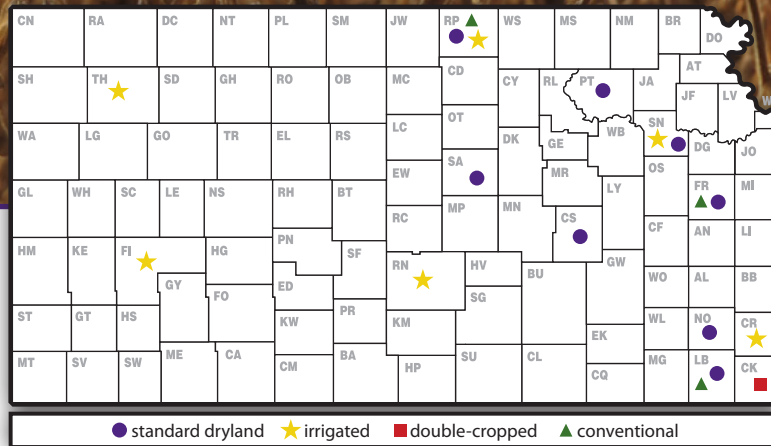
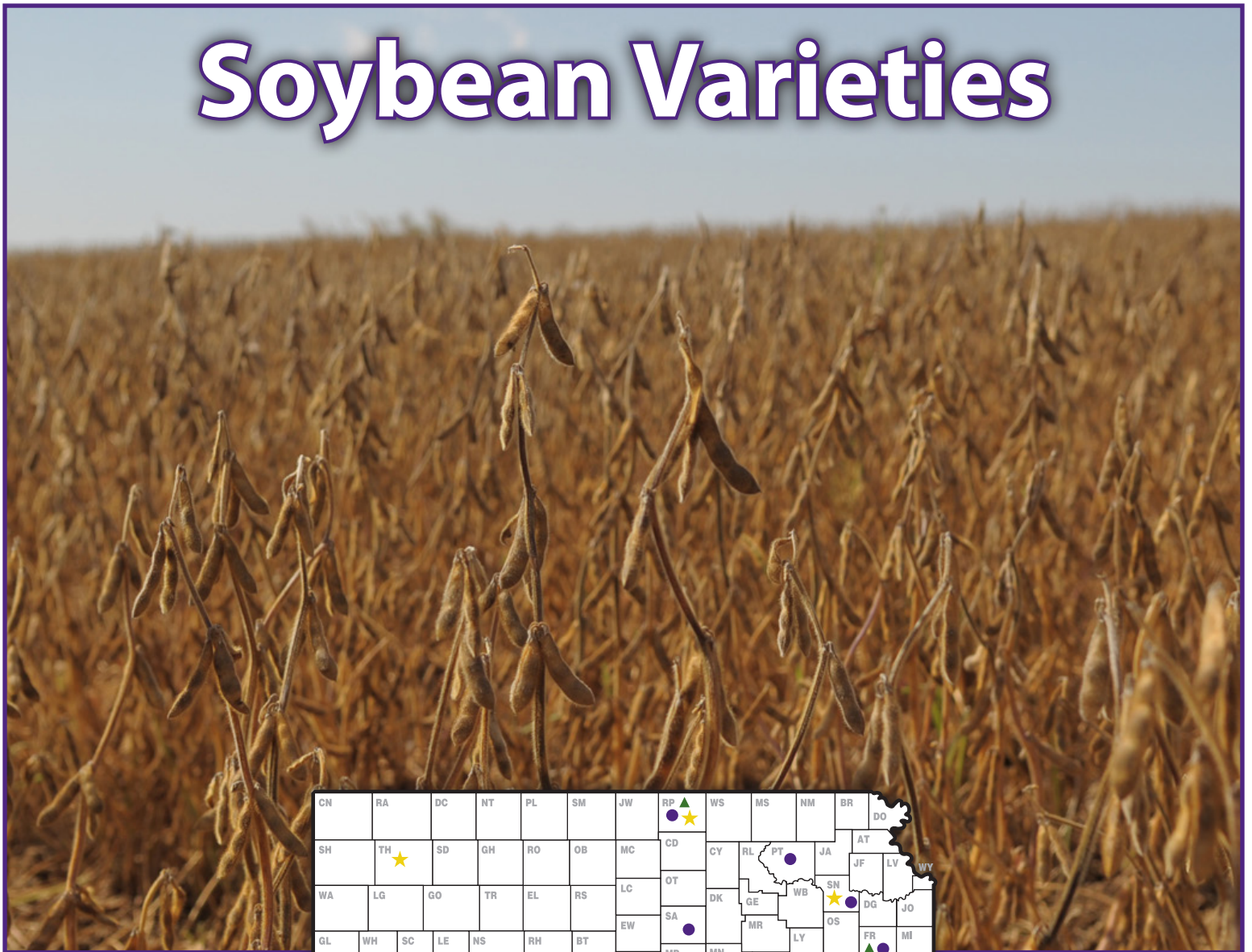


2013 Kansas Performance Tests with

Soybean Varieties



Report of Progress 1094



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

Onaga, 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
McCune, Crawford County, Maturity Groups III-IV (irrigated), Table 8.....	8
McCune, Crawford County, Maturity Groups IV-V (irrigated), Table 9.....	8
Erie, Neosho County, Maturity Groups III-IV (dryland), Table 10.....	9
Erie, Neosho County, Maturity Groups IV-V (dryland), Table 11.....	10
Scandia, Republic County (irrigated), Table 12.....	11
Belleville, Republic County (dryland), Table 13.....	11
Assaria, Saline County (dryland), Table 14.....	12
Hutchinson, Reno County (irrigated), Table 15.....	13
Colby, Thomas County (irrigated), Table 16.....	14
Garden City, Finney County (irrigated), Table 17.....	14
Ottawa, Franklin County (conventional, Liberty Link/dryland), Table 18.....	15
Scandia, Republic County (conventional, Liberty Link/irrigated), Table 19.....	15
Parsons, Labette County, MG III-IV (conventional, Liberty Link/dryland), Table 20.....	16
Parsons, Labette County, MG IV-V (conventional, Liberty Link/dryland), Table 21.....	16

YIELD SUMMARY

Yield as a Percentage of Test Average from 2013 Roundup-Resistant Soybean Tests, Table 22.....	17
Yield as a Percentage of Test Average from 2013 Conventional/LL Soybean Tests, Table 23.....	19

APPENDIX

Descriptions of Roundup-Resistant Entries, Table 24.....	20
Description of Conventional/Liberty Link Entries, Table 25.....	22
K-State Soybean School Announcement.....	23
Electronic Access, University Research Policy, and Duplication Policy.....	back cover

2013 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/Liberty Link 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.agronomy.ksu.edu/kscpt>

DATA INTERPRETATION

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

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

Lodging is rated at maturity by the following scores:

1. Almost all plants erect
2. All plants slightly leaning or a few plants down
3. All plants leaning moderately (45%) or 25 to 50% of plants down
4. All plants leaning considerably or 50 to 80% of 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 2013 Kansas Soybean Performance Tests

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

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

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

Iowa State University
 Ames, IA
 515-292-3497

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

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

Kansas Ag. Exp. Stn. (AES)
 Manhattan, KS
 785-532-7242

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

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

Missouri Ag. Exp. Stn. (AES)
 Portageville, MO
 573-379-5875

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

Progeny Ag Products
 Wynne, AR
 888-535-7333
 progenyag.com

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

Mycogen Seeds
 Indianapolis, IN
 800-MYCOGEN
 dow.com

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

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

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

Rezac Farm, Onaga, Pottawatomie County; Bill Schapaugh, agronomist

Wabash silty clay, pH n/a

Conditions at planting were optimal, and seeds had adequate moisture for germination. Early season seedling vigor was above-average. The moisture ran out quickly, and conditions were extremely dry until early fall, hurting yields.

Rainfall:	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
	3.9	4.1	4.3	2.6	3.3	5.6	23.8

Planted 5/13/2013 at 7 seeds/ft; harvested 10/14/2013; 11 ft. by 2-row plot; pesticides: Pre-emerge Authority First (4oz); Post-emerge Roundup PowerMax (32oz)

Table 2. Onaga, Pottawatomie County Dryland Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ASGROW	AG3931	51.8	--	--	--	--	96	--	--	9/25	2.0	41
ASGROW	AG4531	62.3	--	--	--	--	116	--	--	10/2	1.5	39
LG SEEDS	C3989R2	58.9	37.8	--	48.4	--	109	109	--	9/23	1.0	40
MIDLAND	3633NR2	51.6	33.1	--	42.4	--	96	95	--	9/20	1.0	35
MIDLAND	3824NRS2	54.3	--	--	--	--	101	--	--	9/22	1.0	40
MIDLAND	3884NR2	49.9	--	--	--	--	93	--	--	9/21	1.3	37
MIDLAND	3983NR2	46.8	36.9	--	41.9	--	87	106	--	9/27	1.8	37
MIDLAND	4044NR2	53.5	--	--	--	--	99	--	--	9/26	1.0	39
MIDLAND	4373NR2	52.6	37.4	--	45.0	--	98	107	--	9/28	1.3	36
MIDLAND	4543NRS2	60.5	--	--	--	--	112	--	--	9/27	1.0	43
MORSOY	R2 38X52N	54.3	--	--	--	--	101	--	--	9/23	1.3	39
PHILLIPS	363 NR2YE	53.2	--	--	--	--	99	--	--	9/22	1.3	39
PHILLIPS	375 NR2YS	50.3	--	--	--	--	93	--	--	9/24	1.0	38
PHILLIPS	383 NR2YE	51.7	--	--	--	--	96	--	--	9/21	1.0	40
PHILLIPS	384 NR2YS	56.4	--	--	--	--	105	--	--	9/22	1.0	39
PHILLIPS	392 NR2YS	51.9	37.6	--	44.8	--	96	108	--	9/25	1.3	40
PHILLIPS	411 NR2Y	51.2	--	--	--	--	95	--	--	9/28	1.0	38
PHILLIPS	433 NR2YS	59.2	--	--	--	--	110	--	--	9/27	1.0	38
PIONEER	94Y01	57.2	35.2	--	46.2	--	106	101	--	9/25	1.8	40
PIONEER	94Y50	49.1	--	--	--	--	91	--	--	9/30	2.0	44
	AVERAGES	53.8	34.8	49.1								
	CV (%)	6.9	5.0	7.9								
	LSD (0.10)	4.4	2.1	4.5								

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 n/a

The growing conditions varied considerably through the season, which started out with a little later planting date with wet soils followed by periods of dry and hot conditions until the last week of July. The last week of July/first week of August started a period of rain and cooler temperatures that really helped seed fill. SDS symptoms were throughout the irrigated trial, but not present in the dryland trial.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	4.5	5.5	2.8	2.5	3.3	6.7	25.3

Planted 5/24/2013 at 8 seeds/ft; harvested 10/10/2013; 27.5 ft. by 4-row plot; pesticides: Pre-emerge Sonic (3oz); Post-emerge Roundup PowerMax (22oz)+Outlook (12oz)+AMS

Table 3. Topeka, Shawnee County Dryland Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ASGROW	AG3931	56.8	--	--	--	--	110	--	--	9/23	2.0	38
ASGROW	AG4531	44.8	--	--	--	--	86	--	--	9/28	1.3	34
MIDLAND	3633NR2	58.1	39.6	--	48.9	--	112	107	--	9/24	1.3	38
MIDLAND	3824NRS2	53.5	--	--	--	--	103	--	--	9/22	1.0	36
MIDLAND	3884NR2	58.6	--	--	--	--	113	--	--	9/23	1.3	34
MIDLAND	3983NR2	51.0	37.7	--	44.4	--	98	102	--	9/24	1.8	38
MIDLAND	4044NR2	52.7	--	--	--	--	102	--	--	9/25	1.0	37
MIDLAND	4373NR2	55.4	36.6	--	46.0	--	107	99	--	9/26	1.0	38
MIDLAND	4543NRS2	47.6	--	--	--	--	92	--	--	9/22	1.3	39
MIDLAND	4580RS2	46.2	36.6	57.4	41.4	46.7	89	99	90	9/28	1.5	37
MORSOY	R2 38X52N	57.7	--	--	--	--	111	--	--	9/22	2.0	37
MORSOY	R2 42X53N	52.7	--	--	--	--	102	--	--	9/27	1.0	41
MORSOY	R2 43X43N	47.9	--	--	--	--	92	--	--	9/27	1.0	35
MORSOY	R2S 47X12N	42.6	--	--	--	--	82	--	--	9/30	1.8	47
PHILLIPS	363 NR2YE	60.4	--	--	--	--	117	--	--	9/24	1.5	41
PHILLIPS	375 NR2YS	57.8	--	--	--	--	112	--	--	9/24	1.0	39
PHILLIPS	383 NR2YE	54.7	--	--	--	--	106	--	--	9/22	1.3	41
PHILLIPS	384 NR2YS	56.5	--	--	--	--	109	--	--	9/24	1.0	38
PHILLIPS	392 NR2YS	47.6	40.0	--	43.8	--	92	108	--	9/24	2.0	38
PHILLIPS	411 NR2Y	53.6	38.8	--	46.2	--	103	105	--	9/26	1.0	37
PIONEER	94Y01	55.7	36.0	--	45.9	--	108	97	--	9/25	2.0	42
PIONEER	94Y50	46.7	--	--	--	--	90	--	--	9/26	2.0	45
WILLCROSS	RY 2460S	48.3	--	--	--	--	93	--	--	9/30	1.3	37
WILLCROSS	RY 2494NS	42.1	--	--	--	--	81	--	--	10/4	1.3	40
WILLCROSS	WX 2434N	48.3	--	--	--	--	93	--	--	10/6	4.0	49
WILLCROSS	WX 2464N	48.4	--	--	--	--	93	--	--	9/27	2.0	40
	AVERAGES	51.8	37.1	64.0								
	CV (%)	5.9	8.8	12.7								
	LSD (0.10)	3.6	4.5	11.0								

Values in bold are in the upper LSD group.

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

Eudora Silt loam, pH n/a

The growing conditions varied considerably through the season, which started out with a little later planting date with wet soils followed by periods of dry and hot conditions until the last week of July. The last week of July/first week of August started a period of rain and cooler temperatures that really helped seed fill. SDS symptoms were throughout the irrigated trial, but not present in the dryland trial.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	4.5	5.5	2.8	2.5	3.3	6.7	25.3
Irrigation:				1.8	0.6	0.9	3.3

Planted 5/15/2013 at 8 seeds/ft; harvested 10/10/2013; 27.5 ft. by 4-row plot; pesticides: Pre-emerge- Authority XL (5oz)+Dual II Mag (1.5pt)+Fusion/Fusilade (4oz); Post-emerge Roundup PowerMax (22oz)+Outlook (12oz)+AMS

Table 4. Topeka, Shawnee County Irrigated Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ASGROW	AG3931	64.7	--	--	--	--	93	--	--	10/2	4.5	41
ASGROW	AG4531	62.6	--	--	--	--	90	--	--	10/1	2.0	37
MIDLAND	3633NR2	68.6	60.3	--	64.5	--	99	111	--	9/23	2.0	36
MIDLAND	3824NRS2	73.2	--	--	--	--	105	--	--	9/27	3.0	44
MIDLAND	3884NR2	75.4	--	--	--	--	109	--	--	9/29	3.0	37
MIDLAND	3983NR2	71.7	58.3	--	65.0	--	103	107	--	10/2	3.0	44
MIDLAND	4044NR2	60.8	--	--	--	--	88	--	--	9/28	2.0	39
MIDLAND	4373NR2	80.9	52.6	--	66.8	--	117	97	--	10/2	3.5	39
MIDLAND	4543NRS2	59.9	--	--	--	--	86	--	--	9/30	2.0	44
MORSOY	R2 42X53N	73.2	--	--	--	--	105	--	--	10/3	3.0	44
MORSOY	R2 43X43N	70.9	--	--	--	--	102	--	--	9/30	1.5	37
MORSOY	R2S 47X12N	54.6	--	--	--	--	79	--	--	10/4	3.0	47
PHILLIPS	363 NR2YE	82.2	--	--	--	--	118	--	--	9/28	3.0	40
PHILLIPS	375 NR2YS	75.9	--	--	--	--	109	--	--	9/30	1.0	40
PHILLIPS	383 NR2YE	63.2	--	--	--	--	91	--	--	9/26	3.0	41
PHILLIPS	392 NR2YS	57.4	46.4	--	51.9	--	83	85	--	9/29	3.5	40
PHILLIPS	411 NR2Y	66.8	70.9	--	68.9	--	96	130	--	10/1	2.5	42
PIONEER	94Y01	73.2	50.2	--	61.7	--	105	92	--	10/1	3.5	44
PIONEER	94Y50	64.2	--	--	--	--	93	--	--	10/3	3.5	47
WILLCROSS	RY 2460S	63.8	--	--	--	--	92	--	--	10/2	2.5	40
WILLCROSS	RY 2494NS	68.6	--	--	--	--	99	--	--	10/7	3.5	39
WILLCROSS	WX 2434N	82.3	--	--	--	--	119	--	--	10/10	4.5	50
WILLCROSS	WX 2464N	81.1	--	--	--	--	117	--	--	10/7	3.5	46
	AVERAGES	69.4	54.4	57.3								
	CV (%)	12.8	21.7	12.4								
	LSD (0.10)	10.5	16.0	9.6								

Values in bold are in the upper LSD group.

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

Woodson silt loam, pH n/a

Planted into little moisture but obtained adequate stands. Plants had adequate moisture into growing season. June and July brought heat and drought stress but enough moisture to keep plants growing. Average rainfall throughout reproductive stages, with pod fill and canopy closure having more moisture than vegetative. Overall, higher-than-anticipated yields.

April May June July Aug. Sept. Total
 Rainfall: 3.7 2.9 6.0 2.4 5.2 5.5 25.7

Planted 5/23/2013 at 8 seeds/ft; harvested 10/11/2013; 25ft. by 2-row plot; pesticides: Pre-emerge-6oz Authority XL and 1.5 pt Dual Magnum

Table 5. Ottawa, Franklin County Dryland Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ADVANCED GENETICS	AG4422S R2Y	60.1	--	--	--	--	104	--	--	9/25	1.0	31
ADVANCED GENETICS	AG4700S R2Y	53.1	26.5	--	39.8	--	92	113	--	9/29	1.3	34
ADVANCED GENETICS	AG4844S R2Y	57.1	--	--	--	--	99	--	--	10/3	2.0	36
ASGROW	AG3931	64.1	--	--	--	--	111	--	--	9/24	1.5	34
ASGROW	AG4531	53.3	--	--	--	--	92	--	--	9/30	1.3	31
MIDLAND	3983NR2	61.4	17.7	--	39.6	--	106	76	--	9/26	1.0	34
MIDLAND	4044NR2	67.0	--	--	--	--	116	--	--	9/24	1.0	34
MIDLAND	4373NR2	64.9	28.5	--	46.7	--	112	122	--	9/27	1.0	33
MIDLAND	4543NRS2	62.3	--	--	--	--	108	--	--	9/27	1.0	38
MIDLAND	4580RS2	56.9	25.4	21.1	41.2	34.5	99	109	90	9/29	1.0	35
MIDLAND	4703NR2	59.3	17.4	--	38.4	--	103	74	--	9/29	1.0	36
MIDLAND	4792RS2	52.0	26.7	22.7	39.4	33.8	90	114	97	9/30	1.3	36
MIDLAND	4813NRS2	54.7	15.8	--	35.3	--	95	68	--	9/28	1.5	40
MORSOY	R2 42X53N	61.7	--	--	--	--	107	--	--	9/26	1.0	32
MORSOY	R2 43X43N	57.0	--	--	--	--	99	--	--	9/27	1.0	33
MORSOY	R2S 47X12N	55.3	24.5	--	39.9	--	96	105	--	10/2	1.8	43
PIONEER	94Y01	56.0	21.7	--	38.9	--	97	93	--	9/25	1.0	33
PIONEER	94Y50	57.5	--	--	--	--	100	--	--	9/27	1.8	40
WILLCROSS	RY 2460S	58.7	--	--	--	--	102	--	--	9/30	1.0	35
WILLCROSS	RY 2494NS	53.5	--	--	--	--	93	--	--	10/3	2.0	35
WILLCROSS	WX 2434N	43.9	--	--	--	--	76	--	--	10/7	2.0	47
WILLCROSS	WX 2464N	59.0	--	--	--	--	102	--	--	9/28	2.0	39
	AVERAGES	57.7	23.4	23.4								
	CV (%)	6.1	17.3	14.6								
	LSD (0.10)	4.2	4.7	4.0								

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

Hot and dry conditions from planting until end of July. Late July and early August rainfall were extremely beneficial to soybean crop. Frost on October 25 did not affect yield or quality even though not all soybeans had reached physiological maturity.

April May June July Aug. Sept. Total
Rainfall: 5.8 5.9 3.4 4.0 6.0 7.9 33.0

Planted 6/13/2013 at 7 seeds/ft; harvested 11/15/2013; 14 ft. by 2-row plot; pesticides: Sprayed June 14 with 1.5pt Dual II Magnum + 6oz Authority XL, July 25 with 1qt glyphosate + .33oz Classic

Table 6. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups III-IV, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ASGROW	AG3931	39.4	--	--	--	--	94	--	--	9/30	1.8	37
ASGROW	AG4531	41.3	--	--	--	--	98	--	--	10/4	1.0	36
BAYER	HBK RY4620	46.2	38.3	--	42.3	--	110	99	--	10/3	1.0	36
MIDLAND	4373NR2	43.1	38.5	--	40.8	--	103	99	--	10/1	1.5	35
MIDLAND	4543NRS2	39.7	--	--	--	--	95	--	--	10/5	1.5	38
MIDLAND	4580RS2	41.7	42.2	18.9	42.0	34.3	99	109	111	10/4	1.0	36
PIONEER	94Y50	42.4	--	--	--	--	101	--	--	10/4	1.8	39
PROGENY	P 4211 RY	44.1	--	17.6	--	--	105	--	104	10/2	1.6	36
PROGENY	P 4313 RY	43.4	--	--	--	--	103	--	--	10/2	1.8	35
PROGENY	P 4510 RY	38.9	--	16.0	--	--	93	--	94	10/4	1.0	36
	AVERAGES	42.0	38.7	17.0								
	CV (%)	7.7	5.6	16.6								
	LSD (0.10)	3.9	2.6	3.4								

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

Hot and dry conditions from planting until end of July. Late July and early August rainfall were extremely beneficial to soybean crop. Frost on October 25 did not affect yield or quality even though not all soybeans had reached physiological maturity.

April May June July Aug. Sept. Total
Rainfall: 5.8 5.9 3.4 4.0 6.0 7.9 33.0

Planted 6/13/2013 at 7 seeds/ft; harvested 11/15/2013; 14 ft. by 2-row plot; pesticides: Sprayed June 14 with 1.5pt Dual II Magnum + 6oz Authority XL, July 25 with 1qt glyphosate + .33oz Classic

Table 7. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups IV-V, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ADVANCED GENETICS	AG4844S R2Y	48.1	--	--	--	--	105	--	--	10/9	1.0	39
ADVANCED GENETICS	AG5133N R2Y	47.2	35.4	10.5	41.3	31.0	103	89	85	10/15	2.8	37
ARKANSAS	R04-1250RR	43.8	--	--	--	--	96	--	--	10/22	2.0	39
ARKANSAS	R04-1268RR	46.7	--	--	--	--	102	--	--	10/19	2.3	37
ASGROW	AG5533	48.0	42.6	--	45.3	--	105	107	--	10/16	2.5	40
BAYER	HBK RY4721	43.3	42.1	--	42.7	--	95	106	--	10/7	1.8	42
BAYER	HBK RY5221	45.7	39.4	--	42.6	--	100	99	--	10/11	2.5	42
BAYER	HBK RY5421	46.3	39.9	--	43.1	--	101	100	--	10/14	1.5	36
KANSAS AES	K04-3083RR	39.1	38.4	10.0	38.8	29.2	86	96	81	10/9	1.8	46
MIDLAND	4703NR2	45.1	41.2	--	43.2	--	99	103	--	10/7	1.9	42
MIDLAND	4792RS2	46.4	43.2	12.6	44.8	34.1	102	108	102	10/7	1.3	40
MIDLAND	4813NRS2	40.8	38.1	--	39.5	--	89	95	--	10/8	1.3	44
MIDLAND	5134NR2	45.5	--	--	--	--	100	--	--	10/7	1.0	45
MORSOY	R2 51X03N	43.5	--	--	--	--	95	--	--	10/7	1.3	44
MORSOY	R2 53X82N	44.9	39.8	--	42.4	--	98	100	--	10/19	2.5	42
MORSOY	R2S 47X12N	50.3	--	--	--	--	110	--	--	10/8	1.5	46
MORSOY	R2S 56X02N	43.0	41.5	--	42.3	--	94	104	--	10/19	1.5	52
MYCOGEN	5N478	40.5	--	--	--	--	89	--	--	10/8	2.0	43
MYCOGEN	X53479R2	51.3	--	--	--	--	112	--	--	10/7	1.5	45
MYCOGEN	X53510R2	45.1	--	--	--	--	99	--	--	10/22	1.0	33
MYCOGEN	X53540R2	44.4	--	--	--	--	97	--	--	10/22	1.3	39
MYCOGEN	X53550R2	47.1	--	--	--	--	103	--	--	10/20	1.8	42
PIONEER	94Y70	44.1	37.9	--	41.0	--	97	95	--	10/6	1.8	41
PIONEER	94Y80	48.5	41.1	--	44.8	--	106	103	--	10/7	2.0	42

Table 7 continued. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups IV-V, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
PIONEER	95Y10	50.4	41.9	--	46.2	--	110	105	--	10/9	1.0	42
WILLCROSS	RY 2494NS	51.6	--	--	--	--	113	--	--	10/9	1.0	39
WILLCROSS	RY 2513N	44.5	--	--	--	--	97	--	--	10/15	3.3	47
WILLCROSS	RY2533N	42.6	37.1	--	39.9	--	93	93	--	10/22	1.0	39
WILLCROSS	RY2543N	48.5	38.5	--	43.5	--	106	96	--	10/12	1.8	43
	AVERAGES	45.7	39.9	12.4								
	CV (%)	6.3	6.6	14.8								
	LSD (0.10)	3.4	3.1	2.2								

Values in bold are in the upper LSD group.

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

Cherokee silt loam, pH n/a

Very wet and late spring caused planting to be delayed compared with previous years. The wet conditions continued into stand establishment and stunted seedling vigor. Moving into late vegetative and early reproductive stages, a large wind storm caused a few varieties to lodge.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	5.7	10.1	2.6	8.0	5.7	1.8	33.8

Planted 6/13/2013 at 7 seeds/ft; harvested 11/13/2013; 11 ft. by 2-row plot; pesticides: Pre-emerge Authority First (4oz); Post-emerge Roundup PowerMax (32oz)

Table 8. McCune, Crawford County Irrigated Soybean Performance Test, Maturity Groups III-IV, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ASGROW	AG3931	37.4	--	--	--	--	80	--	--	10/7	1.0	28
ASGROW	AG4531	50.5	--	--	--	--	108	--	--	10/17	1.0	29
BAYER	HBK RY4620	47.9	54.3	--	51.1	--	102	104	--	10/19	1.0	29
MIDLAND	4373NR2	47.2	57.4	--	52.3	--	101	110	--	10/9	1.0	29
MIDLAND	4543NRS2	50.0	--	--	--	--	107	--	--	10/12	1.0	34
MIDLAND	4580RS2	53.5	53.1	28.7	53.3	45.1	114	102	109	10/17	1.0	31
PIONEER	94Y50	44.9	--	--	--	--	96	--	--	10/21	1.0	33
PROGENY	P 4211 RY	39.7	--	27.5	--	--	85	--	104	10/9	1.0	27
PROGENY	P 4313 RY	47.8	--	--	--	--	102	--	--	10/13	1.0	28
PROGENY	P 4510 RY	50.0	--	29.0	--	--	107	--	110	10/16	1.0	29
	AVERAGES	46.9	52.2	26.4								
	CV (%)	6.9	9.2	4.2								
	LSD (0.10)	3.9	5.7	1.4								

Values in bold are in the upper LSD group.

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

Cherokee silt loam, pH n/a

Very wet and late spring caused planting to be delayed compared to years previous. The wet conditions continued into stand establishment and stunted seedling vigor. Moving into late vegetative and early reproductive stages, a large wind storm caused a few varieties to lodge.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	5.7	10.1	2.6	8.0	5.7	1.8	33.8

Planted 6/13/2013 at 7 seeds/ft; harvested 11/13/2013; 11 ft. by 2-row plot; pesticides: Pre-emerge Authority First (4oz); Post-emerge Roundup PowerMax (32oz)

Table 9. McCune, Crawford County Irrigated Soybean Performance Test, Maturity Groups IV-V, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ADVANCED GENETICS	AG4844S R2Y	61.2	--	--	--	--	106	--	--	10/24	1.0	34
ADVANCED GENETICS	AG5133N R2Y	53.1	50.4	--	51.8	--	92	92	--	10/26	2.0	32

Table 9 continued. McCune, Crawford County Irrigated Soybean Performance Test, Maturity Groups IV-V, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	TEST AVERAGE			Mat	Lodge score	Ht (in.)
ARKANSAS	R04-1250RR	55.4	--	--	--	--	96	--	--	10/28	1.0	32
ARKANSAS	R04-1268RR	52.4	--	--	--	--	91	--	--	10/28	1.3	34
ASGROW	AG5533	51.8	50.4	--	51.1	--	89	92	--	10/27	2.5	33
BAYER	HBK RY4721	56.1	56.5	--	56.3	--	97	104	--	10/23	1.0	38
BAYER	HBK RY5221	57.4	55.3	--	56.4	--	99	101	--	10/24	2.5	39
BAYER	HBK RY5421	67.2	49.8	--	58.5	--	116	91	--	10/28	1.0	32
KANSAS AES	K04-3083RR	56.4	57.1	34.2	56.8	49.2	97	105	118	10/23	1.0	40
MIDLAND	4703NR2	57.5	59.4	--	58.5	--	99	109	--	10/16	1.3	35
MIDLAND	4792RS2	61.3	61.1	18.4	61.2	46.9	106	112	63	10/17	1.0	33
MIDLAND	4813NRS2	58.3	53.9	--	56.1	--	101	99	--	10/26	1.3	40
MIDLAND	5134NR2	59.0	--	--	--	--	102	--	--	10/23	1.0	40
MORSOY	R2 51X03N	64.5	--	--	--	--	111	--	--	10/26	1.0	37
MORSOY	R2S 47X12N	67.2	--	--	--	--	116	--	--	10/25	1.8	41
PIONEER	94Y70	52.5	56.2	--	54.4	--	91	103	--	10/17	1.0	35
PIONEER	94Y80	59.9	56.5	--	58.2	--	103	104	--	10/18	1.0	37
PIONEER	95Y10	59.0	54.5	--	56.8	--	102	100	--	10/22	1.0	34
WILLCROSS	RY 2494NS	50.0	--	--	--	--	86	--	--	10/17	1.0	30
WILLCROSS	RY 2513N	58.5	--	--	--	--	101	--	--	10/24	3.0	41
WILLCROSS	RY2533N	59.6	50.1	--	54.9	--	103	92	--	10/27	1.0	34
WILLCROSS	RY2543N	57.3	53.3	--	55.3	--	99	98	--	10/25	1.0	38
	AVERAGES	57.9	54.5	29.0								
	CV (%)	7.4	5.9	7.6								
	LSD (0.10)	5.1	3.8	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

Late July and early August rainfall were extremely beneficial to soybean crop. Frost on October 25 did not affect yield or quality even though not all soybeans had reached physiological maturity.

April May June July Aug. Sept. Total

Rainfall: 4.5 4.3 3.9 9.0 3.2 9.1 34.0

Planted 6/20/2013 at 9 seeds/ft; harvested 11/19/2013; 14 ft. by 2-row plot; pesticides: Sprayed June 21 with 1.5pt Dual II Magnum + 6oz Authority XL, sprayed July 10 with .5 Classic + 2oz Butyrac 200, sprayed August 19 with 1qt glyphosate + .33oz Classic

Table 10. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups III-IV, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	TEST AVERAGE			Mat	Lodge score	Ht (in.)
ASGROW	AG3931	49.7	--	--	--	--	95	--	--	10/7	1.8	35
ASGROW	AG4531	56.1	--	--	--	--	107	--	--	10/11	1.0	34
BAYER	HBK RY4620	57.9	53.5	--	55.7	--	110	121	--	10/12	1.3	33
MIDLAND	4373NR2	48.8	46.7	--	47.8	--	93	106	--	10/12	1.3	34
MIDLAND	4543NRS2	51.2	--	--	--	--	98	--	--	10/13	1.3	38
MIDLAND	4580RS2	51.7	51.6	39.7	51.7	47.7	98	117	108	10/12	1.3	35
PIONEER	94Y50	50.2	--	--	--	--	96	--	--	10/13	2.0	39
PROGENY	P 4211 RY	49.0	--	35.2	--	--	93	--	96	10/11	1.3	33
PROGENY	P 4313 RY	55.1	--	--	--	--	105	--	--	10/12	1.0	33
PROGENY	P 4510 RY	55.5	--	38.0	--	--	106	--	104	10/12	1.3	33
	AVERAGES	52.5	44.1	36.7								
	CV (%)	7.0	8.5	4.6								
	LSD (0.10)	4.4	4.4	2.0								

Values in bold are in the upper LSD group.

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

Lanton Silt Loam, pH 5.9

Late July and early August rainfall were extremely beneficial to soybean crop. Frost on October 25 did not affect yield or quality even though not all soybeans had reached physiological maturity.

	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Total</u>
Rainfall:	4.5	4.3	3.9	9.0	3.2	9.1	34.0

Planted 6/20/2013 at 9 seeds/ft; harvested 11/19/2013; 14 ft. by 2-row plot; pesticides: Sprayed June 21 with 1.5pt Dual II Magnum + 6oz Authority XL, sprayed July 10 with .5 Classic + 2oz Butyrac 200, sprayed August 19 with 1qt glyphosate + .33oz Classic

Table 11. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups IV-V, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ADVANCED GENETICS	AG4844S R2Y	49.7	--	--	--	--	88	--	--	10/19	1.5	36
ARKANSAS	R04-1250RR	57.6	--	--	--	--	102	--	--	10/24	2.0	35
ARKANSAS	R04-1268RR	55.6	--	--	--	--	98	--	--	10/24	2.3	36
ASGROW	AG5533	66.4	51.8	--	59.1	--	118	110	--	10/24	2.5	38
BAYER	HBK RY4721	51.9	44.7	--	48.3	--	92	95	--	10/20	1.3	40
BAYER	HBK RY5221	66.2	47.6	--	56.9	--	117	101	--	10/19	2.0	41
BAYER	HBK RY5421	59.2	52.1	--	55.7	--	105	110	--	10/24	2.0	36
KANSAS AES	K04-3083RR	49.7	47.2	43.1	48.5	46.7	88	100	101	10/18	2.3	40
MIDLAND	4703NR2	50.3	42.1	--	46.2	--	89	89	--	10/16	1.8	38
MIDLAND	4792RS2	52.7	48.0	44.0	50.4	48.2	93	101	104	10/18	1.0	36
MIDLAND	5134NR2	58.5	--	--	--	--	104	--	--	10/20	1.5	41
MORSOY	R2S 47X12N	59.6	--	--	--	--	105	--	--	10/22	1.8	39
MORSOY	R2S 48X10	54.7	--	--	--	--	97	--	--	10/17	1.0	36
MYCOGEN	5N478	56.4	--	--	--	--	100	--	--	10/22	2.1	40
MYCOGEN	X53479R2	61.9	--	--	--	--	110	--	--	10/22	1.8	39
MYCOGEN	X53510R2	53.0	--	--	--	--	94	--	--	10/18	2.0	40
MYCOGEN	X53540R2	51.5	--	--	--	--	91	--	--	10/24	2.0	37
MYCOGEN	X53550R2	62.6	--	--	--	--	111	--	--	10/24	2.8	36
PIONEER	94Y70	53.5	42.7	--	48.1	--	95	90	--	10/16	1.5	37
PIONEER	94Y80	56.2	48.1	--	52.2	--	99	102	--	10/16	1.8	38
PIONEER	95Y10	59.0	48.3	--	53.7	--	104	102	--	10/19	1.0	36
	AVERAGES	56.5	47.3	42.5								
	CV (%)	5.2	7.7	7.5								
	LSD (0.10)	3.5	4.3	3.8								

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

Planted into wet conditions and adequate moisture persisted. Adequate moisture and cooler temps were seen throughout the growing season, resulting in good yields throughout the test.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.6	3.1	1.4	3.8	2.8	3.4	17.1

Planted 5/22/2013 at 9 seeds/ft; harvested 10/29/2013; 26 ft. by 2-row plot; pesticides: 2 applications of Roundup (32oz)

Table 12. Scandia, Republic County Irrigated Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ASGROW	AG3931	62.2	--	--	--	--	107	--	--	--	--	--
ASGROW	AG4531	59.2	--	--	--	--	102	--	--	--	--	--
MIDLAND	3423NR2	51.8	77.0	--	64.4	--	89	102	--	--	--	--
MIDLAND	3633NR2	56.6	79.0	62.3	67.8	66.0	98	105	102	--	--	--
MIDLAND	3824NRS2	50.9	--	--	--	--	88	--	--	--	--	--
MIDLAND	3884NR2	60.9	--	--	--	--	105	--	--	--	--	--
MIDLAND	3983NR2	62.7	74.4	--	68.6	--	108	99	--	--	--	--
MIDLAND	4044NR2	57.9	--	--	--	--	100	--	--	--	--	--
NK	S30-E9	51.8	--	--	--	--	89	--	--	--	--	--
NK	S34-Z1 Brand	59.2	--	--	--	--	102	--	--	--	--	--
NK	S36-B6 Brand	55.7	77.0	72.3	66.4	68.3	96	102	118	--	--	--
NK	S38-S4 Brand	61.4	--	--	--	--	106	--	--	--	--	--
NK	S38-W4 Brand	63.5	--	--	--	--	110	--	--	--	--	--
NK	S39-U2 Brand	64.0	81.9	67.8	73.0	71.2	111	108	111	--	--	--
PHILLIPS	363 NR2YE	56.1	--	--	--	--	97	--	--	--	--	--
PHILLIPS	375 NR2YS	58.3	--	--	--	--	101	--	--	--	--	--
PHILLIPS	383 NR2YE	55.3	--	--	--	--	96	--	--	--	--	--
PHILLIPS	411 NR2Y	53.5	--	--	--	--	92	--	--	--	--	--
PIONEER	94Y01	60.9	74.2	--	67.6	--	105	98	--	--	--	--
PIONEER	94Y50	55.3	--	--	--	--	96	--	--	--	--	--
	AVERAGES	57.9	75.5	61.2								
	CV (%)	8.3	5.5	8.0								
	LSD (0.10)	6.6	5.6	6.6								

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

Planted into wet conditions and adequate moisture persisted. Adequate moisture and cooler temps were seen throughout the growing season, resulting in good yields throughout the test.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.6	3.1	1.4	3.8	2.8	3.4	17.1

Planted 5/22/2013 at 9 seeds/ft; harvested 10/29/2013; 25 ft. by 2-row plot; pesticides: 2 applications of Roundup (32oz)

Table 13. Belleville, Republic County Dryland Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ASGROW	AG3931	42.3	--	70.6	--	--	102	--	106	--	--	--
ASGROW	AG4531	38.9	--	--	--	--	94	--	--	--	--	--
LG SEEDS	C3989R2	47.1	--	--	--	--	114	--	--	--	--	--
MIDLAND	3423NR2	39.0	46.0	--	42.5	--	94	91	--	--	--	--
MIDLAND	3633NR2	42.8	49.0	--	45.9	--	103	97	--	--	--	--
MIDLAND	3824NRS2	35.6	--	--	--	--	86	--	--	--	--	--
MIDLAND	3884NR2	39.0	--	--	--	--	94	--	--	--	--	--
MIDLAND	3983NR2	39.4	46.7	--	43.1	--	95	93	--	--	--	--
MIDLAND	4044NR2	51.2	--	--	--	--	124	--	--	--	--	--
NK	S30-E9	45.7	51.7	--	48.7	--	110	103	--	--	--	--
NK	S34-Z1 Brand	39.9	--	--	--	--	96	--	--	--	--	--
NK	S36-B6 Brand	40.9	56.3	67.1	48.6	54.8	99	112	100	--	--	--
NK	S38-S4 Brand	36.6	--	--	--	--	88	--	--	--	--	--
NK	S38-W4 Brand	40.4	--	--	--	--	98	--	--	--	--	--
NK	S39-U2 Brand	40.9	48.4	--	44.7	--	99	96	--	--	--	--

Table 13 continued. Belleville, Republic County Dryland Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
PHILLIPS	363 NR2YE	42.8	--	--	--	--	103	--	--	--	--	--
PHILLIPS	375 NR2YS	42.1	--	--	--	--	102	--	--	--	--	--
PHILLIPS	383 NR2YE	37.0	--	--	--	--	89	--	--	--	--	--
PHILLIPS	384 NR2YS	38.0	--	--	--	--	92	--	--	--	--	--
PHILLIPS	392 NR2YS	42.5	54.7	--	48.6	--	103	109	--	--	--	--
PHILLIPS	411 NR2Y	45.7	--	--	--	--	110	--	--	--	--	--
PIONEER	94Y01	45.7	40.4	--	43.1	--	110	80	--	--	--	--
PIONEER	94Y50	38.9	--	--	--	--	94	--	--	--	--	--
	AVERAGES	41.4	50.3	66.9								
	CV (%)	13.1	13.7	8.9								
	LSD (0.10)	7.4	9.4	8.0								

Values in bold are in the upper LSD group.

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

Ladysmith silty clay loam, pH n/a

Planted into extremely dry conditions that persisted until late vegetative stage, when conditions improved to above normal for this region.

April May June July Aug. Sept. Total

Rainfall: 2.3 5.9 2.2 5.8 5.0 2.8 24.0

Planted 6/11/2013 at 7 seeds/ft; harvested 10/15/2013; 11 ft. by 2-row plot; pesticides: Pre-emerge Authority First (4oz); Post-emerge Roundup PowerMax (32oz)

Table 14. Assaria, Saline County Dryland Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ADVANCED GENETICS	AG4233S R2Y	47.8	33.3	17.4	40.6	32.8	99	90	112	10/4	1.0	39
ADVANCED GENETICS	AG4422S R2Y	44.6	--	--	--	--	92	--	--	10/7	1.0	40
ASGROW	AG3931	47.8	--	14.6	--	--	99	--	94	9/30	2.3	42
ASGROW	AG4531	48.1	--	19.5	--	--	99	--	125	10/6	2.8	48
MIDLAND	3824NRS2	45.0	--	--	--	--	93	--	--	9/29	2.0	43
MIDLAND	3850NR2	45.7	34.2	10.7	40.0	30.2	94	92	69	9/25	2.5	44
MIDLAND	3981NR2	51.9	36.7	--	44.3	--	107	99	--	10/2	2.8	47
MIDLAND	4123NR2	46.1	36.0	--	41.1	--	95	97	--	9/30	2.0	44
MIDLAND	4263NRS2	52.0	34.7	--	43.4	--	107	94	--	10/6	1.5	44
MIDLAND	4580RS2	49.0	37.8	--	43.4	--	101	102	--	10/7	1.5	43
MIDLAND	4593NRS2	45.6	39.2	--	42.4	--	94	106	--	10/6	1.8	46
MIDLAND	4614NRS2	49.6	--	--	--	--	102	--	--	10/6	2.8	48
PHILLIPS	375 NR2YS	45.2	--	--	--	--	93	--	--	10/1	1.0	41
PHILLIPS	383 NR2YE	52.5	--	--	--	--	108	--	--	9/26	1.5	43
PHILLIPS	384 NR2YS	48.9	--	--	--	--	101	--	--	9/30	2.3	43
PHILLIPS	392 NR2YS	52.3	37.3	--	44.8	--	108	101	--	10/1	1.3	42
PHILLIPS	411 NR2Y	48.5	42.6	--	45.6	--	100	115	--	10/5	1.0	41
PHILLIPS	417 NRSE	41.5	--	15.1	--	--	86	--	97	10/3	1.0	38
PHILLIPS	433 NR2YS	49.6	37.8	--	43.7	--	102	102	--	10/6	1.0	41
PHILLIPS	454 NR2YS	53.7	--	--	--	--	111	--	--	10/6	1.0	41
PIONEER	94Y01	50.5	37.1	--	43.8	--	104	100	--	10/5	3.0	45
PIONEER	94Y50	49.8	--	--	--	--	103	--	--	10/7	2.5	46
	AVERAGES	48.4	37.0	15.6								
	CV (%)	8.9	11.1	19.5								
	LSD (0.10)	5.1	4.8	4.1								

Values in bold are in the upper LSD group.

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

Fine sandy loam, pH n/a

Conditions were excellent early in the season with plenty of moisture for planting. Irrigation applied during seed fill, but in lower amounts than usual because of above-average rainfall in July and August.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.6	5.6	2.5	5.6	11.2	3.9	32.4

Planted 5/14/2013 at 8 seeds/ft; harvested 10/16/2013; 11 ft. by 2-row plot; pesticides: Pre-emerge Authority First (4oz); Post-emerge Roundup PowerMax (32oz)

Table 15. Hutchinson, Reno County Irrigated Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ADVANCED GENETICS	AG4233S R2Y	56.7	47.2	60.4	52.0	54.8	87	85	97	10/3	1.3	27
ADVANCED GENETICS	AG4422S R2Y	60.8	--	--	--	--	93	--	--	10/6	1.0	30
ADVANCED GENETICS	AG4700S R2Y	65.3	--	--	--	--	100	--	--	10/6	1.5	34
ASGROW	AG3931	65.2	--	63.4	--	--	100	--	102	10/1	1.5	31
ASGROW	AG4531	69.6	--	--	--	--	107	--	--	10/5	1.0	33
LG SEEDS	C3650R2	57.2	--	--	--	--	88	--	--	9/30	1.0	34
LG SEEDS	C3770R2	61.1	--	--	--	--	94	--	--	9/28	1.5	30
LG SEEDS	C3989R2	59.4	48.4	--	53.9	--	91	88	--	10/1	1.8	32
LG SEEDS	C4544R2	62.2	--	--	--	--	95	--	--	10/7	2.5	36
LG SEEDS	CEX385R2	67.4	--	--	--	--	103	--	--	9/27	1.0	32
MIDLAND	3824NRS2	60.9	--	--	--	--	93	--	--	9/28	1.0	34
MIDLAND	3850NR2	64.0	49.6	61.1	56.8	58.2	98	90	98	10/2	1.3	33
MIDLAND	3981NR2	72.1	67.7	62.3	69.9	67.4	110	122	100	10/6	2.0	36
MIDLAND	3983NR2	68.2	61.4	--	64.8	--	104	111	--	10/7	1.8	35
MIDLAND	4123NR2	65.5	60.7	--	63.1	--	100	110	--	10/4	1.5	34
MIDLAND	4263NRS2	70.9	49.9	--	60.4	--	109	90	--	10/4	1.8	33
MIDLAND	4443NRS2	67.9	49.6	--	58.8	--	104	90	--	10/6	1.3	32
MIDLAND	4543NRS2	61.2	--	--	--	--	94	--	--	10/6	1.5	39
MIDLAND	4580RS2	68.0	59.0	62.7	63.5	63.2	104	107	101	10/6	1.3	35
MIDLAND	4593NRS2	67.5	64.3	--	65.9	--	103	116	--	10/6	1.5	38
MIDLAND	4614NRS2	68.9	--	--	--	--	106	--	--	10/7	2.0	39
MIDLAND	4792RS2	67.8	57.2	63.7	62.5	62.9	104	103	102	10/6	2.0	37
MIDLAND	4813NRS2	61.2	51.8	--	56.5	--	94	94	--	10/7	2.5	39
MIDLAND	4963NRS2	62.9	62.1	--	62.5	--	96	112	--	10/9	1.5	36
MIDLAND	5134NR2	60.5	--	--	--	--	93	--	--	10/9	1.3	42
NUTECH/G2 GENETICS	7390	69.9	--	69.5	--	--	107	--	112	10/4	1.5	29
NUTECH/G2 GENETICS	7393	66.8	--	--	--	--	102	--	--	10/3	1.0	29
NUTECH/G2 GENETICS	7403	61.8	--	--	--	--	95	--	--	10/6	1.0	30
NUTECH/G2 GENETICS	7414	74.9	70.3	--	72.6	--	115	127	--	10/5	1.3	33
PHILLIPS	383 NR2YE	64.2	--	--	--	--	98	--	--	9/26	1.5	33
PHILLIPS	411 NR2Y	68.7	63.0	--	65.9	--	105	114	--	10/5	1.5	34
PHILLIPS	417 NRSE	65.5	--	64.9	--	--	100	--	104	10/4	1.0	31
PHILLIPS	433 NR2YS	70.2	51.7	--	61.0	--	108	93	--	10/7	1.5	34
PHILLIPS	454 NR2YS	65.0	58.3	--	61.7	--	100	105	--	10/5	1.5	33
PHILLIPS	469 NR2YS	64.7	--	--	--	--	99	--	--	10/6	2.0	38
PHILLIPS	499 NR2YS	70.0	55.5	--	62.8	--	107	100	--	10/9	1.3	36
PIONEER	94Y01	55.9	56.5	--	56.2	--	86	102	--	10/1	1.5	31
PIONEER	94Y50	71.8	--	--	--	--	110	--	--	10/6	1.8	38
	AVERAGES	65.3	55.3	62.2								
	CV (%)	8.6	10.9	5.6								
	LSD (0.10)	6.6	7.0	4.0								

Values in bold are in the upper LSD group.

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

Woodson silt loam, pH n/a

Planted into dry conditions, harming stand establishment. Dry conditions and heat persisted for most of the growing season until late reproductive stages, when moisture and cooler temps prevailed. Varieties were able to make up for early season drought conditions.

April May June July Aug. Sept. Total
Rainfall: 3.7 2.9 6.0 2.4 5.2 5.5 25.7

Planted 5/28/2013 at 8 seeds/ft; harvested 10/21/2013; 11 ft. by 2-row plot; pesticides: Pre-emerge-6oz Authority XL and 1.5 pt Dual Magnum

Table 18. Ottawa, Franklin County Dryland Conventional/Liberty Link Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ARKANSAS	OSAGE	41.6	--	--	--	--	82	--	--	10/23	1.0	32
ARKANSAS	OZARK	41.8	--	--	--	--	83	--	--	10/13	1.0	36
ARKANSAS	UA4913C	40.2	--	--	--	--	79	--	--	10/4	1.0	35
ARKANSAS	UA5213C	44.8	--	--	--	--	89	--	--	10/13	1.5	35
ARKANSAS	UA5612	42.3	--	--	--	--	84	--	--	10/26	2.0	37
ASGROW	AG3931 RR check	59.8	--	--	--	--	118	--	--	9/26	1.0	37
ASGROW	AG4531 RR check	60.0	--	--	--	--	119	--	--	10/1	1.0	36
BAYER	HBK LL4650	60.3	--	--	--	--	119	--	--	9/27	1.0	39
BAYER	HBK LL4850	48.4	--	--	--	--	96	--	--	10/2	1.5	36
BAYER	HBK LL4950	48.3	--	--	--	--	95	--	--	10/15	1.0	42
BAYER	HBK LL5350	47.8	--	--	--	--	94	--	--	10/13	1.5	31
IOWA AES	IA3023	52.8	--	--	--	--	104	--	--	9/22	1.0	27
IOWA AES	IA4004	53.2	30.1	26.0	41.7	36.4	105	96	98	9/22	1.5	35
KANSAS AES	K04-3083RR RR check	44.5	--	--	--	--	88	--	--	10/6	1.0	44
KANSAS AES	K07-1633	53.5	32.0	21.1	42.8	35.5	106	102	80	9/24	1.0	36
KANSAS AES	K10-8556	52.3	--	--	--	--	103	--	--	9/25	1.0	25
MISSOURI	MU EXP 4100N	60.0	--	--	--	--	119	--	--	9/25	1.0	36
MISSOURI	MU EXP 4400N	51.3	--	--	--	--	101	--	--	9/26	1.0	38
MORSOY	LL 4653N	56.3	--	--	--	--	111	--	--	9/28	1.0	32
MORSOY	LLS 4823N	47.7	--	--	--	--	94	--	--	10/6	1.0	41
PIONEER	94Y01 RR check	56.5	28.2	--	42.4	--	112	90	--	9/26	1.0	34
	AVERAGES	50.6	31.5	26.4								
	CV (%)	10.8	22.5	17.2								
	LSD (0.10)	6.4	8.4	5.4								

Values in bold are in the upper LSD group.

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

Crete silt loam, pH 5.8

Planted into wet conditions and adequate moisture persisted. Adequate moisture and cooler temps were seen throughout the growing season, resulting in good yields throughout the test.

April May June July Aug. Sept. Total
Rainfall: 2.6 3.1 1.4 3.8 2.8 3.4 17.1

Planted 5/22/2013 at 9 seeds/ft; harvested 10/29/2013; 26 ft. by 2-row plot

Table 19. Scandia, Republic County Irrigated Conventional/Liberty Link Soybean Performance Test, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013		
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)
ASGROW	AG3931 RR check	65.2	--	--	--	--	111	--	--	--	--	--
ASGROW	AG4531 RR check	63.7	--	--	--	--	109	--	--	--	--	--
IOWA AES	IA3023	64.2	--	--	--	--	110	--	--	--	--	--
IOWA AES	IA4004	50.3	62.4	56.9	56.4	56.5	86	95	96	--	--	--
KANSAS AES	K07-1633	58.4	63.7	59.9	61.1	60.7	100	97	101	--	--	--
KANSAS AES	K10-8556	62.8	--	--	--	--	107	--	--	--	--	--
MISSOURI	MU EXP 4100N	50.3	--	--	--	--	86	--	--	--	--	--
MISSOURI	MU EXP 4400N	60.5	--	--	--	--	103	--	--	--	--	--
PIONEER	94Y01 RR check	51.4	66.4	--	58.9	--	88	102	--	--	--	--
	AVERAGES	58.5	65.4	59.2								
	CV (%)	9.9	10.0	7.1								
	LSD (0.10)	8.3	9.2	6.1								

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

Parsons Silt Loam, pH n/a

Hot and dry conditions from planting until end of July. Late July and early August rainfall were extremely beneficial to soybean crop. Frost on October 25 did not affect yield or quality even though not all soybeans had reached physiological maturity.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	5.8	5.9	3.4	4.0	6.0	7.9	33.0

Planted 6/13/2013 at 7 seeds/ft; harvested 11/18/2013; 14 ft. by 2-row plot

Table 20. Parsons, Labette County Dryland Conventional/Liberty Link Soybean Performance Test, MG III-IV, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013			
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)	
ASGROW	AG3931	RR check	39.7	--	--	--	--	103	--	--	9/26	1.5	39
ASGROW	AG4531	RR check	52.0	--	--	--	--	135	--	--	10/3	1.0	36
BAYER	HBK LL4650		36.5	--	--	--	--	95	--	--	9/27	1.3	40
MISSOURI	MU EXP 4100N		28.5	--	--	--	--	74	--	--	9/26	1.3	35
MISSOURI	MU EXP 4400N		35.1	--	--	--	--	91	--	--	10/2	2.0	38
	AVERAGES		38.4	--	--								
	CV (%)		7.5	--	--								
	LSD (0.10)		3.6	--	--								

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

Parsons Silt Loam, pH n/a

Hot and dry conditions from planting until end of July. Late July and early August rainfall were extremely beneficial to soybean crop. Frost on October 25 did not affect yield or quality even though not all soybeans had reached physiological maturity.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	5.8	5.9	3.4	4.0	6.0	7.9	33.0

Planted 6/13/2013 at 7 seeds/ft; harvested 11/18/2013 ; 14 ft. by 2-row plot

Table 21. Parsons, Labette County Dryland Conventional/Liberty Link Soybean Performance Test, MG IV-V, 2011-2013

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2013			
		2013	2012	2011	2-yr. AVG	3-yr. AVG	2013	2012	2011	Mat	Lodge score	Ht (in.)	
ARKANSAS	OSAGE	45.6	--	--	--	--	110	--	--	10/18	1.0	34	
ARKANSAS	OZARK	40.7	--	--	--	--	98	--	--	10/20	2.0	36	
ARKANSAS	UA4913C	39.0	--	--	--	--	94	--	--	10/13	1.0	36	
ARKANSAS	UA5213C	45.1	--	--	--	--	109	--	--	10/19	1.5	36	
ARKANSAS	UA5612	45.5	--	--	--	--	110	--	--	10/23	2.0	38	
ASGROW	AG5533	RR check	46.5	--	--	--	112	--	--	10/19	2.0	39	
BAYER	HBK LL4850		39.5	--	--	--	95	--	--	10/9	1.0	36	
BAYER	HBK LL4950		43.6	--	--	--	105	--	--	10/21	1.0	43	
BAYER	HBK LL5350		39.0	--	--	--	94	--	--	10/21	1.5	33	
KANSAS AES	K04-3083RR	RR check	36.7	--	--	--	88	--	--	10/9	2.0	46	
KANSAS AES	KS5004N		39.5	36.8	15.9	38.2	30.7	95	97	127	10/10	1.0	34
KANSAS AES	KS5502N		40.4	41.2	15.7	40.8	32.4	97	109	126	10/20	1.0	33
KANSAS AES	KS5507NRR	RR check	38.6	41.9	17.9	40.3	32.8	93	111	143	10/23	1.0	33
MORSOY	LL 5003N		42.9	--	--	--	--	103	--	--	10/16	1.0	40
MORSOY	LLS 4823N		39.2	--	--	--	--	94	--	--	10/11	1.0	42
PIONEER	95Y10	RR check	42.8	--	--	--	--	103	--	--	10/9	1.0	41
	AVERAGES		41.5	37.9	12.5								
	CV (%)		3.4	8.7	13.9								
	LSD (0.10)		7.0	3.9	2.1								

Values in bold are in the upper LSD group.

Table 22. Yield as a Percentage of Test Average from 2013 Roundup-Resistant Soybean Tests

BRAND/NAME	Onaga	Topeka dryland	Topeka irrigated	Ottawa	Parsons		McCune		Erie		Belle- ville	Assaria	Hutch- inson	Garden City	Colby	AVG	
					MG4	MG 5	MG 4	MG 5	MG 4	MG 5	Scandia						
ADVANCED GENETICS																	
AG4233S R2Y	--	--	--	--	--	--	--	--	--	--	--	99	87	--	--	93	
AG4422S R2Y	--	--	--	104	--	--	--	--	--	--	--	92	93	--	--	96	
AG4700S R2Y	--	--	--	92	--	--	--	--	--	--	--	--	100	--	--	96	
AG4844S R2Y	--	--	--	99	--	105	--	106	--	88	--	--	--	--	--	99	
AG5133N R2Y	--	--	--	--	--	103	--	92	--	--	--	--	--	--	--	97	
ARKANSAS																	
R04-1250RR	--	--	--	--	--	96	--	96	--	102	--	--	--	--	--	98	
R04-1268RR	--	--	--	--	--	102	--	91	--	98	--	--	--	--	--	97	
ASGROW																	
AG3931	96	110	93	111	94	--	80	--	95	--	107	102	99	100	78	104	100
AG4531	116	86	90	92	98	--	108	--	107	--	102	94	99	107	76	101	102
AG5533	--	--	--	--	--	105	--	89	--	118	--	--	--	--	--	--	106
BAYER																	
HBK RY4620	--	--	--	--	110	--	102	--	110	--	--	--	--	--	--	--	107
HBK RY4721	--	--	--	--	--	95	--	97	--	92	--	--	--	--	--	--	95
HBK RY5221	--	--	--	--	--	100	--	99	--	117	--	--	--	--	--	--	105
HBK RY5421	--	--	--	--	--	101	--	116	--	105	--	--	--	--	--	--	107
KANSAS AES																	
K04-3083RR	--	--	--	--	--	86	--	97	--	88	--	--	--	--	--	--	89
KS5507NRR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	93
LG SEEDS																	
C2835R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	94	94
C3055R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	93	93
C3111R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	96	96
C3220R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	94	94
C3399R2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98	98
C3650R2	--	--	--	--	--	--	--	--	--	--	--	--	88	95	--	--	91
C3770R2	--	--	--	--	--	--	--	--	--	--	--	--	94	72	--	--	83
C3890R2	--	--	--	--	--	--	--	--	--	--	--	--	--	110	--	--	110
C3989R2	109	--	--	--	--	--	--	--	--	--	114	--	91	117	--	--	108
C4211R2	--	--	--	--	--	--	--	--	--	--	--	--	--	91	--	--	91
C4544R2	--	--	--	--	--	--	--	--	--	--	--	--	95	--	--	--	95
CEX385R2	--	--	--	--	--	--	--	--	--	--	--	--	103	--	--	--	103
MIDLAND																	
3423NR2	--	--	--	--	--	--	--	--	--	--	89	94	--	--	--	95	93
3633NR2	96	112	99	--	--	--	--	--	--	--	98	103	--	--	--	97	101
3824NRS2	101	103	105	--	--	--	--	--	--	--	88	86	93	93	85	95	94
3850NR2	--	--	--	--	--	--	--	--	--	--	--	94	98	89	--	--	94
3884NR2	93	113	109	--	--	--	--	--	--	105	94	--	--	--	111	104	
3981NR2	--	--	--	--	--	--	--	--	--	--	--	107	110	116	--	--	111
3983NR2	87	98	103	106	--	--	--	--	--	108	95	--	104	103	109	102	
4044NR2	99	102	88	116	--	--	--	--	--	100	124	--	--	--	--	--	105
4123NR2	--	--	--	--	--	--	--	--	--	--	--	95	100	72	--	--	89
4263NRS2	--	--	--	--	--	--	--	--	--	--	--	107	109	57	--	--	91
4373NR2	98	107	117	112	103	--	101	--	93	--	--	--	--	--	--	--	104
4443NRS2	--	--	--	--	--	--	--	--	--	--	--	--	104	96	--	--	100
4543NRS2	112	92	86	108	95	--	107	--	98	--	--	--	94	95	--	--	98
4580RS2	--	89	--	99	99	--	114	--	98	--	--	101	104	129	--	--	104
4593NRS2	--	--	--	--	--	--	--	--	--	--	--	94	103	79	--	--	92
4614NRS2	--	--	--	--	--	--	--	--	--	--	--	102	106	124	--	--	111
4703NR2	--	--	--	103	--	99	--	99	--	89	--	--	--	--	--	--	97
4792RS2	--	--	--	90	--	102	--	106	--	93	--	--	104	134	--	--	105
4813NRS2	--	--	--	95	--	89	--	101	--	--	--	--	94	135	--	--	103
4963NRS2	--	--	--	--	--	--	--	--	--	--	--	--	96	99	--	--	97
5134NR2	--	--	--	--	--	100	--	102	--	104	--	--	93	113	--	--	102

Table 22 continued. Yield as a Percentage of Test Average from 2013 Roundup-Resistant Soybean Tests

BRAND/NAME	Onaga	Topeka dryland	Topeka irrigated	Ottawa	Parsons MG4 MG 5		McCune MG 4 MG 5		Erie MG 4 MG 5		Scandia	Belle- ville	Assaria	Hutch- inson	Garden City	Colby	AVG
MORSOY																	
R2 38X52N	101	111	--	--	--	--	--	--	--	--	--	--	--	--	--	--	106
R2 42X53N	--	102	105	107	--	--	--	--	--	--	--	--	--	--	--	--	105
R2 43X43N	--	92	102	99	--	--	--	--	--	--	--	--	--	--	--	--	98
R2 51X03N	--	--	--	--	--	95	--	111	--	--	--	--	--	--	--	--	103
R2 53X82N	--	--	--	--	--	98	--	--	--	--	--	--	--	--	--	--	98
R2S 47X12N	--	82	79	96	--	110	--	116	--	105	--	--	--	--	--	--	98
R2S 48X10	--	--	--	--	--	--	--	--	--	97	--	--	--	--	--	--	97
R2S 56X02N	--	--	--	--	--	94	--	--	--	--	--	--	--	--	--	--	94
MYCOGEN																	
5N478	--	--	--	--	--	89	--	--	--	100	--	--	--	--	--	--	94
X53479R2	--	--	--	--	--	112	--	--	--	110	--	--	--	--	--	--	111
X53510R2	--	--	--	--	--	99	--	--	--	94	--	--	--	--	--	--	96
X53540R2	--	--	--	--	--	97	--	--	--	91	--	--	--	--	--	--	94
X53550R2	--	--	--	--	--	103	--	--	--	111	--	--	--	--	--	--	107
NK																	
S30-E9	--	--	--	--	--	--	--	--	--	--	89	110	--	--	--	--	100
S34-Z1 Brand	--	--	--	--	--	--	--	--	--	--	102	96	--	--	--	--	99
S36-B6 Brand	--	--	--	--	--	--	--	--	--	--	96	99	--	--	--	--	97
S38-S4 Brand	--	--	--	--	--	--	--	--	--	--	106	88	--	--	--	--	97
S38-W4 Brand	--	--	--	--	--	--	--	--	--	--	110	98	--	--	--	--	104
S39-U2 Brand	--	--	--	--	--	--	--	--	--	--	111	99	--	--	--	--	105
NUTECH/G2 GENETICS																	
7390	--	--	--	--	--	--	--	--	--	--	--	--	--	107	--	--	107
7393	--	--	--	--	--	--	--	--	--	--	--	--	--	102	--	--	102
7403	--	--	--	--	--	--	--	--	--	--	--	--	--	95	--	--	95
7414	--	--	--	--	--	--	--	--	--	--	--	--	--	115	--	--	115
PHILLIPS																	
363 NR2YE	99	117	118	--	--	--	--	--	--	--	97	103	--	--	--	--	107
375 NR2YS	93	112	109	--	--	--	--	--	--	--	101	102	93	--	--	--	102
383 NR2YE	96	106	91	--	--	--	--	--	--	--	96	89	108	98	--	--	98
384 NR2YS	105	109	--	--	--	--	--	--	--	--	--	92	101	--	--	--	102
392 NR2YS	96	92	83	--	--	--	--	--	--	--	--	103	108	--	--	--	96
411 NR2Y	95	103	96	--	--	--	--	--	--	--	92	110	100	105	--	--	100
417 NRSE	--	--	--	--	--	--	--	--	--	--	--	--	86	100	--	--	93
433 NR2YS	110	--	--	--	--	--	--	--	--	--	--	--	102	108	--	--	107
454 NR2YS	--	--	--	--	--	--	--	--	--	--	--	--	111	100	--	--	105
469 NR2YS	--	--	--	--	--	--	--	--	--	--	--	--	--	99	--	--	99
499 NR2YS	--	--	--	--	--	--	--	--	--	--	--	--	--	107	--	--	107
PIONEER																	
94Y01	106	108	105	97	--	--	--	--	--	--	105	110	104	86	92	107	102
94Y50	91	90	93	100	101	--	96	--	96	--	96	94	103	110	143	104	101
94Y70	--	--	--	--	--	97	--	91	--	95	--	--	--	--	--	--	94
94Y80	--	--	--	--	--	106	--	103	--	99	--	--	--	--	--	--	103
95Y10	--	--	--	--	--	110	--	102	--	104	--	--	--	--	--	--	105
PROGENY																	
P 4211 RY	--	--	--	--	105	--	85	--	93	--	--	--	--	--	--	--	94
P 4313 RY	--	--	--	--	103	--	102	--	105	--	--	--	--	--	--	--	103
P 4510 RY	--	--	--	--	93	--	107	--	106	--	--	--	--	--	--	--	102
WILLCROSS																	
RY 2460S	--	93	92	102	--	--	--	--	--	--	--	--	--	--	--	--	96
RY 2494NS	--	81	99	93	--	113	--	86	--	--	--	--	--	--	--	--	94
RY 2513N	--	--	--	--	--	97	--	101	--	--	--	--	--	--	--	--	99
RY2533N	--	--	--	--	--	93	--	103	--	--	--	--	--	--	--	--	98
RY2543N	--	--	--	--	--	106	--	99	--	--	--	--	--	--	--	--	103
WX 2434N	--	93	119	76	--	--	--	--	--	--	--	--	--	--	--	--	96
WX 2464N	--	93	117	102	--	--	--	--	--	--	--	--	--	--	--	--	104

Table 23. Yield as a Percentage of Test Average from 2013 Conventional/Liberty Link Soybean Tests

BRAND/NAME	Ottawa	Scandia	Parsons MG 4	Parsons MG 5	AVG
ARKANSAS					
OSAGE	82	--	--	110	96
OZARK	83	--	--	98	90
UA4913C	79	--	--	94	87
UA5213C	89	--	--	109	99
UA5612	84	--	--	110	97
BAYER					
HBK LL4650	119	--	95	--	107
HBK LL4850	96	--	--	95	95
HBK LL4950	95	--	--	105	100
HBK LL5350	94	--	--	94	94
IOWA AES					
IA3023	104	110	--	--	107
IA4004	105	86	--	--	96
KANSAS AES					
K07-1633	106	100	--	--	103
K10-8556	103	107	--	--	105
KS5004N	--	--	--	95	95
KS5502N	--	--	--	97	97
MISSOURI					
MU EXP 4100N	119	86	74	--	93
MU EXP 4400N	101	103	91	--	99
MORSOY					
LL 4653N	111	--	--	--	111
LL 5003N	--	--	--	103	103
LLS 4823N	94	--	--	94	94

Table 24. Description of Roundup-Resistant Entries in 2013 Soybean Performance Tests

BRAND	NAME	Maturity group	Flower color	Hilum color	SCN resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
ADVANCED GENETICS	AG4233S R2Y	4.2	P	BL	--	R	--	R	PI88788	--	4.0	--
ADVANCED GENETICS	AG4422S R2Y	4.4	P	BF	--	R	--	MR	PI88788	--	4.0	--
ADVANCED GENETICS	AG4700S R2Y	4.7	P	BL	--	--	--	--	--	Rps1c	3.0	STS
ADVANCED GENETICS	AG4844S R2Y	4.8	W	BL	--	R	--	MR	PI88788	--	4.0	--
ADVANCED GENETICS	AG5133N R2Y	5.1	--	--	--	--	--	--	--	--	--	--
ARKANSAS	R04-1250RR	5.5	P	BF	--	--	--	--	--	--	--	--
ARKANSAS	R04-1268RR	5.4	W	BF	--	--	--	--	--	--	--	--
ASGROW	AG3931	3.9	P	IB	--	R	--	--	PI88788	S	6.0	--
ASGROW	AG4531	4.5	P	IB	--	--	--	--	PI88788	Rps1c	7.0	--
ASGROW	AG5533	5.5	P	IB	--	R	--	--	PI88788	S	5.0	STS
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	--	--	--	--	--	--
KANSAS AES	K04-3083RR	4.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	KS5507NRR	5.2	P	IB	R	R	R	R	PI437654	--	--	--
KANSAS AES	TEMP EXP 4.9	4.9	--	--	--	--	--	--	--	--	--	--
LG SEEDS	C2835R2	2.8	P	IB	--	R	--	--	MR14	Rps1c	1.0	--
LG SEEDS	C3055R2	3.0	P	BL	--	--	--	--	--	--	--	--
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	C3650R2	3.6	P	IB	--	R	--	MR	--	Rps1c	--	--
LG SEEDS	C3770R2	3.7	P	IB	--	R	--	MR	--	Rps1c	--	--
LG SEEDS	C3890R2	3.8	P	IB	--	R	--	--	MR14	Rps1c	2.0	X
LG SEEDS	C3989R2	3.9	P	IB	--	R	--	--	MR14	Rps1k	--	--
LG SEEDS	C4211R2	4.2	P	B	--	R	--	--	MR14	Rps1a	--	--
LG SEEDS	C4544R2	4.5	P	BL	--	R	--	MR	--	Rps1c	--	--
LG SEEDS	CEX385R2	3.8	P	IB	--	R	--	MR	--	Rps1c	--	--
MIDLAND	3423NR2	3.0	--	--	--	R	--	MR	PI88788	--	1.7	--
MIDLAND	3633NR2	3.0	--	--	--	R	--	MR	PI88788	--	1.7	--
MIDLAND	3824NRS2	3.8	--	--	--	R	--	MR	PI88788	--	2.0	STS
MIDLAND	3850NR2	3.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	3884NR2	3.8	--	--	--	R	--	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	4123NR2	4.0	--	--	--	R	--	MR	PI88788	--	1.5	--
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	4543NRS2	4.5	--	--	--	R	--	R	PI88788	--	2.0	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	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	5134NR2	5.1	--	--	--	R	--	MR	PI88788	--	2.0	--
MORSOY	R2 38X52N	3.8	P	IB	--	R	--	M	PI88788	Rps1c	2.0	--
MORSOY	R2 42X53N	4.2	P	BL	--	R	--	M	PI88788	Rps1a	3.0	--
MORSOY	R2 43X43N	4.3	W	BL	--	R	--	MR	PI88788	--	2.0	--
MORSOY	R2 51X03N	5.1	P	BL	--	R	--	M	PI88788	Rps1c	2.0	--
MORSOY	R2 53X82N	5.3	W	BF	--	R	--	MR	PI88788	--	1.9	--
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
MYCOGEN	5N478	4.7	P	BL	--	R	--	MR	--	IC	7.0	STS
MYCOGEN	X53479R2	4.7	P	IB	--	R	--	MR	--	IC	8.0	STS
MYCOGEN	X53510R2	5.1	P	BL	--	R	--	MR	--	IC	8.0	STS

Table 24 continued. Description of Roundup-Resistant Entries in 2013 Soybean Performance Tests

BRAND	NAME	Maturity group	Flower color	Hilum color	SCN resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
MYCOGEN	X53540R2	5.4	W	BF	--	R	--	MR	--	NG	8.0	--
MYCOGEN	X53550R2	5.5	P	BF	--	R	--	MR	--	NG	9.0	--
NK	S30-E9	3.0	P	IB	--	R	--	R	PI88788	Rps1c	3.0	--
NK	S34-Z1 Brand	3.4	W	BL	--	R	--	R	PI88788	Rps1c	5.0	--
NK	S36-B6 Brand	--	--	--	--	--	--	--	--	--	--	--
NK	S38-S4 Brand	3.8	W	BL	--	R	--	R	S	--	4.0	--
NK	S38-W4 Brand	3.8	W	BL	--	--	--	R	PI88788	--	4.0	--
NK	S39-U2 Brand	3.9	--	--	--	--	--	--	--	--	5.0	--
NUTECH/G2 GENETICS	7390	3.9	W	BI	--	R	R	--	PI88788	Rps1k	--	--
NUTECH/G2 GENETICS	7393	3.9	P	BL	--	R	--	R	PI88788	Rps1k	5.0	--
NUTECH/G2 GENETICS	7403	4.0	P	BL	--	R	--	R	PI88788	Rps1k	5.0	--
NUTECH/G2 GENETICS	7414	4.1	W	BL	--	R	--	R	PI88788	Rps1k	5.0	--
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 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	469 NR2YS	4.6	--	--	--	--	--	--	--	--	--	--
PHILLIPS	499 NR2YS	--	--	--	--	--	--	--	--	--	--	--
PIONEER	94Y01	4.0	--	--	--	--	--	--	--	--	--	--
PIONEER	94Y50	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--
PROGENY	P 4211 RY	4.2	P	IB	--	R	--	MR	--	--	--	--
PROGENY	P 4313 RY	4.3	P	BL	--	R	--	--	--	--	3.0	--
PROGENY	P 4510 RY	4.5	P	BL	--	--	--	--	--	--	--	--
WILLCROSS	RY 2460S	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY 2494NS	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY 2513N	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2533N	5.3	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2543N	5.4	--	--	--	--	--	--	--	--	--	--
WILLCROSS	WX 2434N	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	WX 2464N	--	--	--	--	--	--	--	--	--	--	--

Table 25. Description of Conventional/Liberty Link Entries in 2013 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	UA4913C	4.9	P	BL	--	--	--	--	--	--	--	--
ARKANSAS	UA5213C	5.2	P	BF	--	--	--	--	--	--	--	--
ARKANSAS	UA5612	5.6	P	IB	--	--	--	--	--	--	--	--
BAYER	HBK LL4650	4.6	P	BL	--	R	--	--	--	Rps1c	--	--
BAYER	HBK LL4850	4.8	W	BL	--	R	--	--	--	Rps1k	--	--
BAYER	HBK LL4950	4.9	W	IB	--	MR	--	--	--	Rps1c	--	--
BAYER	HBK LL5350	5.3	W	BL	--	R	--	--	--	Rps1k	--	--
IOWA AES	IA3023	3.0	P	Y	S	S	S	S	--	S	--	--
IOWA AES	IA4004	4.0	P	lb	S	S	S	S	--	R	--	--
KANSAS AES	K07-1633	4.2	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K10-8556	3.4	--	--	--	--	--	--	--	--	--	--
KANSAS AES	KS5004N	5.0	W	IB	R	R	--	--	PEKING	--	--	--
KANSAS AES	KS5502N	5.2	P	IB	R	R	R	R	PI437654	S	--	--
MISSOURI	MU EXP 4100N	4.1	W	BF	--	--	--	--	--	--	--	--
MISSOURI	MU EXP 4400N	4.5	P	BL	--	--	--	--	--	--	--	--
MORSOY	LL 4653N	4.6	W	BF	--	R	--	MR	PI88788	--	2.0	--
MORSOY	LL 5003N	5.0	P	IB	--	R	--	MR	PI88788	Rps1c	2.0	--
MORSOY	LLS 4823N	4.8	P	IB	--	R	--	MR	PI88788	--	2.0	--

1. K-State Soybean Schools scheduled at four locations in February

Kansas State University **NEW - 2014 Soybean Production Schools** **‘Save the Date’**

A series of four Kansas State University Soybean Production Schools will be offered in late February 2014 to provide in-depth training for soybean producers and key stakeholders. The schools will be held at four locations around the state.

The one-day schools will cover a number of issues facing soybean growers: irrigation management, weed control strategies, crop production practices, nutrient and soil fertility, and insect and disease management.

The final dates and specific locations have been set. The focus of the Soybean Schools will be in east central, southeast, northern and south central Kansas.

- **Feb. 24 – Topeka – Washburn Tech Conference Center**
- **Feb. 25 – Pittsburg – Memorial Auditorium**
- **Feb. 27 – Concordia – Cloud County Community College**
- **Feb. 28 – Newton – Meridian Center**

Certification credits will be offered (CCA Credits). More information on this specific point as well as related to the final program for each Soybean School will be provided in future communications.

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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 1094, '2013 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."

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