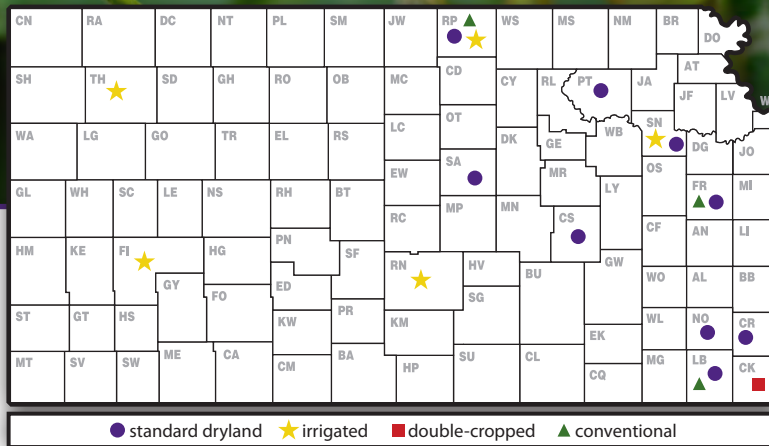
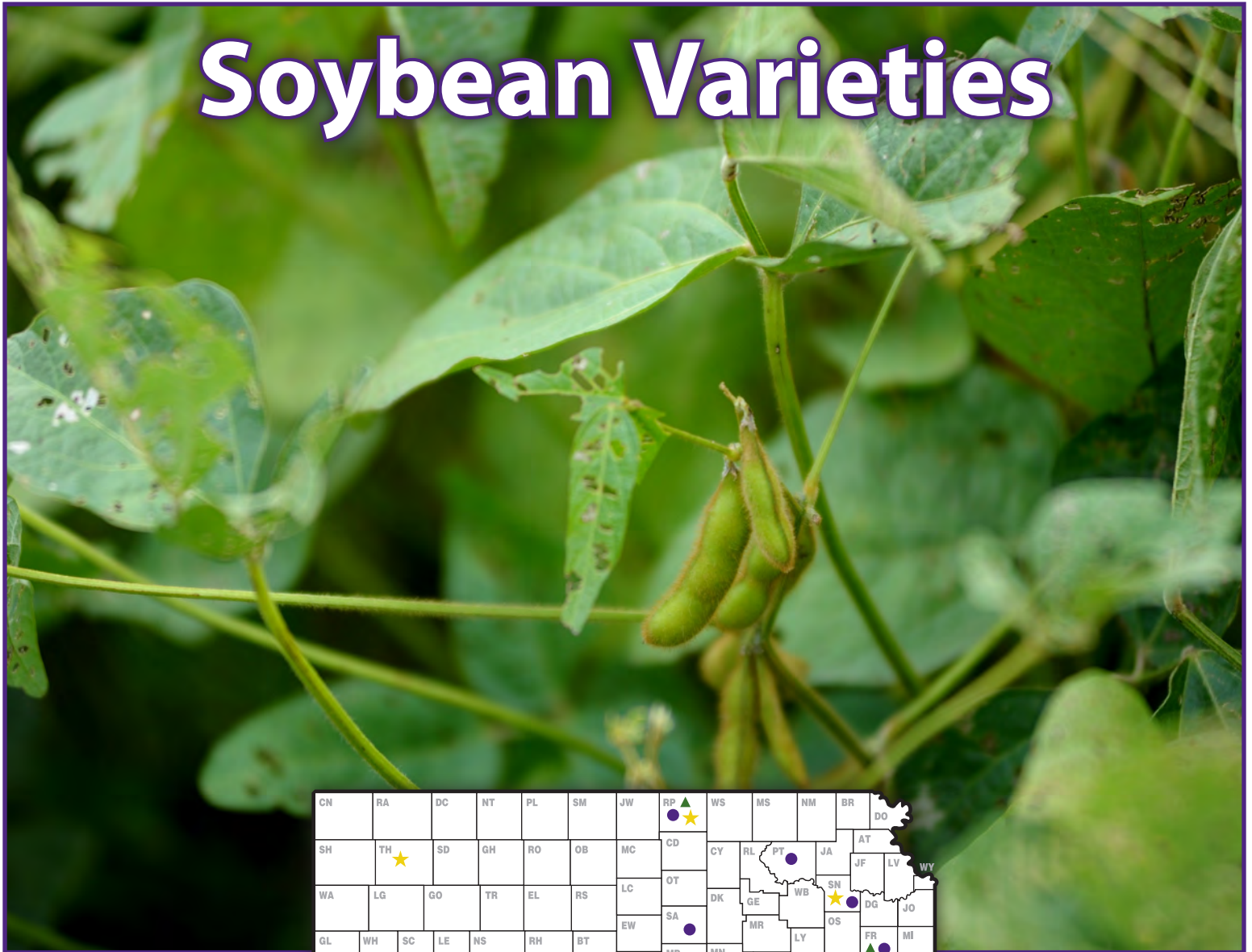


2014 Kansas Performance Tests with

Soybean Varieties



Report of Progress 1112



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2014 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 two or 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.agronomy.k-state.edu/services/crop-performance-tests/soybean>

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, 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 2014 Kansas Soybean Performance Tests

Arkansas Ag. Exp. Stn. (AES)
Fayetteville, AK
479-871-6972

LG Seeds
Elmwood, IL
800-752-6847
lgseeds.com

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

Iowa State University
Ames, IA
515-292-3497

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

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

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

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

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

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

Mycogen Seeds
Indianapolis, IN
800-MYCOGEN
dow.com

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

Bayer CropScience
Dewitt, AR
806-784-1228
bayer.com

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

Lance Rezac Farm, Onaga, Pottawatomie County: Bill Schapaugh, agronomist

Wabash silty clay

Dry early season conditions led to short beans, but cooler midsummer months as well as timely rains boosted yield recovery.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.2	3.4	6.7	1.4	3.2	3.2	21.1

Planted 5/6/2014 at 8 seeds/ft; harvested 10/8/2014; 11 ft. by 4 row plot; pesticides: Pre-emerge 2.5 oz Valor XLT+ 3 oz Authority First + 1 pt Dual II Magnum. Post-emerge 1 qt Roundup.

Table 2. Onaga, Pottawatomie County Dryland Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
BAYER	BX 3560 RY	47.3	--	--	--	--	97	--	--	9/19	1.0	23
LG SEEDS	C3989R2	52.3	58.9	37.8	55.6	49.7	107	109	109	9/23	1.0	26
LG SEEDS	C4010R2	49.8	--	--	--	--	102	--	--	9/26	1.0	25
MIDLAND	3775NR2	47.1	--	--	--	--	97	--	--	9/23	1.0	28
MIDLAND	3855NR2	48.7	--	--	--	--	100	--	--	9/23	1.0	28
MIDLAND	3925NR2	49.5	--	--	--	--	102	--	--	9/26	1.0	28
MIDLAND	3983NR2	51.8	46.8	36.9	49.3	45.2	106	87	106	9/27	1.0	27
MIDLAND	4044NR2	50.7	53.5	--	52.1	--	104	99	--	9/25	1.0	25
MIDLAND	4373NR2	46.9	52.6	37.4	49.7	45.6	96	98	107	9/27	1.0	26
MIDLAND	4614NRS2	51.6	--	--	--	--	106	--	--	10/4	1.0	31
MORSOY	38x52	47.0	54.3	--	50.7	--	97	101	--	9/24	1.0	26
MORSOY	39x14	49.8	--	--	--	--	102	--	--	9/25	1.0	26
NK	S38-W4	47.9	--	--	--	--	98	--	--	9/17	1.0	29
PHILLIPS	363 NR2YE	45.9	53.2	--	49.5	--	94	99	--	9/17	1.0	27
PHILLIPS	375 NR2YS	45.6	50.3	--	47.9	--	94	93	--	9/24	1.0	26
PHILLIPS	383 NR2YE	52.7	51.7	--	52.2	--	108	96	--	9/21	1.0	28
PHILLIPS	384 NR2YS	47.4	56.4	--	51.9	--	97	105	--	9/23	1.0	28
PHILLIPS	392 NR2YS	53.6	51.9	37.6	52.7	47.7	110	96	108	9/26	1.0	29
PHILLIPS	411 NR2Y	47.1	51.2	--	49.1	--	97	95	--	9/28	1.0	26
	AVERAGES	48.7	53.8	34.8								
	CV (%)	7.2	6.9	5.0								
	LSD (0.10)	4.1	4.4	2.1								

Values in bold are in the upper LSD group.

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

Short beans and some weed pressure before flowering stages led to below-average yields with SDS and SCN hitting late in the season.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.2	3.4	6.7	1.4	3.2	3.2	21.1

Planted 5/20/2014 at 8 seeds/ft; harvested 10/16/2014; 11 ft. by 4 row plot; pesticides: Pre-emerge Verdict 10 oz + Renegade 2.0 (2%) + 2,4-D LV6 10 oz. Post-emerge Durango 36 oz + Shadow 12 oz + Brimstone 3 pt/100 gal + Crosshair 4 oz.

Table 3. Topeka, Shawnee County Dryland Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
MIDLAND	3633NR2	54.0	58.1	39.6	56.0	50.6	91	112	107	10/1	1.3	30
MIDLAND	3685NR2	60.1	--	--	--	--	102	--	--	10/2	1.0	34
MIDLAND	3775NR2	56.7	--	--	--	--	96	--	--	10/3	1.0	27
MIDLAND	3855NR2	59.7	--	--	--	--	101	--	--	10/2	1.0	30
MIDLAND	3884NR2	55.8	58.6	--	57.2	--	94	113	--	10/3	1.3	30
MIDLAND	3925NR2	57.0	--	--	--	--	97	--	--	10/7	1.0	30
MIDLAND	3983NR2	65.1	51.0	37.7	58.1	51.3	110	98	102	10/2	1.3	33
MIDLAND	4044NR2	51.8	52.7	--	52.3	--	88	102	--	10/3	1.0	34
MIDLAND	4373NR2	56.4	55.4	36.6	55.9	49.5	95	107	99	10/5	1.3	26
MIDLAND	4614NRS2	62.9	--	--	--	--	106	--	--	10/7	2.0	29
MORSOY	38x52	55.8	57.7	--	56.7	--	94	111	--	10/3	1.5	33
MORSOY	39x14	60.0	--	--	--	--	102	--	--	10/3	1.0	34

Table 3 continued. Topeka, Shawnee County Dryland Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF			2014		
		2014	2013	2012	2-yr AVG.	3-yr AVG	TEST AVERAGE			Mat	Lodge score	Ht (in)
							2014	2013	2012			
MORSOY	43x53	61.7	52.7	--	57.2	--	104	102	--	10/3	1.0	34
MORSOY	Exp 43x44	57.1	--	--	--	--	97	--	--	10/3	2.0	40
NK	S38-W4	50.8	--	--	--	--	86	--	--	10/2	2.0	37
NK	S39-U2	54.6	--	--	--	--	92	--	--	10/3	1.0	27
NK	S46-12	63.0	--	--	--	--	107	--	--	10/9	2.5	38
PHILLIPS	363 NR2YE	65.7	60.4	--	63.1	--	111	117	--	10/5	1.8	34
PHILLIPS	375 NR2YS	54.8	57.8	--	56.3	--	93	112	--	10/4	1.0	33
PHILLIPS	383 NR2YE	57.0	54.7	--	55.8	--	96	106	--	10/1	1.3	33
PHILLIPS	384 NR2YS	54.8	56.5	--	55.7	--	93	109	--	10/3	2.0	32
PHILLIPS	411 NR2Y	58.7	53.6	38.8	56.2	50.4	99	103	105	10/5	2.0	37
WILLCROSS	RY2394N	60.7	--	--	--	--	103	--	--	10/3	1.0	35
WILLCROSS	RY2470NS	66.7	--	--	--	--	113	--	--	10/9	1.8	38
WILLCROSS	RY2494NS	64.8	42.1	--	53.5	--	110	81	--	10/9	1.8	36
WILLCROSS	WX 2454N	69.9	--	--	--	--	118	--	--	10/7	1.7	28
WILLCROSS	WX 2464NS	59.2	48.4	--	53.8	--	100	93	--	10/9	2.0	37
WILLCROSS	WX 2495N	59.4	--	--	--	--	101	--	--	10/7	1.3	40
	AVERAGES	59.1	51.8	37.1								
	CV (%)	9.3	5.9	8.8								
	LSD (0.10)	6.5	3.6	4.5								

Values in bold are in the upper LSD group.

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

Short beans and some weed pressure before flowering stages led to below-average yields with SDS and SCN hitting late in the season.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.5	2.4	5.7	1.1	2.2	3.2	17.1
Irrigation:				1.5	2.3		3.8

Planted 5/14/2014 at 8 seeds/ft; harvested 9/30/2014; 11 ft. by 4 row plot; pesticides: Pre-emerge Authority Maxx 5.6 oz + Cinch 1.5 pt. Post-emerge Roundup Powermax 22 oz + Assure II 12 oz + Outlook 12 oz.

Table 4. Topeka, Shawnee County Irrigated Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
BAYER	BX 3560 RY	41.5	--	--	--	--	102	--	--	9/17	1.5	32
BAYER	BX 4181 RY	30.5	--	--	--	--	75	--	--	9/17	2.0	40
BAYER	HBK RY4620	29.7	--	56.6	--	--	73	--	104	9/27	1.8	36
BAYER	HBK RY4721	37.0	--	47.5	--	--	91	--	87	9/27	3.5	40
MIDLAND	3465NR2	39.8	--	--	--	--	98	--	--	9/14	2.3	37
MIDLAND	3633NR2	37.3	68.6	60.3	52.9	55.4	92	99	111	9/14	1.3	33
MIDLAND	3685NR2	43.1	--	--	--	--	106	--	--	9/21	1.8	37
MIDLAND	3775NR2	39.6	--	--	--	--	97	--	--	9/21	1.0	34
MIDLAND	3855NR2	43.2	--	--	--	--	106	--	--	9/21	1.8	36
MIDLAND	3884NR2	47.0	75.4	--	61.2	--	116	109	--	9/21	1.8	34
MIDLAND	3925NR2	45.7	--	--	--	--	112	--	--	9/23	1.0	36
MIDLAND	3983NR2	36.9	71.7	58.3	54.3	55.6	91	103	107	9/19	1.8	34
MIDLAND	4044NR2	34.8	60.8	--	47.8	--	85	88	--	9/18	1.0	33
MIDLAND	4373NR2	44.3	80.9	52.6	62.6	59.3	109	117	97	9/23	1.3	37
MORSOY	38x52	47.3	--	--	--	--	116	--	--	9/21	2.3	33
MORSOY	39x14	45.9	--	--	--	--	113	--	--	9/23	1.3	34
MORSOY	43x53	32.0	73.2	--	52.6	--	79	105	--	9/26	1.8	33
MORSOY	Exp 43x44	34.8	--	--	--	--	86	--	--	9/25	2.5	39
NK	S38-W4	46.9	--	--	--	--	115	--	--	9/18	2.5	40
NK	S39-U2	43.5	--	--	--	--	107	--	--	9/21	2.0	34
NK	S46-12	27.6	--	--	--	--	68	--	--	9/25	1.5	37
PHILLIPS	363 NR2YE	45.3	82.2	--	63.7	--	111	118	--	9/19	2.0	36
PHILLIPS	375 NR2YS	39.0	75.9	--	57.4	--	96	109	--	9/23	1.3	34
PHILLIPS	383 NR2YE	46.2	63.2	--	54.7	--	114	91	--	9/21	1.5	38
PHILLIPS	411 NR2Y	44.5	66.8	70.9	55.7	60.7	109	96	130	9/27	1.8	34
WILLCROSS	RY2394N	36.0	--	--	--	--	88	--	--	9/21	1.3	35
WILLCROSS	RY2470NS	44.7	--	--	--	--	110	--	--	9/14	1.5	36
WILLCROSS	RY2494NS	33.2	68.6	--	50.9	--	82	99	--	9/27	2.3	38
WILLCROSS	WX 2454N	39.6	--	--	--	--	97	--	--	9/25	2.0	35
WILLCROSS	WX 2464NS	53.9	81.1	--	67.5	--	133	117	--	9/29	2.5	41
WILLCROSS	WX 2495N	42.7	--	--	--	--	105	--	--	9/24	3.3	41
	AVERAGES	40.7	69.4	54.4								
	CV (%)	19.9	12.8	21.7								
	LSD (0.10)	9.5	10.5	16.0								

Values in bold are in the upper LSD group.

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

Woodson silt loam

Optimal planting and early season moisture led to excellent stands, but late-season drought stress in August and September knocked the top end off of yields.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.3	1.2	6.6	0.8	1.4	3.4	16.7

Planted 5/16/2014 at 8 seeds/ft; harvested 10/18/2014; 26 ft. by 4 row plot; pesticides: Pre-emerge Authority Maxx 5.6 oz + Cinch 1.5 pt. Post-emerge Roundup Powermax 22 oz + Assure II 12 oz + Outlook 12 oz.

Table 5. Ottawa, Franklin County Dryland Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
MIDLAND	3633NR2	46.3	--	--	--	--	114	--	--	9/11	1.0	31
MIDLAND	3925NR2	43.1	--	--	--	--	106	--	--	9/25	1.0	30
MIDLAND	3983NR2	44.4	61.4	17.7	52.9	41.2	110	106	76	9/24	1.0	34
MIDLAND	4044NR2	39.6	67.0	--	53.3	--	98	116	--	9/23	1.0	28
MIDLAND	4373NR2	40.7	64.9	28.5	52.8	44.7	100	112	122	10/7	1.0	31
MIDLAND	4614NRS2	35.2	--	--	--	--	87	--	--	10/9	1.0	37
MIDLAND	4745NRS2	42.5	--	--	--	--	105	--	--	10/10	1.0	33
MIDLAND	4963NRS2	32.3	--	--	--	--	80	--	--	10/10	1.0	35
MORSOY	39x14	42.5	--	--	--	--	105	--	--	9/23	1.0	29
MORSOY	43x53	38.6	61.7	--	50.2	--	95	107	--	10/5	1.0	33
MORSOY	45x73	38.5	--	--	--	--	95	--	--	10/8	1.0	36
MORSOY	47x12	34.6	55.3	24.5	44.9	38.1	85	96	105	10/9	1.0	40
MORSOY	47x54	34.5	--	--	--	--	85	--	--	10/10	1.0	37
MORSOY	48x22	28.0	--	--	--	--	69	--	--	10/10	1.0	34
MORSOY	Exp 43x44	44.2	--	--	--	--	109	--	--	10/7	1.0	38
NK	S38-W4	50.5	--	--	--	--	125	--	--	9/22	1.0	33
NK	S39-U2	45.4	--	--	--	--	112	--	--	9/19	1.0	30
NK	S46-12	40.8	--	--	--	--	101	--	--	10/8	1.0	34
PHILLIPS	384 NR2YS	41.9	--	--	--	--	103	--	--	9/23	1.0	32
PHILLIPS	392 NR2YS	38.3	--	--	--	--	94	--	--	9/24	1.0	32
PHILLIPS	411 NR2Y	44.0	--	--	--	--	108	--	--	10/7	1.0	29
PHILLIPS	433 NR2YS	39.2	--	--	--	--	97	--	--	10/8	1.0	29
PHILLIPS	454 R2YSE	42.6	--	--	--	--	105	--	--	10/7	1.0	29
WILLCROSS	RY2394N	50.6	--	--	--	--	125	--	--	9/21	1.0	31
WILLCROSS	RY2470NS	33.2	--	--	--	--	82	--	--	10/9	1.0	35
WILLCROSS	RY2494NS	35.7	53.5	--	44.6	--	88	93	--	10/11	1.0	34
WILLCROSS	WX 2454N	40.9	--	--	--	--	101	--	--	10/9	1.0	30
WILLCROSS	WX 2464NS	46.2	59.0	--	52.6	--	114	102	--	10/9	1.0	34
WILLCROSS	WX 2495N	36.0	--	--	--	--	89	--	--	10/9	1.0	36
	AVERAGES	40.5	57.7	23.4								
	CV (%)	13.7	6.1	17.3								
	LSD (0.10)	6.5	4.2	4.7								

Values in bold are in the upper LSD group.

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

Parsons Silt Loam

Early summer rains led to late planting, but beans recovered, and cool weather during the summer and late-summer rains led to good yields.

April May June July Aug. Sept. Total

Rainfall: 0.9 0.4 4.8 1.4 5.5 3.4 16.3

Planted 7/7/2014 at 7 seeds/ft; harvested 11/12/2014; 14 ft. by 4 row plot; pesticides: Pre-emerge 1.5 pt Dual II Magnum + 6 oz Authority XL- Post-emerge with 1 qt glyphosate + .33 oz Classic.

Table 6. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups III-IV, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
BAYER	BX 4181 RY	41.6	--	--	--	--	92	--	--	10/21	1.0	25
BAYER	HBK RY4620	44.8	46.2	38.3	45.5	43.1	99	110	99	10/23	1.0	24
BAYER	HBK RY4721	45.6	43.3	42.1	44.5	--	101	95	--	10/25	1.0	30
MIDLAND	4373NR2	40.5	43.1	38.5	41.8	40.7	90	103	99	10/21	1.0	23
MIDLAND	4614NRS2	45.7	--	--	--	--	101	--	--	10/22	1.0	28
MIDLAND	4745NRS2	46.2	--	--	--	--	102	--	--	10/25	1.0	27
MORSOY	45x73	46.5	--	--	--	--	103	--	--	10/22	1.0	29
MORSOY	47x12	51.0	50.3	--	50.7	--	113	110	--	10/26	1.0	30
MORSOY	47x54	46.4	--	--	--	--	103	--	--	10/24	1.0	26
MYCOGEN	5N479R2	49.1	--	--	--	--	109	--	--	10/26	1.0	30
MYCOGEN	X54490R2	46.5	--	--	--	--	103	--	--	10/26	1.0	30
WILLCROSS	RY2470NS	45.3	--	--	--	--	100	--	--	10/25	1.0	27
	AVERAGES	45.1	42.0	38.7								
	CV (%)	5.4	7.7	5.6								
	LSD (0.10)	2.9	3.9	2.6								

Values in bold are in the upper LSD group.

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

Parsons Silt Loam

Early summer rains led to late planting but beans recovered, and cool weather during the summer and late-summer rains led to good yields.

April May June July Aug. Sept. Total

Rainfall: 1.5 2.8 9.4 1.1 1.8 6.7 23.3

Planted 7/7/2014 at 7 seeds/ft; harvested 11/12/2014; 14 ft. by 4 row plot; pesticides: Pre-emerge 1.5 pt Dual II Magnum + 6 oz Authority XL- Post-emerge with 1 qt glyphosate + .33 oz Classic.

Table 7. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups IV-V, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
ARKANSAS	R04-1250RR	47.2	43.8	--	45.5	--	105	96	--	10/29	1.0	35
ARKANSAS	R04-1268RR	41.5	46.7	--	44.1	--	92	102	--	10/28	1.0	33
MIDLAND	4963NRS2	41.8	--	--	--	--	93	--	--	10/25	1.0	28
MIDLAND	5134NR2	41.0	45.5	--	43.3	--	91	100	--	10/25	1.0	32
MORSOY	48x22	44.4	--	--	--	--	98	--	--	10/25	1.0	28
MORSOY	50x64	48.0	--	--	--	--	106	--	--	10/24	1.0	30
MORSOY	Exp 52014	46.7	--	--	--	--	104	--	--	10/26	1.0	32
MORSOY	Exp 52114	45.0	--	--	--	--	100	--	--	10/25	1.0	28
MYCOGEN	5N550R2	45.0	47.1	--	46.0	--	100	103	--	10/29	1.0	36
MYCOGEN	X54522R2	42.3	--	--	--	--	94	--	--	10/26	1.0	35
WILLCROSS	RY2494NS	43.3	51.6	--	47.5	--	96	113	--	10/26	1.0	28
WILLCROSS	WX 2495N	48.1	--	--	--	--	107	--	--	10/24	1.0	28
WILLCROSS	WX 2524N	48.9	--	--	--	--	109	--	--	10/26	1.0	35
WILLCROSS	WX 2534N	45.7	--	--	--	--	101	--	--	10/25	1.0	27
WILLCROSS	WX 2554N	47.6	--	--	--	--	105	--	--	10/28	1.0	35
	AVERAGES	45.1	45.7	39.9								
	CV (%)	6.0	6.3	6.6								
	LSD (0.10)	3.2	3.4	3.1								

Values in bold are in the upper LSD group.

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

Optimal planting conditions led to great stands and early season growth, but midsummer drought conditions reduced yield potentials. Late season rains recovered some top-end yield.

April May June July Aug. Sept. Total

Rainfall: 1.7 2.6 6.0 2.4 2.2 1.0 15.8

Planted 6/25/2014 at 8 seeds/ft; harvested 11/12/2014; 12 ft. by 4 row plot; pesticides: Pre-emerge Authority First 6 oz+ Dual II Magnum 1 pt.

Table 8. McCune, Crawford County Dryland Soybean Performance Test, Maturity Groups III-IV, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
BAYER	BX 4181 RY	49.9	--	--	--	--	98	--	--	10/21	1.0	29
BAYER	HBK RY4620	51.6	47.9	54.3	49.7	51.3	102	102	104	10/24	1.0	26
BAYER	HBK RY4721	49.1	--	--	--	--	97	--	--	10/24	1.0	32
MIDLAND	4373NR2	48.2	47.2	57.4	47.7	50.9	95	101	110	10/22	1.0	24
MIDLAND	4614NRS2	52.1	--	--	--	--	103	--	--	10/21	1.0	30
MIDLAND	4745NRS2	53.0	--	--	--	--	104	--	--	10/25	1.0	30
MORSOY	47x12	54.9	--	--	--	--	108	--	--	10/26	1.0	33
MORSOY	47x54	52.0	--	--	--	--	102	--	--	10/26	1.0	28
WILLCROSS	RY2470NS	53.8	--	--	--	--	106	--	--	10/25	1.0	30
	AVERAGES	50.8	46.9	52.2								
	CV (%)	4.6	6.9	9.2								
	LSD (0.10)	2.8	3.9	5.7								

Values in bold are in the upper LSD group.

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

Optimal planting conditions led to great stands and early season growth, but midsummer drought conditions reduced yield potentials. Late season rains recovered some top end yield.

April May June July Aug. Sept. Total

Rainfall: 1.7 2.6 6.0 2.4 2.2 1.0 15.8

Planted 6/25/2014 at 8 seeds/ft; harvested 11/12/2014; 12 ft. by 4 row plot; pesticides: Pre-emerge Authority First 6 oz+ Dual II Magnum 1 pt.

Table 9. McCune, Crawford County Dryland Soybean Performance Test, Maturity Groups IV-V, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
ARKANSAS	R04-1250RR	49.2	55.4	--	52.3	--	98	96	--	10/29	1.0	35
ARKANSAS	R04-1268RR	48.5	52.4	--	50.5	--	97	91	--	10/29	1.0	33
MIDLAND	4963NRS2	54.4	--	--	--	--	108	--	--	10/25	1.0	29
MIDLAND	5134NR2	51.5	59.0	--	55.3	--	103	102	--	10/25	1.0	35
MORSOY	48x22	51.1	--	--	--	--	102	--	--	10/26	1.0	29
MORSOY	50x64	44.8	--	--	--	--	89	--	--	10/25	1.0	31
MORSOY	Exp 52014	53.7	--	--	--	--	107	--	--	10/27	1.0	34
MORSOY	Exp 52114	49.9	--	--	--	--	99	--	--	10/27	1.0	28
PIONEER	95Y10	53.1	59.0	54.5	56.1	55.5	106	102	100	10/26	1.0	28
WILLCROSS	RY2394N	37.5	--	--	--	--	75	--	--	10/16	1.0	27
WILLCROSS	RY2494NS	55.4	50.0	--	52.7	--	110	86	--	10/26	1.0	29
WILLCROSS	WX 2495N	50.9	--	--	--	--	101	--	--	10/21	1.0	28
WILLCROSS	WX 2524N	53.6	--	--	--	--	107	--	--	10/27	1.0	34
WILLCROSS	WX 2534N	48.1	--	--	--	--	96	--	--	10/28	1.0	28
WILLCROSS	WX 2554N	53.1	--	--	--	--	106	--	--	10/29	1.0	35
	AVERAGES	50.2	57.9	54.5								
	CV (%)	5.1	7.4	5.9								
	LSD (0.10)	3.0	5.1	3.8								

Values in bold are in the upper LSD group.

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

Lanton Silt Loam

Good bottom ground with excellent early season moisture and cool summer months led to excellent yields.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.8	2.3	7.6	1.1	2.0	6.4	21.2

Planted 5/19/2014 at 9 seeds/ft; harvested 11/11/2014; 14 ft. by 4 row plot; pesticides: Pre-emerge with 1.5 pt Dual II Magnum + 6 oz Authority XL. Post-emerge with .5 Classic + 2 oz Butyrac 200. Sprayed with 1 qt glyphosate + .33 oz Classic.

Table 10. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups III-IV, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
BAYER	BX 4181 RY	46.4	--	--	--	--	108	--	--	9/23	1.0	43
BAYER	HBK RY4620	37.2	57.9	53.5	47.6	49.5	86	110	121	10/1	1.0	40
BAYER	HBK RY4721	39.2	--	--	--	--	91	--	--	10/5	1.0	45
MIDLAND	4614NRS2	44.6	--	--	--	--	103	--	--	10/4	1.0	44
MIDLAND	4745NRS2	45.8	--	--	--	--	106	--	--	10/6	1.0	43
MORSOY	45x73	45.5	--	--	--	--	105	--	--	10/5	1.0	42
MORSOY	47x12	45.3	--	--	--	--	105	--	--	10/5	1.0	47
MORSOY	47x54	45.5	--	--	--	--	105	--	--	10/7	1.0	43
MYCOGEN	5N479R2	40.3	--	--	--	--	93	--	--	10/5	1.0	47
MYCOGEN	X54490R2	43.2	--	--	--	--	100	--	--	10/11	1.0	45
PHILLIPS	375 NR2YS	45.0	--	--	--	--	104	--	--	9/20	1.0	38
PHILLIPS	383 NR2YE	47.8	--	--	--	--	111	--	--	9/15	1.0	40
PHILLIPS	384 NR2YS	41.2	--	--	--	--	95	--	--	9/23	1.0	41
PHILLIPS	392 NR2YS	32.5	--	--	--	--	75	--	--	9/21	1.0	41
PHILLIPS	411 NR2Y	47.9	--	--	--	--	111	--	--	9/30	1.0	40
PHILLIPS	433 NR2YS	42.6	--	--	--	--	99	--	--	9/28	1.0	36
PHILLIPS	454 R2YSE	45.9	--	--	--	--	106	--	--	9/29	1.0	39
	AVERAGES	43.2	52.5	44.1								
	CV (%)	9.7	7.0	8.5								
	LSD (0.10)	5.0	4.4	4.4								

Values in bold are in the upper LSD group.

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

Lanton Silt Loam

Good bottom ground with excellent early season moisture and cool summer months led to excellent yields.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.8	2.3	7.6	1.1	2.0	6.4	21.2

Planted 5/19/2014 at 9 seeds/ft; harvested 11/11/2014; 14 ft. by 4 row plot; pesticides: Sprayed June 21 with 1.5 pt Dual II Magnum + 6 oz Authority XL. Sprayed July 10 with .5 Classic + 2 oz Butyrac 200. Sprayed August 19 with 1 qt glyphosate + .33 oz Classic.

Table 11. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups IV-V, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
ARKANSAS	R04-1250RR	31.3	57.6	--	44.4	--	83	102	--	10/23	1.0	41
ARKANSAS	R04-1268RR	41.4	55.6	--	48.5	--	110	98	--	10/21	1.0	38
MIDLAND	4963NRS2	34.6	--	--	--	--	92	--	--	10/1	1.0	41
MIDLAND	5134NR2	40.2	58.5	--	49.3	--	107	104	--	10/10	1.0	48
MORSOY	48x22	32.7	--	--	--	--	87	--	--	10/2	1.0	40
MORSOY	50x64	39.8	--	--	--	--	106	--	--	10/10	1.0	43
MORSOY	Exp 52014	39.4	--	--	--	--	105	--	--	10/21	1.0	43
MORSOY	Exp 52114	40.6	--	--	--	--	108	--	--	10/5	1.0	42
MYCOGEN	5N550R2	37.7	62.6	--	50.2	--	101	111	--	10/17	1.1	45
MYCOGEN	X54522R2	37.9	--	--	--	--	101	--	--	10/19	1.0	43
	AVERAGES	37.6	56.5	47.3								
	CV (%)	12.9	5.2	7.7								
	LSD (0.10)	5.8	3.5	4.3								

Values in bold are in the upper LSD group.

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

Parsons Silt Loam

Dry planting and early season drought and heat stress led to short beans. Fall rains recovered some yield losses. Insect and disease pressure were high.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.8	2.3	7.6	1.1	2.0	6.4	21.2

Planted 6/20/2014 at 7 seeds/ft; harvested 11/11/2014; 50 ft. by 4 row plot; pesticides: Post-emerge Roundup 32 oz.

Table 12. Pittsburg, Cherokee County Double-Cropped Soybean Performance Test, Maturity Groups IV-V, 2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
MIDLAND	4614NRS2	34.8	--	--	--	--	103	--	--	10/23	1.0	24
MIDLAND	4745NRS2	34.2	--	--	--	--	101	--	--	10/25	1.0	23
MIDLAND	4963NRS2	38.2	--	--	--	--	113	--	--	10/27	1.0	23
MIDLAND	5134NR2	34.4	--	--	--	--	102	--	--	10/25	1.1	26
PIONEER	95Y10	34.5	--	--	--	--	102	--	--	10/29	1.0	22
WILLCROSS	RY2394N	23.3	--	--	--	--	69	--	--	10/20	1.0	22
WILLCROSS	RY2470NS	34.9	--	--	--	--	104	--	--	10/24	1.0	24
WILLCROSS	RY2494NS	37.2	--	--	--	--	110	--	--	10/27	1.0	22
WILLCROSS	WX 2495N	36.4	--	--	--	--	108	--	--	10/25	1.0	24
WILLCROSS	WX 2524N	40.4	--	--	--	--	120	--	--	10/28	2.0	28
WILLCROSS	WX 2534N	33.8	--	--	--	--	100	--	--	10/23	1.0	22
WILLCROSS	WX 2554N	34.9	--	--	--	--	104	--	--	10/27	1.8	27
	AVERAGES	33.7	--	--								
	CV (%)	4.1	--	--								
	LSD (0.10)	1.6	--	--								

Values in bold are in the upper LSD group.

North Central Experiment Field, Scandia, Republic County: Michael Larson, agronomist

Crete silt loam

Optimal planting conditions. Early season heat stressed plants, but good moisture throughout the summer led to average yields.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	0.7	0.4	4.6	1.4	4.4	3.4	14.9
Irrigation:				4.3	1.3		5.6

Planted 5/23/2014 at 9 seeds/ft; harvested 10/22/2014; 26 ft. by 2 row plot; pesticides: Burndown applied 2,4-D 1 qt and glyphosate 1 qt on 5/9. Post-emerge glyphosate 1 qt on 6/13 and 7/18.

Table 13. Scandia, Republic County Irrigated Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
BAYER	BX 3560 RY	73.0	--	--	--	--	119	--	--	--	1.0	36
BAYER	BX 4181 RY	56.8	--	--	--	--	93	--	--	--	1.0	44
MIDLAND	3465NR2	57.2	--	--	--	--	93	--	--	--	1.0	38
MIDLAND	3685NR2	61.7	--	--	--	--	100	--	--	--	1.0	40
MIDLAND	3775NR2	57.8	--	--	--	--	94	--	--	--	1.0	40
MIDLAND	3855NR2	55.2	--	--	--	--	90	--	--	--	1.1	40
MIDLAND	3884NR2	59.2	60.9	--	60.0	--	96	105	--	--	1.0	36
MIDLAND	3925NR2	53.3	--	--	--	--	87	--	--	--	1.0	37
MIDLAND	3983NR2	57.9	62.7	74.4	60.3	65.0	94	108	99	--	1.0	39
MIDLAND	4044NR2	62.8	57.9	--	60.3	--	102	100	--	--	1.0	42
NK	S30-C1	64.5	--	--	--	--	105	--	--	--	1.0	28
NK	S32-L8	64.6	--	--	--	--	105	--	--	--	1.0	36
NK	S34-N3	63.8	--	76.7	--	--	104	--	102	--	1.0	36
NK	S35-A5	61.1	--	--	--	--	100	--	--	--	1.0	40
NK	S38-W4	62.3	63.5	--	62.9	--	101	110	--	--	1.0	40
PHILLIPS	363 NR2YE	65.0	56.1	--	60.5	--	106	97	--	--	1.0	42
PHILLIPS	375 NR2YS	62.9	58.3	--	60.6	--	102	101	--	--	1.0	43
PHILLIPS	383 NR2YE	55.9	55.3	--	55.6	--	91	96	--	--	1.0	41
PHILLIPS	411 NR2Y	64.6	53.5	--	59.1	--	105	92	--	--	1.0	42
	AVERAGES	61.4	57.9	75.5								
	CV (%)	8.6	8.3	5.5								
	LSD (0.10)	7.4	6.6	5.6								

Values in bold are in the upper LSD group.

North Central Kansas Experiment Field, Belleville, Republic County: Michael Larson, agronomist

Crete silt loam

Optimal planting conditions. Early season heat stressed plants, but good moisture throughout the summer led to average yields.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	0.7	0.4	4.6	1.4	4.4	3.4	14.9

Planted 5/14/2014 at 8 seeds/ft; harvested 10/17/2014; 23 ft. by 4 row plot; pesticides: Burndown applied 2,4-D 1 qt and glyphosate 1 qt on 4/30. Post-emerge glyphosate 1 qt on 6/4 and 7/9.

Table 14. Belleville, Republic County Dryland Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
LG SEEDS	C3989R2	68.4	47.1	--	57.7	--	114	114	--	--	1.0	27
LG SEEDS	C4010R2	54.1	--	--	--	--	90	--	--	--	1.0	25
MIDLAND	3465NR2	61.6	--	--	--	--	103	--	--	--	1.0	27
MIDLAND	3633NR2	64.1	42.8	49.0	53.5	52.0	107	103	97	--	1.0	25
MIDLAND	3685NR2	61.3	--	--	--	--	102	--	--	--	1.0	27
MIDLAND	3775NR2	64.1	--	--	--	--	107	--	--	--	1.0	29
MIDLAND	3855NR2	53.2	--	--	--	--	88	--	--	--	1.0	25
MIDLAND	3884NR2	58.4	39.0	--	48.7	--	97	94	--	--	1.0	26
MIDLAND	3925NR2	52.7	--	--	--	--	88	--	--	--	1.0	28
MIDLAND	3983NR2	55.1	39.4	46.7	47.2	47.1	92	95	93	--	1.0	27
MIDLAND	4044NR2	65.5	51.2	--	58.4	--	109	124	--	--	1.0	24
MIDLAND	4373NR2	54.6	--	--	--	--	91	--	--	--	1.0	24
MYCOGEN	5N361R2	66.4	--	--	--	--	111	--	--	--	1.0	27
MYCOGEN	5N373R2	58.0	--	--	--	--	97	--	--	--	1.0	27

Table 14 continued. Belleville, Republic County Dryland Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	TEST AVERAGE			Mat	Lodge score	Ht (in)
							2014	2013	2012			
MYCOGEN	5N385R2	61.8	--	--	--	--	103	--	--	--	1.0	21
MYCOGEN	5N393R2	55.5	--	--	--	--	92	--	--	--	1.0	26
NK	S30-C1	65.9	--	--	--	--	110	--	--	--	1.0	22
NK	S32-L8	55.1	--	--	--	--	92	--	--	--	1.0	25
NK	S34-N3	54.6	--	47.6	--	--	91	--	95	--	1.0	25
NK	S35-A5	57.9	--	--	--	--	96	--	--	--	1.0	27
NK	S38-W4	63.1	40.4	--	51.8	--	105	98	--	--	1.0	30
PHILLIPS	363 NR2YE	65.0	42.8	--	53.9	--	108	103	--	--	1.0	25
PHILLIPS	375 NR2YS	56.1	42.1	--	49.1	--	93	102	--	--	1.0	28
PHILLIPS	383 NR2YE	56.5	37.0	--	46.7	--	94	89	--	--	1.0	26
PHILLIPS	384 NR2YS	60.8	38.0	--	49.4	--	101	92	--	--	1.0	28
PHILLIPS	411 NR2Y	62.7	45.7	--	54.2	--	104	110	--	--	1.0	22
	AVERAGES	60.1	41.4	50.3								
	CV (%)	12.8	13.1	13.7								
	LSD (0.10)	10.5	7.4	9.4								

Values in bold are in the upper LSD group.

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

Ladysmith silty clay loam

Adequate moisture at planting and early season rains led to good stands, but drought conditions in midsummer persisted and decreased flower set and pod fill.

April May June July Aug. Sept. Total

Rainfall: 1.3 4.0 7.7 0.7 2.4 4.1 20.2

Planted 5/20/2014 at 8 seeds/ft; harvested 10/21/2014; 12 ft. by 2 row plot; pesticides: Pre-emerge Valor XLT 5 oz. Sprayed July 1 Cobra 12 oz + Select 8 oz + 1%COC.

Table 15. Assaria, Saline County Dryland Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	TEST AVERAGE			Mat	Lodge score	Ht (in)
							2014	2013	2012			
MIDLAND	3775NR2	28.4	--	--	--	--	111	--	--	--	1.0	24
MIDLAND	3850NR2	24.8	45.7	34.2	35.2	34.9	97	94	92	--	1.0	24
MIDLAND	3981NR2	28.3	51.9	36.7	40.1	39.0	110	107	99	--	1.0	26
MIDLAND	4263NRS2	26.0	52.0	34.7	39.0	37.6	101	107	94	--	1.0	23
MIDLAND	4443NRS2	26.8	--	38.8	--	--	104	--	105	--	1.0	25
MIDLAND	4580RS2	25.5	49.0	37.8	37.3	37.4	99	101	102	--	1.0	24
MIDLAND	4593NRS2	24.7	45.6	39.2	35.1	36.5	96	94	106	--	1.0	26
MIDLAND	4614NRS2	29.7	49.6	--	39.7	--	116	102	--	--	1.0	26
MIDLAND	4792RS2	30.2	--	38.1	--	--	118	--	103	--	1.0	26
MIDLAND	4963NRS2	22.8	--	40.3	--	--	89	--	109	--	1.0	28
NK	S38-W4	22.8	--	--	--	--	89	--	--	--	1.0	28
PHILLIPS	375 NR2YS	27.8	45.2	--	36.5	--	108	93	--	--	1.0	28
PHILLIPS	383 NR2YE	25.3	52.5	--	38.9	--	99	108	--	--	1.0	26
PHILLIPS	384 NR2YS	22.7	48.9	--	35.8	--	89	101	--	--	1.0	27
PHILLIPS	392 NR2YS	26.5	52.3	37.3	39.4	38.7	103	108	101	--	1.0	25
PHILLIPS	411 NR2Y	23.0	48.5	42.6	35.8	38.0	90	100	115	--	1.0	23
PHILLIPS	417 NRSE	21.7	41.5	--	31.6	--	84	86	--	--	1.0	22
PHILLIPS	433 NR2YS	27.4	49.6	37.8	38.5	38.3	107	102	102	--	1.0	25
PHILLIPS	454 R2YSE	26.3	53.7	--	40.0	--	103	111	--	--	1.0	24
PHILLIPS	469 NR2YS	23.2	--	--	--	--	90	--	--	--	1.0	23
PHILLIPS	499 NR2YS	24.5	--	--	--	--	96	--	--	--	1.0	27
	AVERAGES	25.7	48.4	37.0								
	CV (%)	6.1	8.9	11.1								
	LSD (0.10)	1.9	5.1	4.8								

Values in bold are in the upper LSD group.

South Central Experiment Field, Hutchinson, Reno County: Gary Cramer, agronomist

Fine sandy loam

Good stands and adequate rain led to above-average yields.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	0.8	3.8	5.6	2.5	2.8	1.5	17.0
Irrigation:	1.9	2.7		1.0	4.8	1.0	11.4

Planted 6/4/2014 at 8 seeds/ft; harvested 11/14/2014; 11 ft. by 2 row plot; pesticides: Pre-emerge Intero 4 oz + First Rate 0.6 oz + Roundup Powermax 22 oz + AMS (2% w/v)+ NIS (.5% v/v). Post-emerge sprayed July 3, Roundup WeatherMax 32 oz + Warrant 48 oz + Section 8 oz.

Table 16. Hutchinson, Reno County Irrigated Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
BAYER	BX 4181 RY	41.6	--	--	--	--	97	--	--	--	1.5	32
BAYER	HBK RY4620	30.6	--	53.1	--	--	71	--	96	--	2.0	28
BAYER	HBK RY4721	35.7	--	51.2	--	--	83	--	93	--	2.3	36
LG SEEDS	C3770R2	40.8	61.1	--	51.0	--	95	94	--	--	1.3	26
LG SEEDS	C3989R2	53.1	59.4	48.4	56.3	53.6	124	91	88	--	1.0	26
LG SEEDS	C4010R2	45.1	--	--	--	--	105	--	--	--	1.3	27
LG SEEDS	C4696R2	47.0	--	--	--	--	109	--	--	--	2.0	28
LG SEEDS	C4780R2	48.2	--	--	--	--	112	--	--	--	2.0	34
MIDLAND	3775NR2	43.9	--	--	--	--	102	--	--	--	1.0	28
MIDLAND	3850NR2	39.1	64.0	49.6	51.5	50.9	91	98	90	--	1.3	26
MIDLAND	3981NR2	35.6	72.1	67.7	53.8	58.5	83	110	122	--	1.8	29
MIDLAND	4263NRS2	41.7	70.9	49.9	56.3	54.2	97	109	90	--	2.0	25
MIDLAND	4443NRS2	36.6	67.9	49.6	52.3	51.4	85	104	90	--	1.3	26
MIDLAND	4580RS2	51.1	68.0	59.0	59.5	59.4	119	104	107	--	1.3	28
MIDLAND	4593NRS2	46.9	67.5	64.3	57.2	59.6	109	103	116	--	2.0	31
MIDLAND	4614NRS2	38.4	68.9	--	53.6	--	89	106	--	--	2.3	31
MIDLAND	4792RS2	40.5	67.8	57.2	54.1	55.2	94	104	103	--	2.0	29
MIDLAND	4963NRS2	40.1	62.9	62.1	51.5	55.0	93	96	112	--	2.3	30
NUTECH/G2 GENETICS	7360	41.7	--	--	--	--	97	--	--	--	1.8	27
NUTECH/G2 GENETICS	7384	50.2	--	--	--	--	117	--	--	--	1.6	28
NUTECH/G2 GENETICS	7407	48.3	61.8	--	55.0	--	112	95	--	--	2.0	27
NUTECH/G2 GENETICS	7414	45.3	74.9	70.3	60.1	63.5	105	115	127	--	1.8	28
PHILLIPS	375 NR2YS	45.9	--	--	--	--	107	--	--	--	1.0	29
PHILLIPS	383 NR2YE	37.7	64.2	--	51.0	--	88	98	--	--	1.0	27
PHILLIPS	411 NR2Y	42.2	68.7	63.0	55.4	58.0	98	105	114	--	1.5	26
PHILLIPS	433 NR2YS	45.5	70.2	51.7	57.8	55.8	106	108	93	--	1.0	27
PHILLIPS	454 R2YSE	41.4	65.0	58.3	53.2	54.9	96	100	105	--	1.9	28
PHILLIPS	469 NR2YS	49.2	64.7	--	56.9	--	114	99	--	--	2.0	30
PHILLIPS	499 NR2YS	42.9	70.0	55.5	56.5	56.1	100	107	100	--	2.0	31
	AVERAGES	43.0	65.3	55.3								
	CV (%)	14.1	8.6	10.9								
	LSD (0.10)	7.2	6.6	7.0								

Values in bold are in the upper LSD group.

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

Keith silt loam

Average rainfall and below-average summer temperatures led to good stands and decent yields for this area.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	0.2	2.5	4.9	1.8	3.4	1.7	14.5
Irrigation:				6.7	4.8	1.9	13.4

Planted 5/20/2014 at 9 seeds/ft; harvested 10/13/2014; 23 ft. by 4 row plot; pesticides: Two applications of Roundup applied.

Table 17. Colby, Thomas County Irrigated Soybean Performance Test, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
LG SEEDS	C2835R2	60.0	79.4	58.3	69.7	65.9	91	94	--	9/19	1.0	23
LG SEEDS	C3070R2	57.9	--	--	--	--	87	--	--	9/19	1.0	23
LG SEEDS	C3220R2	64.2	79.0	63.3	71.6	68.8	97	94	106	9/25	1.0	26
LG SEEDS	C3245R2	58.8	--	--	--	--	89	--	--	9/24	1.0	25
LG SEEDS	C3555R2	66.1	--	--	--	--	100	--	--	9/27	1.0	27
MIDLAND	3855NR2	66.5	--	--	--	--	101	--	--	10/1	1.3	30
MIDLAND	3884NR2	71.6	93.4	--	82.5	--	108	111	--	10/5	1.5	27
MIDLAND	3925NR2	67.7	--	--	--	--	102	--	--	10/5	1.0	28
MIDLAND	3983NR2	72.2	91.9	66.1	82.0	76.7	109	109	111	10/5	1.0	28
MIDLAND	4044NR2	67.8	--	--	--	--	102	--	--	10/4	1.0	29
NK	S38-W4	65.5	--	--	--	--	99	--	--	9/30	1.0	27
PHILLIPS	363 NR2YE	68.6	--	--	--	--	104	--	--	9/30	1.0	28
PHILLIPS	375 NR2YS	67.2	--	--	--	--	102	--	--	10/2	1.0	29
PHILLIPS	383 NR2YE	64.6	--	--	--	--	108	--	--	10/2	1.0	29
	AVERAGES	66.2	84.1	59.6								
	CV (%)	6.7	5.9	14.2								
	LSD (0.10)	5.3	5.9	10.0								

Values in bold are in the upper LSD group.

East Central Kansas Experiment Field, Ottawa, Franklin County: Eric Adee, agronomist

Woodson silt loam

Optimal planting and early season moisture led to excellent stand, but late-season drought stress in August and September knocked the top end off of yields.

April May June July Aug. Sept. Total

Rainfall: 3.3 1.2 6.6 0.8 1.4 3.4 16.7

Planted 5/21/2014 at 8 seeds/ft; harvested 10/18/2014; 11 ft. by 4 row plot; pesticides: Pre-emerge Authority First 6 oz + Dual II Magnum 1 pt.

Table 18. Ottawa, Franklin County Dryland Conventional Soybean Performance Test, Maturity Groups III-IV, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
ASGROW	AG3731 RR check	46.2	--	--	--	-	114	-	--	9/18	1.0	30
BAYER	BX 3539 LL	48.8	--	--	--	-	120	-	--	9/15	1.0	26
BAYER	BX 3841 LL	41.6	--	--	--	-	102	-	--	9/22	1.0	33
BAYER	HBK LL4650	34.7	60.3	--	47.5	-	85	119	--	9/25	1.0	37
BAYER	HBK LL4653	29.3	--	--	--	-	72	-	--	10/2	1.0	33
ILLINOIS AES	LD00-2817P	37.7	--	--	--	-	93	-	--	9/25	1.0	30
IOWA AES	IA 3048	45.7	--	--	--	-	112	-	--	9/23	1.0	33
IOWA AES	IA3023	42.9	52.8	--	47.9	-	106	104	--	9/13	1.0	28
IOWA AES	IA4005	43.4	--	--	--	-	107	-	--	9/22	1.0	28
KANSAS AES	K07-1633	38.3	53.5	32.0	45.9	41.3	94	106	--	9/14	1.0	31
KANSAS AES	K10-8556	43.3	52.3	--	47.8	-	107	103	--	9/19	1.0	25
MORSOY	LL 3944	42.9	--	--	--	-	106	-	--	9/21	1.0	33
MORSOY	LL 4524	31.7	--	--	--	-	78	-	--	10/3	1.0	31
	AVERAGES	40.6	50.6	31.5								
	CV (%)	9.1	10.8	22.5								
	LSD (0.10)	4.4	6.4	8.4								

Values in bold are in the upper LSD group.

East Central Kansas Experiment Field, Ottawa, Franklin County: Eric Adee, agronomist

Woodson silt loam

Optimal planting and early season moisture led to excellent stands, but late-season drought stress in August and September knocked the top end off of yields.

April May June July Aug. Sept. Total

Rainfall: 3.3 1.2 6.6 0.8 1.4 3.4 16.7

Planted 5/21/2014 at 8 seeds/ft; harvested 10/18/2014; 12 ft. by 4 row plot; pesticides: Pre-emerge Authority First 6 oz + Dual II Magnum 1 pt.

Table 19. Ottawa, Franklin County Dryland Conventional Soybean Performance Test, Maturity Groups IV-V, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
ARKANSAS	OSAGE	41.5	41.6	--	41.5	-	112	82	--	10/27	1.8	34
ARKANSAS	OZARK	28.7	41.8	--	35.3	-	77	83	--	10/26	2.0	40
ARKANSAS	R05-374	33.7	--	--	--	-	91	-	--	10/28	3.8	46
ARKANSAS	R09-430	40.5	--	--	--	-	109	-	--	10/25	2.3	33
ARKANSAS	UA 5213C	33.3	44.8	--	39.1	-	90	89	--	10/24	2.3	39
ARKANSAS	UA 5612C	44.1	42.3	--	43.2	-	119	84	--	10/26	2.3	44
BAYER	HBK LL4850	35.4	48.4	--	41.9	-	95	96	--	10/8	1.0	34
BAYER	HBK LL4950	39.4	48.3	--	43.9	-	106	95	--	10/26	1.8	36
BAYER	HBK LL4953	37.3	--	--	--	-	101	-	--	10/27	1.3	31
	AVERAGES	37.1	50.6	--								
	CV (%)	7.7	10.8	--								
	LSD (0.10)	3.5	6.4	--								

Values in bold are in the upper LSD group.

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

Parsons Silt Loam

Early summer rains led to late planting, but beans recovered, and cool weather during the summer and late-summer rains led to good yields.

April May June July Aug. Sept. Total

Rainfall: 1.5 2.8 9.4 1.1 1.8 6.7 23.3

Planted 7/7/2014 at 7 seeds/ft; harvested 11/12/2014; 14 ft. by 2 row plot; pesticides: Pre-emerge with 1.5 pt Dual II Magnum + 6 oz Authority XL. Post-emerge with 1.5 pt Storm.

Table 20. Parsons, Labette County Dryland Conventional Soybean Performance Test, Maturity Groups III-IV, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
ASGROW	AG3731 RR check	38.3	--	--	--	--	109	--	--	10/16	1.0	21
BAYER	HBK LL4650	38.2	36.5	--	37.3	--	109	95	--	10/23	1.0	26
BAYER	HBK LL4653	39.9	--	--	--	--	114	--	--	10/24	1.0	24
ILLINOIS AES	LD00-2817P	35.8	--	--	--	--	102	--	--	10/17	1.0	22
IOWA AES	IA 3048	36.2	--	--	--	--	103	--	--	10/17	1.0	25
IOWA AES	IA3023	26.3	--	--	--	--	75	--	--	10/14	1.0	20
IOWA AES	IA4005	36.3	--	--	--	--	103	--	--	10/17	1.0	20
KANSAS AES	K07-1633	32.1	--	--	--	--	92	--	--	10/15	1.0	23
KANSAS AES	K10-8556	30.7	--	--	--	--	88	--	--	10/14	1.0	16
MORSOY	LL 4524	41.9	--	--	--	--	119	--	--	10/23	1.0	24
	AVERAGES	35.1	38.4	--								
	CV (%)	7.6	7.5	--								
	LSD (0.10)	3.2	3.6	--								

Values in bold are in the upper LSD group.

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

Parsons Silt Loam

Early summer rains led to late planting but beans recovered and cool weather during the summer and late summer rains led to good yields.

April May June July Aug. Sept. Total

Rainfall: 1.5 2.8 9.4 1.1 1.8 6.7 23.3

Planted 7/7/2014 at 7 seeds/ft; harvested 11/12/2014; 14 ft. by 2 row plot; pesticides: Pre-emerge with 1.5 pt Dual II Magnum + 6 oz Authority XL. Post-emerge with 1.5 pt Storm.

Table 21. Parsons, Labette County Dryland Conventional Soybean Performance Test, Maturity Groups IV-V, 2012-2014

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2014		
		2014	2013	2012	2-yr AVG	3-yr AVG	2014	2013	2012	Mat	Lodge score	Ht (in)
ARKANSAS	OSAGE	43.9	45.6	--	44.7	--	101	110	--	10/30	1.0	26
ARKANSAS	OZARK	42.7	40.7	--	41.7	--	98	98	--	10/28	1.0	30
ARKANSAS	R05-374	47.5	--	--	--	--	109	--	--	10/28	1.0	32
ARKANSAS	R09-430	46.4	--	--	--	--	107	--	--	10/28	1.0	27
ARKANSAS	UA 5213C	39.6	45.1	--	42.3	--	91	109	--	10/28	1.0	29
ARKANSAS	UA 5612C	47.3	45.5	--	46.4	--	109	110	--	10/30	1.0	32
BAYER	HBK LL4850	37.2	39.5	--	38.3	--	86	95	--	10/25	1.0	24
BAYER	HBK LL4950	47.2	43.6	--	45.4	--	109	105	--	10/30	1.0	30
BAYER	HBK LL4953	44.8	--	--	--	--	103	--	--	10/30	1.0	28
MIDLAND	5134NR2 RR check	37.8	--	--	--	--	87	--	--	10/28	1.0	32
	AVERAGES	43.4	41.5	37.9								
	CV (%)	8.1	3.4	8.7								
	LSD (0.10)	4.3	7.0	3.9								

Values in bold are in the upper LSD group.

Table 22. Yield as a Percentage of Test Average from 2014 Roundup-Resistant Soybean Tests

BRAND/NAME	Topeka		Ottawa	Parsons		McCune		Erie		Pitts.		Belle-		Hutch-	Garden	Colby	AVG
	Emmett	dryland		irrigated	MG4	MG 5	MG 4	MG 5	MG 4	MG 5	DC	Scandia	ville				
ARKANSAS																	
R04-1250RR	--	--	--	--	105	--	98	--	83	--	--	--	--	--	--	--	95
R04-1268RR	--	--	--	--	92	--	97	--	110	--	--	--	--	--	--	--	100
BAYER																	
BX 3560 RY	97	--	102	--	--	--	--	--	--	--	119	--	--	--	--	--	106
BX 4181 RY	--	--	75	--	92	--	98	--	108	--	93	--	--	97	--	--	94
HBK RY4620	--	--	73	--	99	--	102	--	86	--	--	--	--	71	--	--	86
HBK RY4721	--	--	91	--	101	--	97	--	91	--	--	--	--	83	--	--	92
LG SEEDS																	
C2835R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C3070R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C3220R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C3245R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C3555R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C3770R2	--	--	--	--	--	--	--	--	--	--	--	--	--	95	--	--	95
C3989R2	107	--	--	--	--	--	--	--	--	--	--	114	--	124	--	--	115
C4010R2	102	--	--	--	--	--	--	--	--	--	--	90	--	105	--	--	99
C4696R2	--	--	--	--	--	--	--	--	--	--	--	--	--	109	--	--	109
C4780R2	--	--	--	--	--	--	--	--	--	--	--	--	--	112	--	--	112
MIDLAND																	
3465NR2	--	--	98	--	--	--	--	--	--	--	93	103	--	--	--	--	98
3633NR2	--	91	92	114	--	--	--	--	--	--	--	107	--	--	--	--	101
3685NR2	--	102	106	--	--	--	--	--	--	--	100	102	--	--	--	--	103
3775NR2	97	96	97	--	--	--	--	--	--	--	94	107	111	102	--	--	101
3850NR2	--	--	--	--	--	--	--	--	--	--	--	--	97	91	--	--	94
3855NR2	100	101	106	--	--	--	--	--	--	--	90	88	--	--	--	--	97
3884NR2	--	94	116	--	--	--	--	--	--	--	96	97	--	--	--	--	101
3925NR2	102	97	112	106	--	--	--	--	--	--	87	88	--	--	--	--	99
3981NR2	--	--	--	--	--	--	--	--	--	--	--	--	110	83	--	--	96
3983NR2	106	110	91	110	--	--	--	--	--	--	94	92	--	--	--	--	100
4044NR2	104	88	85	98	--	--	--	--	--	--	102	109	--	--	--	--	98
4263NRS2	--	--	--	--	--	--	--	--	--	--	--	--	101	97	--	--	99
4373NR2	96	95	109	100	90	--	95	--	--	--	--	91	--	--	--	--	97
4443NRS2	--	--	--	--	--	--	--	--	--	--	--	--	104	85	--	--	95
4580RS2	--	--	--	--	--	--	--	--	--	--	--	--	99	119	--	--	109
4593NRS2	--	--	--	--	--	--	--	--	--	--	--	--	96	109	--	--	103
4614NRS2	106	106	--	87	101	--	103	--	103	--	103	--	116	89	--	--	102
4745NRS2	--	--	--	105	102	--	104	--	106	--	101	--	--	--	--	--	104
4792RS2	--	--	--	--	--	--	--	--	--	--	--	--	118	94	--	--	106
4963NRS2	--	--	--	80	--	93	--	108	--	92	113	--	89	93	--	--	95
5134NR2	--	--	--	--	--	91	--	103	--	107	102	--	--	--	--	--	98
MORSOY																	
38x52	97	94	116	--	--	--	--	--	--	--	--	--	--	--	--	--	102
39x14	102	102	113	105	--	--	--	--	--	--	--	--	--	--	--	--	105
43x53	--	104	79	95	--	--	--	--	--	--	--	--	--	--	--	--	93
45x73	--	--	--	95	103	--	--	--	105	--	--	--	--	--	--	--	101
47x12	--	--	--	85	113	--	108	--	105	--	--	--	--	--	--	--	103
47x54	--	--	--	85	103	--	102	--	105	--	--	--	--	--	--	--	99
48x22	--	--	--	69	--	98	--	102	--	87	--	--	--	--	--	--	89
50x64	--	--	--	--	--	106	--	89	--	106	--	--	--	--	--	--	100
Exp 43x44	--	97	86	109	--	--	--	--	--	--	--	--	--	--	--	--	97
Exp 52014	--	--	--	--	--	104	--	107	--	105	--	--	--	--	--	--	105
Exp 52114	--	--	--	--	--	100	--	99	--	108	--	--	--	--	--	--	102

Table 22 continued. Yield as a Percentage of Test Average from 2014 Roundup-Resistant Soybean Tests

BRAND/NAME	Topeka		Ottawa	Parsons		McCune		Erie		Pitts.		Belle-	Assaria	Hutch-	Garden	Colby	AVG
	Emmett	dryland		irrigated	MG4	MG 5	MG 4	MG 5	MG 4	MG 5	DC						
MYCOGEN																	
5N361R2	--	--	--	--	--	--	--	--	--	--	--	111	--	--	--	--	111
5N373R2	--	--	--	--	--	--	--	--	--	--	--	97	--	--	--	--	97
5N385R2	--	--	--	--	--	--	--	--	--	--	--	103	--	--	--	--	103
5N393R2	--	--	--	--	--	--	--	--	--	--	--	92	--	--	--	--	92
5N479R2	--	--	--	--	109	--	--	--	93	--	--	--	--	--	--	--	101
5N550R2	--	--	--	--	--	100	--	--	--	101	--	--	--	--	--	--	100
X54490R2	--	--	--	--	103	--	--	--	100	--	--	--	--	--	--	--	102
X54522R2	--	--	--	--	--	94	--	--	--	101	--	--	--	--	--	--	97
NK																	
S30-C1	--	--	--	--	--	--	--	--	--	--	--	105	110	--	--	--	107
S32-L8	--	--	--	--	--	--	--	--	--	--	--	105	92	--	--	--	98
S34-N3	--	--	--	--	--	--	--	--	--	--	--	104	91	--	--	--	97
S35-A5	--	--	--	--	--	--	--	--	--	--	--	100	96	--	--	--	98
S38-W4	98	86	115	125	--	--	--	--	--	--	--	101	105	89	--	--	103
S39-U2	--	92	107	112	--	--	--	--	--	--	--	--	--	--	--	--	104
S46-12	--	107	68	101	--	--	--	--	--	--	--	--	--	--	--	--	92
NUTECH/G2 GENETICS																	
7360	--	--	--	--	--	--	--	--	--	--	--	--	--	97	--	--	97
7384	--	--	--	--	--	--	--	--	--	--	--	--	--	117	--	--	117
7407	--	--	--	--	--	--	--	--	--	--	--	--	--	112	--	--	112
7414	--	--	--	--	--	--	--	--	--	--	--	--	--	105	--	--	105
PHILLIPS																	
363 NR2YE	94	111	111	--	--	--	--	--	--	--	--	106	108	--	--	--	106
375 NR2YS	94	93	96	--	--	--	--	104	--	--	--	102	93	108	107	--	100
383 NR2YE	108	96	114	--	--	--	--	111	--	--	--	91	94	99	88	--	100
384 NR2YS	97	93	--	103	--	--	--	95	--	--	--	101	89	--	--	--	96
392 NR2YS	110	--	--	94	--	--	--	75	--	--	--	--	103	--	--	--	96
411 NR2Y	97	99	109	108	--	--	--	111	--	--	--	105	104	90	98	--	102
417 NRSE	--	--	--	--	--	--	--	--	--	--	--	--	84	--	--	--	84
433 NR2YS	--	--	--	97	--	--	--	99	--	--	--	--	107	106	--	--	102
454 R2YSE	--	--	--	105	--	--	--	106	--	--	--	--	103	96	--	--	103
469 NR2YS	--	--	--	--	--	--	--	--	--	--	--	--	90	114	--	--	102
499 NR2YS	--	--	--	--	--	--	--	--	--	--	--	--	96	100	--	--	98
PIONEER																	
95Y10	--	--	--	--	--	--	106	--	--	102	--	--	--	--	--	--	104
WILLCROSS																	
RY2394N	--	103	88	125	--	--	--	75	--	--	69	--	--	--	--	--	92
RY2470NS	--	113	110	82	100	--	106	--	--	104	--	--	--	--	--	--	102
RY2494NS	--	110	82	88	--	96	--	110	--	110	--	--	--	--	--	--	99
WX 2454N	--	118	97	101	--	--	--	--	--	--	--	--	--	--	--	--	105
WX 2464NS	--	100	133	114	--	--	--	--	--	--	--	--	--	--	--	--	116
WX 2495N	--	101	105	89	--	107	--	101	--	108	--	--	--	--	--	--	102
WX 2524N	--	--	--	--	--	109	--	107	--	120	--	--	--	--	--	--	112
WX 2534N	--	--	--	--	--	101	--	96	--	100	--	--	--	--	--	--	99
WX 2554N	--	--	--	--	--	105	--	106	--	104	--	--	--	--	--	--	105

Table 23. Yield as a Percentage of Test Average from 2014 Conventional/Liberty Link Soybean Tests

BRAND/NAME	Ottawa MG4	Ottawa MG5	Scandia	Parsons MG 4	Parsons MG 5	AVG
ARKANSAS						
OSAGE	--	112	--	--	101	106
OZARK	--	77	--	--	98	88
R05-374	--	91	--	--	109	100
R09-430	--	109	--	--	107	108
UA 5213C	--	90	--	--	91	91
UA 5612C	--	119	--	--	109	114
BAYER						
BX 3539 LL	120	--	--	--	--	120
BX 3841 LL	102	--	--	--	--	102
HBK LL4650	85	--	--	109	--	97
HBK LL4653	72	--	--	114	--	93
HBK LL4850	--	95	--	--	86	91
HBK LL4950	--	106	--	--	109	107
HBK LL4953	--	101	--	--	103	102
ILLINOIS AES						
LD00-2817P	93	--	--	102	--	97
IOWA AES						
IA3023	106	--	--	75	--	90
IA4005	107	--	--	103	--	105
KANSAS AES						
K07-1633	94	--	--	92	--	93
K10-8556	107	--	--	88	--	97
MORSOY						
LL 3944	106	--	--	--	--	106
LL 4524	78	--	--	119	--	99
ASGROW						
AG3731 RR check	114	--	--	109	--	112

Table 24. Description of Roundup-Resistant Entries in 2014 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
ARKANSAS	R04-1250RR	5.5	P	BF	--	--	--	--	--	--	--	--
ARKANSAS	R04-1268RR	5.4	W	BF	--	--	--	--	--	--	--	--
BAYER	BX 3560 RY	3.5	P	IB	--	--	--	--	--	lc	--	--
BAYER	BX 4181 RY	4.1	P	B	--	--	--	--	--	--	3.0	--
BAYER	HBK RY4620	4.6	P	BL	--	--	--	--	--	Rps1c	--	--
BAYER	HBK RY4721	4.7	P	BL	--	R	--	MR	--	Rps1c	--	--
LG SEEDS	C2835R2	2.8	P	IB	--	R	--	MR	--	Rps1c	1.0	--
LG SEEDS	C3070R2	3.0	P	IB	--	R	--	R	PI88788	1k	2.0	--
LG SEEDS	C3220R2	3.2	P	B	--	R	--	MR	--	--	8.0	--
LG SEEDS	C3245R2	3.2	P	BF	--	R	--	R	PI88788	1k	4.0	--
LG SEEDS	C3555R2	3.5	P	IB	--	R	--	R	PI88788	1c	2.0	--
LG SEEDS	C3770R2	3.7	P	IB	--	R	--	MR	--	Rps1c	--	--
LG SEEDS	C3890R2	3.8	P	IB	--	R	--	MR	--	Rps1c	2.0	X
LG SEEDS	C3989R2	3.9	P	IB	--	R	--	MR	--	Rps1k	--	--
LG SEEDS	C4010R2	4.0	W	BF	--	R	--	R	PI88788	1c	3.0	--
LG SEEDS	C4211R2	4.2	P	B	--	R	--	MR	--	Rps1a	--	--
LG SEEDS	C4696R2	4.6	W	BF	--	R	--	R	PI88788	1c	2.0	--
LG SEEDS	C4780R2	4.7	P	IB	--	R	--	R	PI88788	1c	2.0	--
MIDLAND	3465NR2	3.0	--	--	--	R	--	--	PI88788	--	2.0	--
MIDLAND	3633NR2	3.0	--	--	--	R	--	MR	PI88788	--	1.7	--
MIDLAND	3685NR2	3.0	--	--	--	R	--	--	PI88788	--	2.0	--
MIDLAND	3775NR2	3.0	--	--	--	R	--	--	PI88788	--	2.0	--
MIDLAND	3850NR2	3.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	3855NR2	3.0	--	--	--	R	--	--	PI88788	--	2.0	--
MIDLAND	3884NR2	3.8	--	--	--	R	--	R	PI88788	--	2.0	--
MIDLAND	3925NR2	3.0	--	--	--	R	--	--	PI88788	--	2.0	--
MIDLAND	3981NR2	3.0	--	--	--	R	--	MR	PI88788	--	1.5	--
MIDLAND	3983NR2	3.0	--	--	--	R	--	MR	PI88788	--	1.7	--
MIDLAND	4044NR2	4.0	--	--	--	R	--	R	PI88788	--	2.0	--
MIDLAND	4263NRS2	4.0	--	--	--	R	--	MR	PI88788	--	2.5	STS
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	4614NRS2	4.6	--	--	--	R	--	MR	PI88788	--	2.0	STS
MIDLAND	4745NRS2	4.0	--	--	--	R	--	--	PI88788	--	2.0	--
MIDLAND	4792RS2	4.0	--	--	--	--	--	--	--	--	2.0	STS
MIDLAND	4963NRS2	4.0	--	--	--	R	--	MR	PI88788	--	2.2	STS
MIDLAND	5134NR2	5.1	--	--	--	R	--	MR	PI88788	--	2.0	--
MORSOY	38x52	3.8	P	IB	--	R	--	M	PI88788	Rps1c	2.0	--
MORSOY	39x14	3.9	W	BF	--	R	--	MR	PI88788	lc	2.0	--
MORSOY	43x53	4.2	P	BL	--	R	--	M	PI88788	Rps1a	3.0	--
MORSOY	45x73	4.5	W	BF	--	R	--	MR	PI88788	lc	2.0	--
MORSOY	47x12	4.7	P	IB	--	R	--	MR	PI88788	Rps1c	2.0	STS
MORSOY	47x54	4.7	P	BL	--	R	--	MR	PI88787	lc	3.0	--
MORSOY	48x22	4.8	W	BL	--	R	--	MR	PI88788	--	2.0	--
MORSOY	50x64	5.0	P	IB	--	R	--	MR	PI88788	lc	2.0	--
MORSOY	Exp 43x44	4.3	P	BL	--	R	--	MR	PI88788	lc	3.0	--
MORSOY	Exp 52014	5.2	W	BR	--	R	--	MR	Peking	--	3.0	--
MORSOY	Exp 52114	5.2	P	BL	--	R	--	MR	PI88788	1k	2.0	--
MYCOGEN	5N361R2	3.6	P	IB	--	R	--	MR	--	lc	7.0	--
MYCOGEN	5N373R2	3.7	P	B	--	R	--	MR	--	--	8.0	--
MYCOGEN	5N385R2	3.8	P	IB	--	R	--	MR	--	lc	8.0	--

Table 24 continued. Description of Roundup-Resistant Entries in 2014 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
MYCOGEN	5N393R2	3.9	P	IB	--	R	--	MR	--	1c	8.0	--
MYCOGEN	5N479R2	4.7	P	IB	--	R	--	MR	--	IC	8.0	STS
MYCOGEN	5N550R2	5.5	P	BF	--	R	--	MR	--	NG	9.0	--
MYCOGEN	X54490R2	4.9	P	IB	--	R	--	MR	--	lc	9.0	--
MYCOGEN	X54522R2	5.2	W	BR	--	R	--	MR	--	--	7.0	--
NK	S30-C1	3.0	P	BL	--	R	--	--	PI88788	--	5.0	--
NK	S32-L8	3.2	W	BR	--	R	--	R	PI88788	--	4.0	--
NK	S34-N3	3.4	--	--	--	--	--	--	--	Rps1c	5.0	--
NK	S35-A5	3.5	W	BL	--	R	--	R	PI88788	--	5.0	--
NK	S38-W4	3.8	W	BL	--	--	--	R	PI88788	--	4.0	--
NK	S39-U2	3.9	--	--	--	--	--	--	--	--	5.0	--
NK	S46-12	4.6	--	--	--	--	--	--	--	--	--	--
NUTECH/G2 GENETICS	7360	3.6	W	BL	--	R	--	R	PI88788	lk	5.0	--
NUTECH/G2 GENETICS	7384	3.8	P	BL	--	R	--	R	PI88788	--	5.0	--
NUTECH/G2 GENETICS	7407	4.0	P	BL	--	R	--	R	PI88788	Rps1k	5.0	--
NUTECH/G2 GENETICS	7414	4.1	W	BL	--	R	--	R	PI88788	Rps1k	5.0	--
NUTECH/G2 GENETICS	7463R2	4.3	W	BF	--	R	--	R	PI88788	1c	3.0	--
PHILLIPS	363 NR2YE	3.6	--	--	--	--	--	--	--	--	--	--
PHILLIPS	375 NR2YS	3.7	P	BL	--	R	--	MR	PI88788	Rps1c	9.0	--
PHILLIPS	383 NR2YE	3.8	--	--	--	--	--	--	--	--	--	--
PHILLIPS	384 NR2YS	3.8	--	--	--	--	--	--	--	--	--	--
PHILLIPS	392 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	411 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	417 NRSE	4.1	W	B	R	--	--	MR	--	--	1.6	--
PHILLIPS	433 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	454 R2YSE	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	469 NR2YS	4.6	--	--	--	--	--	--	--	--	--	--
PHILLIPS	499 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PIONEER	95Y10	5.1	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2394N	3.9	W	BF	--	--	--	--	--	--	--	--
WILLCROSS	RY2470NS	4.7	P	BL	--	--	--	--	--	--	--	--
WILLCROSS	RY2494NS	4.9	W	BL	--	--	--	--	--	--	--	--
WILLCROSS	WX 2454N	4.5	P	IB	--	--	--	--	--	--	--	--
WILLCROSS	WX 2464NS	4.6	W	BF	--	--	--	--	--	--	--	--
WILLCROSS	WX 2495N	4.9	P	IB	--	--	--	--	--	--	--	--
WILLCROSS	WX 2524N	5.2	W	BR	--	--	--	--	--	--	--	--
WILLCROSS	WX 2534N	5.3	P	BR	--	--	--	--	--	--	--	--
WILLCROSS	WX 2554N	5.5	P	BR	--	--	--	--	--	--	--	--

Table 25. Description of Conventional/Liberty Link Entries in 2014 Soybean Performance Tests

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
ARKANSAS	OSAGE	5.6	P	IB	--	--	--	--	--	--	--	--
ARKANSAS	OZARK	5.2	P	BF	--	--	--	--	--	--	--	--
ARKANSAS	R05-374	5.1	W	BF	--	--	--	--	--	--	--	--
ARKANSAS	R09-430	5.0	P	--	--	--	--	--	--	--	--	--
ARKANSAS	UA 5213C	5.2	P	BF	--	--	--	--	--	--	--	--
ARKANSAS	UA 5612C	5.6	P	IB	--	--	--	--	--	--	--	--
BAYER	BX 3539 LL	3.5	W	B	MR	--	--	--	--	1k	3.0	--
BAYER	BX 3841 LL	3.8	W	B	MR	--	--	--	--	1a	2.0	--
BAYER	HBK LL4650	4.6	P	BL	--	R	--	--	--	Rps1c	--	--
BAYER	HBK LL4653	4.6	W	BF	--	--	--	--	--	--	--	--
BAYER	HBK LL4850	4.8	W	BL	--	R	--	--	--	Rps1k	--	--
BAYER	HBK LL4950	4.9	W	IB	--	MR	--	--	--	Rps1c	--	--
BAYER	HBK LL4953	4.9	P	IB	R	--	--	--	--	lc	--	--
ILLINOIS AES	LD00-2817P	4.1	P	lb	--	R	--	--	788/654	--	--	--
IOWA AES	IA 3048	3.8	--	--	--	--	--	--	--	--	--	--
IOWA AES	IA3023	3.0	P	Y	S	S	S	S	--	S	--	--
IOWA AES	IA4005	4.0	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K07-1633	4.2	W	BL	R	--	--	--	PI88788	--	--	--
KANSAS AES	K10-8556	3.4	P	BL	R	--	--	--	PI88788	--	--	--
MORSOY	LL 3944	3.9	W	BL	--	R	--	MR	PI88788	lc	2.0	--
MORSOY	LL 4524	4.5	M	BL	--	R	--	MR	PI88788	--	2.0	--

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.k-state.edu/services/crop-performance-tests/index.html

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Contributors

Main Station, Manhattan

William T. Schapaugh, Jr., Professor (Senior Author)
Jane Lingenfelter, Assistant Agronomist
Brent Christenson, Research Assistant
Cheyenne Stephens, Research Assistant

Research Centers

Josh Coltrain, Crawford County Extension
Patrick Evans, Colby
Kelly Kusel, Parsons
Monty Spangler, Garden City

Experiment Fields

Eric Adee, Topeka
Gary Cramer, Hutchinson
James Kimball, Ottawa
Michael Larson, Belleville and Scandia
Wendell Lilyhorn, Hutchinson

Cooperators

Vernon Egbert, McCune
Lance Rezac, Onaga
Dale Roberds, Pittsburg
Clayton Short, Assaria

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