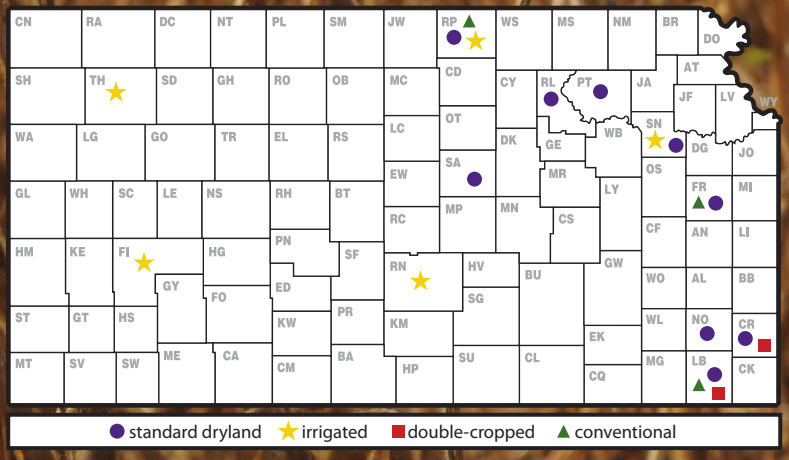
2011

Kansas Performance Tests with

Soybean Varieties

Report of Progress 1058



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Contribution no. 12-214-S from the Kansas Agricultural Experiment Station.

2011 KANSAS SOYBEAN PERFORMANCE TESTS

TEST OBJECTIVES AND PROCEDURES

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

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

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

Entries were planted in four-row plots with rows 30 inches apart and were replicated three or four times each. Seeding rate ranged from 7 to 12 seeds per foot of row. The center two rows of each plot were harvested for yield. Harvested row lengths ranged from 11 to 33 feet, depending on location. Cultural practices and rainfall for each test location are presented with each table. Results from this year's tests are presented in Tables 2 through 20. Relative yields of each entry from all locations are shown in Tables 21 and 22. Test results also can be found online at: *http://www.ksu.edu/kscpt*

DATA INTERPRETATION

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

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

Lodging is rated at maturity by the following scores:

1. Almost all plants erect
2. All plants slightly leaning or a few plants down
3. All plants leaning moderately (45%) or 25 to 50% of plants down
4. All plants leaning considerably or 50 to 80% 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, an LSD (least significant difference) was calculated. The significance level used to calculate the LSD was 10%. Unless two varieties differ in yield by more than the LSD, genetic yield potential of one entry cannot be considered superior to that of another.

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

Table 1. Entrants in the 2011 Kansas Soybean Performance Tests

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

Iowa State University
Ames, IA
515-292-3497

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

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

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

Fontanelle
Fontanelle Seeds
Fremont, NE
402-721-1410
fontanelle.com

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

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

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

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

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

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

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

Progeny
Progeny Ag Products
Wynne, AR
870-238-2079

Rinck Seed Farm (Virginia AES)
Niotaze, KS
620-673-5343

Taylor
Taylor Seed Farms, Inc
White Cloud, KS
800-742-7473
taylorseedfarms.com

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

Willcross
Willcross Seed
King City, MO
800-411-5957

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

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

Good moisture at planting, but dry conditions throughout the growing season.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.7	4.1	3.8	2.2	3.1	1.9	17.8

Planted 5/24/2011 at 7 seeds/ft; harvested 10/5/2011; 15 ft. by 2-row plot; pesticides: 22oz/a Roundup WeatherMax postemergence

Table 2. Emmett, Pottawatomie County Dryland Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
G2 GENETICS	6369	49.6	41.8	--	45.7	--	101	95	--	9/24	1.3	27
G2 GENETICS	6373	50.2	44.4	--	47.3	--	102	101	--	9/25	1.5	29
G2 GENETICS	7332	41.1	--	--	--	--	84	--	--	9/21	1.8	25
G2 GENETICS	7342	**53.5**	--	--	--	--	109	--	--	9/26	1.0	23
G2 GENETICS	7362	45.4	--	--	--	--	92	--	--	9/25	1.0	27
G2 GENETICS	7372	49.0	--	--	--	--	100	--	--	9/25	1.3	28
G2 GENETICS	7375	44.0	--	--	--	--	90	--	--	9/24	1.8	28
G2 GENETICS	7384	50.7	--	--	--	--	103	--	--	9/25	1.3	26
G2 GENETICS	7390	**56.4**	43.9	--	50.2	--	115	100	--	9/26	1.0	24
G2 GENETICS	7420	50.4	--	--	--	--	103	--	--	9/30	1.8	29
MIDLAND	3612NR2	48.7	--	--	--	--	99	--	--	9/21	1.0	26
MIDLAND	3732NR2	49.6	--	--	--	--	101	--	--	9/21	1.8	25
MIDLAND	3740NR2	45.9	43.4	65.2	44.7	51.5	93	99	103	9/21	1.5	28
MIDLAND	3822NR2	**53.9**	--	--	--	--	110	--	--	9/24	1.5	28
MIDLAND	3842NRR	51.5	--	--	--	--	105	--	--	9/24	1.0	26
MIDLAND	3850NR2	49.5	45.2	**67.9**	47.8	54.2	101	--	--	9/26	1.5	27
MIDLAND	3952NR2	48.7	--	--	--	--	99	--	--	9/21	1.5	28
MIDLAND	4162NR2	51.2	--	--	--	--	104	--	--	9/30	1.3	28
MIDLAND	4270NR2	**52.7**	44.7	62.9	48.7	53.4	107	102	100	9/28	1.5	26
MIDLAND	4329NRR	47.3	41.1	--	44.2	--	96	93	--	10/1	1.8	30
NUTECH	7359	40.1	**47.2**	--	43.7	--	82	107	--	9/24	2.5	28
NUTECH	7425S	49.8	**49.9**	--	49.9	--	101	113	--	9/30	1.5	27
OHLDE	Exp 362R	47.6	--	61.0	--	--	97	--	97	9/21	1.0	25
OHLDE	Exp 421	50.4	--	56.3	--	--	103	--	89	9/28	2.0	32
OHLDE	EXP371	46.4	--	--	--	--	95	--	--	9/24	1.8	27
OHLDE	EXP382	**52.4**	--	--	--	--	107	--	--	9/22	1.0	28
OHLDE	EXP432	51.8	--	--	--	--	106	--	--	9/26	1.8	25
OHLDE	O-3721	51.5	42.6	--	--	--	105	--	--	9/24	2.0	26
OHLDE	O-391	47.3	44.1	--	45.7	--	96	100	--	9/22	1.5	25
OHLDE	O-3921	51.7	38.8	--	45.3	--	105	88	--	9/24	1.0	26
OHLDE	O-422	51.1	**48.4**	--	49.8	--	104	110	--	9/26	1.5	26
TAYLOR	EXP 38D33	51.2	--	--	--	--	104	--	--	9/21	2.0	30
TAYLOR	EXP 39D10	41.6	--	--	--	--	85	--	--	9/21	1.5	26
TAYLOR	EXP 39T30	48.0	--	--	--	--	98	--	--	9/24	1.8	30
WILLCROSS	2350NS	44.8	--	--	--	--	91	--	--	9/21	2.5	27
WILLCROSS	2381N	51.1	--	--	--	--	104	--	--	9/24	1.0	25
WILLCROSS	RY2321N	48.4	--	--	--	--	99	--	--	9/21	1.3	26
WILLCROSS	RY2342N	49.5	--	--	--	--	101	--	--	9/21	1.8	27
WILLCROSS	RY2362N	**51.9**	--	--	--	--	106	--	--	9/21	1.3	26
WILLCROSS	RY2383N	**52.4**	--	--	--	--	107	--	--	9/23	1.5	30
WILLCROSS	RY2393N	51.2	--	--	--	--	104	--	--	9/22	1.0	27
	AVERAGES	49.1	44.0	63.1								
	CV (%)	7.9	7.1	5.2								
	LSD (0.10)	4.5	3.7	3.6								

Values in bold are in the upper LSD group.

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

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

Good moisture at planting, but dry conditions throughout the growing season.

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.2	4.6	2.3	0.9	2.4	2.8	15.1

Planted 6/11/2011 at 8 seeds/ft; harvested 10/14/2011; 27.5 ft. by 2-row plot; pesticides: 1 qt. Prefix, preemergence; 22 oz. Roundup WeatherMax + 8 oz. Shadow

Table 3. Topeka, Shawnee County Dryland Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
FONTANELLE	78N71	**69.2**	33.5	--	51.4	--	108	90	--	10/2	1.3	39
FONTANELLE	79N62	60.1	--	--	--	--	94	--	--	10/2	1.0	38
G2 GENETICS	7342	**68.5**	--	--	--	--	107	--	--	10/1	1.0	35
G2 GENETICS	7362	**71.1**	--	--	--	--	111	--	--	10/2	1.3	37
G2 GENETICS	7372	**70.1**	--	--	--	--	110	--	--	10/3	1.3	41
G2 GENETICS	7382	61.5	--	--	--	--	96	--	--	10/2	2.0	39
G2 GENETICS	7390	**69.2**	38.2	--	53.7	--	108	103	--	10/3	1.3	35
G2 GENETICS	7402	**66.8**	--	--	--	--	104	--	--	10/3	1.0	36
G2 GENETICS	7408	61.8	--	--	--	--	97	--	--	10/2	1.3	39
G2 GENETICS	7420	55.2	**45.6**	--	50.4	--	86	123	--	10/3	1.0	42
G2 GENETICS	7442	55.5	--	--	--	--	87	--	--	10/4	1.3	40
G2 GENETICS	7460	48.2	**46.5**	--	47.4	--	75	125	--	10/5	1.7	46
MIDLAND	3612NR2	**70.8**	--	--	--	--	111	--	--	9/30	1.3	36
MIDLAND	3732NR2	57.8	--	--	--	--	90	--	--	9/30	1.0	34
MIDLAND	3740NR2	**69.6**	33.5	67.7	51.6	56.9	109	90	101	9/30	2.0	41
MIDLAND	3822NR2	43.9	--	--	--	--	69	--	--	10/1	1.0	37
MIDLAND	3842NRR	**65.2**	--	--	--	--	102	--	--	10/1	1.3	36
MIDLAND	3850NR2	**70.7**	41.8	**71.2**	56.3	61.2	110	113	106	10/3	1.0	39
MIDLAND	3952NR2	61.3	--	--	--	--	96	--	--	10/1	1.7	39
MIDLAND	4162NR2	**69.9**	--	--	--	--	109	--	--	10/5	1.0	40
MIDLAND	4270NR2	**69.0**	38.4	66.3	53.7	57.9	108	104	99	10/4	1.0	37
MIDLAND	4329NRR	59.9	43.8	65.2	51.9	56.3	94	118	97	10/4	1.0	40
MIDLAND	4580RS2	57.4	--	65.0	--	--	90	--	97	10/5	1.7	38
NUTECH	7388	**69.7**	39.0	--	54.4	--	109	105	--	9/30	1.3	34
NUTECH	7425S	**65.5**	39.2	--	52.4	--	102	106	--	10/4	1.0	36
OHLDE	O-3721	64.5	42.7	--	--	--	101	--	--	10/2	1.3	39
OHLDE	O-391	**76.2**	39.4	--	57.8	--	119	106	--	10/3	1.0	35
OHLDE	X412	**74.7**	--	--	--	--	117	--	--	10/5	1.0	41
PHILLIPS	320 NR2Y	60.4	--	--	--	--	94	--	--	10/1	1.0	36
PHILLIPS	385NRS	60.8	36.7	**71.0**	48.8	56.2	95	99	106	9/30	1.3	35
PHILLIPS	386 NR2Y	**65.6**	--	--	--	--	103	--	--	10/1	1.0	36
PHILLIPS	387NR2Y	57.7	--	--	--	--	90	--	--	10/2	1.7	39
PHILLIPS	416 NR2Y	59.5	--	--	--	--	93	--	--	10/5	1.7	42
PHILLIPS	439 NRS	57.5	--	--	--	--	90	--	--	10/5	1.0	41
PROGENY	3911 RY	**71.9**	--	--	--	--	112	--	--	10/7	1.0	42
PROGENY	4211 RY	**70.6**	--	--	--	--	110	--	--	10/3	1.3	37
PROGENY	4510	**69.2**	--	--	--	--	108	--	--	10/6	1.0	38
PROGENY	4611 RY	**72.8**	--	--	--	--	114	--	--	10/6	1.3	39
PROGENY	4710 RY	65.0	--	--	--	--	102	--	--	10/6	1.7	38
PROGENY	4811 RY	**66.8**	--	--	--	--	104	--	--	10/6	1.7	46
PROGENY	4908RR	58.9	--	--	--	--	92	--	--	10/11	2.0	44
PROGENY	4911RY	**70.1**	--	--	--	--	110	--	--	10/13	2.7	48
PROGENY	5111RY	**70.6**	--	--	--	--	110	--	--	10/13	3.7	42
TAYLOR	EXP 39D10	**66.8**	--	--	--	--	104	--	--	10/1	1.0	38
TAYLOR	EXP 39T30	60.9	--	--	--	--	95	--	--	10/2	1.3	37
TAYLOR	EXP 44T40	63.5	--	--	--	--	99	--	--	10/3	1.0	35
WILLCROSS	WX RR2397	48.0	38.4	--	--	--	75	--	--	10/7	2.0	40
WILLCROSS	WX RR2398	61.3	--	--	--	--	96	--	--	10/1	1.0	36
WILLCROSS	WX RR2477	57.3	--	--	--	--	90	--	--	10/9	1.0	38
WILLCROSS	WX RR2878	55.6	44.9	--	50.3	--	87	121	--	10/5	1.7	48
WILLCROSS	WX RY2481	**67.3**	**49.6**	--	58.5	--	105	134	--	10/7	1.0	36

Table 3 continued. Topeka, Shawnee County Dryland Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
WILLCROSS	WX RY2482	**67.9**	--	--	--	--	106	--	--	10/8	1.7	45
	AVERAGES	64.0	37.1	66.9								
	CV (%)	12.7	8.7	7.6								
	LSD (0.10)	11.0	4.4	6.8								

Values in bold are in the upper LSD group.

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

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

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

Good moisture at planting, but dry conditions throughout the growing season.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.2	4.6	2.3	0.9	2.4	2.8	15.1
Irrigation:				11.5	8.8		20.25

Planted 6/11/2011 at 8 seeds/ft; harvested 10/18/2011; 27.5 ft. by 2-row plot; pesticides: 1 qt. Prefix, preemergence; 22 oz. Roundup WeatherMax + 5 oz. Shadow

Table 4. Topeka, Shawnee County Irrigated Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
G2 GENETICS	7362	**66.6**	--	--	--	--	116	--	--	10/7	3.0	49
G2 GENETICS	7372	55.8	--	--	--	--	97	--	--	10/9	2.7	55
G2 GENETICS	7375	56.1	--	--	--	--	98	--	--	10/8	4.3	50
G2 GENETICS	7382	57.1	--	--	--	--	100	--	--	10/6	4.3	50
G2 GENETICS	7390	61.5	**54.7**	--	58.1	--	107	110	--	10/11	3.0	47
G2 GENETICS	7402	50.9	--	--	--	--	89	--	--	10/8	3.0	47
G2 GENETICS	7420	52.7	48.4	--	50.6	--	92	97	--	10/11	3.3	52
G2 GENETICS	7439S	49.7	49.9	**80.6**	49.8	60.1	87	100	115	10/7	2.7	47
G2 GENETICS	7442	53.6	--	--	--	--	94	--	--	10/12	3.7	48
G2 GENETICS	7460	**64.3**	**57.4**	--	60.9	--	112	115	--	10/14	3.7	54
MIDLAND	3612NR2	59.1	--	--	--	--	103	--	--	10/5	3.0	44
MIDLAND	3732NR2	51.8	--	--	--	--	90	--	--	10/7	3.3	43
MIDLAND	3822NR2	54.6	--	--	--	--	95	--	--	10/6	3.0	50
MIDLAND	3842NRR	60.0	--	--	--	--	105	--	--	10/7	3.0	43
MIDLAND	3850NR2	62.3	**50.6**	**73.3**	56.5	62.1	109	102	104	10/7	3.3	45
MIDLAND	3952NR2	53.7	--	--	--	--	94	--	--	10/8	3.0	51
MIDLAND	4162NR2	57.7	--	--	--	--	101	--	--	10/10	3.0	50
MIDLAND	4329NRR	60.6	**55.3**	--	58.0	--	106	111	--	10/11	4.0	51
NUTECH	7388	54.2	**57.0**	--	55.6	--	95	115	--	10/9	3.0	45
NUTECH	7425S	51.5	--	--	--	--	90	--	--	10/9	2.3	46
OHLDE	O-3921	**69.0**	**53.9**	--	61.5	--	120	108	--	10/8	3.0	45
OHLDE	O-422	**65.6**	--	--	--	--	114	--	--	10/9	3.0	49
OHLDE	O-451	57.7	48.2	--	53.0	--	101	97	--	10/9	3.3	46
PHILLIPS	385NRS	47.1	41.2	**72.7**	44.2	53.7	82	83	104	10/6	3.3	45
PHILLIPS	386 NR2Y	**72.6**	--	--	--	--	127	--	--	10/8	3.0	46
PHILLIPS	416 NR2Y	60.0	--	--	--	--	105	--	--	10/12	3.3	54
PHILLIPS	439 NRS	49.8	--	--	--	--	87	--	--	10/9	3.3	46
PIONEER	93Y70	**68.2**	--	--	--	--	119	--	--	10/6	3.0	52
PIONEER	93Y92	62.9	--	--	--	--	110	--	--	10/8	4.0	54
PIONEER	93Y93	53.1	--	--	--	--	93	--	--	10/11	2.7	48
PIONEER	94Y40	60.1	--	--	--	--	105	--	--	10/10	4.0	49
PROGENY	3911 RY	53.9	--	--	--	--	94	--	--	10/12	3.7	51
PROGENY	4211 RY	51.6	--	--	--	--	90	--	--	10/10	2.0	49
PROGENY	4510	58.1	--	--	--	--	101	--	--	10/11	2.7	47
PROGENY	4611 RY	54.7	--	--	--	--	95	--	--	10/12	3.0	45
PROGENY	4710 RY	54.9	--	--	--	--	96	--	--	10/13	3.7	47
PROGENY	4811 RY	54.9	--	--	--	--	96	--	--	10/11	4.0	50
PROGENY	4908RR	59.0	--	--	--	--	103	--	--	10/18	3.7	47
PROGENY	4911RY	50.3	--	--	--	--	88	--	--	10/16	4.0	60
PROGENY	5111RY	**67.7**	--	--	--	--	118	--	--	10/17	3.7	43

Table 4 continued. Topeka, Shawnee County Irrigated Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
TAYLOR	397RR	55.9	--	--	--	--	98	--	--	10/7	3.0	42
TAYLOR	EXP 39D10	60.6	--	--	--	--	106	--	--	10/7	3.0	48
TAYLOR	EXP 39T30	44.7	--	--	--	--	78	--	--	10/6	3.0	50
TAYLOR	EXP 42T20	55.3	--	--	--	--	97	--	--	10/10	3.3	48
WILLCROSS	WX RR2398	50.5	--	71.7	--	--	88	--	102	10/8	2.7	49
WILLCROSS	WX RR2409	61.8	--	--	--	--	108	--	--	10/9	2.7	49
WILLCROSS	WX RR2440	**63.2**	--	--	--	--	110	--	--	10/9	3.7	45
WILLCROSS	WX RR2477	54.2	--	68.3	--	--	95	--	97	10/13	2.0	42
WILLCROSS	WX RR2878	56.0	**54.8**	**73.8**	55.4	61.5	98	110	105	10/12	2.7	52
WILLCROSS	WX RY2432	54.4	--	--	--	--	95	--	--	10/11	3.7	51
WILLCROSS	WX RY2460	61.3	**52.2**	--	56.8	--	107	105	--	10/10	2.0	43
WILLCROSS	WX RY2481	52.2	**55.9**	--	54.1	--	91	112	--	10/13	2.3	46
WILLCROSS	WX RY2482	60.0	--	--	--	--	105	--	--	10/16	4.0	50
	AVERAGES	57.3	49.7	70.2								
	CV (%)	12.4	14.0	12.4								
	LSD (0.10)	9.6	9.5	11.8								

Values in bold are in the upper LSD group.

East Central Kansas Experiment Field, Ottawa, Franklin County; Bill Schapaugh, agronomist; James Kimball, tech.

Woodson silt loam, pH 6.2, 2.0% OM; P test: L, K test: L

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.2	4.6	2.3	0.9	2.4	2.8	15.1

Extended dry spell from July 1 through August 10th; only 8" of rainfall from planting through maturity. Rains in August and September salvaged what could have been a complete loss.

Planted 6/7/2011 at 8 seeds/ft; harvested 10/19/2011; 25 ft. by 2-row plot; pesticides: na

Table 5. Ottawa, Franklin County Dryland Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4533N R2Y	23.3	--	--	--	--	100	--	--	10/5	1.0	24
ADVANCED GENETICS	AG4733S R2Y	25.1	**60.6**	--	42.9	--	107	113	--	10/9	1.5	23
ADVANCED GENETICS	AG4833N R2Y	22.0	--	--	--	--	94	--	--	10/9	1.3	24
ADVANCED GENETICS	AG5133N R2Y	**28.5**	--	--	--	--	122	--	--	10/11	1.8	32
G2 GENETICS	7382	23.9	--	--	--	--	102	--	--	9/28	1.3	30
G2 GENETICS	7390	23.4	52.0	--	37.7	--	100	97	--	9/29	1.0	24
G2 GENETICS	7402	24.3	--	--	--	--	104	--	--	10/1	1.0	25
G2 GENETICS	7420	23.9	55.0	--	39.5	--	102	103	--	10/3	1.5	32
G2 GENETICS	7442	23.5	--	--	--	--	100	--	--	10/5	1.0	28
G2 GENETICS	7460	22.9	53.3	--	38.1	--	98	99	--	10/8	1.0	29
KANSAS AES	K08-2509 RR	22.2	--	--	--	--	95	--	--	10/2	1.5	31
KANSAS AES	K08-2528 RR	21.9	--	--	--	--	94	--	--	9/29	1.3	26
MIDLAND	3732NR2	21.0	--	--	--	--	90	--	--	9/25	1.0	25
MIDLAND	3740NR2	21.5	46.5	--	34.0	--	92	87	--	9/23	1.0	25
MIDLAND	3822NR2	24.9	--	--	--	--	106	--	--	9/28	1.0	26
MIDLAND	3842NRR	24.6	--	--	--	--	105	--	--	9/27	1.5	26
MIDLAND	3952NR2	19.1	--	--	--	--	82	--	--	9/27	1.0	27
MIDLAND	4162NR2	20.5	--	--	--	--	88	--	--	10/3	1.0	29
MIDLAND	4270NR2	23.3	52.8	55.5	38.1	43.9	100	99	105	10/3	1.0	24
MIDLAND	4329NRR	21.3	57.3	58.2	39.3	45.6	91	107	110	10/3	1.3	26
MIDLAND	4506NRR	23.4	53.3	58.2	38.4	45.0	100	99	110	10/5	1.0	29
MIDLAND	4580RS2	21.1	**61.0**	54.5	41.1	45.5	90	114	103	10/8	1.8	29
MIDLAND	4768NRR	**28.1**	60.4	52.9	44.3	47.1	120	113	100	10/9	1.0	30
MIDLAND	4792RS2	22.7	--	--	--	--	97	--	--	10/9	1.3	24
MORSOY	R2 46X71N	24.4	--	--	--	--	104	--	--	10/9	1.5	25
MORSOY	R2 47X31N	20.8	--	--	--	--	89	--	--	10/9	1.0	24
MORSOY	R2 51X10N	24.5	58.5	--	41.5	--	105	109	--	10/9	1.5	25
MORSOY	R2 51X31N	24.3	--	--	--	--	104	--	--	10/10	2.0	33
MORSOY	R2S 48X10	23.8	59.3	--	41.6	--	102	111	--	10/9	1.8	28
NUTECH	7425S	20.4	57.6	--	39.0	--	87	107	--	10/5	1.0	24

Table 5 continued. Ottawa, Franklin County Dryland Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
OHLDE	O-451	25.1	--	--	--	--	107	--	--	10/8	1.3	25
OHLDE	O-4595	21.8	55.1	55.1	38.5	44.0	93	103	105	10/6	1.5	30
OHLDE	O-4880	22.0	--	--	--	--	94	--	--	10/8	1.3	24
PROGENY	3911 RY	22.4	--	--	--	--	96	--	--	10/8	1.0	30
PROGENY	4211 RY	25.0	--	--	--	--	107	--	--	10/3	1.0	21
PROGENY	4510	22.4	--	--	--	--	96	--	--	10/8	1.5	23
PROGENY	4611 RY	23.6	--	--	--	--	101	--	--	10/8	1.3	28
PROGENY	4710 RY	25.6	--	--	--	--	109	--	--	10/9	1.0	26
PROGENY	4811 RY	24.0	--	--	--	--	103	--	--	10/8	1.0	36
PROGENY	4908RR	**29.9**	--	--	--	--	128	--	--	10/9	2.0	30
PROGENY	4911RY	23.3	--	--	--	--	100	--	--	10/9	1.0	36
PROGENY	5111RY	**26.4**	--	--	--	--	113	--	--	10/10	2.0	30
TAYLOR	461-2R	23.7	**62.5**	**61.2**	43.1	49.1	101	117	116	10/8	1.0	22
TAYLOR	487RRS	25.0	**61.3**	58.4	43.2	48.2	107	114	111	10/9	1.3	29
TAYLOR	EXP 48T00	22.2	--	--	--	--	95	--	--	10/9	1.3	24
WILLCROSS	WX RR2397	22.4	47.2	49.2	--	--	96	--	--	10/1	1.0	33
WILLCROSS	WX RR2409	20.8	--	--	--	--	89	--	--	9/28	1.0	24
WILLCROSS	WX RR2440	21.3	--	--	--	--	91	--	--	10/4	1.0	26
WILLCROSS	WX RR2477	24.9	--	51.7	--	--	106	--	98	10/9	1.0	27
WILLCROSS	WX RR2878	21.3	54.3	53.3	37.8	43.0	91	101	101	10/7	1.0	33
WILLCROSS	WX RY2432	23.4	--	--	--	--	100	--	--	10/4	1.0	28
WILLCROSS	WX RY2460	24.8	60.2	--	42.5	--	106	112	--	10/8	1.8	28
WILLCROSS	WX RY2481	24.5	**61.0**	--	42.8	--	105	114	--	10/9	1.0	23
WILLCROSS	WX RY2482	**27.6**	--	--	--	--	118	--	--	10/8	1.0	34
	AVERAGES	23.4	53.6	52.7								
	CV (%)	14.6	6.6	7.5								
	LSD (0.10)	4.0	3.9	4.5								

Values in bold are in the upper LSD group.

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

Parsons silt loam, pH 6.3, 2.3% OM; P test: M, K test: M

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.4	3.9	2.1	1.2	4.2	2.8	16.6

Very hot and dry over the growing season. Much of the rain came in small increments that didn't do much for the crop. Insect pressures were fairly heavy over most of the region. Very little disease pressure.

Planted 6/7/2011 at 7 seeds/ft; harvested 10/26/2011; 17 ft. by 2-row plot; pesticides: 3 oz. Canopy XL+ 1 pt. Dual II magnum; 22 oz. Roundup Powermax+ .3 oz. First Rate

Table 6. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups III-IV, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
MIDLAND	3850NR2	12.9	--	--	--	--	76	--	--	9/15	1.0	25
MIDLAND	4329NRR	15.2	34.1	59.1	24.7	36.1	89	99	100	9/18	1.0	29
MIDLAND	4506NRR	**19.1**	31.8	**63.2**	25.5	38.0	112	92	107	9/21	1.0	32
MIDLAND	4580RS2	**18.9**	**40.0**	**61.7**	29.5	40.2	111	116	105	9/26	1.0	26
PROGENY	3911 RY	**16.9**	--	--	--	--	99	--	--	9/24	1.0	28
PROGENY	4211 RY	**17.6**	--	--	--	--	104	--	--	9/23	1.0	25
PROGENY	4510	16.0	--	--	--	--	94	--	--	9/26	1.0	26
PROGENY	4611 RY	**19.7**	--	--	--	--	116	--	--	9/26	1.0	30
	AVERAGES	**17.0**	34.4	59.0								
	CV (%)	**16.6**	9.2	4.0								
	LSD (0.10)	3.4	3.7	2.8								

Values in bold are in the upper LSD group.

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

Parsons silt loam, pH 6.3, 2.3% OM; P test: M, K test: M

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.4	3.9	2.1	1.2	4.2	2.8	16.6

Very hot and dry over the growing season. Much of the rain came in small increments that didn't do much for the crop. Insect pressures were fairly heavy over most of the region. Very little disease pressure.

Planted 6/7/2011 at 7 seeds/ft; harvested 10/27/2011; 17 ft. by 2-row plot; pesticides: 3 oz. Canopy XL+ 1 pt. Dual II magnum; 22 oz. Roundup Powermax+ .3 oz. First Rate

Table 7. Parsons, Labette County Dryland Soybean Performance Test, Maturity Groups IV-V, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG5133N R2Y	10.5	--	--	--	--	85	--	--	10/12	1.0	31
ASGROW	AG4903	12.6	--	--	--	--	102	--	--	10/6	1.0	27
ASGROW	AG5503	14.7	--	--	--	--	119	--	--	10/15	1.0	26
ASGROW	AG5605	**17.5**	37.8	--	27.7	--	141	112	--	10/13	1.0	28
KANSAS AES	K04-3083RR	10.0	35.9	--	23.0	--	81	107	--	10/1	1.0	29
KANSAS AES	KS5507NRR	**16.6**	33.8	48.0	25.2	32.8	134	100	83	10/18	1.0	28
MIDLAND	4768NRR	7.5	--	--	--	--	60	--	--	9/21	1.0	28
MIDLAND	4792RS2	12.6	--	--	--	--	102	--	--	9/26	1.0	26
MIDLAND	5182NR2	12.2	--	--	--	--	98	--	--	10/17	1.0	34
MORSOY	R2 47X31N	12.5	--	--	--	--	101	--	--	9/29	1.0	30
MORSOY	R2 51X10N	15.0	38.6	--	26.8	--	121	115	--	10/7	1.0	27
MORSOY	R2 51X31N	14.5	--	--	--	--	117	--	--	10/11	1.0	29
MORSOY	R2S 48X10	11.4	34.8	--	23.1	--	92	103	--	9/26	1.0	24
NK	S46-A1 RR2 Brand	8.9	--	--	--	--	72	--	--	9/23	1.0	27
NK	S52-F2 Brand	**17.6**	38.3	--	28.0	--	142	114	--	10/16	1.0	28
NK	S54-V4 Brand	13.0	--	--	--	--	105	--	--	10/13	1.0	36
PROGENY	4710 RY	12.4	--	--	--	--	100	--	--	9/26	1.0	25
PROGENY	4811 RY	11.8	--	--	--	--	95	--	--	9/27	1.0	30
PROGENY	4908RR	14.7	**41.1**	--	27.9	--	119	122	--	10/6	1.0	27
PROGENY	4911RY	9.3	--	--	--	--	75	--	--	10/3	1.0	30
PROGENY	5111RY	13.4	--	--	--	--	108	--	--	10/8	1.0	30
TAYLOR	EXP 48T00	11.1	--	--	--	--	90	--	--	9/26	1.0	25
WILLCROSS	WX RR2477	10.9	--	--	--	--	88	--	--	10/2	1.0	25
WILLCROSS	WX RR2498	9.1	28.2	--	18.7	--	73	84	--	9/22	1.0	27
WILLCROSS	WX RR2507	8.5	33.3	--	20.9	--	69	99	--	9/24	1.0	28

Table 7 continued. Parsons, Labette County Dryland Soybean Performance Test, Maturity Group IV-V, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
WILLCROSS	WX RR2544	14.5	36.3	--	25.4	--	117	108	--	10/11	1.0	29
WILLCROSS	WX RR2878	12.3	--	--	--	--	99	--	--	9/29	1.0	32
WILLCROSS	WX RY2481	11.1	--	--	--	--	90	--	--	10/3	1.0	25
WILLCROSS	WX RY2482	9.0	--	--	--	--	73	--	--	9/21	1.0	31
	AVERAGES	12.4	33.7	57.9								
	CV (%)	14.8	9.6	4.1								
	LSD (0.10)	2.2	4.0	2.7								

Values in bold are in the upper LSD group.

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

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

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

Dry conditions at planting and throughout the growing season. Pesticides were used on heavy insect pressure in late August.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	5.8	4.6	4.5	1.7	2.8	2.7	22.1

Planted 6/15/2011 at 7 seeds/ft; harvested 11/2/2011; 15 ft. by 2-row plot; pesticides: 32 oz. Roundup PowerMax, 1/2 oz. Cadet, 1/2 quart Astound postemergence

Table 8. Pittsburg, Cherokee County No-Till Double-Cropped Soybean Performance Test, Maturity Groups IV-V, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ASGROW	AG4903	13.4	--	--	--	--	93	--	--	--	1.5	34
ASGROW	AG5503	11.0	--	--	--	--	76	--	--	--	1.3	33
ASGROW	AG5605	14.2	--	--	--	--	99	--	--	--	1.3	34
KANSAS AES	K04-3083RR	**18.8**	**51.6**	**41.6**	35.2	37.3	131	112	123	--	1.5	39
KANSAS AES	KS5507NRR	**17.8**	48.5	29.6	33.2	32.0	124	105	87	--	1.0	35
MIDLAND	4580RS2	14.8	--	--	--	--	103	--	--	--	1.0	35
MIDLAND	4768NRR	**20.2**	--	--	--	--	140	--	--	--	1.3	38
MIDLAND	4792RS2	15.7	--	--	--	--	109	--	--	--	1.0	33
MIDLAND	5182NR2	13.5	--	--	--	--	94	--	--	--	1.8	39
NK	S52-F2 Brand	11.3	--	--	--	--	78	--	--	--	1.3	34
WILLCROSS	WX RR2477	12.7	--	--	--	--	88	--	--	--	1.5	32
WILLCROSS	WX RR2498	12.7	46.1	**43.1**	29.4	34.0	88	100	127	--	2.0	37
WILLCROSS	WX RR2507	13.0	47.1	37.6	30.1	32.6	90	102	111	--	1.3	40
WILLCROSS	WX RR2544	15.6	**53.4**	33.4	34.5	34.1	108	116	99	--	1.0	36
WILLCROSS	WX RR2878	15.3	--	28.3	--	--	106	--	83	--	1.0	41
WILLCROSS	WX RY2481	11.4	--	--	--	--	79	--	--	--	1.3	33
WILLCROSS	WX RY2482	13.8	--	--	--	--	96	--	--	--	1.0	43
	AVERAGES	14.4	46.0	33.9								
	CV (%)	**18.7**	9.1	13.8								
	LSD (0.10)	3.2	5.0	5.4								

Values in bold are in the upper LSD group.

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

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

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

Dry conditions throughout the growing season. Pesticides were used on heavy insect pressure in late August.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	5.7	4.8	4.5	1.3	3.5	3.3	22.9

Planted 6/15/2011 at 7 seeds/ft; harvested 11/1/2011; 11 ft. by 2-row plot; pesticides: Authority First preemergence

Table 9. McCune, Crawford County Dryland Soybean Performance Test, Maturity Groups III-IV, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
FONTANELLE	86S40	18.3	35.8	--	--	--	69	--	--	9/25	1.0	31
MIDLAND	4329NRR	**28.5**	--	--	--	--	108	--	--	10/5	1.0	32
MIDLAND	4580RS2	**28.7**	34.6	59.5	31.7	40.9	109	101	108	10/8	1.0	28

Table 9 continued. McCune, Crawford County Dryland Soybean Performance Test, Maturity Groups III-IV, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
MORSOY	R2 46X71N	25.3	--	--	--	--	96	--	--	10/8	1.0	31
PROGENY	3911 RY	**28.5**	--	--	--	--	108	--	--	10/8	1.0	29
PROGENY	4211 RY	27.5	--	--	--	--	104	--	--	10/4	1.0	29
PROGENY	4510	**29.0**	--	--	--	--	110	--	--	10/7	1.0	29
PROGENY	4611 RY	25.7	--	--	--	--	97	--	--	10/8	1.0	31
	AVERAGES	26.4	34.1	55.2								
	CV (%)	4.2	6.4	2.7								
	LSD (0.10)	1.4	2.6	1.8								

Values in bold are in the upper LSD group.

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

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

Dry conditions throughout the growing season. Pesticides were used on heavy insect pressure in late August.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	5.7	4.8	4.5	1.3	3.5	3.3	22.9

Planted 6/15/2011 at 7 seeds/ft; harvested 11/1/2011; 11 ft. by 2-row plot; pesticides: Authority First preemergence

Table 10. McCune, Crawford County Dryland Soybean Performance Test, Maturity Groups IV-V, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ASGROW	AG4903	28.6	--	--	--	--	99	--	--	10/11	1.0	30
ASGROW	AG5503	27.1	--	--	--	--	93	--	--	10/14	1.0	30
ASGROW	AG5605	28.2	--	--	--	--	97	--	--	10/16	1.0	25
FONTANELLE	88S72	**32.4**	--	--	--	--	112	--	--	10/8	1.0	31
FONTANELLE	912 EXP	29.9	--	--	--	--	103	--	--	10/9	1.0	28
KANSAS AES	K04-3083RR	**34.2**	36.9	--	35.6	--	118	101	--	10/11	1.0	32
KANSAS AES	KS5507NRR	30.5	37.6	35.6	34.1	34.6	105	102	76	10/17	1.0	24
MIDLAND	4768NRR	28.8	--	--	--	--	99	--	--	10/13	1.0	33
MIDLAND	4792RS2	18.4	--	--	--	--	63	--	--	9/27	1.0	30
MIDLAND	5182NR2	30.3	--	--	--	--	104	--	--	10/15	1.0	31
MORSOY	R2 47X31N	28.4	--	--	--	--	98	--	--	10/10	1.0	33
MORSOY	R2 51X10N	24.5	32.9	--	28.7	--	84	90	--	10/12	1.0	22
MORSOY	R2 51X31N	**32.0**	--	--	--	--	110	--	--	10/10	1.0	28
MORSOY	R2S 48X10	**32.9**	**38.7**	--	35.8	--	113	105	--	10/8	1.0	30
NK	S52-F2	29.0	--	--	--	--	100	--	--	10/19	1.0	26
PROGENY	4710 RY	29.2	--	--	--	--	101	--	--	10/9	1.0	29
PROGENY	4811 RY	27.8	--	--	--	--	96	--	--	10/11	1.0	33
PROGENY	4908RR	**33.3**	37.7	--	35.5	--	115	103	--	10/10	1.0	32
PROGENY	4911RY	**31.6**	--	--	--	--	109	--	--	10/9	1.0	33
PROGENY	5111RY	**31.9**	--	--	--	--	110	--	--	10/10	1.0	27
TAYLOR	EXP 48T00	**31.6**	--	--	--	--	109	--	--	10/8	1.0	29
WILLCROSS	WX RR2477	29.9	--	--	--	--	103	--	--	10/10	1.0	28
WILLCROSS	WX RR2498	27.5	33.5	--	30.5	--	95	91	--	10/10	1.0	32
WILLCROSS	WX RR2507	24.3	34.2	--	29.3	--	84	93	--	10/10	1.0	32
WILLCROSS	WX RR2544	29.4	**41.1**	--	35.3	--	101	112	--	10/12	1.0	27
WILLCROSS	WX RR2878	27.9	--	--	--	--	96	--	--	10/2	1.0	38
WILLCROSS	WX RY2481	27.2	--	--	--	--	94	--	--	10/10	1.0	28
WILLCROSS	WX RY2482	24.5	--	--	--	--	84	--	--	10/14	1.0	34
	AVERAGES	29.0	36.7	46.7								
	CV (%)	7.6	6.0	5.8								
	LSD (0.10)	2.6	2.6	3.1								

Values in bold are in the upper LSD group.

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

Lanton silt loam, pH 6.0, 2.2% OM; P test: H, K test: H

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.2	4.4	4.0	0.2	2.6	2.4	16.8

Very hot and dry over the growing season. Excellent stands and good early season moisture helped crop off to a strong start. Deeper soil close to the river helped make for a successful growing season in the riverbottom. No significant disease or insect pressure.

Planted 6/6/2011 at 9 seeds/ft; harvested 11/1/2011; 11 ft. by 2-row plot; pesticides: 1 pt. Dual II Magnum+ 3 oz. Canopy; 1 qt. Gly4+.3 oz. First Rate; 1 qt. Gly4+ 2 oz. Butyrac; 1qt. Gly4+.25 oz Classic

Table 11. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups III-IV, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
FONTANELLE	86S40	35.4	**64.2**	--	--	--	96	--	--	10/4	1.0	35
MIDLAND	4270NR2	33.4	--	58.1	--	--	91	--	103	9/29	1.0	37
MIDLAND	4506NRR	29.8	--	--	--	--	81	--	--	9/29	1.3	46
MIDLAND	4580RS2	39.7	**61.5**	**64.2**	50.6	55.1	108	103	114	10/2	1.0	35
PROGENY	3911 RY	**41.8**	--	--	--	--	114	--	--	10/4	1.0	38
PROGENY	4211 RY	35.2	--	--	--	--	96	--	--	9/29	1.0	36
PROGENY	4510	38.0	--	--	--	--	104	--	--	10/2	1.0	36
PROGENY	4611 RY	35.5	--	--	--	--	97	--	--	10/2	1.0	38
TAYLOR	461-2R	38.5	**62.1**	**61.1**	50.3	53.9	105	104	108	10/4	1.0	37
TAYLOR	EXP 44T40	**40.2**	--	--	--	--	110	--	--	9/29	1.0	35
	AVERAGES	36.7	60.0	56.5								
	CV (%)	4.6	6.9	8.3								
	LSD (0.10)	2.0	4.9	5.0								

Values in bold are in the upper LSD group.

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

Lanton silt loam, pH 6.0, 2.2% OM; P test: H, K test: H

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.2	4.4	4.0	0.2	2.6	2.4	16.8

Very hot and dry over the growing season. Excellent stands and good early season moisture helped crop off to a strong start. Deeper soil close to the river helped make for a successful growing season in the riverbottom. No significant disease or insect pressure.

Planted 6/6/2011 at 8 seeds/ft; harvested 11/1/2011; 11 ft. by 2-row plot; pesticides: 1 pt. Dual II Magnum+ 3 oz. Canopy; 1 qt. Gly4+.3 oz. First Rate; 1 qt. Gly4+ 2 oz. Butyrac; 1qt. Gly4+.25 oz. Classic

Table 12. Erie, Neosho County Dryland Soybean Performance Test, Maturity Groups IV-V, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
FONTANELLE	88S72	40.6	--	--	--	--	96	--	--	10/6	1.0	37
FONTANELLE	912 EXP	**45.9**	--	--	--	--	108	--	--	10/6	1.0	37
KANSAS AES	K04-3083RR	**43.1**	54.8	--	49.0	--	101	98	--	10/9	1.5	47
KANSAS AES	KS5507NRR	**42.8**	49.2	43.5	46.0	45.2	101	88	88	10/14	1.0	34
MIDLAND	4768NRR	41.6	--	--	--	--	98	--	--	10/8	1.0	44
MIDLAND	4792RS2	**44.0**	--	--	--	--	104	--	--	10/6	1.0	38
PROGENY	4710 RY	**44.2**	--	--	--	--	104	--	--	10/7	1.0	39
PROGENY	4811 RY	**42.2**	--	--	--	--	99	--	--	10/7	1.3	48
PROGENY	4908RR	**43.1**	55.3	--	49.2	--	101	99	--	10/10	1.0	40
PROGENY	4911RY	37.7	--	--	--	--	89	--	--	10/9	1.3	45
PROGENY	5111RY	**42.3**	--	--	--	--	100	--	--	10/6	1.0	36
TAYLOR	EXP 48T00	**42.4**	--	--	--	--	100	--	--	10/6	1.0	38
	AVERAGES	**42.5**	55.9	49.3								
	CV (%)	7.5	9.3	7.3								
	LSD (0.10)	3.8	6.3	4.2								

Values in bold are in the upper LSD group.

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

Crete silt loam, pH 7.1, 3.0% OM; P test: L, K test: H

Excellent conditions throughout spring; timely rains during the summer.

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.6	3.4	3.1	5.2	4.4	1.0	18.7
Irrigation:				3.2	1.6	0.0	4.8

Planted 6/7/2011 at 9 seeds/ft; harvested 10/13/2011; 26 ft. by 2-row plot; pesticides: 1.5 pt. Glyphosate postemergence

Table 13. Scandia, Republic County Irrigated Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ASGROW	AG3231	64.5	--	--	--	--	105	--	--	10/1	1.0	39
ASGROW	AG3431	65.3	--	--	--	--	107	--	--	9/30	1.3	41
ASGROW	AG3432	**72.7**	--	--	--	--	119	--	--	10/1	1.0	44
ASGROW	AG3730	62.4	**61.6**	--	62.0	--	102	109	--	10/1	1.7	41
ASGROW	AG3731	63.1	55.4	--	59.3	--	103	98	--	10/1	1.7	41
ASGROW	AG3932	65.6	--	--	--	--	107	--	--	10/4	1.0	41
FONTANELLE	76N12	60.3	--	--	--	--	99	--	--	10/2	1.7	42
FONTANELLE	79N62	56.1	--	--	--	--	92	--	--	10/3	2.3	45
G2 GENETICS	7342	63.7	--	--	--	--	104	--	--	10/3	1.3	37
G2 GENETICS	7372	62.0	--	--	--	--	101	--	--	10/4	2.3	47
G2 GENETICS	7373	64.8	**64.2**	76.6	64.5	68.5	106	114	98	10/2	2.3	44
G2 GENETICS	7375	58.1	--	--	--	--	95	--	--	10/2	2.7	47
G2 GENETICS	7382	56.8	--	--	--	--	93	--	--	10/1	2.7	46
G2 GENETICS	7390	63.2	**60.2**	--	61.7	--	103	107	--	10/3	2.7	40
G2 GENETICS	7420	58.4	52.1	--	55.3	--	95	92	--	10/4	3.0	47
KANSAS AES	K08-2509 RR	63.7	--	--	--	--	104	--	--	10/4	2.7	46
KANSAS AES	K08-2528 RR	63.4	--	--	--	--	104	--	--	10/3	2.3	47
MIDLAND	3411NR2	64.5	--	--	--	--	105	--	--	9/30	1.3	39
MIDLAND	3610NRR	53.5	52.6	81.3	53.1	62.5	87	93	104	9/30	3.0	41
MIDLAND	3612NR2	63.3	--	--	--	--	103	--	--	10/1	1.0	39
MIDLAND	3732NR2	**69.9**	--	--	--	--	114	--	--	10/2	1.3	44
MIDLAND	3740NR2	54.7	--	73.0	--	--	89	--	93	10/1	2.3	46
MIDLAND	3822NR2	62.9	--	--	--	--	103	--	--	10/3	1.0	43
MIDLAND	3842NRR	62.3	--	--	--	--	102	--	--	10/3	2.3	40
MIDLAND	3850NR2	54.5	57.4	79.0	--	68.2	89	--	--	10/2	2.3	43
MIDLAND	3920NRS	58.2	**61.2**	80.1	59.7	66.5	95	108	102	10/3	2.0	38
MIDLAND	3952NR2	62.1	--	--	--	--	101	--	--	10/1	2.3	43
NK	S36-B6 Brand	**72.3**	**61.2**	86.5	--	73.3	118	--	--	9/30	1.7	42
NK	S38-H8 Brand	57.6	55.9	--	--	--	94	--	--	10/1	1.7	39
NK	S39-A3 Brand	61.2	**65.3**	88.2	--	71.6	100	--	--	10/1	2.0	42
NK	S39-U2 Brand	**67.8**	--	--	--	--	111	--	--	10/2	3.0	42
Nk	S44-K7 Brand	52.5	--	--	--	--	86	--	--	10/3	1.7	42
NUTECH	7359	56.4	--	77.1	--	--	92	--	98	9/30	2.0	41
OHLDE	Exp 362R	**68.2**	--	78.1	--	--	111	--	99	9/30	1.7	42
OHLDE	EXP371	55.3	--	--	--	--	90	--	--	10/3	2.0	46
OHLDE	EXP382	60.7	--	--	--	--	99	--	--	10/2	1.0	43
OHLDE	O-332	62.8	**59.3**	80.1	61.1	67.4	103	105	102	9/30	1.3	41
OHLDE	O-3921	**67.4**	**61.6**	--	64.5	--	110	109	--	10/2	2.3	42
PHILLIPS	385NRS	55.9	52.6	77.1	54.3	61.9	91	93	98	10/2	2.3	41
PHILLIPS	386 NR2Y	55.3	--	--	--	--	90	--	--	10/1	2.0	43
PHILLIPS	387NR2Y	62.5	--	--	--	--	102	--	--	10/2	1.7	43
PIONEER	93Y70	62.1	--	--	--	--	101	--	--	10/1	2.3	45
PIONEER	93Y92	64.4	--	--	--	--	105	--	--	10/2	2.3	45
PIONEER	93Y93	60.1	--	--	--	--	98	--	--	10/4	1.7	45
PIONEER	94Y40	56.1	--	--	--	--	92	--	--	10/4	2.0	42
TAYLOR	EXP 39D10	54.9	--	--	--	--	90	--	--	10/1	2.0	41
TAYLOR	EXP 39T30	62.3	--	--	--	--	102	--	--	10/3	1.0	42
WILLCROSS	2350NS	54.3	--	--	--	--	89	--	--	9/30	2.7	39
WILLCROSS	2381N	62.2	--	--	--	--	102	--	--	10/2	2.0	40
WILLCROSS	RY2321N	62.3	--	--	--	--	102	--	--	9/30	1.0	42
WILLCROSS	RY2342N	60.9	--	--	--	--	100	--	--	9/30	1.7	45
WILLCROSS	RY2362N	61.6	--	--	--	--	101	--	--	9/30	1.0	41

Table 13 continued. Scandia, Republic County Irrigated Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
WILLCROSS	RY2383N	57.9	--	--	--	--	95	--	--	10/2	1.0	43
WILLCROSS	RY2393N	60.6	--	--	--	--	99	--	--	10/2	2.3	43
	AVERAGES	61.2	56.5	78.5								
	CV (%)	8.0	10.6	3.7								
	LSD (0.10)	6.6	7.6	4.0								

Values in bold are in the upper LSD group.

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

Crete silt loam, pH 7.1, 3.0% OM; P test: L, K test: H

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

Excellent conditions throughout spring; hight heat at R3-R4. Timely rains during the summer.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.6	3.4	3.1	5.2	4.4	1.0	18.7

Planted 5/17/2011 at 9 seeds/ft; harvested 10/4/2011; 25 ft. by 2-row plot; pesticides: 1.5 pt. Glyphosate postemergence

Table 14. Belleville, Republic County Dryland Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ASGROW	AG3130	65.0	62.1	--	63.6	--	97	112	--	9/19	1.0	38
ASGROW	AG3231	**76.4**	--	--	--	--	114	--	--	9/22	1.0	34
ASGROW	AG3431	69.6	--	--	--	--	104	--	--	9/21	1.0	33
ASGROW	AG3432	**78.9**	--	--	--	--	118	--	--	9/23	1.0	38
ASGROW	AG3731	**73.9**	**64.1**	--	69.0	--	110	116	--	9/23	1.0	36
ASGROW	AG3931	70.6	--	--	--	--	106	--	--	9/27	1.0	37
FONTANELLE	78N71	70.5	--	--	--	--	105	--	--	9/24	1.0	37
FONTANELLE	79N62	70.7	--	--	--	--	106	--	--	9/27	1.3	38
G2 GENETICS	7332	61.6	--	--	--	--	92	--	--	9/22	1.0	32
G2 GENETICS	7342	69.7	--	--	--	--	104	--	--	9/26	1.0	31
G2 GENETICS	7372	68.7	--	--	--	--	103	--	--	9/30	1.0	39
G2 GENETICS	7375	**71.8**	--	--	--	--	107	--	--	9/27	1.3	37
G2 GENETICS	7382	63.8	--	--	--	--	95	--	--	9/26	1.3	40
G2 GENETICS	7390	69.6	59.9	--	64.8	--	104	108	--	9/24	1.3	33
G2 GENETICS	7420	58.0	**70.6**	--	64.3	--	87	127	--	9/28	1.7	40
MIDLAND	3411NR2	**73.2**	--	--	--	--	109	--	--	9/25	1.0	36
MIDLAND	3610NRR	67.3	50.6	63.6	59.0	60.5	101	91	106	9/23	1.7	38
MIDLAND	3612NR2	**74.9**	--	--	--	--	112	--	--	9/24	1.0	37
MIDLAND	3732NR2	68.0	--	--	--	--	102	--	--	9/25	1.0	32
MIDLAND	3740NR2	61.8	50.1	58.7	56.0	56.9	92	90	98	9/23	1.3	39
MIDLAND	3822NR2	68.0	--	--	--	--	102	--	--	9/26	1.0	36
MIDLAND	3842NRR	**75.3**	--	--	--	--	113	--	--	9/24	1.0	33
MIDLAND	3850NR2	64.1	49.2	56.9	56.7	56.7	96	--	--	9/27	1.3	37
MIDLAND	3920NRS	67.5	57.8	61.5	62.7	62.3	101	104	103	9/22	1.0	32
MIDLAND	3952NR2	**73.1**	--	--	--	--	109	--	--	9/25	2.0	38
MIDLAND	4162NR2	63.4	--	--	--	--	95	--	--	9/28	1.0	42
NK	S31-L7 Brand	67.1		--	--	--	100	--	--	9/22	1.0	33
NK	S34-N3 Brand	62.7	--	--	--	--	94	--	--	9/21	1.0	34
NK	S36-B6 Brand	67.1	61.0	**67.6**	64.1	64.0	100	--	--	9/27	1.0	34
NK	S38-H8 Brand	62.3	--	--	--	--	93	--	--	9/24	1.0	30
NK	S39-A3 Brand	69.8	--	--	--	--	104	--	--	9/25	1.7	38
NUTECH	7359	63.0	--	55.4	--	--	94	--	93	9/23	1.3	34
OHLDE	Exp 362R	**72.7**	--	--	--	--	109	--	--	9/23	1.0	33
OHLDE	EXP371	60.8	--	--	--	--	91	--	--	9/27	1.3	39
OHLDE	EXP382	65.5	--	--	--	--	98	--	--	9/25	1.0	36
OHLDE	O-332	67.7	56.9	**70.2**	62.3	64.9	101	103	117	9/22	1.0	36
OHLDE	O-3721	61.6	55.9	--	58.8	--	92	--	--	9/22	1.0	38
OHLDE	O-391	64.7	52.8	--	58.8	--	97	95	--	9/28	1.7	38
OHLDE	O-3921	**71.3**	57.8	--	64.6	--	107	104	--	9/27	1.3	32
OHLDE	X412	63.7	--	--	--	--	95	--	--	9/28	1.0	41
PHILLIPS	320 NR2Y	**71.4**	--	--	--	--	107	--	--	9/19	1.0	32

Table 14 continued. Belleville, Republic County Dryland Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
PHILLIPS	416 NR2Y	63.2	--	--	--	--	94	--	--	9/27	1.0	42
PHILLIPS	417 NRSE	63.7	52.6	50.8	58.2	55.7	95	95	85	9/28	1.3	36
TAYLOR	382-2R	57.2	--	--	--	--	86	--	--	9/23	1.0	34
TAYLOR	EXP 39D10	56.9	--	--	--	--	85	--	--	9/27	1.3	36
TAYLOR	EXP 39T30	66.5	--	--	--	--	99	--	--	9/26	1.0	36
WILLCROSS	2350NS	65.5	--	--	--	--	98	--	--	9/23	2.0	35
WILLCROSS	2381N	**71.6**	--	--	--	--	107	--	--	9/23	1.0	32
WILLCROSS	RY2321N	57.8	--	--	--	--	86	--	--	9/22	1.0	38
WILLCROSS	RY2342N	68.0	--	--	--	--	102	--	--	9/24	1.0	37
WILLCROSS	RY2362N	**72.9**	--	--	--	--	109	--	--	9/24	1.0	35
WILLCROSS	RY2383N	64.2	--	--	--	--	96	--	--	9/25	1.0	39
WILLCROSS	RY2393N	53.8	--	--	--	--	80	--	--	9/26	1.7	37
	AVERAGES	66.9	55.4	59.8								
	CV (%)	8.9	10.7	8.8								
	LSD (0.10)	8.0	7.5	7.2								

Values in bold are in the upper LSD group.

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

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

Dry conditions throughout the growing season.

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	0.9	4.3	2.7	1.8	2.7	1.2	13.7

Planted 6/6/2011 at 7 seeds/ft; harvested 10/21/2011; 11 ft. by 2-row plot; pesticides: 8 oz. Cobra, 8 oz. clethodim postemergence

Table 15. Assaria, Saline County Dryland Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG 4233S R2Y	17.4	--	--	--	--	112	--	--	10/15	1.0	23
ASGROW	AG3731	16.2	--	--	--	--	104	--	--	9/28	1.0	29
ASGROW	AG3832	12.4	--	--	--	--	79	--	--	9/30	1.0	25
ASGROW	AG3931	14.6	--	--	--	--	94	--	--	10/1	1.7	28
ASGROW	AG3932	19.2	--	--	--	--	123	--	--	10/3	1.0	25
ASGROW	AG4232	21.0	--	--	--	--	135	--	--	10/5	1.3	33
ASGROW	AG4531	19.5	--	--	--	--	125	--	--	10/11	1.3	28
G2 GENETICS	7372	15.3	--	--	--	--	98	--	--	10/8	1.3	30
G2 GENETICS	7375	15.1	--	--	--	--	97	--	--	10/6	1.0	29
G2 GENETICS	7382	15.3	--	--	--	--	98	--	--	10/2	1.7	28
G2 GENETICS	7390	16.4	**33.3**	--	24.9	--	105	132	--	10/8	1.3	28
G2 GENETICS	7402	16.8	--	--	--	--	108	--	--	10/2	1.0	25
G2 GENETICS	7415SE	15.1	--	--	--	--	97	--	--	10/13	1.3	28
G2 GENETICS	7420	18.6	**33.9**	--	26.3	--	119	134	--	10/6	1.3	33
G2 GENETICS	7442	19.7	--	--	--	--	126	--	--	10/4	1.0	27
G2 GENETICS	7460	21.6	**31.2**	--	26.4	--	138	123	--	10/16	1.0	28
G2 GENETICS	7472	20.7	--	--	--	--	133	--	--	10/13	1.3	38
MIDLAND	3411NR2	9.1	--	--	--	--	58	--	--	9/22	1.0	26
MIDLAND	3610NRR	14.2	--	--	--	--	91	--	--	9/27	1.0	29
MIDLAND	3612NR2	13.1	--	--	--	--	84	--	--	9/24	1.0	25
MIDLAND	3732NR2	12.8	--	--	--	--	82	--	--	9/27	2.0	27
MIDLAND	3740NR2	19.4	--	--	--	--	124	--	--	10/1	1.0	28
MIDLAND	3822NR2	13.6	--	--	--	--	87	--	--	9/29	1.0	30
MIDLAND	3842NRR	15.2	--	--	--	--	97	--	--	9/30	1.0	26
MIDLAND	3850NR2	10.7	--	--	--	--	69	--	--	9/29	1.3	28
MIDLAND	3920NRS	14.1	--	--	--	--	90	--	--	10/4	1.0	25
MIDLAND	3952NR2	13.6	--	--	--	--	87	--	--	9/25	1.3	29
MIDLAND	4162NR2	14.1	--	--	--	--	90	--	--	10/15	1.3	28
MIDLAND	4270NR2	18.9	--	--	--	--	121	--	--	10/9	1.0	29
NUTECH	7388	15.5	**30.0**	--	22.8	--	99	119	--	9/29	1.0	29

Table 15 continued. Assaria, Saline County Dryland Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
NUTECH	7425S	16.4	28.4	--	22.4	--	105	112	--	10/13	1.0	24
OHLDE	EXP432	21.9	--	--	--	--	140	--	--	10/4	1.0	29
OHLDE	O-3721	19.3	**33.6**	--	--	--	124	--	--	10/1	1.3	29
OHLDE	O-391	8.8	**30.6**	--	19.7	--	56	121	--	9/26	1.0	28
OHLDE	O-422	21.2	**30.6**	--	25.9	--	136	121	--	10/3	1.0	30
OHLDE	X412	12.8	--	--	--	--	82	--	--	10/8	1.0	26
PHILLIPS	320 NR2Y	14.5	--	--	--	--	93	--	--	9/24	1.0	29
PHILLIPS	387NR2Y	16.9	--	--	--	--	108	--	--	10/2	1.0	27
PHILLIPS	417 NRSE	15.1	**29.7**	54.4	22.4	33.1	97	117	98	10/3	1.0	25
PHILLIPS	454NR2YS	19.5	--	--	--	--	125	--	--	10/14	1.3	27
TAYLOR	EXP 39D10	8.3	--	--	--	--	53	--	--	9/28	1.0	23
TAYLOR	EXP 39T30	12.9	--	--	--	--	83	--	--	9/27	1.0	28
	AVERAGES	15.6	25.3	55.4								
	CV (%)	19.5	14.6	6.0								
	LSD (0.10)	4.1	4.3	3.9								

Values in bold are in the upper LSD group.

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

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

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	0.3	1.2	0.9	0.0	1.7	1.6	5.8

Irrigation:

Planted 5/30/2011 at 8 seeds/ft; harvested 11/2/2011; 30 ft. by 2-row plot; pesticides: na

Table 16. Hutchinson, Reno County Irrigated Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG 4233S R2Y	60.4	--	--	--	--	97	--	--	10/6	--	--
ADVANCED GENETICS	AG4533N R2Y	57.6	--	--	--	--	93	--	--	10/4	--	--
ADVANCED GENETICS	AG4733S R2Y	64.4	--	--	--	--	104	--	--	10/8	--	--
ASGROW	AG3632	63.7	--	--	--	--	102	--	--	9/27	--	--
ASGROW	AG3731	57.3	**85.0**	--	71.2	--	92	106	--	9/28	--	--
ASGROW	AG3832	64.5	--	--	--	--	104	--	--	9/30	--	--
ASGROW	AG3931	63.4	83.5		73.5	--	102			10/1	--	--
ASGROW	AG3932	58.8	--	--	--	--	95	--	--	10/3	--	--
FONTANELLE	79N62	59.2	--	--	--	--	95	--	--	10/3	--	--
FONTANELLE	86S40	66.0	84.1	--	75.1	--	106	--	--	10/3	--	--
G2 GENETICS	6373	66.9	**85.2**	--	76.1	--	108	106	--	10/3	--	--
G2 GENETICS	7372	61.6	--	--	--	--	99	--	--	10/5	--	--
G2 GENETICS	7382	60.4	--	--	--	--	97	--	--	10/2	--	--
G2 GENETICS	7390	69.5	**91.5**	--	80.5	--	112	114	--	10/4	--	--
G2 GENETICS	7402	69.9	--	--	--	--	112	--	--	10/4	--	--
G2 GENETICS	7415SE	63.1	--	--	--	--	101	--	--	10/6	--	--
G2 GENETICS	7420	61.0	76.6	--	68.8	--	98	96	--	10/6	--	--
G2 GENETICS	7442	66.1	--	--	--	--	106	--	--	10/5	--	--
G2 GENETICS	7460	59.4	77.4	--	68.4	--	96	97	--	10/10	--	--
MIDLAND	3822NR2	55.8	--	--	--	--	90	--	--	10/3	--	--
MIDLAND	3842NRR	61.6	--	--	--	--	99	--	--	10/2	--	--
MIDLAND	3850NR2	61.1	**86.8**	**80.5**	74.0	76.1	98	108	110	10/3	--	--
MIDLAND	3952NR2	61.0	--	--	--	--	98	--	--	9/26	--	--
MIDLAND	3981NR2	62.3	78.3	--	70.3	--	100	98	--	10/5	--	--
MIDLAND	4032NR2	58.0	--	--	--	--	93	--	--	10/1	--	--
MIDLAND	4162NR2	57.8	--	--	--	--	93	--	--	10/1	--	--
MIDLAND	4289NRS	66.5	83.3	**76.3**	74.9	75.4	107	104	104	10/5	--	--
MIDLAND	4329NRR	66.4	80.5	71.5	73.5	72.8	107	101	98	10/3	--	--
MIDLAND	4506NRR	58.5	78.5	72.4	68.5	69.8	94	98	99	10/10	--	--
MIDLAND	4580RS2	62.7	79.6	73.5	71.2	71.9	101	99	100	10/5	--	--

Table 16 continued. Hutchinson, Reno County Irrigated Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
MIDLAND	4792RS2	63.7	--	--	--	--	102	--	--	10/7	--	--
MIDLAND	5182NR2	58.6	--	--	--	--	94	--	--	10/7	--	--
NK	S39-A3	64.3	--	--	--	--	103	--	--	9/30	--	--
NK	S44K7	57.0	--	--	--	--	92	--	--	10/4	--	--
NUTECH	7388	60.5	**84.5**	--	72.5	--	97	105	--	10/4	--	--
NUTECH	7425S	61.3	68.0	--	64.7	--	99	85	--	10/5	--	--
OHLDE	Exp 362R	53.3	--	--	--	--	86	--	--	9/28	--	--
OHLDE	Exp 421	61.0	--	73.1	--	--	98	--	100	10/5	--	--
OHLDE	EXP371	57.2	--	--	--	--	92	--	--	10/9	--	--
OHLDE	EXP432	63.6	--	--	--	--	102	--	--	9/30	--	--
OHLDE	O-391	55.4	73.2	--	64.3	--	89	91	--	9/30	--	--
OHLDE	O-3921	62.2	--	--	--	--	100	--	--	10/5	--	--
OHLDE	O-422	60.2	81.2	--	70.7	--	97	101	--	10/3	--	--
OHLDE	O-451	61.4	83.3	--	72.4	--	99	104	--	10/4	--	--
PHILLIPS	387NR2Y	68.8	--	--	--	--	111	--	--	9/30	--	--
PHILLIPS	417 NRSE	64.9	79.7	74.0	72.3	72.9	104	100	101	10/2	--	--
PHILLIPS	454NR2YS	64.0	--	--	--	--	103	--	--	10/9	--	--
PHILLIPS	486NRS	64.2	74.6	70.3	69.4	69.7	103	93	96	10/9	--	--
PIONEER	93Y70	**74.5**	--	--	--	--	120	--	--	10/5	--	--
PIONEER	93Y92	70.3	--	--	--	--	113	--	--	10/3	--	--
PIONEER	93Y93	68.2	--	--	--	--	110	--	--	10/4	--	--
PIONEER	94Y40	63.6	--	--	--	--	102	--	--	10/5	--	--
TAYLOR	EXP 39D10	52.7	--	--	--	--	85	--	--	10/1	--	--
TAYLOR	EXP 39T30	60.7	--	--	--	--	98	--	--	10/11	--	--
	AVERAGES	62.2	80.1	73.2								
	CV (%)	5.6	7.3	8.3								
	LSD (0.10)	4.0	6.8	7.1								

Values in bold are in the upper LSD group.

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

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

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

Test had to be replanted after rabbit damage. Very hot and dry throughout growing season.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.7	0.9	1.3	0.4	2.1	0.8	7.2
Irrigation:			4.5	6.9	6.4	0.9	18.68

Planted 6/27/2011 at 10 seeds/ft; harvested 10/21/2011; 23 ft. by 2-row plot; pesticides: na

Table 17. Garden City, Finney County Irrigated Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
MIDLAND	3822NR2	17.9	--	--	--	--	80	--	--	--	1.3	--
MIDLAND	3842NRR	**26.9**	--	--	--	--	120	--	--	--	1.8	--
MIDLAND	3850NR2	21.0	**46.7**	41.2	33.9	36.3	94	108	98	--	1.0	--
MIDLAND	3952NR2	21.2	--	--	--	--	95	--	--	--	1.0	--
MIDLAND	3981NR2	22.3	**46.0**	--	34.2	--	100	106	--	--	1.8	--
MIDLAND	4032NR2	24.3	--	--	--	--	108	--	--	--	1.8	--
MIDLAND	4162NR2	22.4	--	--	--	--	100	--	--	--	1.0	--
MIDLAND	4289NRS	18.9	39.9	42.3	29.4	33.7	84	92	100	--	1.0	--
MIDLAND	4329NRR	24.8	**48.4**	**52.5**	36.6	41.9	111	112	125	--	2.5	--
MIDLAND	4506NRR	**27.0**	--	41.6	--	--	121	--	99	--	1.3	--
MIDLAND	4580RS2	**27.5**	40.5	34.6	34.0	34.2	123	94	82	--	2.0	--
MIDLAND	4792RS2	21.0	--	--	--	--	94	--	--	--	1.8	--
OHLDE	EXP382	19.7	--	--	--	--	88	--	--	--	1.0	--
OHLDE	O-3921	**26.1**	--	--	--	--	117	--	--	--	2.0	--
OHLDE	O-451	20.9	--	--	--	--	93	--	--	--	1.3	--
PHILLIPS	385NRS	22.0	**47.3**	**48.6**	34.7	39.3	98	109	115	--	1.3	--
PHILLIPS	386 NR2Y	20.0	--	--	--	--	89	--	--	--	1.5	--
PHILLIPS	387NR2Y	19.7	--	--	--	--	88	--	--	--	1.3	--

Table 17 continued. Garden City, Finney County Irrigated Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
PHILLIPS	416 NR2Y	24.0	--	--	--	--	107	--	--	--	2.0	--
TAYLOR	EXP 39D10	21.2	--	--	--	--	95	--	--	--	1.5	--
TAYLOR	EXP 39T30	22.2	--	--	--	--	99	--	--	--	1.0	--
	AVERAGES	22.4	43.2	42.1								
	CV (%)	7.9	13.5	8.9								
	LSD (0.10)	2.2	7.9	5.2								

Values in bold are in the upper LSD group.

East Central Kansas Experiment Field, Ottawa, Franklin County; Bill Schapaugh, agronomist; James Kimball, tech.

Woodson silt loam, pH 6.2, 2.0% OM; P test: L, K test: L

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.2	4.6	2.3	0.9	2.4	2.8	15.1

Extended dry spell from July 1 through August 10th; only 8" of rainfall from planting through maturity. Rains in August and September salvaged what could have been a complete loss.

Planted 6/7/2011 at 8 seeds/ft; harvested 10/19/2011; 25 ft. by 2-row plot; pesticides: 3 pts. Squadron+ 5 oz. Mertibuzen pre; 12.5 oz. Cobra+ 6 oz. Shadow+ 1 pt. crop oil postemergence

Table 18. Ottawa, Franklin County Dryland Conventional Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4168N LL	25.4	--	--	--	--	96	--	--	10/2	1.0	32
ADVANCED GENETICS	AG4989N LL	28.5	**59.0**	--	43.8	--	108	135	--	10/9	1.0	29
ADVANCED GENETICS	AG5163N LL	28.4	--	--	--	--	108	--	--	10/10	1.8	26
ASGROW	AG5503 *RR check	**33.0**	--	--	--	--	125	--	--	10/14	1.8	30
ILLINOIS AES	LD00-2817P	26.6	52.9	40.2	39.8	39.9	101	121	90	10/2	1.0	28
ILLINOIS AES	LD00-3309	17.2	36.1	44.2	26.7	32.5	65	82	99	9/28	1.0	24
IOWA AES	IA4004	26.0	37.4	46.8	31.7	36.7	98	85	104	9/28	1.3	26
IOWA AES	IA4005	22.8	--	--	--	--	86	--	--	9/30	1.3	25
KANSAS AES	K05-4624	**30.3**	41.8	43.7	36.1	38.6	115	95	98	10/2	1.5	25
KANSAS AES	K07-1253	20.6	44.5	--	32.6	--	78	102	--	9/26	2.0	26
KANSAS AES	K07-1544	21.3	33.3	--	27.3	--	81	76	--	9/24	1.0	22
KANSAS AES	K07-1633	21.1	36.9	--	29.0	--	80	84	--	9/28	1.5	26
KANSAS AES	KS4607	25.0	43.4	38.3	34.2	35.6	95	99	85	10/3	1.0	27
KANSAS AES	KS5004N	26.7	--	--	--	--	101	--	--	10/9	1.5	24
MORSOY	LL 4880N	28.2	45.5	--	36.9	--	107	104	--	10/2	1.0	33
MORSOY	LL 5120N	**30.4**	**58.6**	--	44.5	--	115	134	--	10/10	1.3	24
PIONEER	94Y40 *RR check	23.7	--	--	--	--	90	--	--	10/3	1.3	27
PROGENY	4910	**30.2**	--	--	--	--	114	--	--	10/9	1.8	36
PROGENY	4928LL	26.9	--	--	--	--	102	--	--	10/9	1.3	31
PROGENY	5191	**35.2**	--	--	--	--	133	--	--	10/10	2.0	33
	AVERAGES	26.4	43.8	44.8								
	CV (%)	17.2	8.9	4.9								
	LSD (0.10)	5.4	4.7	2.6								

Values in bold are in the upper LSD group.

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

Parsons silt loam, pH 6.3, 2.3% OM; P test: M, K test: M

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.4	3.9	2.1	1.2	4.2	2.8	16.6

Very hot and dry over the growing season. Much of the rain came in small increments that didn't do much for the crop. Insect pressures were fairly heavy over most of the region. Very little disease pressure.

Planted 6/7/2011 at 7 seeds/ft; harvested 10/26/2011; 17 ft. by 2-row plot; pesticides: 3 oz. Canopy XL+ 1 pt. Dual II magnum; 22 oz. Roundup Powermax+ .3 oz. First Rate

Table 19. Parsons, Labette County Dryland Conventional Soybean Performance Test, Maturity Groups IV-V, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4989N LL	11.5	24.0	--	17.8	--	92	89	--	10/4	1.0	24
ADVANCED GENETICS	AG5163N LL	11.0	--	--	--	--	88	--	--	10/6	1.0	22
ASGROW	AG5503 *RR check	15.0	--	--	--	--	120	--	--	10/15	1.0	27
KANSAS AES	K05-4626	11.4	16.6	50.0	14.0	26.0	91	61	97	10/6	1.0	24
KANSAS AES	KS5004N	**15.9**	27.2	50.0	21.6	31.0	127	100	97	10/4	1.0	27
KANSAS AES	KS5502N	15.7	32.4	45.4	24.1	31.2	126	120	88	10/16	1.0	27
KANSAS AES	KS5507NRR *RR check	**17.9**	31.6	46.2	24.8	31.9	143	117	89	10/18	1.0	28
MORSOY	LL 4880N	7.0	19.2	--	13.1	--	56	71	--	9/18	1.0	27
MORSOY	LL 5120N	10.4	**34.0**	--	22.2	--	83	125	--	10/6	1.0	24
PROGENY	4910	7.7	--	--	--	--	62	--	--	10/1	1.0	28
PROGENY	4928LL	13.2	--	--	--	--	106	--	--	10/3	1.0	24
PROGENY	5191	11.6	--	--	--	--	93	--	--	10/9	1.0	30

Table 19 continued. Parsons, Labette County Dryland Conventional Soybean Performance Test, Maturity Groups IV-V, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
VIRGINIA AES	HUTCHESON	14.5	30.8	--	22.7	--	116	114	--	10/16	1.0	28
	AVERAGES	12.5	27.1	51.8								
	CV (%)	13.9	8.8	5.2								
	LSD (0.10)	2.1	2.8	3.2								

Values in bold are in the upper LSD group.

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

Crete silt loam, pH 7.1, 3.0% OM; P test: L, K test: H

Excellent conditions throughout spring; timely rains during the summer.

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.6	3.4	3.1	5.2	4.4	1.0	18.7
Irrigation:				3.2	1.6	0.0	4.8

Planted 6/7/2011 at 9 seeds/ft; harvested 10/13/2011; 26 ft. by 2-row plot; pesticides: 16 oz. Intensity, 0.3 oz. FirstRate postemergence

Table 20. Scandia, Republic County Irrigated Conventional Soybean Performance Test, 2009-2011

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2011		
BRAND	NAME	2011	2010	2009	2-yr. avg.	3-yr. avg.	2011	2010	2009	Mat.	Lodge score	Ht. (in.)
ADVANCED GENETICS	AG4168N LL	54.2	--	--	--	--	92	--	--	10/3	2.0	45
ILLINOIS AES	LD00-2817P	**62.6**	59.7	**89.7**	61.2	70.7	106	97	115	10/1	2.0	44
ILLINOIS AES	LD00-3309	50.2	58.6	69.9	54.4	59.6	85	95	89	10/3	1.0	37
IOWA AES	IA4004	56.9	64.7	81.0	60.8	67.5	96	105	104	10/1	1.7	42
IOWA AES	IA4005	**62.4**	--	--	--	--	105	--	--	10/4	1.0	35
KANSAS AES	K05-4624	54.7	51.4	82.7	53.1	62.9	92	83	106	10/5	2.5	41
KANSAS AES	K07-1253	**65.9**	53.7	--	59.8	--	111	87	--	10/5	1.5	42
KANSAS AES	K07-1544	**61.3**	**72.0**	--	66.7	--	104	117	--	10/3	1.0	36
KANSAS AES	K07-1633	**59.9**	64.1	--	62.0	--	101	104	--	10/5	1.5	40
KANSAS AES	KS4607	**63.7**	49.9	80.5	56.8	64.7	108	81	103	10/5	1.0	41
PIONEER	94Y40 *RR check	57.7	--	--	--	--	97	--	--	10/5	1.5	41
WILLCROSS	1137N	**61.3**	--	--	--	--	104	--	--	10/3	1.7	43
	AVERAGES	59.2	61.7	78.2								
	CV (%)	7.1	8.4	2.8								
	LSD (0.10)	6.1	7.1	3.0								

Values in bold are in the upper LSD group.

Table 21. Yield as a Percentage of Test Average from Roundup-Resistant Soybean Tests

BRAND/NAME	Emmett	Topeka dryland	Topeka irrigated	Ottawa	Parsons MG4	Parsons MG 5	Pittsburg DMG 5	McCune MG 4	McCune MG 5	Erie MG 4	Erie MG 5	Scandia	Belle-ville	Assaria	Hutch-inson	Garden City	Avg.
ADVANCED GENETICS																	
AG 4233S R2Y	--	--	--	--	--	--	--	--	--	--	--	--	--	112	97	--	104
AG4533N R2Y	--	--	--	100	--	--	--	--	--	--	--	--	--	--	93	--	96
AG4733S R2Y	--	--	--	107	--	--	--	--	--	--	--	--	--	--	104	--	105
AG4833N R2Y	--	--	--	94	--	--	--	--	--	--	--	--	--	--	--	--	94
AG5133N R2Y	--	--	--	122	--	85	--	--	--	--	--	--	--	--	--	--	103
ASGROW																	
AG3130	--	--	--	--	--	--	--	--	--	--	--	--	97	--	--	--	97
AG3231	--	--	--	--	--	--	--	--	--	--	--	105	114	--	--	--	110
AG3431	--	--	--	--	--	--	--	--	--	--	--	107	104	--	--	--	105
AG3432	--	--	--	--	--	--	--	--	--	--	--	119	118	--	--	--	118
AG3632	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102	--	102
AG3730	--	--	--	--	--	--	--	--	--	--	--	102	--	--	--	--	102
AG3731	--	--	--	--	--	--	--	--	--	--	--	103	110	104	92	--	102
AG3832	--	--	--	--	--	--	--	--	--	--	--	--	--	79	104	--	92
AG3931	--	--	--	--	--	--	--	--	--	--	--	--	106	94	102	--	100
AG3932	--	--	--	--	--	--	--	--	--	--	--	107	--	123	95	--	108
AG4232	--	--	--	--	--	--	--	--	--	--	--	--	--	135	--	--	135
AG4531	--	--	--	--	--	--	--	--	--	--	--	--	--	125	--	--	125
AG4903	--	--	--	--	--	102	93	--	99	--	--	--	--	--	--	--	98
AG5503	--	--	--	--	--	119	76	--	93	--	--	--	--	--	--	--	107
AG5605	--	--	--	--	--	141	99	--	97	--	--	--	--	--	--	--	112
FONTANELLE																	
76N12	--	--	--	--	--	--	--	--	--	--	--	99	--	--	--	--	99
78N71	--	108	--	--	--	--	--	--	--	--	--	--	105	--	--	--	107
79N62	--	94	--	--	--	--	--	--	--	--	--	92	106	--	95	--	97
86S40	--	--	--	--	--	--	--	69	--	96	--	--	--	--	106	--	91
88S72	--	--	--	--	--	--	--	--	112	--	96	--	--	--	--	--	104
912 EXP	--	--	--	--	--	--	--	--	103	--	108	--	--	--	--	--	106
G2 GENETICS																	
6369	101	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	101
6373	102	--	--	--	--	--	--	--	--	--	--	--	--	--	108	--	105
7332	84	--	--	--	--	--	--	--	--	--	--	--	92	--	--	--	88
7342	109	107	--	--	--	--	--	--	--	--	--	104	104	--	--	--	106
7362	92	111	116	--	--	--	--	--	--	--	--	--	--	--	--	--	107
7372	100	110	97	--	--	--	--	--	--	--	--	101	103	98	99	--	101
7373	--	--	--	--	--	--	--	--	--	--	--	106	--	--	--	--	106
7375	90	--	98	--	--	--	--	--	--	--	--	95	107	97	--	--	97
7382	--	96	100	102	--	--	--	--	--	--	--	93	95	98	97	--	97
7384	103	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	103
7390	115	108	107	100	--	--	--	--	--	--	--	103	104	105	112	--	107
7402	--	104	89	104	--	--	--	--	--	--	--	--	--	108	112	--	103
7408	--	97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	97
7415SE	--	--	--	--	--	--	--	--	--	--	--	--	--	97	101	--	99
7420	103	86	92	102	--	--	--	--	--	--	--	95	87	119	98	--	98
7439S	--	--	87	--	--	--	--	--	--	--	--	--	--	--	--	--	87
7442	--	87	94	100	--	--	--	--	--	--	--	--	--	126	106	--	103
7460	--	75	112	98	--	--	--	--	--	--	--	--	--	138	96	--	104
7472	--	--	--	--	--	--	--	--	--	--	--	--	--	133	--	--	133

Table 21 continued. Yield as a Percentage of Test Average from Roundup-Resistant Soybean Tests

BRAND/NAME	Emmett	Topeka dryland	Topeka irrigated	Ottawa	Parsons MG4	Parsons MG 5	Pittsburg DMG 5	McCune MG 4	McCune MG 5	Erie MG 4	Erie MG 5	Scandia	Belle-ville	Assaria	Hutch-inson	Garden City	Avg.
KANSAS AES																	
K04-3083RR	--	--	--	--	--	81	131	--	118	--	101	--	--	--	--	--	108
K08-2509 RR	--	--	--	95	--	--	--	--	--	--	--	104	--	--	--	--	99
K08-2528 RR	--	--	--	94	--	--	--	--	--	--	--	104	--	--	--	--	99
KS5507NRR	--	--	--	--	--	134	124	--	105	--	101	--	--	--	--	--	121
MIDLAND																	
3411NR2	--	--	--	--	--	--	--	--	--	--	--	105	109	58	--	--	91
3610NRR	--	--	--	--	--	--	--	--	--	--	--	87	101	91	--	--	93
3612NR2	99	111	103	--	--	--	--	--	--	--	--	103	112	84	--	--	102
3732NR2	101	90	90	90	--	--	--	--	--	--	--	114	102	82	--	--	96
3740NR2	93	109	--	92	--	--	--	--	--	--	--	89	92	124	--	--	100
3822NR2	110	69	95	106	--	--	--	--	--	--	--	103	102	87	90	80	93
3842NRR	105	102	105	105	--	--	--	--	--	--	--	102	113	97	99	120	105
3850NR2	101	110	109	--	76	--	--	--	--	--	--	89	96	69	98	94	93
3920NRS	--	--	--	--	--	--	--	--	--	--	--	98	101	89	--	--	95
3952NR2	99	96	94	82	--	--	--	--	--	--	--	--	109	--	98	95	96
3981NR2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	100
4032NR2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	93	108	101
4162NR2	104	109	101	88	--	--	--	--	--	--	--	--	95	90	93	100	97
4270NR2	107	108	--	100	--	--	--	--	--	91	--	--	--	121	--	--	105
4289NRS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	107	84	96
4329NRR	96	94	106	91	89	--	--	108	--	--	--	--	--	--	107	111	100
4506NRR	--	--	--	100	112	--	--	--	--	81	--	--	--	--	94	121	102
4580RS2	--	90	--	90	111	--	103	109	--	108	--	--	--	--	101	123	104
4768NRR	--	--	--	120	--	60	140	--	99	--	98	--	--	--	--	--	104
4792RS2	--	--	--	97	--	102	109	--	63	--	104	--	--	--	102	94	96
5182NR2	--	--	--	--	--	98	94	--	104	--	--	--	--	--	94	--	98
MORSOY																	
R2 46X71N	--	--	--	104	--	--	--	96	--	--	--	--	--	--	--	--	100
R2 47X31N	--	--	--	89	--	101	--	--	98	--	--	--	--	--	--	--	96
R2 51X10N	--	--	--	105	--	121	--	--	84	--	--	--	--	--	--	--	103
R2 51X31N	--	--	--	104	--	117	--	--	110	--	--	--	--	--	--	--	110
R2S 48X10	--	--	--	102	--	92	--	--	113	--	--	--	--	--	--	--	102
NK																	
S31-L7 Brand	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--	100
S34-N3 Brand	--	--	--	--	--	--	--	--	--	--	--	--	94	--	--	--	94
S36-B6 Brand	--	--	--	--	--	--	--	--	--	--	--	118	100	--	--	--	109
S38-H8 Brand	--	--	--	--	--	--	--	--	--	--	--	94	93	--	--	--	94
S39-A3 Brand	--	--	--	--	--	--	--	--	--	--	--	100	104	--	103	--	103
S39-U2 Brand	--	--	--	--	--	--	--	--	--	--	--	111	--	--	--	--	111
S44-K7 Brand	--	--	--	--	--	--	--	--	--	--	--	86	--	--	92	--	89
S46-A1RR2 Bran	--	--	--	--	--	72	--	--	--	--	--	--	--	--	--	--	72
S52-F2 Brand	--	--	--	--	--	142	78	--	100	--	--	--	--	--	--	--	107
S54-V4 Brand	--	--	--	--	--	105	--	--	--	--	--	--	--	--	--	--	105
NUTECH																	
7359	82	--	--	--	--	--	--	--	--	--	--	92	94	--	--	--	89
7388	--	109	95	--	--	--	--	--	--	--	--	--	--	99	97	--	100
7425S	101	102	90	87	--	--	--	--	--	--	--	--	--	105	99	--	97

Table 21 continued. Yield as a Percentage of Test Average from Roundup-Resistant Soybean Tests

BRAND/NAME	Emmett	Topeka dryland	Topeka irrigated	Ottawa	Parsons MG4	Parsons MG 5	Pittsburg DMG 5	McCune MG 4	McCune MG 5	Erie MG 4	Erie MG 5	Scandia	Belle-ville	Assaria	Hutch-inson	Garden City	Avg.
OHLDE																	
Exp 362R	97	--	--	--	--	--	--	--	--	--	--	111	109	--	86	--	101
Exp 421	103	--	--	--	--	--	--	--	--	--	--	--	--	--	98	--	100
EXP371	95	--	--	--	--	--	--	--	--	--	--	90	91	--	92	--	92
EXP382	107	--	--	--	--	--	--	--	--	--	--	99	98	--	--	88	98
EXP432	106	--	--	--	--	--	--	--	--	--	--	--	--	140	102	--	116
O-332	--	--	--	--	--	--	--	--	--	--	--	103	101	--	--	--	102
O-3721	105	101	--	--	--	--	--	--	--	--	--	--	92	124	--	--	105
O-391	96	119	--	--	--	--	--	--	--	--	--	--	97	56	89	--	92
O-3921	105	--	120	--	--	--	--	--	--	--	--	110	107	--	100	117	110
O-422	104	--	114	--	--	--	--	--	--	--	--	--	--	136	97	--	113
O-451	--	--	101	107	--	--	--	--	--	--	--	--	--	--	99	93	100
O-4595	--	--	--	93	--	--	--	--	--	--	--	--	--	--	--	--	93
O-4880	--	--	--	94	--	--	--	--	--	--	--	--	--	--	--	--	94
X412	--	117	--	--	--	--	--	--	--	--	--	--	95	82	--	--	98
PHILLIPS																	
320 NR2Y	--	94	--	--	--	--	--	--	--	--	--	--	107	93	--	--	98
385NRS	--	95	82	--	--	--	--	--	--	--	--	91	--	--	--	98	92
386 NR2Y	--	103	127	--	--	--	--	--	--	--	--	90	--	--	--	89	102
387NR2Y	--	90	--	--	--	--	--	--	--	--	--	102	--	108	111	88	100
416 NR2Y	--	93	105	--	--	--	--	--	--	--	--	--	94	--	--	107	100
417 NRSE	--	--	--	--	--	--	--	--	--	--	--	--	95	97	104	--	99
439 NRS	--	90	87	--	--	--	--	--	--	--	--	--	--	--	--	--	88
454NR2YS	--	--	--	--	--	--	--	--	--	--	--	--	--	125	103	--	114
486NRS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	103	--	103
PIONEER																	
93Y70	--	--	119	--	--	--	--	--	--	--	--	101	--	--	120	--	113
93Y92	--	--	110	--	--	--	--	--	--	--	--	105	--	--	113	--	109
93Y93	--	--	93	--	--	--	--	--	--	--	--	98	--	--	110	--	100
94Y40	--	--	105	--	--	--	--	--	--	--	--	92	--	--	102	--	97
PROGENY																	
3911 RY	--	112	94	96	99	--	--	108	--	114	--	--	--	--	--	--	104
4211 RY	--	110	90	107	104	--	--	104	--	96	--	--	--	--	--	--	102
4510	--	108	101	96	94	--	--	110	--	104	--	--	--	--	--	--	102
4611 RY	--	114	95	101	116	--	--	97	--	97	--	--	--	--	--	--	103
4710 RY	--	102	96	109	--	100	--	--	101	--	104	--	--	--	--	--	102
4811 RY	--	104	96	103	--	95	--	--	96	--	99	--	--	--	--	--	99
4908RR	--	92	103	128	--	119	--	--	115	--	101	--	--	--	--	--	110
4911RY	--	110	88	100	--	75	--	--	109	--	89	--	--	--	--	--	95
5111RY	--	110	118	113	--	108	--	--	110	--	100	--	--	--	--	--	110
TAYLOR																	
382-2R	--	--	--	--	--	--	--	--	--	--	--	--	86	--	--	--	86
397RR	--	--	98	--	--	--	--	--	--	--	--	--	--	--	--	--	98
461-2R	--	--	--	101	--	--	--	--	--	105	--	--	--	--	--	--	103
487RRS	--	--	--	107	--	--	--	--	--	--	--	--	--	--	--	--	107
EXP 38D33	104	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	104
EXP 39D10	85	104	106	--	--	--	--	--	--	--	--	90	85	53	85	95	88
EXP 39T30	98	95	78	--	--	--	--	--	--	--	--	102	99	83	98	99	94
EXP 42T20	--	--	97	--	--	--	--	--	--	--	--	--	--	--	--	--	97
EXP 44T40	--	99	--	--	--	--	--	--	--	110	--	--	--	--	--	--	104
EXP 48T00	--	--	--	95	--	90	--	--	109	--	100	--	--	--	--	--	98

Table 21 continued. Yield as a Percentage of Test Average from Roundup-Resistant Soybean Tests

BRAND/NAME	Emmett	Topeka dryland	Topeka irrigated	Ottawa	Parsons MG4	Parsons MG 5	Pittsburg DMG 5	McCune MG 4	McCune MG 5	Erie MG 4	Erie MG 5	Scandia	Belle-ville	Assaria	Hutch-inson	Garden City	Avg.
WILLCROSS																	
2350NS	91	--	--	--	--	--	--	--	--	--	--	89	98	--	--	--	93
2381N	104	--	--	--	--	--	--	--	--	--	--	102	107	--	--	--	104
RY2321N	99	--	--	--	--	--	--	--	--	--	--	102	86	--	--	--	96
RY2342N	101	--	--	--	--	--	--	--	--	--	--	100	102	--	--	--	101
RY2362N	106	--	--	--	--	--	--	--	--	--	--	101	109	--	--	--	105
RY2383N	107	--	--	--	--	--	--	--	--	--	--	95	96	--	--	--	99
RY2393N	104	--	--	--	--	--	--	--	--	--	--	99	80	--	--	--	95
WX RR2397	--	75	--	96	--	--	--	--	--	--	--	--	--	--	--	--	85
WX RR2398	--	96	88	--	--	--	--	--	--	--	--	--	--	--	--	--	92
WX RR2409	--	--	108	89	--	--	--	--	--	--	--	--	--	--	--	--	98
WX RR2440	--	--	110	91	--	--	--	--	--	--	--	--	--	--	--	--	101
WX RR2477	--	90	95	106	--	88	88	--	103	--	--	--	--	--	--	--	95
WX RR2498	--	--	--	--	--	73	88	--	95	--	--	--	--	--	--	--	85
WX RR2507	--	--	--	--	--	69	90	--	84	--	--	--	--	--	--	--	81
WX RR2544	--	--	--	--	--	117	108	--	101	--	--	--	--	--	--	--	109
WX RR2878	--	87	98	91	--	99	106	--	96	--	--	--	--	--	--	--	96
WX RY2432	--	--	95	100	--	--	--	--	--	--	--	--	--	--	--	--	97
WX RY2460	--	--	107	106	--	--	--	--	--	--	--	--	--	--	--	--	106
WX RY2481	--	105	91	105	--	90	79	--	94	--	--	--	--	--	--	--	94
WX RY2482	--	106	105	118	--	73	96	--	84	--	--	--	--	--	--	--	97

Table 22. Yield as a Percentage of Test Average from 2011 Conventional Soybean Tests

BRAND/NAME	Ottawa	Parsons MG 5	Scandia	AVG
ADVANCED GENETIC				
AG4168N LL	96	--	92	94
AG4989N LL	108	92	--	100
AG5163N LL	108	88	--	98
ILLINOIS AES				
LD00-2817P	101	--	106	103
LD00-3309	65	--	85	75
IOWA AES				
IA4004	98	--	96	97
IA4005	86	--	105	96
KANSAS AES				
K05-4624	115	--	92	104
K05-4626	--	91	--	91
K07-1253	78	--	111	95
K07-1544	81	--	104	92
K07-1633	80	--	101	91
KS4607	95	--	108	101
KS5004N	101	127	--	114
KS5502N	--	126	--	126
MORSOY				
LL 4880N	107	56	--	81
LL 5120N	115	83	--	99
PROGENY				
4910	114	62	--	88
4928LL	102	106	--	104
5191	133	93	--	113
VIRGINIA AES				
HUTCHESON	--	116	--	116
WILLCROSS				
1137N	--	--	104	104

Table 23. Description of Roundup-Resistant Entries in 2011 Soybean Performance Tests

BRAND	NAME	Maturity group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
ADVANCED GENETICS	AG 4233S R2Y	4.2	P	BL	--	R	--	R	PI88788	--	4.0	--
ADVANCED GENETICS	AG4533N R2Y	4.5	W	BL	--	R	--	R	PI88788	Rps1c	2.5	--
ADVANCED GENETICS	AG4733S R2Y	4.7	P	Bl	--	--	--	--	--	Rps1c	4.0	STS
ADVANCED GENETICS	AG4833N R2Y	4.8	P	BL	--	--	--	--	--	Rps1c	2.8	--
ADVANCED GENETICS	AG5133N R2Y	5.1	--	--	--	--	--	--	--	--	--	--
ASGROW	AG2931	2.9	P	IB	--	R	--	--	PI88788	Rps1c	6.0	--
ASGROW	AG3039	3.0	P	IB	--	R	--	--	PI88788	Rps1k,7	5.0	--
ASGROW	AG3130	3.1	P	IB	--	MR	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3231	3.2	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3431	3.4	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3432	3.4	P	IB	--	MR	--	--	PI88788	S	7.0	--
ASGROW	AG3632	3.6	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3730	3.7	P	IB	--	R	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG3731	3.7	P	IB	--	R	--	--	PI88788	Rps1c	6.0	--
ASGROW	AG3832	3.8	P	IB	--	R	--	--	PI88788	Rps1c	4.0	--
ASGROW	AG3931	3.9	P	IB	--	R	--	--	PI88788	S	6.0	--
ASGROW	AG3932	3.9	P	IB	--	R	--	--	PI88788	Rps1k	5.0	--
ASGROW	AG4232	4.2	P	BL	--	R	--	--	PI88788	Rps1a	5.0	--
ASGROW	AG4531	4.5	P	IB	--	--	--	--	PI88788	Rps1c	7.0	--
ASGROW	AG4903	4.9	--	--	--	--	--	--	--	--	--	--
ASGROW	AG5503	5.5	--	--	--	--	--	--	--	--	--	--
ASGROW	AG5605	5.6	P	IB	--	MR	--	MR	PI88788	S	5.0	STS
FONTANELLE	76N12	3.6	--	--	--	--	--	--	--	--	--	--
FONTANELLE	78N71	--	--	--	--	--	--	--	--	--	--	--
FONTANELLE	79N62	3.9	--	--	--	--	--	--	--	--	--	--
FONTANELLE	86S40	4.6	--	--	--	--	--	--	--	--	--	--
FONTANELLE	88S72	4.8	--	--	--	--	--	--	--	--	--	--
FONTANELLE	912 EXP	5.2	--	--	--	--	--	--	--	--	--	--
G2 GENETICS	6369	3.6	P	Bl	--	--	--	--	--	Rps1k	--	--
G2 GENETICS	6373	3.7	W	Bl	--	--	--	--	--	Rps1k	--	--
G2 GENETICS	7332	3.3	P	BL	--	R	--	R	PI88788	--	3.0	--
G2 GENETICS	7342	3.4	P	BR	--	R	--	R	PI88788	Rps1a	5.0	--
G2 GENETICS	7362	3.6	W	BL	--	R	--	R	PI88788	--	5.0	--
G2 GENETICS	7372	3.7	W	BL	--	R	--	R	PI88788	--	4.0	--
G2 GENETICS	7373	3.8	P	Bl	R	R	R	--	PI88788	Rps1k	5.0	--
G2 GENETICS	7375	3.7	W	BL	--	R	--	R	PI88788	Rps1k	4.0	--
G2 GENETICS	7382	3.8	W	BL	--	R	--	R	PI88788	Rps1k	5.0	--
G2 GENETICS	7384	3.8	W	BL	--	R	--	R	PI88788	Rps1k	5.0	--
G2 GENETICS	7390	3.9	W	Bl	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7402	4.0	W	BL	--	R	--	R	PI88788	Rps1k	5.0	--
G2 GENETICS	7408	4.0	W	BL	--	R	--	R	PI88788	Rps1k	5.0	--
G2 GENETICS	7415SE	4.1	W	BR	--	R	--	R	PI88788	Rps1k	6.0	--
G2 GENETICS	7420	4.2	W	Bl	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7439S	4.3	P	Bl	--	R	R	--	PI88788	Rps1k	--	--
G2 GENETICS	7442	4.4	W	BL	--	R	--	R	PI88788	Rps1k	6.0	--
G2 GENETICS	7460	4.6	W	Bl	--	R	R	--	PI88788	--	--	--
G2 GENETICS	7472	4.7	P	BL	--	R	--	R	PI88788	--	5.0	--
KANSAS AES	K04-3083RR	4.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K08-2509 RR	3.0	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K08-2528 RR	3.0	--	--	--	--	--	--	--	--	--	--
KANSAS AES	KS5507NRR	5.2	P	IB	R	R	R	R	PI437654	--	--	--
MIDLAND	3411NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3610NRR	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3612NR2	3.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	3732NR2	3.0	--	--	--	R	--	MR	PI88788	--	3.0	--
MIDLAND	3740NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3822NR2	3.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	3842NRR	3.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	3850NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3920NRS	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	3952NR2	3.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	3981NR2	--	--	--	--	--	--	--	--	--	--	--

Table 23 continued. Description of Roundup-Resistant Entries in 2011 Soybean Performance Tests

BRAND	NAME	Maturity group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
MIDLAND	4032NR2	4.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	4162NR2	4.0	--	--	--	R	--	MR	PI88788	--	2.0	--
MIDLAND	4270NR2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4289NRS	4.2	--	--	--	R	--	MR	PI88788	--	2.0	STS
MIDLAND	4329NRR	4.3	--	--	--	--	--	MR	PI88788	--	2.2	--
MIDLAND	4506NRR	4.5	--	--	--	R	--	MR	PI88788	--	4.0	STS
MIDLAND	4580RS2	--	--	--	--	--	--	--	--	--	--	--
MIDLAND	4768NRR	4.7	--	--	--	R	--	--	PI88788	Rps1c	4.0	--
MIDLAND	4792RS2	4.0	--	--	--	--	--	--	--	--	2.0	STS
MIDLAND	5182NR2	5.0	--	--	--	MR	--	MR	PI88788	--	2.0	--
MORSOY	R2 46X71N	4.6	P	BL	--	R	--	MR	PI88788	Rps1c	3.0	--
MORSOY	R2 47X31N	4.7	P	BL	--	R	--	MR	PI88788	Rps1c	5.0	--
MORSOY	R2 51X10N	5.1	P	Ib	--	R	--	MR	PI88788	--	4.0	--
MORSOY	R2 51X31N	5.1	W	BF	--	R	--	--	PI88788	Rps1c	3.0	--
MORSOY	R2S 48X10	4.8	P	Bl	--	--	--	--	--	Rps1c	2.0	--
Nk	S31-L7 Brand	3.1	P	IB	--	R	--	MR	PI88788	Rps1a	4.0	--
Nk	S34-N3 Brand	3.4	--	--	--	--	--	--	--	Rps1c	5.0	--
Nk	S36-B6 Brand	--	--	--	--	--	--	--	--	--	--	--
Nk	S38-H8 Brand	3.8	W	BL	--	R	--	MR	PI88788	Rps1c	5.0	--
Nk	S39-A3 Brand	3.9	W	Bl	--	R	--	R	Pi88788	S	3.0	--
Nk	S39-U2 Brand	3.9	--	--	--	--	--	--	--	--	5.0	--
Nk	S44-K7 Brand	4.4	P	BL	--	R	--	MR	PI88788	Rps1c	6.0	STS
Nk	S46-A1 RR2 Brand	4.6	W	BL	--	--	--	--	S	--	--	--
Nk	S52-F2 Brand	5.2	P	Bl	--	R	--	--	PI88788	--	4.0	--
Nk	S54-V4 Brand	5.4	P	BF	--	R	--	R	Rps1k	--	5.0	--
NUTECH	7359	3.5	--	--	--	--	--	--	--	--	--	--
NUTECH	7388	3.8	--	--	--	--	--	--	--	--	--	--
NUTECH	7425S	4.2	--	--	--	--	--	--	--	--	--	--
OHLDE	Exp 362R	--	--	--	--	--	--	--	--	--	--	--
OHLDE	Exp 421	--	--	--	--	--	--	--	--	--	--	--
OHLDE	EXP371	--	--	--	--	--	--	--	--	--	--	--
OHLDE	EXP382	--	--	--	--	--	--	--	--	--	--	--
OHLDE	EXP432	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-332	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-3721	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-391	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-3921	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-422	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-451	--	--	--	--	--	--	--	--	--	--	--
OHLDE	O-4595	4.5	P	Br	S	R	S	MR	PI88788	--	2.0	--
OHLDE	O-4880	--	--	--	--	--	--	--	--	--	--	--
OHLDE	X412	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	320 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	385NRS	3.8	W	Bf	--	--	--	--	--	Rcl.7	1.7	--
PHILLIPS	386 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	387NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	416 NR2Y	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	417 NRSE	4.1	W	B	R	--	--	MR	--	--	1.6	--
PHILLIPS	439 NRS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	454NR2YS	--	--	--	--	--	--	--	--	--	--	--
PHILLIPS	486NRS	4.8	P	B	--	MR	--	MS	--	Rps1a	1.8	--
PIONEER	93Y70	--	--	--	--	--	--	--	--	--	--	--
PIONEER	93Y92	--	--	--	--	--	--	--	--	--	--	--
PIONEER	93Y93	--	--	--	--	--	--	--	--	--	--	--
PIONEER	94Y40	--	--	--	--	--	--	--	--	--	--	--
PROGENY	3911 RY	3.9	P	IB	--	R	--	--	--	Rps1c	--	--
PROGENY	4211 RY	4.2	P	IB	--	R	--	MR	--	--	--	--
PROGENY	4510	4.5	P	BL	--	--	--	--	--	--	--	--
PROGENY	4611 RY	4.6	P	BL	--	R	--	MR	--	Rps1c	--	--
PROGENY	4710 RY	4.7	P	BU	--	--	MR	--	--	Rps1k	--	--
PROGENY	4811 RY	4.8	P	BL	--	R	--	MR	--	Rps1c	--	--
PROGENY	4908RR	4.9	W	Bl	S	S	S	S	--	--	--	--

Table 23 continued. Description of Roundup-Resistant Entries in 2011 Soybean Performance Tests

BRAND	NAME	Maturity group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS
					R1	R3	R4	R14	Source	RR	Tolerance	
PROGENY	4911RY	4.9	P	BL	--	--	--	--	--	--	--	--
PROGENY	5111RY	5.1	W	BF	--	R	--	--	--	Rps1c	--	--
TAYLOR	332-2R	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	382-2R	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	397RR	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	461-2R	4.5	--	--	--	MR	--	MR	PI88788	Rps1a	3.0	--
TAYLOR	487RRS	4.8	--	--	--	MR	--	MR	PI88788	Rps1a	2.0	STS
TAYLOR	EXP 38D33	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	EXP 39D10	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	EXP 39T30	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	EXP 42T20	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	EXP 44T40	--	--	--	--	--	--	--	--	--	--	--
TAYLOR	EXP 48T00	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	2350NS	3.5	--	--	--	--	--	--	--	--	--	--
WILLCROSS	2381N	3.8	W	Bl	--	--	--	--	--	Rps1k	1.7	--
WILLCROSS	RY2321N	3.2	--	--	--	--	--	--	--	Rps1c	--	--
WILLCROSS	RY2342N	3.4	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2362N	3.6	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2383N	3.8	--	--	--	--	--	--	--	--	--	--
WILLCROSS	RY2393N	3.9	--	--	--	--	--	--	--	--	--	--
WILLCROSS	WX RR2397	3.9	P	Bl	--	--	--	--	--	Rps1c	--	--
WILLCROSS	WX RR2398	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	WX RR2409	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	WX RR2440	4.4	P	Bl	--	R	--	MR	--	--	--	STS
WILLCROSS	WX RR2477	4.7	M	Bl	--	--	--	--	--	--	--	STS
WILLCROSS	WX RR2498	4.9	P	lB	--	R	--	MR	--	--	--	STS
WILLCROSS	WX RR2507	5.0	P	lB	--	R	--	MR	--	--	--	STS
WILLCROSS	WX RR2544	5.4	W	Bf	--	R	--	R	PI88788	--	4.0	STS
WILLCROSS	WX RR2878	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	WX RY2432	--	--	--	--	--	--	--	--	--	--	--
WILLCROSS	WX RY2460	4.6	P	Bl	--	--	--	--	--	Rps1c	2.2	--
WILLCROSS	WX RY2481	4.7	P	Bl	--	--	--	--	--	Rps1c	1.7	--
WILLCROSS	WX RY2482	--	--	--	--	--	--	--	--	--	--	--

Table 24. Description of Conventional Entries in 2011 Soybean Performance Tests

BRAND	NAME	Maturity group	Flower color	Hilum color	SCN Resistance R1	R3	R4	R14	Source	Phytophthora RR	Tolerance	STS
ADVANCED GENETICS	AG4168N LL	4.2	P	BL	--	R	--	R	PI88788	Rps1c	3.0	--
ADVANCED GENETICS	AG4989N LL	5.0	P	Bf	--	MR	--	--	--	Rps1k	2.5	--
ADVANCED GENETICS	AG5163N LL	5.1	W	BL	--	R	--	--	--	Rps1k	2.8	--
ILLINOIS AES	LD00-2817P	4.1	P	Ib	--	R	--	--	788/654	--	--	--
ILLINOIS AES	LD00-3309	3.9	P	Bl	--	R	--	--	PI88788	--	--	--
IOWA AES	IA4004	4.0	P	Ib	S	S	S	S	--	R	--	--
IOWA AES	IA4005	4.0	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K05-4624	4.5	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K05-4626	4.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K07-1253	4.2	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K07-1544	3.8	--	--	--	--	--	--	--	--	--	--
KANSAS AES	K07-1633	4.2	--	--	--	--	--	--	--	--	--	--
KANSAS AES	KS4607	4.6	P	Bl	S	S	S	S	--	S	--	--
KANSAS AES	KS5004N	5.0	W	IB	R	R	--	--	PEKING	--	--	--
KANSAS AES	KS5502N	5.2	P	IB	R	R	R	R	PI437654	S	--	--
MORSOY	LL 4880N	4.8	P	Bl	--	R	--	MR	PI88788	Rps1k	3.0	--
MORSOY	LL 5120N	5.1	Wl	Bl	--	R	--	MR	PI88788	Rps1k	3.0	--
PROGENY	4910	4.9	M	BL	--	R	--	MR	--	--	--	--
PROGENY	4928LL	4.9	P	BL	--	R	--	MR	--	Rps1c	--	--
PROGENY	5191	5.1	W	BL	MR	MR	--	MR	--	--	--	--
VIRGINIA AES	HUTCHESON	5.2	W	Bf	S	S	S	S	--	S	--	--
WILLCROSS	1137N	3.7	--	--	--	--	--	--	--	Rps1k	1.5	--

Flower color: P=purple, W=white, M=mixed
Hilum color: BL=black, IB=imperfect black, BR=brown, BF=buff, G=grey, Y=yellow, M=mixed
SCN Resistance: R1, R3, R4, and R14 = Race 1, 3, 4, and 14, respectively, S=susceptible, R=resistant, MR=moderately resistant
Phytophthora Root Rot: RR=race resistance (major genes), H=heterogeneous; Tolerance=field tolerance score, 1=excellent to 9=poor
STS=sulfonylurea herbicide tolerant
Shattering score: 1=no shattering, 2=1 to 10% shattered, 3=11 to 25% shattered two weeks after maturity
All information supplied by entrant.

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.

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