

Table 24. Description of Roundup-Resistant Entries in 2012 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
ADVANCED GENETICS	AG3833S R2Y	3.8	P	IB	--	R	--	R	PI88788	Rps1c	4.0	STS
ADVANCED GENETICS	AG4233S R2Y	4.2	P	BL	--	R	--	R	PI88788	--	4.0	--
ADVANCED GENETICS	AG4533N R2Y	4.5	W	BL	--	R	--	R	PI88788	Rps1c	2.5	--
ADVANCED GENETICS	AG4700S R2Y	4.7	P	BL	--	--	--	--	--	Rps1c	3.0	STS
ADVANCED GENETICS	AG4733S R2Y	4.7	P	BI	--	--	--	--	--	Rps1c	4.0	STS
ADVANCED GENETICS	AG5133N R2Y	5.1	--	--	--	--	--	--	--	--	--	--
ASGROW	AG3130	3.1	P	IB	--	MR	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3432	3.4	P	IB	--	MR	--	--	PI88788	S	7.0	--
ASGROW	AG3533	3.5	--	--	--	--	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3731	3.7	P	IB	--	R	--	--	PI88788	Rps1c	6.0	--
ASGROW	AG3832	3.8	P	IB	--	R	--	--	PI88788	Rps1c	4.0	--
ASGROW	AG3833	3.8	--	--	--	R	--	--	PI88788	Rps1c	5.0	STS
ASGROW	AG4382	4.8	P	BL	--	R	--	--	PI88788	Rps1c	5.0	STS
ASGROW	AG4533	3.5	P	BL	--	R	--	--	PI88788	Rps1c	4.0	STS
ASGROW	AG4730	4.7	P	BL	--	--	--	--	PI887888	Rps1c	5.0	--
ASGROW	AG4831	5.5	--	--	--	--	--	--	--	--	--	--
ASGROW	AG4831	4.8	P	BL	--	S	--	--	--	S	7.0	STS
ASGROW	AG5233	5.2	P	BL	--	R	--	--	PI88788	S	5.0	STS
ASGROW	AG5503	5.5	--	--	--	--	--	--	--	--	--	--
ASGROW	AG5533	5.5	P	IB	--	R	--	--	PI88788	S	5.0	STS
ASGROW	AG5605	5.6	P	IB	--	MR	--	MR	PI88788	S	5.0	STS
ASGROW	AG5632	4.8	--	--	--	--	--	--	--	--	--	--
ASGROW	AG5633	5.6	P	BL	--	S	--	--	--	S	5.0	--
BAYER	HBK R4924	4.9	P	BL	--	R	--	MR	--	--	--	--
BAYER	HBK RY4620	4.6	P	BL	--	--	--	--	--	Rps1c	--	--
BAYER	HBK RY4721	4.7	P	BL	--	R	--	MR	--	Rps1c	--	--
BAYER	HBK RY5221	5.2	P	IB	--	R	--	--	--	--	--	--
BAYER	HBK RY5421	5.4	P	IB	--	MR	--	--	--	--	--	--
BAYER	HBK RY5521	5.5	P	IB	--	--	--	--	--	--	--	--
CHANNEL	5805R2	5.8	--	--	--	--	--	--	--	--	--	--
G2 GENETICS	1371	3.7	W	BL	--	R	--	R	PI88788	Rps1k	4.0	--
G2 GENETICS	1401	4.0	P	BL	--	R	--	R	PI88788	Rps1k	6.0	--
G2 GENETICS	1421	4.2	W	BL	--	R	--	R	PI88788	Rps1k	4.0	--
G2 GENETICS	1491	4.9	W	BL	--	R	--	R	PI88788	Rps1k	4.0	--
G2 GENETICS	7323	3.2	W	BL	--	R	--	R	PI88788	Rps1k	5.0	--
G2 GENETICS	7334	3.3	P	BR	--	R	--	R	PI88788	Rps1k	4.0	--
G2 GENETICS	7342	3.4	P	BR	--	R	--	R	PI88788	Rps1a	5.0	--
G2 GENETICS	7362	3.6	W	BL	--	R	--	R	PI88788	--	5.0	--
G2 GENETICS	7373	3.8	P	BI	R	R	R	--	PI88788	Rps1k	5.0	--
G2 GENETICS	7382	3.8	W	BL	--	R	--	R	PI88788	Rps1k	5.0	--
G2 GENETICS	7390	3.9	W	BI	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7393	3.9	P	BL	--	R	--	R	PI88788	Rps1k	5.0	--
G2 GENETICS	7420	4.2	W	BI	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7442	4.4	W	BL	--	R	--	R	PI88788	Rps1k	6.0	--
G2 GENETICS	7460	4.6	W	BI	--	R	R	--	PI88788	--	--	--
KANSAS AES	K04-3083RR	4.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	KS5507NRR	5.2	P	IB	R	R	R	R	PI437654	--	--	--
KRUGER	K2-3402	3.4	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
KRUGER	K2-3701	3.7	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
KRUGER	K2-3802	3.8	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
KRUGER	K2-3803	3.8	P	BL	--	R	--	--	PI88788	Rps1c	5.0	--
KRUGER	K2-3804	3.8	W	BL	--	R	--	--	PI88788	Rps1c	5.0	--
KRUGER	K2-3902	3.9	P	BL	--	R	--	--	PI88788	Rps1c	5.0	--
KRUGER	K2-4102	4.1	P	BL	--	R	--	--	PI88788	Rps1a	5.0	--
KRUGER	K2-4202	4.2	P	IB	--	R	--	--	PI88788	Rps1a	5.0	--
KRUGER	K2-4303	4.3	P	BL	--	R	--	--	PI88788	Rps1c	7.0	--
LG SEEDS	C2835R2	2.8	P	IB	--	R	--	--	MR14	Rps1c	1.0	--
LG SEEDS	C3111R2	3.1	P	IB	--	R	--	--	MR14	Rps1c	--	--
LG SEEDS	C3220R2	3.2	P	B	--	R	--	--	MR14	--	8.0	--
LG SEEDS	C3399R2	3.3	W	B	--	R	--	--	MR14	Rps1c	--	--
LG SEEDS	C3666R2	3.6	P	B	--	R	--	--	MR14	Rps1c	--	--
LG SEEDS	C3890R2	3.8	P	IB	--	R	--	--	MR14	Rps1c	2.0	X

Table 24 continued. Description of Roundup-Resistant Entries in 2012 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
LG SEEDS	C3989R2	3.9	P	IB	--	R	--	--	MR14	Rps1k	--	--
LG SEEDS	C4211R2	4.2	P	B	--	R	--	--	MR14	Rps1a	--	--
LG SEEDS	C4340R2	4.3	P	IB	--	R	--	--	MR14	Rps1a	--	X
MIDLAND	3423NR2	3.0	--	--	--	R	--	MR	PI88788	--	1.7	--
MIDLAND	3612NR2	3.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	3633NR2	3.0	--	--	--	R	--	MR	PI88788	--	1.7	--
MIDLAND	3822NRS2	3.0	--	--	--	R	--	MR	PI88788	--	1.8	STS
MIDLAND	3842NRR	3.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	3850NR2	3.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	3943NRS2	3.0	--	--	--	R	--	MR	PI88788	--	1.7	STS
MIDLAND	3981NR2	3.0	--	--	--	R	--	MR	PI88788	--	1.5	--
MIDLAND	3983NR2	3.0	--	--	--	R	--	MR	PI88788	--	1.7	--
MIDLAND	4123NR2	4.0	--	--	--	R	--	MR	PI88788	--	1.5	--
MIDLAND	4153NR2	4.0	--	--	--	R	--	MR	PI88788	--	1.6	--
MIDLAND	4263NRS2	4.0	--	--	--	R	--	MR	PI88788	--	2.5	STS
MIDLAND	4270NR2	4.0	--	--	--	R	--	MR	PI88788	--	1.7	--
MIDLAND	4373NR2	4.0	--	--	--	R	--	MR	PI87788	--	2.0	--
MIDLAND	4443NRS2	4.0	--	--	--	R	--	MR	PI88788	--	2.3	STS
MIDLAND	4580RS2	4.0	--	--	--	--	--	--	--	--	2.1	--
MIDLAND	4593NRS2	4.0	--	--	--	R	--	MR	PI88788	--	1.5	STS
MIDLAND	4703NR2	4.0	--	--	--	R	--	MR	PI88788	--	1.6	--
MIDLAND	4792RS2	4.0	--	--	--	--	--	--	--	--	2.0	STS
MIDLAND	4813NRS2	4.0	--	--	--	R	--	MR	PI88788	--	1.7	STS
MIDLAND	4963NRS2	4.0	--	--	--	R	--	MR	PI88788	--	2.2	STS
MIDLAND	5182NR2	5.0	--	--	--	MR	--	MR	PI88788	--	2.0	--
MORSOY	R2 46X71N	4.6	P	BL	--	R	--	MR	PI88788	Rps1c	3.0	--
MORSOY	R2 51X31N	5.1	W	BF	--	R	--	--	PI88788	Rps1c	3.0	--
MORSOY	R2 51X52N	5.1	P	IB	--	R	--	MR	PI88788	--	2.5	--
MORSOY	R2 53X82N	5.3	W	BF	--	R	--	MR	PI88788	--	1.9	--
MORSOY	R2 54X42N	5.4	W	BF	--	R	--	MR	PI88788	--	1.9	--
MORSOY	R2 55X62N	5.5	W	BF	--	R	--	MR	PI88788	--	2.6	--
MORSOY	R2S 47X12N	4.7	P	IB	--	R	--	MR	PI88788	Rps1c	2.0	STS
MORSOY	R2S 48X10	4.8	P	BI	--	--	--	--	--	Rps1c	2.0	--
MORSOY	R2S 56X02N	5.6	P	IB	--	R	--	MR	PI88788	--	2.4	STS
NK	S30-E9	3.0	P	IB	--	R	--	R	PI88788	Rps1c	3.0	--
NK	S34-N3 Brand	3.4	--	--	--	--	--	--	--	Rps1c	5.0	--
NK	S36-B6 Brand	--	--	--	--	--	--	--	--	--	--	--
NK	S36-M8	3.6	P	IB	--	R	--	R	PI88788	Rps1c	4.0	--
NK	S37-B1	3.7	W	BF	--	R	--	R	PI88788	Rps1c	4.0	--
NK	S39-U2 Brand	3.9	--	--	--	--	--	--	--	--	5.0	--
NK	S52-F2 Brand	5.2	P	BI	--	R	--	--	PI88788	--	4.0	--
OHLDE	O-332	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-342	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-362	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-363	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-373	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-379	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-382	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-383	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-3921	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-393	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-421	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-432	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-442	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-451	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-453	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	365 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	366 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	376 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	388 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	392 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	411 NR2Y	--	--	--	--	--	--	--	--	--	--	--

Table 24 continued. Description of Roundup-Resistant Entries in 2012 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
PHILLIPS	421 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	433 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	454 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	499 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	Ex373 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	Ex389 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	Ex455 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PIONEER	93Y70	--	--	--	--	--	--	--	--	--	--	--
PIONEER	93Y92	--	--	--	--	--	--	--	--	--	--	--
PIONEER	94Y01	4.0	--	--	--	--	--	--	--	--	--	--
PIONEER	94Y70	4.7	P	BI	MR	MR	MR	MR	PI88788	--	5.0	--
PIONEER	94Y80	4.8	P	BI	MR	MR	MR	MR	PI88788	--	6.0	--
PIONEER	95Y10	5.1	--	--	--	--	--	--	--	--	--	--
PIONEER	95Y40	5.4	W	BI	MR	R	S	R	PI88788	Rps1k	4.0	--
WILLCROSS	RR2544NS	5.4	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2343N	3.4	--	--	--	--	--	--	PI88788	Rps1k	1.5	--
WILLCROSS	RY2363N	3.6	--	--	--	--	--	--	PI88788	Rps1c	1.8	--
WILLCROSS	RY2373N	3.7	--	--	--	--	--	--	PI88788	Rps1c	2.4	--
WILLCROSS	RY2393N	3.9	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2443N	4.3	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2460N	4.6	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2482NS	4.8	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2523N	5.2	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2533N	5.3	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2543N	5.4	--	--	--	--	--	--	--	--	--	--

Table 25. Description of Conventional Entries in 2012 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
ADVANCED GENETICS	AG4244N LL	4.2	W	BF	--	R	--	R	PI88788	Rps3a	2.0	--
ADVANCED GENETICS	AG4989N LL	5.0	P	Bf	--	MR	--	--	--	Rps1k	2.5	--
ADVANCED GENETICS	AG5163N LL	5.1	W	BL	--	R	--	--	--	Rps1k	2.8	--
ADVANCED GENETICS	AG5333N	5.3	P	BF	--	R	--	--	PI88788	Rps1k	3.0	--
ILLINOIS AES	LD00-2817P	4.1	P	lb	--	R	--	--	788/654	--	--	--
ILLINOIS AES	LD00-3309	3.9	P	BI	--	R	--	--	PI88788	--	--	--
IOWA AES	IA4004	4.0	P	lb	S	S	S	S	--	R	--	--
IOWA AES	IA4005	4.0	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K07-1544	3.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K07-1633	4.2	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K09-1599	4.2	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K09-5546	5.2	--	--	--	--	--	--	--	--	--	--
KANSAS AES	KS4607	4.6	P	BI	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	--	--
LG SEEDS	C3114LL	3.1	P	B	--	--	--	--	--	--	--	--
LG SEEDS	C3554	3.5	P	IB	--	--	--	--	MR3	--	2.0	--
MORSOY	LL 4512N	4.5	P	BL	--	R	--	MR	PI88788	Rps1k	1.9	--
MORSOY	LL 4880N	4.8	P	BI	--	R	--	MR	PI88788	Rps1k	3.0	--
MORSOY	LL 4892N	4.8	W	BL	--	R	--	MR	PI88788	Rps1k	1.9	--
MORSOY	LL 5120N	5.1	WI	BI	--	R	--	MR	PI88788	Rps1k	3.0	--
MORSOY	LL 5332N	5.3	P	BF	--	R	--	MR	PI88788	Rps1k	1.9	--
WILLCROSS	1137N	3.7	--	--	--	--	--	--	--	Rps1k	1.5	--
WILLCROSS	1347NLL	4.7	--	--	--	--	--	--	--	--	--	--
WILLCROSS	1349NLL	4.9	--	--	--	--	--	--	--	--	--	--

To access crop performance testing information electronically, visit our website. 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 1076, '2012 Kansas Performance Tests with Soybean Varieties,' or the Kansas Crop Performance Test website, 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

Nathan Keep, Research Assistant

Hatice Aslan, Research Assistant

Research Centers

Patrick Evans, Colby

Kelly Kusel, Parsons

Monty Spangler, Garden City

Dean Stites, Crawford County Extension

Experiment Fields

Eric Adee, Topeka

William Heer, Hutchinson

James Kimball, Ottawa

Randall Nelson, Belleville and Scandia

Cooperators

Vernon Egbert, McCune

Lance Rezac, Onaga

Dale Roberds, Pittsburg

Clayton Short, Assaria

Copyright 2012 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), 2012 Kansas Performance Tests with Soybean Varieties, Kansas State University, December 2012. Contribution no. 13-101-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 at:

www.ksre.ksu.edu

Kansas State University Agricultural Experiment Station and Cooperative Extension Service