

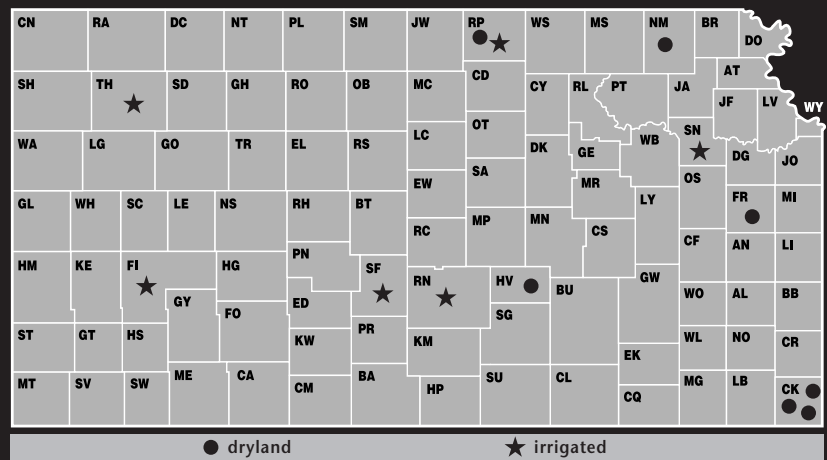
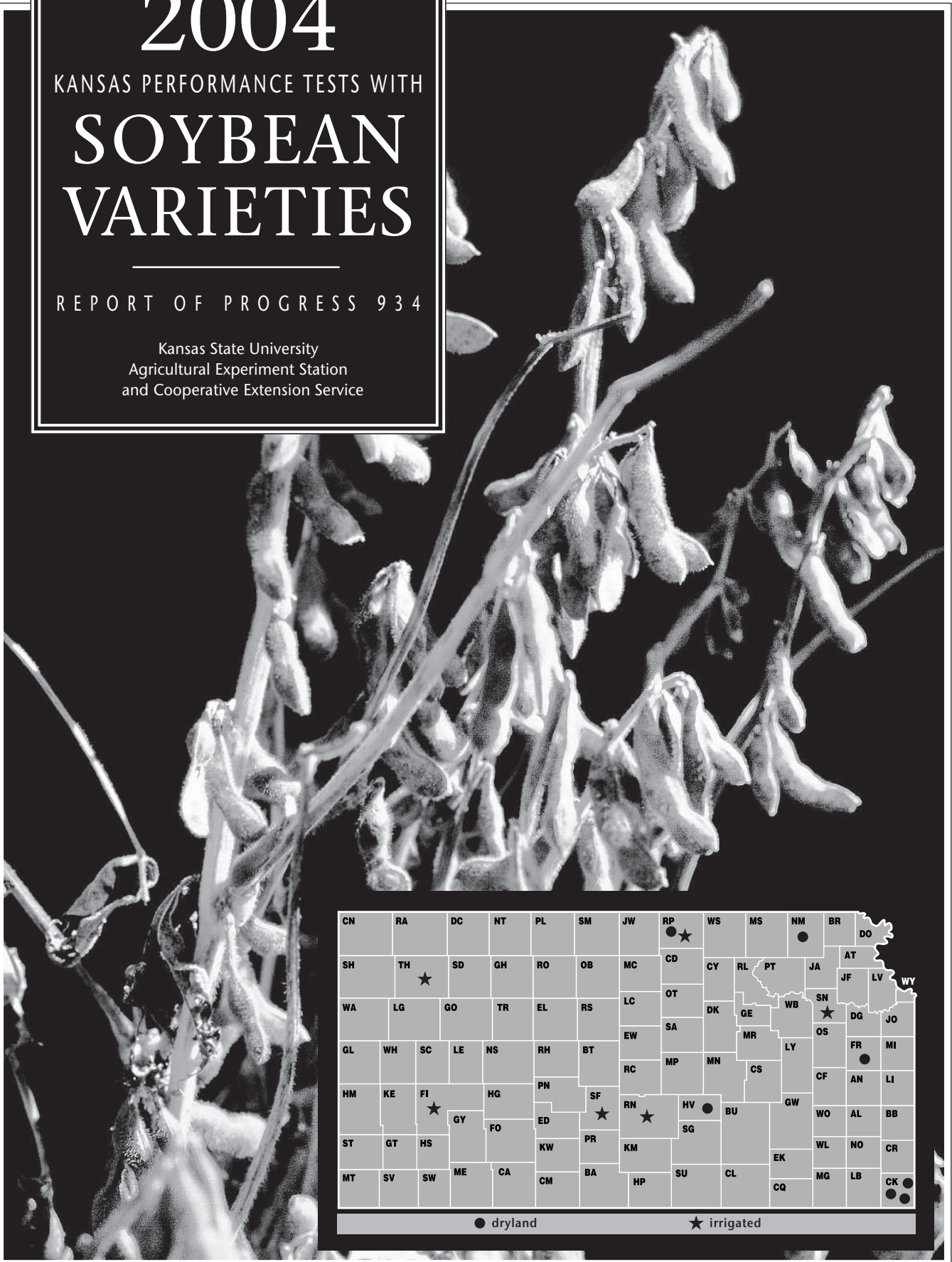
# 2004

KANSAS PERFORMANCE TESTS WITH

# SOYBEAN VARIETIES

REPORT OF PROGRESS 934

Kansas State University  
 Agricultural Experiment Station  
 and Cooperative Extension Service



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# 2004 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 such factors 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<sup>®</sup>-resistant varieties in either the standard trials or in separate Roundup<sup>®</sup> trials. Most of the Roundup<sup>®</sup>-resistant varieties were entered in the Roundup<sup>®</sup> tests, but several also were entered in the standard tests. An asterisk (\*) following the entry name is used to identify Roundup<sup>®</sup>-resistant entries in the tables.

Entries were planted in four-row plots with rows 30 inches apart and were replicated three or four times each. Seeding rate ranged from seven to 12 seeds per foot of row. The center two rows of each plot were harvested for yield, except in the test at Garden City, in which four rows were harvested for yield. Harvested row lengths ranged from 14 to 30 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 14. Relative yields of each entry from all locations are shown in Table 15. Results of the tests also can be found online at: <http://www.ksu.edu/kscpt>.

## DATA INTERPRETATION

**Yields** are recorded as bushels per acre (60 pounds per 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 one week of good drying weather after maturing is needed before soybeans are ready to harvest.

**Lodging** is rated at maturity by the following scores:

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

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

## VARIETY OR BRAND SELECTION

Performance of soybean varieties or brands varies from year to year and from location to location, depending on such factors as weather, management practices, and variety adaptation. When selecting varieties or brands, one should carefully analyze their 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 will.

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. In those 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 2004 Kansas Soybean Performance Tests**

<p><b>Maryland AES</b> College Park MD agnr.umd.edu</p>	<p><b>Dyna-Gro</b> <b>UAP-Pueblo</b> Garden City KS 620-275-6127 uap.com</p>	<p><b>LG Seeds</b> <b>LG Seeds</b> Gibbon NE 877-505-7313 lgseeds.com</p>	<p><b>Prairie Brand</b> <b>Prairie Brand Seed Co.</b> Story City IA 800-544-8751 prairiebrand.com</p>
<p><b>Virginia AES</b> Blacksburg VA ext.vt.edu</p>	<p><b>Garst</b> <b>Garst Seed Co.</b> Slater IA 800-831-6630 garstseed.com</p>	<p><b>MFA Morsoy</b> <b>MFA Incorporated</b> Columbia MO 573-876-5285 morsoy.com</p>	<p><b>Rainbow</b> <b>Rainbow Seeds</b> Wamego KS 785-456-2166</p>
<p><b>Advanced Genetics</b> <b>DeLange Seed</b> Girard KS 620-724-6223 delangeseed.com</p>	<p><b>Hamon</b> <b>Hamon Seed Farms, Inc.</b> Valley Falls KS 785-945-3584</p>	<p><b>Midland</b> <b>Midland Genetics Group</b> Ottawa KS 800-819-SEED midlandgenetics.com</p>	<p><b>Renze</b> <b>Renze Hybrids</b> Carroll IA 712-669-3301 renzehybrids.com</p>
<p><b>AgSource</b> <b>AgSource Seeds, Inc.</b> Nevada IA 515-382-8880 agsourceseeds.com</p>	<p><b>Helena</b> <b>Helena Chemical Co.</b> W. Des Moines IA 515-309-3463 helenachemical.com</p>	<p><b>Midland-Phillips</b> <b>Phillips Seed Farms</b> Hope KS 800-643-4340 info@phillipsseed.com</p>	<p><b>Stine</b> <b>Stine Seed Co.</b> Adel IA 800-362-2510 stineseed.com</p>
<p><b>Asgrow/DeKalb</b> <b>Monsanto Seed</b> St. Louis MO 800-833-5252 monsanto.com</p>	<p><b>Kruger</b> <b>Kruger Seed Co.</b> Dike IA 800-772-2721 krugerseed.com</p>	<p><b>M-Pride</b> <b>Midwest Premium Genetics</b> Concordia MO 800-622-1150</p>	<p><b>Taylor</b> <b>Taylor Seed Farms, Inc.</b> White Cloud KS 800-742-7473 taylorseedfarms.com</p>
<p><b>CroPlan Genetics</b> <b>CroPlan Genetics</b> St. Paul MN 800-851-8810 croplangenetics.com</p>	<p><b>KSOY</b> <b>Kansas AES</b> Manhattan KS 785-532-7242 oznet.ksu.edu/agronomy</p>	<p><b>NK</b> <b>Syngenta Seeds</b> Lincoln NE 402-420-6664 nk-us.com</p>	<p><b>Willcross</b> <b>Neco Seed Farms</b> Garden City MO 816-862-8203</p>
<p><b>Deltapine</b> <b>Delta &amp; Pine Land Co.</b> Lubbock TX 806-740-1600 deltaandpine.com</p>	<p><b>Lewis</b> <b>Lewis Hybrids, Inc.</b> Ursa IL 800-252-7851 lewishybrids.com</p>	<p><b>Ohlde</b> <b>Ohlde Seed Farms, Inc.</b> Palmer KS 785-692-4555</p>	<p><b>Willcross</b> <b>Willcross Seed</b> King City MO 800-411-5957 willcross.com</p>
<p><b>Drussel Seed</b> <b>Drussel Seed, Inc.</b> Garden City KS 620-275-2359</p>		<p><b>Pioneer</b> <b>Pioneer, A DuPont Co.</b> Amarillo TX 800-258-5604 pioneer.com</p>	

**Kieth Flentie Farm, Centralia, Nemaha County; Bill Schapaugh, agronomist, 785-532-7242**

Wymore silt loam, pH 6, 2.5% OM; P test: M, K test: M  
0-0-0 lbs N-P-K fertilizer

Planted into alfalfa that had been killed in April. Soil compaction may have limited root growth. Dry weather in August and September reduced late-season growth and pod-fill.

April May June July Aug. Sept. Total

Rainfall: 1.3 5.1 5.9 5.9 2.2 1.0 21.4

Planted 5/24/2004 at 8 seeds/ft; harvested 10/15/2004; 13 ft. by 2-row plot; pesticides: 2 applications of Roundup Ultra

**Table 2. Centralia, Nemaha Co. Roundup®-resistant Soybean Performance Test, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
AGSOURCE	9354*	42.2	--	--	--	--	105	--	--	9/21	1.0	27
AGSOURCE	9395*	38.9	--	--	--	--	97	--	--	9/25	1.0	31
ASGROW	AG3302*	40.1	32.0	23.7	36.1	31.9	100	109	106	9/20	1.0	29
ASGROW	AG3305*	43.4	--	--	--	--	109	--	--	9/19	1.0	25
ASGROW	AG3602*	42.6	--	--	--	--	106	--	--	9/21	1.0	30
ASGROW	AG3802*	40.4	--	--	--	--	101	--	--	9/22	1.0	33
ASGROW	AG3905*	40.5	31.8	--	36.2	--	101	108	--	9/24	1.0	31
ASGROW	AG3906*	38.4	--	--	--	--	96	--	--	9/23	1.0	29
ASGROW	AG4102*	39.9	--	--	--	--	100	--	--	9/24	1.0	33
ASGROW	AG4403*	38.3	33.4	--	35.8	--	96	114	--	9/26	1.0	32
CROPLAN GENETICS	RC3732*	39.4	26.3	--	32.8	--	98	89	--	9/22	1.0	29
CROPLAN GENETICS	RC4013*	39.5	--	--	--	--	99	--	--	9/23	1.0	27
CROPLAN GENETICS	RC4233*	33.8	--	--	--	--	85	--	--	9/24	1.0	28
DEKALB	DKB36-52*	38.9	--	--	--	--	97	--	--	9/21	1.0	32
DEKALB	DKB37-51*	41.5	27.7	--	34.6	--	104	94	--	9/21	1.0	29
DEKALB	DKB38-52*	41.7	27.3	19.9	34.5	29.6	104	93	89	9/22	1.0	29
DEKALB	DKB40-51*	36.4	30.2	24.1	33.3	30.3	91	103	108	9/23	1.0	33
DYNA-GRO	DG 32C38*	43.6	--	--	--	--	109	--	--	9/23	1.0	27
DYNA-GRO	DG 3362NRR*	42.3	29.2	20.2	35.7	30.5	106	99	90	9/23	1.0	25
DYNA-GRO	DG 3390NRR*	42.7	29.1	19.7	35.9	30.5	107	99	88	9/22	1.0	32
DYNA-GRO	DG-33A37*	41.0	35.3	--	38.1	--	102	120	--	9/20	1.0	29
DYNA-GRO	SXO4237*	41.0	--	--	--	--	102	--	--	9/23	1.0	28
GARST	3535RR/STS*	37.7	30.4	--	34.1	--	94	103	--	9/20	1.0	28
GARST	3624RR/N*	41.5	--	--	--	--	104	--	--	9/22	1.0	27
GARST	3712RR/N*	40.5	33.1	20.0	36.8	31.2	101	113	89	9/22	1.0	27
GARST	3824RR/N*	43.7	26.6	--	35.1	--	109	91	--	9/22	1.0	30
HAMON	3704NRR*	39.9	--	--	--	--	100	--	--	9/22	1.0	30
KANSAS AES	KS4404RR*	34.2	34.5	21.6	34.4	30.1	86	117	96	9/29	1.0	29
KANSAS AES	KS4704RR*	36.9	31.9	--	34.4	--	92	109	--	9/26	1.0	28
KRUGER	K-328RR*	40.9	--	--	--	--	102	--	--	9/20	1.0	30
KRUGER	K-346RR/SCN*	39.2	--	--	--	--	98	--	--	9/21	1.0	29
KRUGER	K-349RR*	38.9	29.1	--	34.0	--	97	99	--	9/20	1.0	26
KRUGER	K-355RR/SCN*	39.5	29.7	--	34.6	--	99	101	--	9/21	1.0	27
KRUGER	K-379RR/SCN*	40.6	26.0	22.6	33.3	29.7	101	88	101	9/22	1.0	30
KRUGER	K-380RR/SCN*	40.9	24.6	25.6	32.7	30.3	102	84	114	9/22	1.0	31
KRUGER	K-389RR/SCN*	44.3	--	--	--	--	111	--	--	9/24	1.0	27
KRUGER	K-393RR/SCN*	39.9	28.6	--	34.2	--	100	97	--	9/22	1.0	31
KRUGER	K-404RR*	40.4	30.7	--	35.5	--	101	105	--	9/24	1.0	25
KRUGER	K-434RR/SCN*	36.6	--	--	--	--	91	--	--	9/27	1.0	32
LEWIS	3853*	44.5	--	--	--	--	111	--	--	9/22	1.0	28
LEWIS	3875*	40.7	30.6	--	35.6	--	102	104	--	9/23	1.0	28
LEWIS	4010*	35.7	--	--	--	--	89	--	--	9/26	1.0	30
MIDLAND	9A355XRR*	40.9	--	--	--	--	102	--	--	9/22	1.0	29
MIDLAND	9A373NRR*	42.4	27.4	--	34.9	--	106	93	--	9/21	1.0	29
MIDLAND	9A375XRR*	38.5	--	--	--	--	96	--	--	9/22	1.0	28
MIDLAND	9A385NRS*	43.4	--	--	--	--	108	--	--	9/22	1.0	28
MIDLAND	9A402NRR*	36.6	--	--	--	--	91	--	--	9/26	1.0	28
MIDLAND	9B395NRR*	34.6	--	--	--	--	87	--	--	9/27	1.0	29
NK	S35-F9*	40.9	--	--	--	--	102	--	--	9/21	1.0	25
NK	S37-N4*	36.6	30.6	24.0	33.6	30.4	92	104	107	9/23	1.0	33
NK	S39-K6*	37.6	31.0	23.8	34.3	30.8	94	105	106	9/23	1.0	31
NK	S40-R9*	38.5	30.1	30.7	34.3	33.1	96	102	137	9/24	1.0	33
OHLDE	O-3882NRR*	39.8	--	--	--	--	99	--	--	9/22	1.0	28
OHLDE	X3334NRR*	40.8	--	--	--	--	102	--	--	9/20	1.0	30

**Table 2. Centralia, Nemaha Co. Roundup®-resistant Soybean Performance Test, 2002-2004 - continued.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
OHLDE	X3727NRS*	43.3	--	--	--	--	108	--	--	9/22	1.0	28
PIONEER	93B85*	37.5	37.7	22.0	37.6	32.4	94	128	98	9/22	1.0	30
PIONEER	93M50*	42.2	--	--	--	--	105	--	--	9/21	1.0	31
PIONEER	93M92*	42.9	--	--	--	--	107	--	--	9/24	1.0	28
PRAIRIE BRAND	PB-3894NRR*	44.9	--	--	--	--	112	--	--	9/23	1.0	28
PRAIRIE BRAND	PB-4583NRR*	35.2	--	--	--	--	88	--	--	9/26	1.0	28
RENZE	R3595RCX*	41.1	--	--	--	--	103	--	--	9/21	1.0	29
RENZE	R3684Rcn*	40.2	29.6	--	34.9	--	101	101	--	9/21	1.0	30
RENZE	R3814RR*	43.2	32.2	--	37.7	--	108	109	--	9/24	1.0	25
RENZE	R3835SRcn*	43.5	--	--	--	--	109	--	--	9/22	1.0	29
RENZE	R3994Rcn*	39.8	29.9	--	34.9	--	99	102	--	9/22	1.0	28
RENZE	R4095Rcn*	37.2	--	--	--	--	93	--	--	9/24	1.0	27
RENZE	R4385Rcn*	37.5	--	--	--	--	94	--	--	9/26	1.0	30
STINE	S3532-4*	39.1	29.5	--	34.3	--	98	101	--	9/21	1.0	27
STINE	S3832-4*	36.9	--	--	--	--	92	--	--	9/22	1.0	27
STINE	S3932-4*	38.7	33.7	--	36.2	--	97	115	--	9/22	1.0	28
STINE	S4102-4*	35.2	30.8	25.7	33.0	30.6	88	105	115	9/24	1.0	28
TAYLOR	374RR*	41.3	30.3	23.8	35.8	31.8	103	103	106	9/21	1.0	28
TAYLOR	387RR*	41.3	34.8	--	38.0	--	103	118	--	9/24	1.0	25
TAYLOR	EXP3530RR*	39.5	--	--	--	--	99	--	--	9/23	1.0	28
TAYLOR	EXP3980RRS*	43.4	--	--	--	--	109	--	--	9/23	1.0	29
WILLCROSS	RR2335N*	43.4	--	--	--	--	108	--	--	9/20	1.0	29
WILLCROSS	RR2354N*	39.7	29.3	--	34.5	--	99	100	--	9/21	1.0	26
WILLCROSS	RR2355N*	39.0	--	--	--	--	97	--	--	9/22	1.0	30
WILLCROSS	RR2362*	38.9	30.5	--	34.7	--	97	104	--	9/23	1.0	26
WILLCROSS	RR2385N*	42.7	--	--	--	--	107	--	--	9/23	1.0	29
AVERAGES		40.0	29.4	22.4								
CV (%)		5.6	10.0	14.2								
LSD (0.10)		2.6	4.0	4.3								

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

Eudora silt loam, pH 7, 1.9% OM; P test: M, K test: M  
11-40-0 lbs N-P-K fertilizer

Excellent growing conditions early in the season, with planting completed as scheduled. Above-average rainfall and below-average air temperatures throughout most of the growing season resulted in limited periods of moisture stress and the scheduling of only a single irrigation.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	0.6	4.7	5.5	5.9	7.0	0.9	24.6
Irrigation:					1.0		1.0

Planted 5/6/2004 at 8 seeds/ft; harvested 10/20/2004; 27.5 ft. by 2-row plot; pesticides: 1.3 pt. Dual Magnum + 6 oz. Canopy XL, 1.5 pt. Roundup Ultra

**Table 3. Topeka, Shawnee Co. Irrigated Roundup®-resistant Soybean Performance Test, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3722NRR*	50.8	--	--	--	--	88	--	--	9/16	1.7	36
ADVANCED GENETICS	AG4444NRR*	64.8	--	--	--	--	112	--	--	9/26	2.3	43
ASGROW	AG3602*	65.0	--	--	--	--	113	--	--	9/15	1.7	37
ASGROW	AG3802*	51.3	--	--	--	--	89	--	--	9/15	1.3	42
ASGROW	AG3905*	55.6	50.1	--	52.8	--	96	101	--	9/21	1.3	38
ASGROW	AG3906*	50.7	--	--	--	--	88	--	--	9/18	1.7	33
ASGROW	AG4102*	52.8	--	--	--	--	91	--	--	9/20	2.0	39
ASGROW	AG4403*	62.5	49.4	54.9	55.9	55.6	108	99	101	9/27	2.0	41
ASGROW	AG4502*	61.3	62.0	--	61.7	--	106	125	--	9/23	2.0	38
CROPLAN GENETICS	RC3732*	59.3	53.5	--	56.4	--	103	108	--	9/17	1.3	36
CROPLAN GENETICS	RC4013*	57.6	--	--	--	--	100	--	--	9/19	2.0	35
CROPLAN GENETICS	RC4233*	67.6	--	--	--	--	117	--	--	9/24	2.0	41
DEKALB	DKB36-52*	69.2	--	--	--	--	120	--	--	9/16	2.0	37
DEKALB	DKB37-51*	54.6	50.9	--	52.8	--	95	102	--	9/13	1.7	36
DEKALB	DKB38-52*	55.9	51.7	55.9	53.8	54.5	97	104	103	9/18	1.0	34
DEKALB	DKB40-51*	49.7	--	--	--	--	86	--	--	9/21	1.0	37
DEKALB	DKB44-51*	71.6	49.5	--	60.6	--	124	99	--	9/24	1.7	38
GARST	3624RR/N*	66.1	--	--	--	--	115	--	--	9/16	2.0	37

**Table 3. Topeka, Shawnee Co. Irrigated Roundup®-resistant Soybean Performance Test, 2002-2004 - continued.**

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
GARST	3712RR/N*	57.4	51.6	57.8	54.5	55.6	100	104	106	9/16	1.7	35
GARST	3824RR/N*	47.3	47.4	--	47.4	--	82	95	--	9/17	1.3	34
HAMON	3704NRR*	59.3	--	--	--	--	103	--	--	9/18	1.7	39
KANSAS AES	KS4404RR*	59.8	38.5	46.0	49.1	48.1	104	77	85	9/27	2.0	38
KANSAS AES	KS4704RR*	71.5	31.3	--	51.4	--	124	63	--	9/28	2.0	35
KRUGER	K-328RR*	46.1	--	--	--	--	80	--	--	9/7	1.7	36
KRUGER	K-346RR/SCN*	42.2	--	--	--	--	73	--	--	9/13	1.3	37
KRUGER	K-349RR*	43.3	46.3	--	44.8	--	75	93	--	9/9	1.3	33
KRUGER	K-355RR/SCN*	60.9	61.7	--	61.3	--	106	124	--	9/13	1.3	35
KRUGER	K-379RR/SCN*	51.1	55.7	49.7	53.4	52.2	89	112	92	9/19	1.7	33
KRUGER	K-380RR/SCN*	55.2	57.2	52.1	56.2	54.9	96	115	96	9/17	1.7	38
KRUGER	K-389RR/SCN*	57.7	--	--	--	--	100	--	--	9/19	1.3	33
KRUGER	K-393RR/SCN*	58.2	51.0	--	54.6	--	101	103	--	9/19	1.7	37
KRUGER	K-404RR*	61.8	50.8	--	56.3	--	107	102	--	9/21	1.0	32
KRUGER	K-434RR/SCN*	68.0	--	--	--	--	118	--	--	9/26	1.7	36
LEWIS	4010*	66.7	--	--	--	--	116	--	--	9/21	1.7	37
MIDLAND	9A355XRR*	47.6	--	--	--	--	83	--	--	9/18	1.3	34
MIDLAND	9A373NRR*	46.7	53.4	--	50.0	--	81	107	--	9/16	1.0	32
MIDLAND	9A375XRR*	58.4	--	--	--	--	101	--	--	9/18	1.7	35
MIDLAND	9A385NRS*	56.7	--	--	--	--	98	--	--	9/17	1.3	34
MIDLAND	9B395NRR*	56.7	--	--	--	--	98	--	--	9/25	2.0	39
MIDLAND	9B445NRS*	56.6	--	--	--	--	98	--	--	9/21	1.0	33
MIDLAND-PHILLIPS	9A415NRR*	45.5	--	--	--	--	79	--	--	9/19	1.7	41
MIDLAND-PHILLIPS	9A465NRR*	44.3	--	--	--	--	77	--	--	9/14	1.3	32
MIDLAND-PHILLIPS	9B345NRR*	48.9	--	--	--	--	85	--	--	9/12	1.3	34
MIDLAND-PHILLIPS	9B404NRR*	66.1	--	--	--	--	114	--	--	9/18	1.7	36
NK	S39-K6*	47.5	47.8	--	47.6	--	82	96	--	9/16	1.7	38
NK	S40-R9*	51.0	51.5	57.9	51.2	53.5	88	104	107	9/19	2.0	40
NK	S42-P7*	59.0	47.9	--	53.5	--	102	96	--	9/20	1.3	34
OHLDE	O-3522NRR*	52.9	--	--	--	--	92	--	--	9/16	1.0	34
OHLDE	O-3882NRR*	53.4	--	--	--	--	93	--	--	9/19	1.3	34
OHLDE	X3727NRS*	59.1	--	--	--	--	102	--	--	9/16	1.3	34
PIONEER	93B85*	57.1	48.4	63.8	52.7	56.4	99	97	117	9/14	1.7	37
PIONEER	93M92*	63.2	--	--	--	--	109	--	--	9/17	1.3	36
PIONEER	94B73*	72.2	--	--	--	--	125	--	--	9/26	2.0	42
PRAIRIE BRAND	PB-3894NRR*	55.8	--	--	--	--	97	--	--	9/17	1.3	31
PRAIRIE BRAND	PB-4583NRR*	67.1	--	--	--	--	116	--	--	9/24	1.0	34
RAINBOW	4430NRS*	51.5	--	--	--	--	89	--	--	9/20	1.7	34
RENZE	R3595RCX*	51.3	--	--	--	--	89	--	--	9/17	1.3	35
RENZE	R3835SRcn*	58.8	--	--	--	--	102	--	--	9/17	1.7	34
RENZE	R3994Rcn*	54.1	53.7	--	53.9	--	94	108	--	9/19	2.3	37
RENZE	R4095Rcn*	59.7	--	--	--	--	103	--	--	9/19	1.3	34
RENZE	R4385Rcn*	58.0	--	--	--	--	100	--	--	9/26	1.0	33
RENZE	R4695Rcn*	67.6	--	--	--	--	117	--	--	9/23	1.3	33
STINE	S3532-4*	58.1	54.8	--	56.5	--	101	110	--	9/13	1.7	33
STINE	S3600-4*	54.4	--	--	--	--	94	--	--	9/19	1.3	33
STINE	S3832-4*	52.9	51.6	--	52.3	--	92	104	--	9/18	2.0	36
STINE	S3932-4*	60.7	53.4	--	57.0	--	105	107	--	9/22	2.0	36
STINE	S4102-4*	69.7	50.9	63.8	60.3	61.5	121	102	118	9/22	1.7	34
TAYLOR	374RR*	58.4	--	--	--	--	101	--	--	9/15	1.7	36
TAYLOR	387RR*	66.8	48.7	--	57.7	--	116	98	--	9/21	1.7	33
TAYLOR	EXP3530RR*	60.5	--	--	--	--	105	--	--	9/16	1.3	36
TAYLOR	EXP3980RRS*	61.3	--	--	--	--	106	--	--	9/17	1.0	32
WILLCROSS	RR2383N*	67.0	54.6	59.9	60.8	60.5	116	110	110	9/19	2.3	33
WILLCROSS	RR2392N*	56.3	47.9	--	52.1	--	98	96	--	9/20	1.3	34
WILLCROSS	RR2393N*	52.7	53.9	--	53.3	--	91	108	--	9/19	1.7	34
WILLCROSS	RR2432N*	71.4	46.6	--	59.0	--	124	94	--	9/28	2.3	42
AVERAGES		57.7	49.7	54.3								
CV (%)		15.0	12.6	9.6								
LSD (0.10)		11.7	8.5	7.1								

**East Central KS Experiment Field, Ottawa, Franklin County; James Kimball, agronomist, 785-242-2330**

Woodson silt loam, pH na, % OM na; P test: na, K test: na Outstanding growing conditions prevailed, especially for maturity-group-III and early-group-IV varieties.  
0-0-0 lbs N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 2.3 6.2 6.3 7.4 4.5 1.3 28.0

Planted 6/1/2004 at 8 seeds/ft; harvested 10/25/2005; 32 ft. by 2-row plot; pesticides: 20 oz. Roundup Weather Max

**Table 4. Ottawa, Franklin Co. Roundup®-resistant Soybean Performance Test, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3722NRR*	61.7	--	--	--	--	102	--	--	9/25	1.0	31
ADVANCED GENETICS	AG4444NRR*	61.4	28.7	14.8	45.0	34.9	102	122	105	10/2	1.0	36
ADVANCED GENETICS	AG4677NRS*	54.2	29.6	--	41.9	--	90	126	--	10/3	1.5	38
ADVANCED GENETICS	AG4880NRS*	59.8	--	--	--	--	99	--	--	10/6	1.0	35
ADVANCED GENETICS	AG5012NRR*	51.8	31.2	16.8	41.5	33.3	86	133	119	10/9	1.0	45
ADVANCED GENETICS	AG5333NRR*	50.6	35.2	12.5	42.9	32.8	84	150	89	10/22	1.1	40
ADVANCED GENETICS	AG5424NRR*	46.9	31.2	10.0	39.0	29.4	78	133	71	10/22	1.0	43
ASGROW	AG3802*	61.2	--	--	--	--	101	--	--	9/28	1.3	38
ASGROW	AG3905*	60.8	23.1	--	41.9	--	101	98	--	10/1	1.0	33
ASGROW	AG3906*	61.0	--	--	--	--	101	--	--	9/30	1.0	29
ASGROW	AG4102*	61.1	--	--	--	--	101	--	--	9/30	1.0	35
ASGROW	AG4403*	64.0	29.1	16.9	46.5	36.7	106	124	120	10/2	1.0	36
ASGROW	AG4502*	59.5	28.2	--	43.9	--	99	120	--	10/4	1.0	34
ASGROW	AG4603*	60.2	26.8	15.2	43.5	34.1	100	114	108	10/6	1.5	33
CROPLAN GENETICS	RC3732*	65.5	22.7	--	44.1	--	109	97	--	9/26	1.0	32
CROPLAN GENETICS	RC4013*	60.5	--	--	--	--	100	--	--	9/29	1.0	32
CROPLAN GENETICS	RC4233*	61.2	--	--	--	--	101	--	--	10/2	1.0	33
CROPLAN GENETICS	RC4444*	60.7	--	15.5	--	--	101	--	110	10/2	1.0	36
DEKALB	DKB37-51*	60.1	--	--	--	--	100	--	--	9/26	1.0	32
DEKALB	DKB38-52*	64.1	21.7	8.9	42.9	31.5	106	93	63	9/26	1.0	32
DEKALB	DKB40-51*	58.7	25.1	--	41.9	--	97	107	--	9/29	1.0	33
DEKALB	DKB44-51*	61.3	26.9	--	44.1	--	102	115	--	10/2	1.0	34
DEKALB	DKB46-51*	59.8	30.6	--	45.2	--	99	130	--	10/6	1.8	37
DYNA-GRO	DG 32C38*	64.9	--	--	--	--	108	--	--	9/26	1.0	29
DYNA-GRO	DG 3443NRR*	60.1	26.4	16.4	43.2	34.3	100	112	116	10/3	1.0	35
DYNA-GRO	DG 35B40*	56.1	--	--	--	--	93	--	--	10/2	1.0	33
DYNA-GRO	DG 36K40*	55.6	--	--	--	--	92	--	--	9/23	1.0	31
DYNA-GRO	DG 37N43*	59.2	--	--	--	--	98	--	--	10/2	1.0	32
DYNA-GRO	DG 38T47*	58.5	--	--	--	--	97	--	--	10/7	1.8	37
DYNA-GRO	DG-33A37*	64.4	20.9	--	42.6	--	107	89	--	9/26	1.0	31
DYNA-GRO	SXO4237*	56.4	--	--	--	--	93	--	--	9/27	1.0	32
DYNA-GRO	SXO4246*	57.0	--	--	--	--	94	--	--	10/5	1.3	39
GARST	3624RR/N*	63.6	--	--	--	--	105	--	--	9/26	1.0	31
GARST	3712RR/N*	61.9	24.8	--	43.4	--	103	106	--	9/27	1.0	28
GARST	3812RR/N*	62.2	21.7	16.4	42.0	33.4	103	93	117	9/28	1.3	35
GARST	4212RR/STS/N*	64.1	--	--	--	--	106	--	--	10/3	1.0	31
GARST	4512RR/N*	61.8	28.3	12.5	45.1	34.2	102	121	89	10/2	1.0	35
KANSAS AES	KS4404RR*	57.1	28.3	15.3	42.7	33.6	95	121	108	10/5	1.5	34
KANSAS AES	KS4704RR*	57.6	26.7	--	42.2	--	95	114	--	10/3	1.0	31
KRUGER	K-328RR*	59.0	--	--	--	--	98	--	--	9/20	1.0	33
KRUGER	K-346RR/SCN*	60.9	--	--	--	--	101	--	--	9/22	1.0	32
KRUGER	K-349RR*	59.8	15.7	--	37.7	--	99	67	--	9/21	1.0	30
KRUGER	K-355RR/SCN*	64.2	18.3	--	41.3	--	106	78	--	9/22	1.0	31
KRUGER	K-379RR/SCN*	62.9	20.1	15.7	41.5	32.9	104	86	111	9/26	1.0	32
KRUGER	K-380RR/SCN*	64.1	21.1	10.4	42.6	31.9	106	90	74	9/26	1.0	34
KRUGER	K-389RR/SCN*	64.2	--	--	--	--	106	--	--	9/27	1.0	29
KRUGER	K-393RR/SCN*	65.7	21.4	--	43.5	--	109	91	--	9/29	1.0	32
KRUGER	K-404RR*	62.5	26.6	--	44.6	--	104	113	--	9/28	1.0	28
KRUGER	K-434RR/SCN*	55.2	--	--	--	--	91	--	--	10/2	1.0	33
MFA MORSOY	RT 4334N*	56.5	--	--	--	--	94	--	--	10/2	1.0	33
MFA MORSOY	RT 4731N*	62.0	27.9	18.3	44.9	36.0	103	119	130	10/6	1.5	38
MFA MORSOY	RT 4993N*	57.9	--	--	--	--	96	--	--	10/3	2.0	35
MFA MORSOY	RTS 4824*	61.7	--	--	--	--	102	--	--	10/5	1.0	36
MIDLAND	9A385NRS*	62.9	--	--	--	--	104	--	--	9/26	1.0	31



**Table 4. Ottawa, Franklin Co. Roundup®-resistant Soybean Performance Test, 2002-2004 - continued.**

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
MIDLAND	9A402NRR*	58.1	--	--	--	--	96	--	--	10/3	1.0	29
MIDLAND	9A432NRS*	64.8	26.9	17.6	45.8	36.4	107	115	125	10/3	1.0	35
MIDLAND	9A455NRR*	57.1	--	--	--	--	95	--	--	10/1	2.0	40
MIDLAND	9A485XRR*	53.7	--	--	--	--	89	--	--	10/5	1.3	39
MIDLAND	9B445NRS*	61.3	--	--	--	--	101	--	--	10/4	1.0	31
MIDLAND	9B485XRR*	55.7	--	--	--	--	92	--	--	10/5	1.0	36
M-PRIDE	MPB3805NRR*	67.0	--	--	--	--	111	--	--	9/26	1.0	30
M-PRIDE	MPV3903NRR*	64.7	23.1	--	43.9	--	107	99	--	9/26	1.0	35
M-PRIDE	MPV3905NRR*	58.4	--	--	--	--	97	--	--	9/25	1.0	38
M-PRIDE	MPV4305NRR*	55.7	--	--	--	--	92	--	--	10/3	1.0	34
NK	S39-K6*	62.8	22.7	--	42.8	--	104	97	--	9/26	1.0	32
NK	S40-R9*	62.9	25.9	17.1	44.4	35.3	104	110	122	9/29	1.5	37
NK	S46-W8*	58.7	25.2	18.2	41.9	34.0	97	107	130	10/4	1.8	40
NK	S49-Q9*	59.0	--	--	--	--	98	--	--	10/6	1.0	37
OHLDE	O-3712NRR*	63.3	--	--	--	--	105	--	--	9/26	1.0	37
OHLDE	O-4202NRR*	54.2	--	--	--	--	90	--	--	10/6	2.0	39
OHLDE	X3932NRR*	57.8	--	--	--	--	96	--	--	9/28	1.0	39
PIONEER	93M50*	61.0	--	--	--	--	101	--	--	9/21	1.0	36
PIONEER	93M92*	63.8	--	--	--	--	106	--	--	9/25	1.0	31
PIONEER	94B73*	66.9	--	--	--	--	111	--	--	10/5	1.0	36
RENZE	R3835SRcn*	66.2	--	--	--	--	110	--	--	9/27	1.0	30
RENZE	R3994Rcn*	62.2	21.9	--	42.1	--	103	93	--	9/28	1.0	33
RENZE	R4095Rcn*	62.1	--	--	--	--	103	--	--	9/30	1.0	28
RENZE	R4385Rcn*	55.7	--	--	--	--	92	--	--	10/3	1.0	34
RENZE	R4695Rcn*	62.3	--	--	--	--	103	--	--	10/4	1.0	29
STINE	S3932-4*	62.9	--	--	--	--	104	--	--	9/29	1.0	33
STINE	S4542-4*	57.9	27.4	--	42.7	--	96	117	--	10/4	1.3	36
TAYLOR	427RR*	62.7	27.4	--	45.1	--	104	117	--	10/3	1.0	35
TAYLOR	EXP4280RR*	57.6	--	--	--	--	95	--	--	10/2	1.0	33
TAYLOR	EXP4550RR*	62.3	--	--	--	--	103	--	--	9/30	1.8	35
WILLCROSS	RR2383N*	62.4	23.5	--	42.9	--	103	100	--	9/28	1.0	27
WILLCROSS	RR2392N*	64.6	22.8	--	43.7	--	107	97	--	9/27	1.0	33
WILLCROSS	RR2393N*	64.4	19.6	--	42.0	--	107	83	--	9/26	1.0	34
WILLCROSS	RR2432N*	62.3	28.3	--	45.3	--	103	121	--	10/4	1.0	37
WILLCROSS	RR2445N*	57.6	--	--	--	--	95	--	--	10/2	1.3	35
WILLCROSS	RR2473NSTS*	56.6	27.8	15.8	42.2	33.4	94	118	113	10/5	2.0	40
WILLCROSS	RR2484N*	61.2	--	--	--	--	101	--	--	10/6	1.5	37
AVERAGES		60.4	23.5	14.1								
CV (%)		4.8	8.7	13.2								
LSD (0.10)		3.4	2.8	2.5								

**Private farm, Columbus, Cherokee County; James Long, agronomist, 620-421-4826**

Silt loam, pH 7.2, 2.1% OM; P test: M, K test: L

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

April May June July Aug. Sept. Total

Rainfall: 4.3 4.1 4.9 0.0 1.1 1.7 16.1

Excellent growing conditions early in the season, but planting was delayed because of excessive moisture. Below-average rainfall in July limited plant growth. Air temperatures tended to be below average throughout the growing season, but dry conditions the later part of August and into September reduced seed yields.

Planted 6/25/2004 at 7 seeds/ft; harvested 11/8/2004; 14 ft. by 2-row plot; pesticides: 1 pt Dual and 3 oz/a Authority

**Table 5. Columbus, Cherokee Co. Soybean Performance Test on Cyst Nematode-infested Soil, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
GARST	4512RR/N*	21.7	--	--	--	--	87	--	--	10/14	1.0	24
GARST	4612RR/N*	22.8	--	--	--	--	92	--	--	10/14	1.0	21
GARST	5012RR/N*	28.2	--	--	--	--	114	--	--	10/25	1.0	26
GARST	5412RR/STS/N*	26.4	31.5	--	28.9	--	106	114	--	10/27	1.0	25
GARST	D484RR/N*	26.3	26.3	--	26.3	--	106	95	--	10/16	1.0	27
KANSAS AES	KS5004N	29.4	32.2	16.9	30.8	26.2	118	117	127	10/22	1.0	25
KSOY	KS4602N	21.1	20.3	14.4	20.7	18.6	85	73	109	10/13	1.0	23
KSOY	KS5502N	24.8	35.6	14.9	30.2	25.1	100	129	112	10/22	1.0	25
MARYLAND AES	MANOKIN	29.0	33.3	17.5	31.2	26.6	117	121	132	10/26	1.0	27
MIDLAND	9A485XRR*	21.5	--	--	--	--	87	--	--	10/14	1.0	26
MIDLAND	9B485XRR*	21.9	--	--	--	--	88	--	--	10/14	1.0	26
MIDLAND	9G485X	24.7	--	--	--	--	99	--	--	10/14	1.0	26
PIONEER	94M90*	24.8	--	--	--	--	100	--	--	10/16	1.0	26
PIONEER	95B42*	26.3	29.7	14.9	28.0	23.6	106	108	112	10/30	1.0	28
PIONEER	95B53*	26.2	34.4	15.7	30.3	25.4	106	125	118	10/24	1.0	25
STINE	S4542-4*	22.4	--	--	--	--	90	--	--	10/18	1.0	25
STINE	S4842-4*	26.8	--	--	--	--	108	--	--	10/16	1.0	26
VIRGINIA AES	HUTCHESON	22.5	28.6	16.5	25.6	22.6	91	104	125	10/30	1.0	25
AVERAGES		24.8	27.6	13.3								
CV (%)		11.1	8.8	17.5								
LSD (0.10)		3.3	2.6	3.3								

**Southeast Agricultural Res-Ext Center, Pittsburg, Crawford County; James Long, agronomist, 620-421-4826**

Parsons silt loam, pH 6.6, 2.1% OM; P test: M, K test: M

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

April May June July Aug. Sept. Total

Rainfall: 5.6 3.6 5.4 0.0 1.2 2.8 18.6

Excellent growing conditions early in the season, but no rainfall in July. Air temperature was below normal throughout the growing season, with limited, but timely, rains in August and September.

Planted 6/2/2004 at 7 seeds/ft; harvested 10/4/2004; 14 ft. by 2-row plot; pesticides: 1 pt. Dual pre-emerge, then 22 oz/a Roundup Ultra Max Post emergence

**Table 6. Pittsburg, Crawford Co. Roundup®-resistant Soybean Performance Test, Maturity Group IV, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4677NRS*	48.4	21.9	--	35.1	--	98	97	--	9/24	1.0	39
ASGROW	AG4403*	51.7	23.8	19.6	37.8	31.7	104	106	92	9/24	1.0	36
ASGROW	AG4502*	48.7	18.3	--	33.5	--	98	81	--	9/23	1.0	32
ASGROW	AG4603*	50.1	24.8	22.5	37.4	32.4	101	110	106	9/26	1.0	34
DEKALB	DKB44-51*	49.8	22.2	20.4	36.0	30.8	100	98	96	9/24	1.0	35
DEKALB	DKB46-51*	51.7	23.5	--	37.6	--	104	104	--	9/25	1.0	37
DELTAPINE	DP3861RR*	46.7	18.9	21.2	32.8	28.9	94	84	100	9/19	1.0	32
DELTAPINE	DP4331RR*	50.9	23.4	--	37.1	--	103	104	--	9/24	1.0	37
DELTAPINE	DP4546RR*	44.2	--	--	--	--	89	--	--	9/26	1.0	39
DELTAPINE	DPX3950RR*	52.6	--	--	--	--	106	--	--	9/21	1.0	31
DYNA-GRO	SXO4246*	53.4	--	--	--	--	108	--	--	9/25	1.0	38
KANSAS AES	KS4404RR*	47.0	28.8	21.9	37.9	32.6	95	128	103	9/25	1.0	32
KANSAS AES	KS4704RR*	48.4	27.3	--	37.9	--	98	121	--	9/24	1.0	32
MIDLAND	9A455NRR*	48.7	--	--	--	--	98	--	--	9/24	1.0	39
NK	S46-W8*	46.2	24.6	21.3	35.4	30.7	93	109	101	9/27	1.0	39
PRAIRIE BRAND	PB-4583NRR*	52.9	--	--	--	--	107	--	--	9/23	1.0	31
STINE	S4542-4*	51.2	27.1	--	39.1	--	103	120	--	9/24	1.0	38
AVERAGES		49.6	22.5	21.2								
CV (%)		5.0	10.4	9.0								
LSD (0.10)		2.9	2.8	2.3								

**Southeast Agricultural Res-Ext Center, Pittsburg, Crawford County; James Long, agronomist, 620-421-4826**

Parsons silt loam, pH 6.6, 2.1% OM; P test: M, K test: L  
0-0-0 lbs N-P-K fertilizer

Excellent growing conditions early in the season, but no rainfall in July. Air temperature was below normal throughout the growing season, with limited, but timely, rains in August and September.

April May June July Aug. Sept. Total

Rainfall: 5.6 3.6 5.4 0.0 1.2 2.8 18.6

Planted 6/2/2004 at 7 seeds/ft; harvested 11/9/2004; 14 ft. by 2-row plot; pesticides: 1 pt. Dual pre-emerge, then 22 oz/a Roundup Ultra Max Post emergence

**Table 7. Pittsburg, Crawford Co. Roundup®-resistant Soybean Performance Test, Maturity Group V, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4880NRS*	52.6	--	--	--	--	112	--	--	9/25	1.5	35
ADVANCED GENETICS	AG5012NRR*	47.2	36.7	15.9	42.0	33.3	101	102	96	10/1	1.3	39
ADVANCED GENETICS	AG5333NRR*	48.8	40.4	17.2	44.6	35.4	104	112	103	10/14	1.3	35
ADVANCED GENETICS	AG5424NRR*	44.3	38.6	14.0	41.5	32.3	95	108	84	10/14	1.3	37
ASGROW	AG4801*	50.0	--	--	--	--	107	--	--	9/25	1.0	35
ASGROW	AG4903*	49.0	--	--	--	--	105	--	--	9/27	1.8	37
ASGROW	AG5301*	44.7	40.5	20.1	42.6	35.1	96	113	121	10/11	2.0	36
ASGROW	AG5501*	41.4	41.3	19.3	41.3	34.0	88	115	116	10/13	1.3	38
ASGROW	AG5603*	47.2	--	18.1	--	--	101	--	109	10/14	1.3	35
ASGROW	AG5605*	48.1	40.7	--	44.4	--	103	113	--	10/14	1.8	36
CROPLAN GENETICS	RC4842*	49.4	--	--	--	--	106	--	--	9/26	1.3	36
CROPLAN GENETICS	RC5332*	41.3	33.8	--	37.6	--	88	94	--	10/12	1.8	39
CROPLAN GENETICS	RC5555*	40.2	--	--	--	--	86	--	--	10/14	2.0	37
DEKALB	DKB54-52*	43.9	--	--	--	--	94	--	--	10/14	1.5	39
DELTAPINE	DPX4891RR*	49.0	--	--	--	--	105	--	--	9/25	1.5	36
DYNA-GRO	DG 36M49*	49.8	--	--	--	--	106	--	--	9/24	1.3	37
DYNA-GRO	DG 38T47*	50.2	--	--	--	--	107	--	--	9/25	1.5	36
DYNA-GRO	SXO4453*	47.4	--	--	--	--	101	--	--	10/11	2.0	35
GARST	5212RR/N*	42.7	--	--	--	--	91	--	--	10/14	1.5	37
GARST	5412RR/STS/N*	46.6	--	--	--	--	100	--	--	10/10	1.8	39
GARST	D484RR/N*	49.7	31.5	17.7	40.6	33.0	106	88	107	9/27	1.5	37
KANSAS AES	K1603RR*	45.1	32.4	--	38.8	--	96	90	--	9/29	1.3	34
KANSAS AES	K1633RR*	47.8	--	--	--	--	102	--	--	9/28	1.0	33
KANSAS AES	K1637RR*	49.0	--	--	--	--	105	--	--	10/9	1.0	34
MFA MORSOY	RT 4731N*	50.1	31.9	17.8	41.0	33.3	107	89	107	9/25	1.3	36
MFA MORSOY	RT 4993N*	47.8	32.6	--	40.2	--	102	91	--	9/27	1.8	33
MFA MORSOY	RT 5043N*	47.3	--	--	--	--	101	--	--	9/26	2.0	35
MFA MORSOY	RT 5110N*	44.5	--	23.0	--	--	95	--	139	10/14	1.3	36
MFA MORSOY	RT 5154N*	50.7	--	--	--	--	108	--	--	9/30	1.0	38
MFA MORSOY	RTS 4824*	51.2	--	--	--	--	110	--	--	9/25	1.0	36
MIDLAND	9A485XRR*	47.9	--	--	--	--	103	--	--	9/25	1.8	38
MIDLAND	9A494XRR*	47.7	--	--	--	--	102	--	--	9/29	1.0	34
MIDLAND	9A545NRS*	45.4	--	--	--	--	97	--	--	10/12	1.3	37
MIDLAND	9A564NRS*	45.6	40.6	--	43.1	--	98	113	--	10/7	1.5	36
MIDLAND	9B485XRR*	44.7	--	--	--	--	96	--	--	9/26	1.3	37
M-PRIDE	MPV4705NRR*	46.6	--	--	--	--	100	--	--	9/26	1.5	35
M-PRIDE	MPV4805NRR*	49.9	--	--	--	--	107	--	--	9/24	1.5	35
M-PRIDE	MPV4904NRR*	45.0	40.3	--	42.7	--	96	112	--	9/30	1.3	37
M-PRIDE	MPV4905NRR*	46.5	--	--	--	--	99	--	--	9/27	1.3	34
M-PRIDE	MPV5504NRR*	47.8	42.6	18.1	45.2	36.1	102	119	109	10/14	1.5	33
M-PRIDE	MPV5505NRR*	49.2	--	--	--	--	105	--	--	10/14	1.3	36
NK	S49-Q9*	50.9	--	--	--	--	109	--	--	9/27	1.3	37
NK	S52-U3*	41.9	44.6	18.2	43.3	34.9	90	124	109	10/12	2.3	37
NK	S57-P1*	40.4	45.2	--	42.8	--	86	126	--	10/14	2.5	39
PIONEER	94M90*	45.8	--	--	--	--	98	--	--	9/26	1.3	36
PIONEER	95B42*	42.9	42.6	14.7	42.7	33.4	92	118	89	10/11	2.3	37
PIONEER	95B53*	41.4	45.8	20.8	43.6	36.0	89	127	125	10/12	2.0	36
PRAIRIE BRAND	PB-5083NRR*	47.6	--	--	--	--	102	--	--	9/25	2.3	35
STINE	S4842-4*	46.9	--	--	--	--	100	--	--	9/24	2.0	38
TAYLOR	EXP4870RRS*	50.2	--	--	--	--	107	--	--	9/27	1.5	37
WILLCROSS	EE2495N*	43.7	--	--	--	--	93	--	--	9/29	1.3	36
WILLCROSS	RR2484N*	50.2	--	--	--	--	107	--	--	9/26	1.0	36
WILLCROSS	RR2494N*	48.2	30.7	--	39.4	--	103	85	--	9/26	1.5	36

**Table 7. Pittsburg, Crawford Co. Roundup®-resistant Soybean Performance Test, Maturity Group V, 2002-2004 - continued.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
WILLCROSS	RR2525N*	45.1	--	--	--	--	96	--	--	9/25	1.3	33
WILLCROSS	RR2542N*	47.3	37.3	16.9	42.3	33.8	101	104	102	10/12	1.0	33
WILLCROSS	RR2544NSTS	45.7	--	--	--	--	98	--	--	10/14	1.5	37
WILLCROSS	RR2549N*	43.8	39.7	--	41.7	--	94	110	--	10/10	1.5	39
AVERAGES		46.8	35.9	16.6								
CV (%)		5.3	8.6	12.3								
LSD (0.10)		2.9	3.6	2.4								

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

Crete silt loam, pH 6.2, 2.5% OM; P test: M, K test: VH  
0-0-0 lbs N-P-K fertilizer

Excellent growing conditions prevailed early in the season, but limited rainfall occurred during seed-fill in August and early September. A hard freeze on September 19, 2004, disrupted seed-fill and the maturation process, especially for the later-maturing entries.

Rainfall: April May June July Aug. Sept. Total  
1.4 5.2 4.5 3.5 0.8 1.9 17.3

Planted 5/28/2004 at 10 seeds/ft; harvested 10/14/2004; 25 ft. by 2-row plot; pesticides: 1.5 pt. Dual at planting, 32 oz. Roundup Ultra postemergence

**Table 8. Belleville, Republic Co. Roundup®-resistant Soybean Performance Test, 2001-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2001	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2001	Mat	Lodge score	Ht (in)
CROPLAN GENETICS	RC4842*	33.0	--	--	--	--	88	--	--	10/1	1.0	28
DYNA-GRO	DG 31T31*	38.6	--	--	--	--	103	--	--	9/25	1.0	23
DYNA-GRO	DG 32C38*	38.8	--	--	--	--	104	--	--	9/25	1.0	22
DYNA-GRO	DG 3362NRR*	38.8	40.3	--	39.6	--	104	130	--	9/26	1.0	24
DYNA-GRO	DG-33A37*	40.7	33.2	--	37.0	--	109	107	--	9/25	1.0	25
DYNA-GRO	SXO4237*	31.8	--	--	--	--	85	--	--	10/1	1.0	28
KANSAS AES	KS4404RR*	30.2	36.3	--	33.2	--	81	117	--	9/28	1.0	24
KANSAS AES	KS4704RR*	30.6	24.4	--	27.5	--	82	79	--	9/28	1.0	25
KRUGER	K-328RR*	36.6	--	--	--	--	98	--	--	9/25	1.0	24
KRUGER	K-346RR/SCN*	39.8	--	--	--	--	106	--	--	9/26	1.0	24
KRUGER	K-349RR*	35.8	--	--	--	--	96	--	--	9/26	1.0	24
KRUGER	K-355RR/SCN*	36.4	--	--	--	--	97	--	--	9/26	1.0	24
KRUGER	K-379RR/SCN*	42.1	--	--	--	--	113	--	--	9/28	1.0	25
KRUGER	K-380RR/SCN*	38.9	--	--	--	--	104	--	--	9/29	1.0	26
KRUGER	K-389RR/SCN*	40.8	--	--	--	--	109	--	--	9/28	1.0	26
KRUGER	K-393RR/SCN*	41.3	--	--	--	--	111	--	--	9/30	1.0	27
KRUGER	K-404RR*	37.7	--	--	--	--	101	--	--	9/30	1.0	28
KRUGER	K-434RR/SCN*	27.2	--	--	--	--	73	--	--	10/1	1.0	26
MIDLAND-PHILLIPS	9B333RS*	36.8	--	--	--	--	98	--	--	9/26	1.0	24
MIDLAND-PHILLIPS	9B374NRR*	45.3	--	--	--	--	121	--	--	9/27	1.0	25
NK	S29-C9*	36.8	41.8	--	39.3	--	99	135	--	9/22	1.0	20
NK	S32-G5*	32.1	26.2	--	29.1	--	86	85	--	9/26	1.0	23
NK	S37-N4*	34.7	31.1	--	32.9	--	93	101	--	9/28	1.0	26
OHLDE	O-3522NRR*	42.5	--	--	--	--	114	--	--	9/26	1.0	24
OHLDE	O-3712NRR*	38.5	--	--	--	--	103	--	--	9/28	1.0	26
OHLDE	X3727NRS*	39.9	--	--	--	--	107	--	--	9/27	1.0	26
PIONEER	93B36*	42.3	31.0	--	36.7	--	113	100	--	9/26	1.0	24
PIONEER	93B85*	34.1	25.2	--	29.6	--	91	81	--	9/29	1.0	23
PIONEER	93M50*	45.2	--	--	--	--	121	--	--	9/25	1.0	24
TAYLOR	374RR*	34.4	--	--	--	--	92	--	--	9/29	1.0	27
AVERAGES		37.4	31.0	25.5								
CV (%)		5.4	9.6	8.3								
LSD (0.10)		2.8	4.0	2.9								

**Irrigation Experiment Field, Scandia, Republic County; Barney Gordon, agronomist, 785-335-2836**

Crete silt loam, pH 6.8, 2.5% OM; P test: M, K test: H  
10-30-0 lbs N-P-K fertilizer

Excellent growing conditions prevailed early in the season, but limited rainfall occurred during seed-fill in August and early September. A hard freeze on September 19, 2004, disrupted seed-fill and the maturation process, especially for the later-maturing entries.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.6	5.8	5.4	3.8	1.2	1.9	19.7
Irrigation:				1.5	4.5		6.0

Planted 5/19/2004 at 10 seeds/ft; harvested 10/18/2004; 25 ft. by 2-row plot; pesticides: 1.5 pt. Dual at planting, 32 oz. Roundup Ultra postemergence

**Table 9. Scandia, Republic Co. Irrigated Roundup®-resistant Soybean Performance Test, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ASGROW	AG3305*	70.4	--	--	--	--	107	--	--	9/24	1.0	31
ASGROW	AG3602*	68.5	--	--	--	--	104	--	--	9/26	1.0	36
CROPLAN GENETICS	RC4013*	64.1	--	--	--	--	97	--	--	10/1	1.0	32
CROPLAN GENETICS	RC4233*	62.5	--	--	--	--	95	--	--	10/1	1.0	36
DEKALB	DKB36-52*	63.8	--	--	--	--	97	--	--	9/27	1.0	38
DEKALB	DKB37-51*	69.9	67.8	--	68.9	--	106	100	--	9/27	1.0	36
GARST	3535RR/STS*	64.5	68.5	--	66.5	--	98	101	--	9/25	1.0	34
GARST	3624RR/N*	68.7	--	--	--	--	104	--	--	9/26	1.0	38
GARST	3712RR/N*	73.5	70.2	68.9	71.8	70.9	112	103	111	9/28	1.0	35
GARST	3824RR/N*	62.0	71.4	--	66.7	--	94	105	--	9/29	1.0	36
KANSAS AES	KS4404RR*	61.2	66.7	51.0	63.9	59.6	93	98	82	9/27	1.0	36
KANSAS AES	KS4704RR*	55.7	67.0	--	61.4	--	85	99	--	9/27	1.0	37
KRUGER	K-328RR*	69.8	--	--	--	--	106	--	--	9/23	1.0	35
KRUGER	K-346RR/SCN*	61.5	--	--	--	--	93	--	--	9/24	1.0	35
KRUGER	K-349RR*	69.0	--	--	--	--	105	--	--	9/24	1.0	34
KRUGER	K-355RR/SCN*	69.4	--	--	--	--	105	--	--	9/25	1.0	31
KRUGER	K-379RR/SCN*	68.9	--	--	--	--	105	--	--	9/27	1.0	32
KRUGER	K-380RR/SCN*	59.3	--	--	--	--	90	--	--	9/29	1.0	36
KRUGER	K-389RR/SCN*	65.2	--	--	--	--	99	--	--	9/30	1.0	36
KRUGER	K-393RR/SCN*	70.4	--	--	--	--	107	--	--	9/30	1.0	33
KRUGER	K-404RR*	73.1	--	--	--	--	111	--	--	10/1	1.0	33
KRUGER	K-434RR/SCN*	57.2	--	--	--	--	87	--	--	10/1	1.0	37
MIDLAND-PHILLIPS	9B333RS*	71.2	67.4	60.4	69.3	66.3	108	99	98	9/25	1.0	35
MIDLAND-PHILLIPS	9B345NRR*	62.2	--	--	--	--	95	--	--	9/25	1.0	33
MIDLAND-PHILLIPS	9B354RS*	66.7	70.4	--	68.5	--	101	103	--	9/25	1.0	36
MIDLAND-PHILLIPS	9B374NRR*	65.5	67.5	--	66.5	--	99	99	--	9/26	1.0	37
MIDLAND-PHILLIPS	9B385NRS*	70.7	--	--	--	--	107	--	--	9/29	1.0	29
MIDLAND-PHILLIPS	9B404NRR*	61.2	69.5	--	65.3	--	93	102	--	10/1	1.0	33
MIDLAND-PHILLIPS	9G325NRR*	60.4	--	--	--	--	92	--	--	9/24	1.0	34
NK	S32-G5*	68.6	68.5	66.4	68.6	67.9	104	101	107	9/24	1.0	31
NK	S35-F9*	66.5	--	--	--	--	101	--	--	9/25	1.0	31
NK	S37-N4*	65.1	68.2	57.2	66.6	63.5	99	100	92	9/27	1.0	40
NK	S39-K6*	63.0	69.0	60.8	66.0	64.3	96	101	98	9/29	1.0	38
OHLDE	O-3522NRR*	65.2	--	--	--	--	99	--	--	9/25	1.0	33
OHLDE	O-3882NRR*	62.3	--	--	--	--	95	--	--	9/27	1.0	34
OHLDE	X3727NRS*	66.7	--	--	--	--	101	--	--	9/28	1.0	32
PIONEER	93B85*	61.3	--	--	--	--	93	--	--	9/28	1.0	36
PIONEER	93M50*	71.8	--	--	--	--	109	--	--	9/25	1.0	37
PIONEER	93M92*	68.4	--	--	--	--	104	--	--	9/30	1.0	32
STINE	S3942-4*	68.3	--	--	--	--	104	--	--	9/30	1.0	37
TAYLOR	374RR*	67.5	--	--	--	--	103	--	--	9/26	1.0	32
TAYLOR	387RR*	68.0	66.8	--	67.4	--	103	98	--	9/29	1.0	30
AVERAGES		65.8	68.0	61.9								
CV (%)		2.9	2.8	8.5								
LSD (0.10)		2.6	2.6	7.1								

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

Ladysmith silty clay loam, pH 6.3, 2.4% OM; P test: VH, K test: VH  
0-0-0 lbs N-P-K fertilizer

Soybean seeds were planted after a wet-weather delay into moist soil and emerged in 5 days. Stand establishment was normal. Mean air temperatures were below normal in June through August. Rainfall was above normal in June and July, but below normal in August. Mean September temperatures were slightly above normal, but rainfall was below normal for the month. A shortage of rainfall in August and September limited soybean yield. Temperatures dropped below freezing briefly on October 2, which affected the later-maturing entries to some extent. No lodging, and little to no shattering, occurred in the test.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.6	2.4	5.3	5.8	2.4	1.3	18.8

Planted 6/26/2004 at 8 seeds/ft; harvested 10/25/2004; 30 ft. by 2-row plot; pesticides: Preplant 22 oz/a Roundup UM II+1 qt/a Boundary+0.67 pt/a 2,4-D LVE 6EC+0.6 oz/a Banvel+1qt/a COC+1.7 lb/a AMS. Postem. Roundup + AMS (22 oz/a+1.7lb/a)

**Table 10. Hesston, Harvey Co. Roundup®-resistant Soybean Performance Test, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3722NRR*	31.5	--	--	--	--	112	--	--	9/27	1.0	25
ADVANCED GENETICS	AG4444NRR*	27.0	25.9	21.5	26.4	24.8	96	121	101	10/7	1.0	25
AGSOURCE	9354*	31.0	--	--	--	--	111	--	--	9/28	1.0	26
AGSOURCE	9395*	25.4	--	--	--	--	91	--	--	10/10	1.0	26
AGSOURCE	9442*	28.4	--	--	--	--	101	--	--	10/6	1.0	25
AGSOURCE	X45RS*	27.9	--	--	--	--	100	--	--	10/12	1.0	25
ASGROW	AG3802*	31.4	--	--	--	--	112	--	--	9/30	1.0	28
ASGROW	AG3905*	28.4	--	--	--	--	101	--	--	10/8	1.0	25
ASGROW	AG3906*	27.7	--	--	--	--	99	--	--	10/5	1.0	22
CROPLAN GENETICS	RC3732*	31.8	20.3	--	26.0	--	113	95	--	9/30	1.0	24
CROPLAN GENETICS	RC4233*	25.8	--	--	--	--	92	--	--	9/30	1.0	25
DEKALB	DKB36-52*	27.7	--	--	--	--	99	--	--	9/26	1.0	25
DEKALB	DKB37-51*	29.4	22.7	--	26.0	--	105	106	--	9/28	1.0	25
DELTAPINE	DP3861RR*	29.5	20.6	21.7	25.1	23.9	105	96	103	9/27	1.0	24
DELTAPINE	DP4331RR*	27.4	24.9	--	26.2	--	98	116	--	10/4	1.0	24
DELTAPINE	DP4546RR*	24.1	--	--	--	--	86	--	--	10/10	1.0	31
DELTAPINE	DPX3950RR*	30.5	--	--	--	--	109	--	--	10/1	1.0	24
DELTAPINE	DPX4891RR*	26.0	--	--	--	--	93	--	--	10/7	1.0	27
DYNA-GRO	DG 32C38*	28.0	--	--	--	--	100	--	--	9/30	1.0	21
DYNA-GRO	DG 3362NRR*	23.3	22.8	16.6	23.1	20.9	83	107	78	10/2	1.0	21
DYNA-GRO	DG 3390NRR*	30.0	21.9	--	26.0	--	107	102	--	10/2	1.0	25
DYNA-GRO	DG 3443NRR*	26.3	25.1	--	25.7	--	94	117	--	10/7	1.0	27
DYNA-GRO	DG 35B40*	29.9	--	--	--	--	107	--	--	10/13	1.0	23
DYNA-GRO	DG 36K40*	27.6	--	--	--	--	99	--	--	9/29	1.0	22
DYNA-GRO	DG-33A37*	33.0	19.9	--	26.5	--	118	93	--	9/27	1.0	25
DYNA-GRO	SXO4237*	25.4	--	--	--	--	91	--	--	9/24	1.0	21
GARST	3624RR/N*	31.5	--	--	--	--	112	--	--	9/28	1.0	25
GARST	3712RR/N*	24.4	23.6	22.1	24.0	23.4	87	110	104	9/30	1.0	20
GARST	3812RR/N*	27.9	22.6	25.4	25.3	25.3	100	106	120	9/30	1.0	26
KANSAS AES	KS4404RR*	27.0	29.4	23.3	28.2	26.6	97	137	110	10/11	1.0	23
KANSAS AES	KS4704RR*	27.0	27.9	--	27.5	--	96	130	--	10/7	1.0	23
MIDLAND	9A373NRR*	29.6	20.8	--	25.2	--	106	97	--	9/29	1.0	26
MIDLAND	9A385NRS*	28.1	--	--	--	--	100	--	--	9/30	1.0	23
MIDLAND	9A405NRR*	31.3	--	--	--	--	112	--	--	10/2	1.0	24
MIDLAND	9A432NRS*	28.9	20.3	24.3	24.6	24.5	103	95	115	10/6	1.0	24
NK	S37-N4*	25.1	--	--	--	--	90	--	--	10/6	1.0	28
NK	S40-R9*	32.8	22.8	26.0	27.8	27.2	117	106	123	10/5	1.0	29
NK	S46-W8*	23.3	23.7	--	23.5	--	83	111	--	10/10	1.0	26
OHLDE	O-4202NRR*	25.6	--	--	--	--	91	--	--	10/10	1.0	28
OHLDE	X3932NRR*	26.8	--	--	--	--	96	--	--	9/27	1.0	30
PIONEER	93M80*	28.6	16.5	--	22.5	--	102	77	--	9/28	1.0	27
PIONEER	93M92*	27.9	--	--	--	--	100	--	--	9/30	1.0	22
PIONEER	94B13*	24.9	--	--	--	--	89	--	--	10/2	1.0	26
STINE	S3832-4*	30.7	--	--	--	--	109	--	--	10/3	1.0	23
STINE	S3932-4*	29.2	27.4	--	28.3	--	104	128	--	10/2	1.0	23
STINE	S4102-4*	25.8	21.9	23.0	23.9	23.6	92	102	109	10/4	1.0	23
TAYLOR	427RR*	26.5	22.4	25.3	24.4	24.7	94	105	120	10/7	1.0	27
WILLCROSS	RR2383N*	23.9	--	--	--	--	85	--	--	10/1	1.0	21
WILLCROSS	RR2388N*	28.3	--	--	--	--	101	--	--	9/29	1.0	24
WILLCROSS	RR2392N*	28.2	--	--	--	--	100	--	--	10/2	1.0	23

**Table 10. Hesston, Harvey Co. Roundup®-resistant Soybean Performance Test, 2002-2004 - continued.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
WILLCROSS	RR2432N*	30.9	--	--	--	--	110	--	--	10/8	1.0	25
WILLCROSS	RR2445N*	30.1	--	--	--	--	107	--	--	10/8	1.0	28
WILLCROSS	RR2473NSTS*	26.9	--	--	--	--	96	--	--	10/6	1.0	29
AVERAGES		28.0	21.4	21.2								
CV (%)		10.9	12.7	12.8								
LSD (0.10)		3.6	3.2	3.2								

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

Silt loam, pH na, % OM na; P test: , K test:

8-37-30 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.3	3.3	6.8	7.4	2.2	2.3	23.3
Irrigation:			4.0	3.3			7.3

Planted 5/4/2004 at 8 seeds/ft; harvested 10/5/2004; 29 ft. by 2-row plot; pesticides: 1 preplant and 1 post emergence application of Roundup Ultra

**Table 11. Hutchinson, Reno Co. Irrigated Roundup®-resistant Soybean Performance Test, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3722NRR*	60.4	--	--	--	--	100	--	--	--	1.0	37
ADVANCED GENETICS	AG4444NRR*	66.9	--	--	--	--	111	--	--	--	1.3	43
CROPLAN GENETICS	RC3732*	59.6	--	--	--	--	99	--	--	--	1.3	37
CROPLAN GENETICS	RC4233*	66.4	--	--	--	--	110	--	--	--	1.3	39
DYNA-GRO	DG 32C38*	66.9	--	--	--	--	111	--	--	--	1.3	33
DYNA-GRO	DG 3362NRR*	61.1	--	--	--	--	101	--	--	--	1.0	34
DYNA-GRO	DG 35B40*	55.6	--	--	--	--	92	--	--	--	2.0	40
DYNA-GRO	DG 36K40*	61.1	--	--	--	--	101	--	--	--	1.8	38
DYNA-GRO	DG 37N43*	59.2	--	--	--	--	98	--	--	--	1.3	40
DYNA-GRO	SXO4237*	50.4	--	--	--	--	84	--	--	--	1.0	33
KANSAS AES	KS4404RR*	56.2	--	--	--	--	93	--	--	--	2.5	40
KANSAS AES	KS4704RR*	59.2	--	--	--	--	98	--	--	--	2.3	39
MIDLAND	9A373NRR*	58.3	--	--	--	--	97	--	--	--	1.0	36
MIDLAND	9A385NRS*	68.0	--	--	--	--	113	--	--	--	1.5	34
MIDLAND	9A405NRR*	60.5	--	--	--	--	100	--	--	--	2.0	39
MIDLAND	9A432NRS*	66.9	--	--	--	--	111	--	--	--	2.0	41
NK	S37-N4*	54.5	--	--	--	--	90	--	--	--	1.5	41
NK	S39-K6*	60.3	--	--	--	--	100	--	--	--	1.5	38
NK	S40-R9*	59.0	--	--	--	--	98	--	--	--	1.8	40
NK	S42-P7*	55.5	--	--	--	--	92	--	--	--	1.3	37
OHLDE	O-3522NRR*	60.0	--	--	--	--	100	--	--	--	1.5	37
OHLDE	O-3882NRR*	63.6	--	--	--	--	106	--	--	--	1.3	36
PIONEER	93B85*	58.5	--	--	--	--	97	--	--	--	1.5	38
PIONEER	93M50*	59.2	--	--	--	--	98	--	--	--	1.3	38
PIONEER	94B13*	51.8	--	--	--	--	86	--	--	--	1.0	38
STINE	S3832-4*	62.9	--	--	--	--	104	--	--	--	1.5	36
STINE	S4542-4*	58.9	--	--	--	--	98	--	--	--	1.0	44
TAYLOR	387RR*	66.4	--	--	--	--	110	--	--	--	1.3	32
AVERAGES		60.3	--	--								
CV (%)		4.2	--	--								
LSD (0.10)		3.0	--	--								

**Sandyland Experiment Field, St. John, Stafford County; Vic Martin, agronomist, 620-549-3345**

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

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.2	3.4	5.5	4.7	6.8	2.6	25.2
Irrigation:				4.0	3.5		7.5

Planted 5/25/2004 at 10 seeds/ft; harvested 12/13/2004; 28 ft. by 2-row plot; pesticides: 2 applications of Roundup Ultra

**Table 12. St. John, Stafford Co. Irrigated Roundup®-resistant Soybean Performance Test, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3722NRR*	37.8	--	--	--	--	109	--	--	--	1.5	34
ADVANCED GENETICS	AG4444NRR*	35.0	56.3	59.2	45.7	50.2	101	103	123	--	1.3	37
ASGROW	AG3802*	33.4	--	--	--	--	96	--	--	--	2.3	37
ASGROW	AG3905*	39.1	58.4	--	48.7	--	112	107	--	--	1.8	35
ASGROW	AG3906*	33.2	--	--	--	--	96	--	--	--	1.5	31
CROPLAN GENETICS	RC3732*	30.0	63.1	--	46.6	--	86	115	--	--	1.8	32
CROPLAN GENETICS	RC4013*	35.0	--	--	--	--	101	--	--	--	2.3	32
CROPLAN GENETICS	RC4233*	37.1	--	--	--	--	107	--	--	--	2.5	33
DEKALB	DKB38-52*	23.6	--	52.6	--	--	68	--	110	--	1.3	36
DEKALB	DKB40-51*	26.7	54.9	--	40.8	--	77	100	--	--	2.0	37
DELTAPINE	DP3861RR*	38.8	52.8	37.4	45.8	43.0	112	96	78	--	1.8	32
DELTAPINE	DP4331RR*	40.9	58.3	--	49.6	--	118	107	--	--	2.3	37
DELTAPINE	DP4546RR*	27.2	--	--	--	--	78	--	--	--	2.5	40
DELTAPINE	DPX3950RR*	32.6	--	--	--	--	94	--	--	--	2.0	33
DELTAPINE	DPX4891RR*	37.2	--	--	--	--	107	--	--	--	2.0	36
GARST	3812RR/N*	40.6	59.0	57.9	49.8	52.5	117	108	121	--	2.3	36
GARST	3824RR/N*	25.0	61.4	--	43.2	--	72	112	--	--	1.5	37
KANSAS AES	KS4404RR*	33.0	50.6	42.4	41.8	42.0	95	92	88	--	2.3	37
KANSAS AES	KS4704RR*	27.6	51.9	--	39.8	--	79	95	--	--	2.5	34
MIDLAND	9A373NRR*	42.7	58.6	--	50.7	--	123	107	--	--	2.0	32
MIDLAND	9A385NRS*	39.0	--	--	--	--	112	--	--	--	1.5	31
MIDLAND	9A405NRR*	32.3	--	--	--	--	93	--	--	--	3.0	36
MIDLAND	9A432NRS*	37.0	--	47.2	--	--	107	--	98	--	1.8	33
NK	S37-N4*	26.5	--	--	--	--	76	--	--	--	2.8	42
NK	S39-K6*	38.8	60.7	--	49.8	--	112	111	--	--	1.8	34
NK	S40-R9*	39.0	54.8	--	46.9	--	112	100	--	--	2.3	36
OHLDE	O-3522NRR*	40.5	--	--	--	--	117	--	--	--	2.0	32
OHLDE	O-3882NRR*	37.4	--	--	--	--	108	--	--	--	2.5	34
OHLDE	X3727NRS*	38.6	--	--	--	--	111	--	--	--	2.3	32
PIONEER	93B85*	43.4	60.6	47.2	52.0	50.4	125	111	98	--	2.0	35
PIONEER	93M50*	32.0	--	--	--	--	92	--	--	--	2.0	36
PIONEER	94B13*	24.9	47.4	--	36.2	--	72	87	--	--	2.3	34
STINE	S3932-4*	38.1	57.0	--	47.6	--	110	104	--	--	2.3	30
TAYLOR	444RR*	38.9	61.0	54.5	49.9	51.5	112	111	114	--	1.5	37
AVERAGES		34.7	54.7	48.0								
CV (%)		19.5	8.1	14.6								
LSD (0.10)		7.9	5.2	8.2								



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

Keith silt loam, pH 7.4, 2.1% OM; P test: na, K test: na  
50-30-0 lbs N-P-K fertilizer

Good growing conditions prevailed, with cooler than normal temperatures throughout July.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.7	1.0	3.2	4.3	1.2	2.6	15.0
Irrigation:	5.0			3.0	6.0	3.0	17.0

Planted 5/20/2004 at 9 seeds/ft; harvested 10/18/2004; 20 ft. by 2-row plot; pesticides: 2 applications of 1.25 pt. Roundup Ultra Max

**Table 13. Colby, Thomas Co. Irrigated Roundup®-resistant Soybean Performance Test, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ASGROW	AG3305*	70.4	--	--	--	--	125	--	--	10/2	1.5	31
ASGROW	AG3602*	57.6	--	--	--	--	103	--	--	10/8	2.0	32
CROPLAN GENETICS	RC3732*	55.9	--	--	--	--	100	--	--	10/6	2.5	31
DEKALB	DKB36-52*	63.4	--	--	--	--	113	--	--	10/4	1.5	33
DEKALB	DKB37-51*	50.3	--	--	--	--	90	--	--	10/7	2.5	32
DYNA-GRO	DG 31M25*	55.5	--	--	--	--	99	--	--	9/25	2.0	28
DYNA-GRO	DG 31T31*	48.8	--	--	--	--	87	--	--	10/1	1.5	29
DYNA-GRO	DG 34Z27*	54.8	--	--	--	--	98	--	--	9/26	1.5	28
DYNA-GRO	DG 38K28*	51.2	--	--	--	--	91	--	--	9/26	1.5	33
GARST	3135RR*	54.3	62.3	59.7	58.3	58.7	97	104	100	9/27	1.0	32
GARST	3212RR/N*	53.3	--	--	--	--	95	--	--	10/2	2.0	33
GARST	3535RR/STS*	55.8	60.0	--	57.9	--	99	100	--	10/6	1.0	32
KANSAS AES	KS4404RR*	44.6	59.3	45.0	51.9	49.6	79	99	75	10/14	2.5	30
KANSAS AES	KS4704RR*	56.2	59.8	--	58.0	--	100	100	--	10/8	3.0	35
LG SEEDS	C3322NRR	48.8	--	--	--	--	87	--	--	10/2	2.5	31
NK	S29-C9*	57.0	62.0	62.6	59.5	60.5	101	103	104	9/26	2.0	33
NK	S35-A6*	59.9	64.0	63.0	62.0	62.3	107	107	105	10/2	1.5	29
OHLDE	O-3242RR*	59.4	--	--	--	--	106	--	--	10/4	2.5	35
OHLDE	X3334NRR*	65.5	--	--	--	--	117	--	--	10/2	2.0	30
PIONEER	93B36*	59.0	62.0	70.0	60.5	63.7	105	103	117	9/28	2.0	34
PIONEER	93M11*	51.1	--	--	--	--	91	--	--	9/30	1.0	26
PIONEER	93M50*	62.7	--	--	--	--	112	--	--	10/4	2.0	32
AVERAGES		56.1	60.0	59.9								
CV (%)		13.0	7.9	9.0								
LSD (0.10)		12.6	5.6	6.3								

**Southwest Research-Extension Center, Garden City, Finney County; Merle Witt, agronomist, 620-276-8286**

Ulysses silt loam, pH 7.9, 1.3% OM; P test: M, K test: H

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.5	0.6	5.5	3.2	4.3	4.2	20.3
Irrigation:				8.0	8.5		16.5

Planted 5/10/2004 at 10 seeds/ft; harvested 10/9/2004; 21 ft. by 4-row plot; pesticides: 2.5 qt. Pursuit Plus

**Table 14. Garden City, Finney Co. Irrigated Roundup®-resistant Soybean Performance Test, 2002-2004.**

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2004		
		2004	2003	2002	2-Yr. AVG.	3-Yr. AVG.	2004	2003	2002	Mat	Lodge score	Ht (in)
ASGROW	AG3602*	42.5	--	--	--	--	90	--	--	9/26	1.0	29
ASGROW	AG3802*	26.1	--	--	--	--	56	--	--	9/25	1.0	28
ASGROW	AG3905*	51.6	--	--	--	--	110	--	--	9/28	1.0	31
ASGROW	AG3906*	48.3	--	--	--	--	103	--	--	9/24	1.0	29
CROPLAN GENETICS	RC3636*	63.2	--	66.6	--	--	134	--	125	9/25	1.0	28
CROPLAN GENETICS	RC3732*	45.9	47.0	--	46.5	--	98	100	--	9/26	1.0	26
CROPLAN GENETICS	RC4013*	51.4	--	--	--	--	109	--	--	9/26	1.0	27
DEKALB	DKB36-52*	39.0	--	--	--	--	83	--	--	9/20	1.0	28
DEKALB	DKB37-51*	57.5	51.5	--	54.5	--	122	110	--	9/18	1.0	31
DEKALB	DKB38-52*	33.1	38.8	43.4	36.0	38.4	70	82	81	9/27	1.0	25
DRUSSEL SEED	DSS 3772RR*	56.0	--	--	--	--	119	--	--	9/20	1.0	30
DRUSSEL SEED	DSS IDC70RR*	51.8	--	--	--	--	110	--	--	9/25	1.0	27
DYNA-GRO	DG 32C38*	42.8	--	--	--	--	91	--	--	9/26	1.0	27
DYNA-GRO	DG 3362NRR*	54.2	49.9	55.1	52.0	53.0	115	106	103	9/26	1.3	27
DYNA-GRO	DG 35B40*	54.7	--	--	--	--	116	--	--	9/27	1.0	31
DYNA-GRO	DG 36K40*	32.1	--	--	--	--	68	--	--	9/27	1.3	28
DYNA-GRO	DG-33A37*	50.9	49.7	--	50.3	--	108	106	--	9/20	1.0	29
DYNA-GRO	DG-37R39*	42.5	63.5	--	53.0	--	90	135	--	9/27	1.3	27
DYNA-GRO	SXO4237*	47.2	--	--	--	--	100	--	--	9/20	1.3	30
GARST	3212RR/N*	51.2	--	--	--	--	109	--	--	9/16	1.3	29
GARST	3535RR/STS*	55.6	51.3	--	53.5	--	118	109	--	9/22	1.3	29
GARST	3712RR/N*	45.1	51.2	57.8	48.2	51.4	96	109	108	9/27	1.0	27
GARST	3812RR/N*	44.7	46.8	--	45.7	--	95	100	--	9/26	1.0	31
HELENA	3574*	48.5	44.2	--	46.3	--	103	94	--	9/21	1.3	26
HELENA	3814*	52.8	50.5	--	51.7	--	112	107	--	9/26	1.3	29
KANSAS AES	KS4404RR*	44.3	49.5	45.2	46.9	46.3	94	105	85	9/28	1.0	33
KANSAS AES	KS4704RR*	53.0	48.4	--	50.7	--	113	103	--	9/24	1.3	29
MIDLAND	9A373NRR*	46.3	48.5	--	47.4	--	98	103	--	9/20	1.0	29
MIDLAND	9A385NRS*	44.0	--	--	--	--	94	--	--	9/28	1.0	25
MIDLAND	9A405NRR*	63.2	--	--	--	--	134	--	--	9/23	1.3	33
MIDLAND	9A432NRS*	46.0	54.3	47.8	50.2	49.4	98	116	89	9/27	1.0	33
NK	S37-N4*	34.6	--	--	--	--	74	--	--	9/23	1.0	27
NK	S42-P7*	59.6	--	--	--	--	127	--	--	9/23	1.7	29
OHLDE	O-3522NRR*	51.2	--	--	--	--	109	--	--	9/24	1.0	27
OHLDE	X3727NRS*	36.7	--	--	--	--	78	--	--	9/25	1.0	27
PIONEER	93B85*	39.5	62.7	60.4	51.1	54.2	84	133	113	9/25	1.0	28
PIONEER	93M50*	51.9	--	--	--	--	110	--	--	9/18	1.0	29
PIONEER	93M92*	61.4	--	--	--	--	130	--	--	9/23	1.3	28
STINE	S3832-4*	41.2	--	--	--	--	88	--	--	9/28	1.0	26
AVERAGES		47.0	47.0	53.5								
CV (%)		15.7	11.2	18.3								
LSD (0.10)		12.0	7.1	13.3								

**Table 15. Yield as a Percentage of Test Average from 2004 Tests.**

BRAND/NAME	Centralia	Topeka	Ottawa	Columbus			Belleville	Scandia	Hesston	Hutchinson	St. John	Colby	Garden City	AVERAGE
				SCN	MG 4	MG 5								
<b>ADVANCED GENETICS</b>														
AG3722NRR*	--	88	102	--	--	--	--	--	112	100	109	--	--	102
AG4444NRR*	--	112	102	--	--	--	--	--	96	111	101	--	--	104
AG4677NRS*	--	--	90	--	98	--	--	--	--	--	--	--	--	94
AG4880NRS*	--	--	99	--	--	112	--	--	--	--	--	--	--	106
AG5012NRR*	--	--	86	--	--	101	--	--	--	--	--	--	--	93
AG5333NRR*	--	--	84	--	--	104	--	--	--	--	--	--	--	94
AG5424NRR*	--	--	78	--	--	95	--	--	--	--	--	--	--	86
<b>AGSOURCE</b>														
9354*	105	--	--	--	--	--	--	--	111	--	--	--	--	108
9395*	97	--	--	--	--	--	--	--	91	--	--	--	--	94
9442*	--	--	--	--	--	--	--	--	101	--	--	--	--	101
X45RS*	--	--	--	--	--	--	--	--	100	--	--	--	--	100
<b>ASGROW</b>														
AG3302*	100	--	--	--	--	--	--	--	--	--	--	--	--	100
AG3305*	109	--	--	--	--	--	--	107	--	--	--	125	--	114
AG3602*	106	113	--	--	--	--	--	104	--	--	--	103	90	103
AG3802*	101	89	101	--	--	--	--	--	112	--	96	--	56	93
AG3905*	101	96	101	--	--	--	--	--	101	--	112	--	110	104
AG3906*	96	88	101	--	--	--	--	--	99	--	96	--	103	97
AG4102*	100	91	101	--	--	--	--	--	--	--	--	--	--	97
AG4403*	96	108	106	--	104	--	--	--	--	--	--	--	--	104
AG4502*	--	106	99	--	98	--	--	--	--	--	--	--	--	101
AG4603*	--	--	100	--	101	--	--	--	--	--	--	--	--	100
AG4801*	--	--	--	--	--	107	--	--	--	--	--	--	--	107
AG4903*	--	--	--	--	--	105	--	--	--	--	--	--	--	105
AG5301*	--	--	--	--	--	96	--	--	--	--	--	--	--	96
AG5501*	--	--	--	--	--	88	--	--	--	--	--	--	--	88
AG5603*	--	--	--	--	--	101	--	--	--	--	--	--	--	101
AG5605*	--	--	--	--	--	103	--	--	--	--	--	--	--	103
<b>CROPLAN GENETICS</b>														
RC3636*	--	--	--	--	--	--	--	--	--	--	--	--	134	134
RC3732*	98	103	109	--	--	--	--	--	113	99	86	100	98	101
RC4013*	99	100	100	--	--	--	--	97	--	--	101	--	109	101
RC4233*	85	117	101	--	--	--	--	95	92	110	107	--	--	101
RC4444*	--	--	101	--	--	--	--	--	--	--	--	--	--	101
RC4842*	--	--	--	--	--	106	88	--	--	--	--	--	--	97
RC5332*	--	--	--	--	--	88	--	--	--	--	--	--	--	88
RC5555*	--	--	--	--	--	86	--	--	--	--	--	--	--	86
<b>DEKALB</b>														
DKB36-52*	97	120	--	--	--	--	--	97	99	--	--	113	83	101
DKB37-51*	104	95	100	--	--	--	--	106	105	--	--	90	122	103
DKB38-52*	104	97	106	--	--	--	--	--	--	--	68	--	70	89
DKB40-51*	91	86	97	--	--	--	--	--	--	--	77	--	--	88
DKB44-51*	--	124	102	--	100	--	--	--	--	--	--	--	--	109
DKB46-51*	--	--	99	--	104	--	--	--	--	--	--	--	--	102
DKB54-52*	--	--	--	--	--	94	--	--	--	--	--	--	--	94
<b>DELTAPINE</b>														
DP3861RR*	--	--	--	--	94	--	--	--	105	--	112	--	--	104
DP4331RR*	--	--	--	--	103	--	--	--	98	--	118	--	--	106
DP4546RR*	--	--	--	--	89	--	--	--	86	--	78	--	--	84
DPX3950RR*	--	--	--	--	106	--	--	--	109	--	94	--	--	103
DPX4891RR*	--	--	--	--	--	105	--	--	93	--	107	--	--	102
<b>DRUSSEL SEED</b>														
DSS 3772RR*	--	--	--	--	--	--	--	--	--	--	--	--	119	119
DSS IDC70RR*	--	--	--	--	--	--	--	--	--	--	--	--	110	110

**Table 15. Yield as a Percentage of Test Average from 2004 Tests - continued.**

BRAND/NAME	Centralia	Topeka	Ottawa	Columbus			Belleville	Scandia	Hesston	Hutch- inson	St. John	Colby	Garden City	AVERAGE
				SCN	MG 4	MG 5								
<b>DYNA-GRO</b>														
DG 31M25*	--	--	--	--	--	--	--	--	--	--	--	99	--	99
DG 31T31*	--	--	--	--	--	--	103	--	--	--	--	87	--	95
DG 32C38*	109	--	108	--	--	--	104	--	100	111	--	--	91	104
DG 3362NRR*	106	--	--	--	--	--	104	--	83	101	--	--	115	102
DG 3390NRR*	107	--	--	--	--	--	--	--	107	--	--	--	--	107
DG 3443NRR*	--	--	100	--	--	--	--	--	94	--	--	--	--	97
DG 34Z27*	--	--	--	--	--	--	--	--	--	--	--	98	--	98
DG 35B40*	--	--	93	--	--	--	--	--	107	92	--	--	116	102
DG 36K40*	--	--	92	--	--	--	--	--	99	101	--	--	68	90
DG 36M49*	--	--	--	--	--	106	--	--	--	--	--	--	--	106
DG 37N43*	--	--	98	--	--	--	--	--	--	98	--	--	--	98
DG 38K28*	--	--	--	--	--	--	--	--	--	--	--	91	--	91
DG 38T47*	--	--	97	--	--	107	--	--	--	--	--	--	--	102
DG-33A37*	102	--	107	--	--	--	109	--	118	--	--	--	108	109
DG-37R39*	--	--	--	--	--	--	--	--	--	--	--	--	90	90
SXO4237*	102	--	93	--	--	--	85	--	91	84	--	--	100	93
SXO4246*	--	--	94	--	108	--	--	--	--	--	--	--	--	101
SXO4453*	--	--	--	--	--	101	--	--	--	--	--	--	--	101
<b>GARST</b>														
3135RR*	--	--	--	--	--	--	--	--	--	--	--	97	--	97
3212RR/N*	--	--	--	--	--	--	--	--	--	--	--	95	109	102
3535RR/STS*	94	--	--	--	--	--	--	98	--	--	--	99	118	102
3624RR/N*	104	115	105	--	--	--	--	104	112	--	--	--	--	108
3712RR/N*	101	100	103	--	--	--	--	112	87	--	--	--	96	100
3812RR/N*	--	--	103	--	--	--	--	--	100	--	117	--	95	104
3824RR/N*	109	82	--	--	--	--	--	94	--	--	72	--	--	89
4212RR/STS/N*	--	--	106	--	--	--	--	--	--	--	--	--	--	106
4512RR/N*	--	--	102	87	--	--	--	--	--	--	--	--	--	95
4612RR/N*	--	--	--	92	--	--	--	--	--	--	--	--	--	92
5012RR/N*	--	--	--	114	--	--	--	--	--	--	--	--	--	114
5212RR/N*	--	--	--	--	--	91	--	--	--	--	--	--	--	91
5412RR/STS/N*	--	--	--	106	--	100	--	--	--	--	--	--	--	103
D484RR/N*	--	--	--	106	--	106	--	--	--	--	--	--	--	106
<b>HAMON</b>														
3704NRR*	100	103	--	--	--	--	--	--	--	--	--	--	--	101
<b>HELENA</b>														
3574*	--	--	--	--	--	--	--	--	--	--	--	--	103	103
3814*	--	--	--	--	--	--	--	--	--	--	--	--	112	112
<b>KANSAS AES</b>														
K1603RR*	--	--	--	--	--	96	--	--	--	--	--	--	--	96
K1633RR*	--	--	--	--	--	102	--	--	--	--	--	--	--	102
K1637RR*	--	--	--	--	--	105	--	--	--	--	--	--	--	105
KS4404RR*	86	104	95	--	95	--	81	93	97	93	95	79	94	92
KS4704RR*	92	124	95	--	98	--	82	85	96	98	79	100	113	97
KS5004N	--	--	--	118	--	--	--	--	--	--	--	--	--	118

**Table 15. Yield as a Percentage of Test Average from 2004 Tests - continued.**

BRAND/NAME	Centralia	Topeka	Ottawa	Columbus			Belleville	Scandia	Hesston	Hutch- inson	St. John	Colby	Garden City	AVERAGE
				SCN	MG 4	MG 5								
<b>KRUGER</b>														
K-328RR*	102	80	98	--	--	--	98	106	--	--	--	--	--	97
K-346RR/SCN*	98	73	101	--	--	--	106	93	--	--	--	--	--	94
K-349RR*	97	75	99	--	--	--	96	105	--	--	--	--	--	94
K-355RR/SCN*	99	106	106	--	--	--	97	105	--	--	--	--	--	103
K-379RR/SCN*	101	89	104	--	--	--	113	105	--	--	--	--	--	102
K-380RR/SCN*	102	96	106	--	--	--	104	90	--	--	--	--	--	100
K-389RR/SCN*	111	100	106	--	--	--	109	99	--	--	--	--	--	105
K-393RR/SCN*	100	101	109	--	--	--	111	107	--	--	--	--	--	105
K-404RR*	101	107	104	--	--	--	101	111	--	--	--	--	--	105
K-434RR/SCN*	91	118	91	--	--	--	73	87	--	--	--	--	--	92
<b>KSOY</b>														
KS4602N	--	--	--	85	--	--	--	--	--	--	--	--	--	85
KS5502N	--	--	--	100	--	--	--	--	--	--	--	--	--	100
<b>LEWIS</b>														
3853*	111	--	--	--	--	--	--	--	--	--	--	--	--	111
3875*	102	--	--	--	--	--	--	--	--	--	--	--	--	102
4010*	89	116	--	--	--	--	--	--	--	--	--	--	--	102
<b>LG SEEDS</b>														
C3322NRR	--	--	--	--	--	--	--	--	--	--	--	87	--	87
<b>MARYLAND AES</b>														
MANOKIN	--	--	--	117	--	--	--	--	--	--	--	--	--	117
<b>MFA MORSOY</b>														
RT 4334N*	--	--	94	--	--	--	--	--	--	--	--	--	--	94
RT 4731N*	--	--	103	--	--	107	--	--	--	--	--	--	--	105
RT 4993N*	--	--	96	--	--	102	--	--	--	--	--	--	--	99
RT 5043N*	--	--	--	--	--	101	--	--	--	--	--	--	--	101
RT 5110N*	--	--	--	--	--	95	--	--	--	--	--	--	--	95
RT 5154N*	--	--	--	--	--	108	--	--	--	--	--	--	--	108
RTS 4824*	--	--	102	--	--	110	--	--	--	--	--	--	--	106
<b>MIDLAND</b>														
9A355XRR*	102	83	--	--	--	--	--	--	--	--	--	--	--	92
9A373NRR*	106	81	--	--	--	--	--	106	97	123	--	98	102	
9A375XRR*	96	101	--	--	--	--	--	--	--	--	--	--	99	
9A385NRS*	108	98	104	--	--	--	--	100	113	112	--	94	104	
9A402NRR*	91	--	96	--	--	--	--	--	--	--	--	--	94	
9A405NRR*	--	--	--	--	--	--	--	112	100	93	--	134	110	
9A432NRS*	--	--	107	--	--	--	--	103	111	107	--	98	105	
9A455NRR*	--	--	95	--	98	--	--	--	--	--	--	--	96	
9A485XRR*	--	--	89	87	--	103	--	--	--	--	--	--	93	
9A494XRR*	--	--	--	--	--	102	--	--	--	--	--	--	102	
9A545NRS*	--	--	--	--	--	97	--	--	--	--	--	--	97	
9A564NRS*	--	--	--	--	--	98	--	--	--	--	--	--	98	
9B395NRR*	87	98	--	--	--	--	--	--	--	--	--	--	92	
9B445NRS*	--	98	101	--	--	--	--	--	--	--	--	--	100	
9B485XRR*	--	--	92	88	--	96	--	--	--	--	--	--	92	
9G485X	--	--	--	99	--	--	--	--	--	--	--	--	99	

**Table 15. Yield as a Percentage of Test Average from 2004 Tests - continued.**

BRAND/NAME	Centralia	Topeka	Ottawa	Columbus			Belleville	Scandia	Hesston	Hutchinson	St. John	Colby	Garden City	AVERAGE
				SCN	MG 4	MG 5								
<b>MIDLAND-PHILLIPS</b>														
9A415NRR*	--	79	--	--	--	--	--	--	--	--	--	--	--	79
9A465NRR*	--	77	--	--	--	--	--	--	--	--	--	--	--	77
9B333RS*	--	--	--	--	--	--	98	108	--	--	--	--	--	103
9B345NRR*	--	85	--	--	--	--	--	95	--	--	--	--	--	90
9B354RS*	--	--	--	--	--	--	--	101	--	--	--	--	--	101
9B374NRR*	--	--	--	--	--	--	121	99	--	--	--	--	--	110
9B385NRS*	--	--	--	--	--	--	--	107	--	--	--	--	--	107
9B404NRR*	--	114	--	--	--	--	--	93	--	--	--	--	--	104
9G325NRR*	--	--	--	--	--	--	--	92	--	--	--	--	--	92
<b>M-PRIDE</b>														
MPB3805NRR*	--	--	111	--	--	--	--	--	--	--	--	--	--	111
MPV3903NRR*	--	--	107	--	--	--	--	--	--	--	--	--	--	107
MPV3905NRR*	--	--	97	--	--	--	--	--	--	--	--	--	--	97
MPV4305NRR*	--	--	92	--	--	--	--	--	--	--	--	--	--	92
MPV4705NRR*	--	--	--	--	--	100	--	--	--	--	--	--	--	100
MPV4805NRR*	--	--	--	--	--	107	--	--	--	--	--	--	--	107
MPV4904NRR*	--	--	--	--	--	96	--	--	--	--	--	--	--	96
MPV4905NRR*	--	--	--	--	--	99	--	--	--	--	--	--	--	99
MPV5504NRR*	--	--	--	--	--	102	--	--	--	--	--	--	--	102
MPV5505NRR*	--	--	--	--	--	105	--	--	--	--	--	--	--	105
<b>NK</b>														
S29-C9*	--	--	--	--	--	--	99	--	--	--	--	101	--	100
S32-G5*	--	--	--	--	--	--	86	104	--	--	--	--	--	95
S35-A6*	--	--	--	--	--	--	--	--	--	--	--	107	--	107
S35-F9*	102	--	--	--	--	--	--	101	--	--	--	--	--	102
S37-N4*	92	--	--	--	--	--	93	99	90	90	76	--	74	88
S39-K6*	94	82	104	--	--	--	--	96	--	100	112	--	--	98
S40-R9*	96	88	104	--	--	--	--	--	117	98	112	--	--	103
S42-P7*	--	102	--	--	--	--	--	--	--	92	--	--	127	107
S46-W8*	--	--	97	--	93	--	--	--	83	--	--	--	--	91
S49-Q9*	--	--	98	--	--	109	--	--	--	--	--	--	--	103
S52-U3*	--	--	--	--	--	90	--	--	--	--	--	--	--	90
S57-P1*	--	--	--	--	--	86	--	--	--	--	--	--	--	86
<b>OHLDE</b>														
O-3242RR*	--	--	--	--	--	--	--	--	--	--	--	106	--	106
O-3522NRR*	--	92	--	--	--	--	114	99	--	100	117	--	109	105
O-3712NRR*	--	--	105	--	--	--	103	--	--	--	--	--	--	104
O-3882NRR*	99	93	--	--	--	--	--	95	--	106	108	--	--	100
O-4202NRR*	--	--	90	--	--	--	--	--	91	--	--	--	--	91
X3334NRR*	102	--	--	--	--	--	--	--	--	--	--	117	--	109
X3727NRS*	108	102	--	--	--	--	107	101	--	--	111	--	78	101
X3932NRR*	--	--	96	--	--	--	--	--	96	--	--	--	--	96
<b>PIONEER</b>														
93B36*	--	--	--	--	--	--	113	--	--	--	--	105	--	109
93B85*	94	99	--	--	--	--	91	93	--	97	125	--	84	98
93M11*	--	--	--	--	--	--	--	--	--	--	--	91	--	91
93M50*	105	--	101	--	--	--	121	109	--	98	92	112	110	106
93M80*	--	--	--	--	--	--	--	--	102	--	--	--	--	102
93M92*	107	109	106	--	--	--	--	104	100	--	--	--	130	109
94B13*	--	--	--	--	--	--	--	--	89	86	72	--	--	82
94B73*	--	125	111	--	--	--	--	--	--	--	--	--	--	118
94M90*	--	--	--	100	--	98	--	--	--	--	--	--	--	99
95B42*	--	--	--	106	--	92	--	--	--	--	--	--	--	99
95B53*	--	--	--	106	--	89	--	--	--	--	--	--	--	97

**Table 15. Yield as a Percentage of Test Average from 2004 Tests - continued.**

BRAND/NAME	Centralia	Topeka	Ottawa	Columbus			Belleville	Scandia	Hesston	Hutchinson	St. John	Colby	Garden City	AVERAGE
				SCN	MG 4	MG 5								
<b>PRAIRIE BRAND</b>														
PB-3894NRR*	112	97	--	--	--	--	--	--	--	--	--	--	--	104
PB-4583NRR*	88	116	--	--	107	--	--	--	--	--	--	--	--	104
PB-5083NRR*	--	--	--	--	--	102	--	--	--	--	--	--	--	102
<b>RAINBOW</b>														
4430NRS*	--	89	--	--	--	--	--	--	--	--	--	--	--	89
<b>RENZE</b>														
R3595RCX*	103	89	--	--	--	--	--	--	--	--	--	--	--	96
R3684Rcn*	101	--	--	--	--	--	--	--	--	--	--	--	--	101
R3814RR*	108	--	--	--	--	--	--	--	--	--	--	--	--	108
R3835SRcn*	109	102	110	--	--	--	--	--	--	--	--	--	--	107
R3994Rcn*	99	94	103	--	--	--	--	--	--	--	--	--	--	99
R4095Rcn*	93	103	103	--	--	--	--	--	--	--	--	--	--	100
R4385Rcn*	94	100	92	--	--	--	--	--	--	--	--	--	--	95
R4695Rcn*	--	117	103	--	--	--	--	--	--	--	--	--	--	110
<b>STINE</b>														
S3532-4*	98	101	--	--	--	--	--	--	--	--	--	--	--	99
S3600-4*	--	94	--	--	--	--	--	--	--	--	--	--	--	94
S3832-4*	92	92	--	--	--	--	--	109	104	--	--	88	--	97
S3932-4*	97	105	104	--	--	--	--	104	--	110	--	--	--	104
S3942-4*	--	--	--	--	--	--	--	104	--	--	--	--	--	104
S4102-4*	88	121	--	--	--	--	--	92	--	--	--	--	--	100
S4542-4*	--	--	96	90	103	--	--	--	98	--	--	--	--	97
S4842-4*	--	--	--	108	--	100	--	--	--	--	--	--	--	104
<b>TAYLOR</b>														
374RR*	103	101	--	--	--	--	92	103	--	--	--	--	--	100
387RR*	103	116	--	--	--	--	--	103	--	110	--	--	--	108
427RR*	--	--	104	--	--	--	--	--	94	--	--	--	--	99
444RR*	--	--	--	--	--	--	--	--	--	--	112	--	--	112
EXP3530RR*	99	105	--	--	--	--	--	--	--	--	--	--	--	102
EXP3980RRS*	109	106	--	--	--	--	--	--	--	--	--	--	--	107
EXP4280RR*	--	--	95	--	--	--	--	--	--	--	--	--	--	95
EXP4550RR*	--	--	103	--	--	--	--	--	--	--	--	--	--	103
EXP4870RRS*	--	--	--	--	--	107	--	--	--	--	--	--	--	107
<b>VIRGINIA AES</b>														
HUTCHESON	--	--	--	91	--	--	--	--	--	--	--	--	--	91
<b>WILLCROSS</b>														
EE2495N*	--	--	--	--	--	93	--	--	--	--	--	--	--	93
RR2335N*	108	--	--	--	--	--	--	--	--	--	--	--	--	108
RR2354N*	99	--	--	--	--	--	--	--	--	--	--	--	--	99
RR2355N*	97	--	--	--	--	--	--	--	--	--	--	--	--	97
RR2362*	97	--	--	--	--	--	--	--	--	--	--	--	--	97
RR2383N*	--	116	103	--	--	--	--	85	--	--	--	--	--	102
RR2385N*	107	--	--	--	--	--	--	--	--	--	--	--	--	107
RR2388N*	--	--	--	--	--	--	--	101	--	--	--	--	--	101
RR2392N*	--	98	107	--	--	--	--	100	--	--	--	--	--	102
RR2393N*	--	91	107	--	--	--	--	--	--	--	--	--	--	99
RR2432N*	--	124	103	--	--	--	--	110	--	--	--	--	--	112
RR2445N*	--	--	95	--	--	--	--	107	--	--	--	--	--	101
RR2473NSTS*	--	--	94	--	--	--	--	96	--	--	--	--	--	95
RR2484N*	--	--	101	--	--	107	--	--	--	--	--	--	--	104
RR2494N*	--	--	--	--	--	103	--	--	--	--	--	--	--	103
RR2525N*	--	--	--	--	--	96	--	--	--	--	--	--	--	96
RR2542N*	--	--	--	--	--	101	--	--	--	--	--	--	--	101
RR2544NSTS	--	--	--	--	--	98	--	--	--	--	--	--	--	98
RR2549N*	--	--	--	--	--	94	--	--	--	--	--	--	--	94

**Table 16. Description of Entries in 2004 Soybean Performance Tests.\*\***

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora			Shattering score	SCN score
					R1	R3	R4	R14	Source	RR	Tolerance	STS		
ADVANCED GENETICS	AG3722NRR*	3.7	P	Bl	--	MR	--	--	--	Rps1c	2.5	--	--	64
ADVANCED GENETICS	AG4444NRR*	4.4	P	Bl	--	MR	--	MR	--	Rps1a	2.6	--	1	69
ADVANCED GENETICS	AG4677NRS*	4.6	P	Bl	--	R	--	MR	--	--	3.0	STS	--	23
ADVANCED GENETICS	AG4880NRS*	4.8	P	Bl	--	--	MR	--	--	Rps1a	2.6	STS	--	61
ADVANCED GENETICS	AG5012NRR*	5.0	W	Bf	--	MR	--	--	--	--	3.0	--	1	69
ADVANCED GENETICS	AG5333NRR*	5.3	W	Bf	--	R	--	MR	--	--	2.5	--	1	20
ADVANCED GENETICS	AG5424NRR*	5.4	W	Br	--	R	--	R	--	--	3.0	--	1	10
AGSOURCE	9354*	3.5	P	lb	--	R	--	MR	PI	Rps1c	2.5	--	--	44
AGSOURCE	9395*	3.9	P	Bl	--	R	--	MR	PI	Rps1k	2.0	--	--	50
AGSOURCE	9442*	4.4	P	Bl	--	MR	--	MR	PI	Rps1a	3.0	--	--	66
AGSOURCE	X45RS*	4.5	P	Bl	--	MR	--	LR	--	Rps1a	3.0	STS	--	103
ASGROW	AG3302*	3.3	P	lb	S	S	S	S	PI88788	Rps1c	7.0	STS	2	118
ASGROW	AG3305*	3.3	P	lb	--	--	--	--	--	--	--	--	--	14
ASGROW	AG3602*	3.6	P	lb	--	--	--	--	--	--	--	--	--	32
ASGROW	AG3802*	3.8	P	lb	--	--	--	--	--	--	--	--	--	29
ASGROW	AG3905*	3.9	P	Bl	S	R	S	S	PI88788	RPS1c	4.0	--	--	24
ASGROW	AG3906*	3.9	P	Bl	--	--	--	--	--	--	--	--	--	34
ASGROW	AG4102*	4.1	P	lb	--	--	--	--	--	--	--	--	--	14
ASGROW	AG4403*	4.4	P	Bl	S	MR	S	S	PI88788	Rps1a	5.0	--	2	75
ASGROW	AG4502*	4.5	P	Bl	S	MR	S	S	PI88788	RPS7	5.0	--	--	15
ASGROW	AG4603*	4.6	W	Bl	S	R	S	MR	PI88788	S	5.0	--	2	18
ASGROW	AG4801*	4.8	W	Bl	--	--	--	--	--	--	--	--	--	6
ASGROW	AG4903*	4.9	P	Bl	--	--	--	--	--	--	--	--	--	91
ASGROW	AG5301*	5.3	W	Bf	S	MR	S	MR	PI88788	Rps3a	2.0	--	1	9
ASGROW	AG5501*	5.5	P	lb	S	R	S	MR	PI88788	S	3.0	--	1	14
ASGROW	AG5603*	5.6	P	Bf	S	R	S	S	--	S	4.0	STS	1	15
ASGROW	AG5605*	5.6	P	lb	S	R	S	S	PI88788	S	3.0	--	--	9
CROPLAN GENETICS	RC3636*	3.6	--	--	--	--	--	--	--	--	--	--	1	101
CROPLAN GENETICS	RC3732*	3.7	P	lb	--	MR	--	--	PI88788	Rps1c	4.0	--	--	25
CROPLAN GENETICS	RC4013*	4.0	P	Bl	--	R	--	MR	PI88788	Rps1k	--	--	--	29
CROPLAN GENETICS	RC4233*	4.2	P	Bl	--	R	--	MR	PI88788	Rps1c	3.0	--	--	6
CROPLAN GENETICS	RC4444*	4.4	P	Bl	--	R	--	MR	PI88788	--	4.0	STS	1	71
CROPLAN GENETICS	RC4842*	4.8	P	Bl	--	R	--	MR	PI88788	--	5.0	--	--	16
CROPLAN GENETICS	RC5332*	5.3	P	lb	--	MR	--	MR	PI88788	Rps1c	4.0	--	--	23
CROPLAN GENETICS	RC5555*	5.5	W	Bf	--	R	--	MR	PI88788	--	--	--	--	26
DEKALB	DKB36-52*	3.6	W	Bf	--	--	--	--	--	--	--	--	--	27
DEKALB	DKB37-51*	3.7	P	lb	S	MR	S	S	--	RPS1c	5.0	--	--	42
DEKALB	DKB38-52*	3.8	W	Bf	MR	MR	S	S	--	Rps1c	4.0	--	1	17
DEKALB	DKB40-51*	4.0	P	lb	S	R	S	MR	--	S	5.0	--	2	23
DEKALB	DKB44-51*	4.4	P	Bl	S	MR	S	S	--	Rps1a	6.0	STS	1	74
DEKALB	DKB46-51*	4.6	W	Bl	S	R	S	R	--	S	4.0	--	--	17
DEKALB	DKB54-52*	5.4	W	Bf	--	--	--	--	--	--	--	--	--	20
DELTAPINE	DP3861RR*	3.8	P	G	--	MR	--	MR	--	rPS1C	2.5	--	1	38
DELTAPINE	DP4331RR*	4.3	P	Bf	--	MR	--	MR	--	rPS1A	1.5	--	--	49
DELTAPINE	DP4546RR*	4.5	W	Bl	--	--	--	--	--	--	--	--	--	99
DELTAPINE	DPX3950RR*	3.9	P	--	--	R	--	R	--	--	--	--	--	50
DELTAPINE	DPX4891RR*	4.8	P	Bl	--	R	--	R	--	--	--	--	--	16
DRUSSEL SEED	DSS 3772RR*	3.7	P	lb	--	MR	--	--	--	Rps1c	2.2	--	--	29
DRUSSEL SEED	DSS IDC70RR*	3.6	P	Br	S	S	S	S	--	Rps1k1a	2.5	--	--	99
DYNA-GRO	DG 31M25*	2.5	P	lb	--	--	--	--	--	Rps1k	1.0	--	--	17
DYNA-GRO	DG 31T31*	3.1	P	lb	--	R	--	R	PI88788	Rps1c	1.0	--	--	19
DYNA-GRO	DG 32C38*	3.8	W	Bf	--	R	--	MR	PI88788	Rps1c	2.0	--	--	13
DYNA-GRO	DG 3362NRR*	3.6	P	Bl	--	MR	--	MR	PI88788	Rps1k	1.0	--	1	100
DYNA-GRO	DG 3390NRR*	3.9	W	Bf	--	R	--	MR	PI88788	Rps1c	1.0	--	2	8
DYNA-GRO	DG 3443NRR*	4.4	P	Bl	--	R	--	MR	PI88788	Rps1a	1.0	--	2	48
DYNA-GRO	DG 34Z27*	2.7	P	lb	--	--	--	--	--	Rps1k	1.0	--	--	84
DYNA-GRO	DG 35B40*	4.0	W	Br	--	R	--	MR	PI88788	--	--	--	--	12
DYNA-GRO	DG 36K40*	4.0	W	Br	--	R	--	MR	PI88788	--	--	--	--	16
DYNA-GRO	DG 36M49*	4.9	P	Bl	--	R	--	MR	PI88788	--	1.0	--	--	16
DYNA-GRO	DG 37N43*	4.3	P	Bl	--	R	--	MR	PI88788	Rps1k	1.0	--	--	13



**Table 16. Description of Entries in 2004 Soybean Performance Tests\*\* - continued.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		STS	Shattering score	SCN score
					R1	R3	R4	R14	Source	RR	Tolerance			
DYNA-GRO	DG 38K28*	2.8	P	lb	--	--	--	--	--	--	2.0	--	--	82
DYNA-GRO	DG 38T47*	4.7	W	Bl	--	R	--	MR	PI88788	--	1.0	--	--	11
DYNA-GRO	DG-33A37*	3.7	P	lb	--	R	--	R	PI88788	Rps1c	1.0	--	--	27
DYNA-GRO	DG-37R39*	3.9	P	Bl	--	R	--	MR	PI88788	Rps1k	1.0	--	--	26
DYNA-GRO	SXO4237*	3.7	W	Bf	--	R	--	R	PI88788	--	--	--	--	6
DYNA-GRO	SXO4246*	4.6	P	Bl	--	R	--	MR	PI88788	--	1.0	--	--	10
DYNA-GRO	SXO4453*	5.3	W	Bf	--	R	--	MR	PI88788	--	--	--	--	15
GARST	3135RR*	3.1	W	Br	--	--	--	--	--	Rps1K	3.0	--	2	80
GARST	3212RR/N*	3.2	P	Bl	S	R	S	S	--	Rps1K	3.0	--	2	7
GARST	3535RR/STS*	3.5	P	lb	S	S	S	S	--	Rps1c	6.0	STS	--	101
GARST	3624RR/N*	3.6	P	lb	--	MR	--	--	--	Rps1c	2.0	--	--	24
GARST	3712RR/N*	3.7	P	Bl	--	S	--	--	--	Rps1k	3.0	--	1	87
GARST	3812RR/N*	3.8	P	lb	--	S	--	--	--	--	2.0	--	1	65
GARST	3824RR/N*	3.8	W	Bf	--	R	--	--	--	Rps1c	5.0	--	--	12
GARST	4212RR/STS/N*	4.2	P	Bl	--	R	--	--	--	--	3.0	STS	--	40
GARST	4512RR/N*	4.5	P	Bl	--	S	--	--	--	Rps1a	3.0	--	2	53
GARST	4612RR/N*	4.6	P	Bl	--	MR	--	MR	--	--	3.0	--	--	27
GARST	5012RR/N*	5.0	P	Bf	--	MR	--	MR	--	--	3.0	--	--	17
GARST	5212RR/N*	5.2	P	Bl	--	MR	--	MR	--	--	2.0	--	--	17
GARST	5412RR/STS/N*	5.4	W	Bf	--	R	--	MR	--	--	5.0	STS	--	49
GARST	D484RR/N*	4.8	W	Bl	--	R	--	MR	--	--	3.0	--	1	9
HAMON	3704NRR*	3.7	W	Bl	--	R	--	R	--	--	2.0	--	--	10
HELENA	3574*	3.5	W	Bl	MR	R	--	--	--	Rps1k	--	--	--	44
HELENA	3814*	3.8	P	Bl	--	--	--	--	--	Rps1k	--	--	--	90
KANSAS AES	K1603RR*	5.0	--	--	--	--	--	--	--	--	--	--	--	73
KANSAS AES	K1633RR*	4.8	--	--	--	--	--	--	--	--	--	--	--	9
KANSAS AES	K1637RR*	5.0	--	--	--	--	--	--	--	--	--	--	--	75
KANSAS AES	KS4404RR*	4.0	--	--	--	--	--	--	--	--	--	--	2	94
KANSAS AES	KS4704RR*	4.0	--	--	--	--	--	--	--	--	--	--	--	114
KANSAS AES	KS5004N	5.0	--	--	--	R	--	--	--	--	--	--	1	1
KRUGER	K-328RR*	3.2	--	--	--	--	--	--	--	--	--	--	--	96
KRUGER	K-346RR/SCN*	3.4	--	--	--	--	--	--	PI88788	--	--	--	--	9
KRUGER	K-349RR*	3.4	P	lb	--	--	--	--	--	Rps1c	--	--	--	11
KRUGER	K-355RR/SCN*	3.5	W	Bl	--	--	--	--	PI88788	Rps1k	--	--	--	26
KRUGER	K-379RR/SCN*	3.7	P	lb	--	MR	--	MR	PI88788	Rps1c	--	--	1	44
KRUGER	K-380RR/SCN*	3.8	W	Bf	--	R	--	MR	PI88788	Rps1c	--	--	2	15
KRUGER	K-389RR/SCN*	3.8	W	Bf	--	--	--	--	PI88788	Rps1c	--	--	--	5
KRUGER	K-393RR/SCN*	3.9	W	Br	--	--	--	--	PI88788	Rps1k	--	--	--	49
KRUGER	K-404RR*	4.0	P	Bl	--	--	--	--	PI88788	Rps1k	--	--	--	91
KRUGER	K-434RR/SCN*	4.3	--	--	--	--	--	--	PI88788	--	--	--	--	15
KSOY	KS4602N	4.7	P	Bl	R	R	S	S	PI209332	S	--	--	1	18
KSOY	KS5502N	5.2	P	lb	R	R	R	R	PI437654	S	--	--	1	0
LEWIS	3853*	3.8	W	Bu	S	MR	MR	MR	PI88788	Rps1c	2.0	STS	--	16
LEWIS	3875*	3.8	P	Bl	S	R	MR	MR	PI88788	Rps1k	2.0	--	--	35
LEWIS	4010*	4.0	W	Br	S	R	MR	MR	PI88788	--	3.0	--	--	13
LG SEEDS	C3322NRR	3.3	P	Bl	--	R	--	MR	PI88788	Rps1k	9.0	--	--	11
MARYLAND AES	MANOKIN	5.0	W	Bl	R	R	--	S	PEKING	S	--	--	1	11
MFA MORSOY	RT 4334N*	4.3	P	Bl	MR	MR	MR	MR	PI88788	--	2.5	--	--	15
MFA MORSOY	RT 4731N*	4.7	W	Bl	MR	MR	MR	MR	PI88788	--	1.9	--	1	10
MFA MORSOY	RT 4993N*	4.9	P	Bl	R	R	R	R	PI88788	--	1.5	--	--	12
MFA MORSOY	RT 5043N*	5.0	P	Bl	R	R	R	R	PI88788	--	1.9	--	--	14
MFA MORSOY	RT 5110N*	5.3	P	Bf	MR	MR	MR	MR	PI88788	--	2.1	--	1	10
MFA MORSOY	RT 5154N*	5.1	P	Bl	MR	R	MR	MR	PI88788	--	2.0	--	--	9
MFA MORSOY	RTS 4824*	4.8	P	Bl	S	S	S	S	--	Rps1a	2.0	STS	--	81
MIDLAND	9A355XRR*	3.5	W	Bf	R	R	R	R	CystX	--	--	--	--	10
MIDLAND	9A373NRR*	3.7	--	--	MR	MR	--	--	PI88788	Rps1c	2.2	--	--	47
MIDLAND	9A375XRR*	3.7	W	Bf	R	R	R	R	CystX	--	--	--	--	10
MIDLAND	9A385NRS*	3.8	W	Bf	--	R	--	--	PI88788	Rps1c	1.7	STS	--	15
MIDLAND	9A402NRR*	4.0	W	Bf	--	R	--	--	PI88788	--	2.1	--	--	25
MIDLAND	9A405NRR*	4.0	W	Bl	--	R	MR	--	PI88788	RG1k	1.4	--	--	14

**Table 16. Description of Entries in 2004 Soybean Performance Tests\*\* - continued.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		Shattering score	SCN score	
					R1	R3	R4	R14	Source	RR	Tolerance			
MIDLAND	9A432NRS*	4.3	P	lb	S	R	S	MR	PI88788	--	1.8	STS	1	20
MIDLAND	9A455NRR*	4.5	P	Bl	--	R	--	MR	PI88788	--	1.9	--	--	7
MIDLAND	9A485XRR*	4.8	W	--	R	R	--	MR	PuSCN-14	--	--	--	--	0
MIDLAND	9A494XRR*	4.9	P	--	R	R	S	MR	PuSCN-14	--	--	--	--	1
MIDLAND	9A545NRS*	5.4	P	Bf	--	R	--	MR	PI88788	Rps1c	2.5	STS	--	15
MIDLAND	9A564NRS*	5.6	W	Bf	--	R	--	--	PI88788	--	2.8	STS	--	17
MIDLAND	9B395NRR*	3.9	W	Br	--	R	--	--	PI88788	--	--	--	--	8
MIDLAND	9B445NRS*	4.4	P	Bl	--	R	--	--	PI88788	--	1.8	STS	--	18
MIDLAND	9B485XRR*	4.8	W	--	MR	R	MR	MR	PuSCN-14	--	--	--	--	43
MIDLAND	9G485X	4.8	--	--	--	--	--	--	PuSCN-14	--	--	--	--	1
MIDLAND-PHILLIPS	9A415NRR*	4.1	P	lb	--	MR	--	--	--	--	1.5	--	--	25
MIDLAND-PHILLIPS	9A465NRR*	4.6	P	Bl	--	--	--	--	--	--	1.8	--	--	28
MIDLAND-PHILLIPS	9B333RS*	3.3	P	lb	--	--	--	--	--	Rps1c	1.8	--	1	71
MIDLAND-PHILLIPS	9B345NRR*	3.4	--	--	--	--	--	--	--	Rps1c	2.0	--	--	9
MIDLAND-PHILLIPS	9B354RS*	3.5	P	lb	--	--	--	--	--	Rps1c	1.8	--	--	93
MIDLAND-PHILLIPS	9B374NRR*	3.7	P	lb	--	MR	--	MR	PI88788	Rps1c	2.2	--	--	27
MIDLAND-PHILLIPS	9B385NRS*	3.8	W	Bf	--	--	--	--	--	Rps1c	1.7	--	--	11
MIDLAND-PHILLIPS	9B404NRR*	4.0	P	Bl	--	R	--	MR	PI88788	Rps1K	1.8	--	--	34
MIDLAND-PHILLIPS	9G325NRR*	3.2	P	lb	--	--	--	--	--	Rps1k	1.9	--	--	35
M-PRIDE	MPB3805NRR*	3.8	W	Bf	--	R	--	--	PI88788	--	1.7	--	--	14
M-PRIDE	MPV3903NRR*	3.9	W	Bf	--	R	--	MR	--	Rps1c	--	--	--	11
M-PRIDE	MPV3905NRR*	3.9	P	lb	--	R	--	R	--	Rps1k	--	--	--	19
M-PRIDE	MPV4305NRR*	4.3	P	Bl	--	MR	--	--	--	HRps1k	--	--	--	10
M-PRIDE	MPV4705NRR*	4.7	W	Bl	--	R	--	MR	--	--	1.9	--	--	15
M-PRIDE	MPV4805NRR*	4.8	P	Bl	MR	R	--	--	--	--	2.0	--	--	9
M-PRIDE	MPV4904NRR*	4.9	W	Br	--	R	--	R	PI88788	--	2.0	--	--	19
M-PRIDE	MPV4905NRR*	4.9	P	Bl	--	R	--	--	PI88788	--	1.9	--	--	11
M-PRIDE	MPV5504NRR*	5.5	W	Br	--	R	--	R	PI88788	--	2.0	--	1	16
M-PRIDE	MPV5505NRR*	5.5	W	Bf	--	MR	--	--	--	--	2.5	--	--	7
NK	S29-C9*	2.9	W	Br	S	S	S	S	--	--	4.0	--	2	33
NK	S32-G5*	3.2	P	lb	S	S	S	S	--	Rps1c	3.0	--	1	97
NK	S35-A6*	3.5	P	Bf	S	S	S	S	--	Rps1c	4.0	--	1	83
NK	S35-F9*	--	--	--	--	R	--	MR	--	--	3.0	--	--	94
NK	S37-N4*	3.7	W	Bl	--	R	--	MR	--	Rps1c	3.0	--	1	12
NK	S39-K6*	3.9	P	Bl	--	R	--	MR	--	--	3.0	--	1	13
NK	S40-R9*	4.0	P	Bl	--	R	--	MR	--	--	2.0	--	2	17
NK	S42-P7*	4.2	W	Bl	--	R	--	MR	--	--	3.0	--	2	12
NK	S46-W8*	4.3	P	Bl	--	R	--	MR	--	Rps1c	4.0	--	2	8
NK	S49-Q9*	4.9	P	Bl	--	R	--	R	--	Rps1c	3.0	--	--	9
NK	S52-U3*	5.2	W	Bf	--	R	--	MR	--	--	3.0	--	1	13
NK	S57-P1*	5.3	P	lb	--	R	--	R	--	--	4.0	STS	--	10
OHLDE	O-3242RR*	3.2	--	--	--	--	--	--	--	--	--	--	--	67
OHLDE	O-3522NRR*	3.5	--	--	--	--	--	--	--	--	--	--	--	30
OHLDE	O-3712NRR*	3.7	--	--	--	--	--	--	--	--	--	--	--	55
OHLDE	O-3882NRR*	3.8	--	--	--	--	--	--	--	--	--	--	--	24
OHLDE	O-4202NRR*	4.2	--	--	--	--	--	--	--	--	--	--	--	14
OHLDE	X3334NRR*	3.3	--	--	--	--	--	--	--	--	--	--	--	21
OHLDE	X3727NRS*	3.7	--	--	--	--	--	--	--	--	--	--	--	21
OHLDE	X3932NRR*	3.9	--	--	--	--	--	--	--	--	--	--	--	18
PIONEER	93B36*	3.3	P	Bl	S	S	--	S	--	Rps1k	5.0	--	2	50
PIONEER	93B85*	3.8	P	Bl	MS	R	--	MR	PI88788	--	3.0	--	2	13
PIONEER	93M11*	3.1	P	Bl	--	--	--	--	--	Rps1k	5.0	--	--	94
PIONEER	93M50*	3.5	W	Bl	MS	MR	--	MS	PI88788	Rps1k	4.0	--	--	18
PIONEER	93M80*	3.8	P	Bl	MS	R	--	MR	PI88788	Rps 1c	4.0	--	--	13
PIONEER	93M92*	3.9	W	Bl	--	--	--	--	--	Rps1k	5.0	--	--	96
PIONEER	94B13*	4.1	W	Bl	MS	MR	--	MR	PI88788	--	4.0	--	1	15
PIONEER	94B73*	4.7	P	Bl	--	--	--	--	--	Rps1k	6.0	--	--	117
PIONEER	94M90*	4.9	P	Bl	MS	R	--	--	PI88788	--	3.0	--	--	19
PIONEER	95B42*	5.4	P	lb	MS	MR	--	MS	PI88788	--	3.0	--	1	35
PIONEER	95B53*	5.5	W	Bl	MS	R	--	R	PI88788	--	3.0	--	1	20
PRAIRIE BRAND	PB-3894NRR*	3.8	W	Bf	--	R	--	--	PI88788	Rps1c	4.0	STS	--	20

**Table 16. Description of Entries in 2004 Soybean Performance Tests\*\* - continued.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		Shattering score	SCN score	
					R1	R3	R4	R14	Source	RR	Tolerance			
PRAIRIE BRAND	PB-4583NRR*	4.5	P	Bl	--	R	--	--	PI88788	--	5.0	STS	--	18
PRAIRIE BRAND	PB-5083NRR*	5.0	P	Bl	--	R	--	--	PI88788	--	5.0	--	--	12
RAINBOW	4430NRS*	4.3	--	--	--	--	--	--	--	--	--	STS	--	12
RENZE	R3595RCX*	3.5	W	Bf	R	R	R	R	Cyst X	--	--	--	--	11
RENZE	R3684Rcn*	3.6	P	lb	--	R	R	R	PI88788	Rps1c	3.0	--	--	30
RENZE	R3814RR*	3.8	P	Bl	S	S	S	S	PI88788	Rps1k	3.0	--	--	98
RENZE	R3835SRcn*	3.8	W	Bf	--	R	R	R	PI88788	Rps1c	3.0	STS	--	14
RENZE	R3994Rcn*	3.9	P	Bl	--	R	R	R	PI88788	Rps1k	2.0	--	--	26
RENZE	R4095Rcn*	4.0	P	Bl	--	R	R	R	PI88788	S	3.0	--	--	30
RENZE	R4385Rcn*	4.3	P	Bl	--	R	R	R	PI88788	RpsHk	3.0	--	--	12
RENZE	R4695Rcn*	4.6	P	Bl	--	R	R	R	PI88788	S	3.0	--	--	25
STINE	S3532-4*	3.5	W	Bl	--	R	R	--	PI88788	Rps1k	2.0	--	--	57
STINE	S3600-4*	3.6	P	Bl	--	--	--	--	--	--	2.0	--	--	111
STINE	S3832-4*	3.8	P	Bl	--	R	R	--	PI88788	Rps1k	2.0	--	--	21
STINE	S3932-4*	4.0	P	Bl	--	R	R	--	PI88788	Rps1k	2.0	--	--	30
STINE	S3942-4*	3.9	P	Bl	--	R	R	--	PI88788	Rps1k	2.0	--	--	36
STINE	S4102-4*	4.1	P	Bl	--	R	R	--	PI88788	--	2.0	STS	1	54
STINE	S4542-4*	4.5	P	Bl	--	R	R	--	PI88788	--	2.0	--	--	26
STINE	S4842-4*	4.8	P	Bl	--	R	R	--	PI88788	--	2.0	--	--	16
TAYLOR	374RR*	3.7	--	--	S	R	S	MR	PI88788	Rps1c	3.0	--	1	54
TAYLOR	387RR*	3.9	--	--	--	S	--	S	--	Rps1k	2.0	--	--	117
TAYLOR	427RR*	4.2	--	--	S	R	S	MR	PI88788	Rps1a	2.0	STS	2	17
TAYLOR	444RR*	4.4	--	--	S	R	S	MR	PI88788	Rps1a	3.0	--	1	66
TAYLOR	EXP3530RR*	3.5	--	--	--	S	--	MR	--	Rps1a	2.5	--	--	70
TAYLOR	EXP3980RRS*	3.9	--	--	--	R	--	MR	PI88788	Rps1c	3.0	STS	--	11
TAYLOR	EXP4280RR*	4.2	--	--	--	R	--	MR	PI88788	Rps1k	2.5	--	--	9
TAYLOR	EXP4550RR*	4.5	--	--	--	R	--	MR	PI88788	--	2.5	--	--	5
TAYLOR	EXP4870RRS*	4.8	--	--	--	S	--	MR	--	Rps1a	3.0	STS	--	71
VIRGINIA AES	HUTCHESON	5.2	W	Bf	S	S	S	S	--	S	--	--	1	67
WILLCROSS	EE2495N*	4.9	W	Bl	--	R	--	--	--	--	2.0	--	--	38
WILLCROSS	RR2335N*	3.3	P	lb	--	MR	--	--	PI88788	Rps1k	1.8	--	--	15
WILLCROSS	RR2354N*	3.5	W	Bl	MR	R	--	--	PI88788	Rps1k	2.0	--	--	32
WILLCROSS	RR2355N*	3.5	P	lb	MR	R	--	--	PI88788	Rps1c	--	--	--	19
WILLCROSS	RR2362*	3.8	P	Bl	--	--	--	--	--	Rps1k	2.0	--	--	88
WILLCROSS	RR2383N*	3.8	P	Bl	--	R	--	R	--	Rps1k	1.6	--	1	73
WILLCROSS	RR2385N*	3.8	W	Bf	--	--	--	--	PI88788	Rps1c	1.7	STS	--	16
WILLCROSS	RR2388N*	3.8	W	Bl	--	MR	--	R	--	--	1.6	--	1	7
WILLCROSS	RR2392N*	3.9	W	Bf	--	R	R	MR	PI88788	Rps1a	1.9	--	3	8
WILLCROSS	RR2393N*	3.9	P	Bl	--	R	--	R	PI88788	Rps1k	--	--	--	8
WILLCROSS	RR2432N*	4.3	P	Bl	--	R	--	R	--	Rps1a	1.9	--	2	48
WILLCROSS	RR2445N*	4.4	P	Bl	--	--	--	--	--	Rps1k	1.5	--	--	23
WILLCROSS	RR2473NSTS*	4.7	--	--	--	R	--	R	--	--	2.1	STS	1	23
WILLCROSS	RR2484N*	--	W	Bl	--	R	--	R	--	--	1.8	--	--	10
WILLCROSS	RR2494N*	4.9	P	Bl	--	--	--	--	--	--	1.9	--	--	14
WILLCROSS	RR2525N*	5.2	W	Bf	--	R	--	--	--	--	1.5	--	--	8
WILLCROSS	RR2542N*	5.4	W	Bf	--	R	--	R	--	--	1.9	--	1	12
WILLCROSS	RR2544NSTS	5.4	W	Bf	--	R	--	R	--	--	1.8	STS	--	7
WILLCROSS	RR2549N*	5.4	P	Bf	--	R	--	R	--	Rps1c	1.9	--	1	10

\* Roundup®-resistant variety

\*\*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

SCN score: percentage Soybean Cyst Nematode Race 3 production on the roots compared to the most susceptible 10% of varieties

evaluated. Egg production on those susceptible varieties averaged 1707 eggs per pot. Evaluations were conducted in the greenhouse, with three replications per variety. Unless two varieties differ by more than the LSD of 24, the level of resistance cannot be considered superior to that of another. CV for SCN scores was 3%.

All information except for shattering and SCN scores supplied by entrant.

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