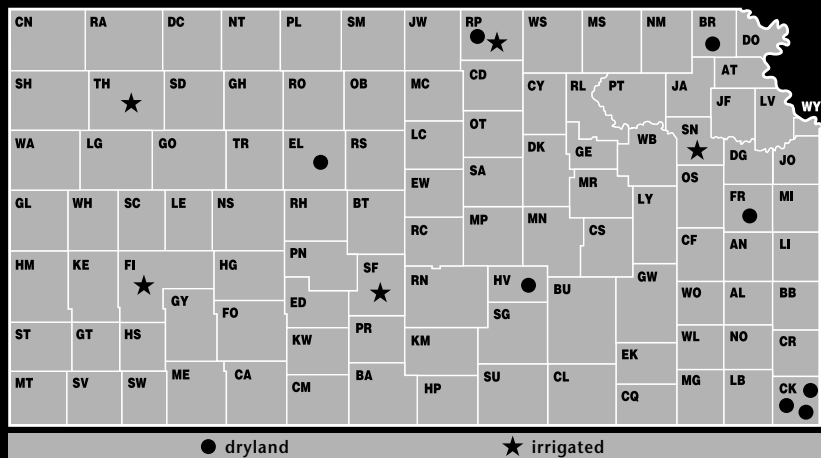


2003

KANSAS PERFORMANCE TESTS WITH SOYBEAN VARIETIES

REPORT OF PROGRESS 916

Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service



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2003 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[®]-resistant varieties either in the standard trials or in separate Roundup[®] trials. Most of the Roundup[®]-resistant varieties were entered in the Roundup[®] tests, but several also were entered in the standard tests. An asterisk (*) following the entry name is used to identify Roundup[®]-resistant entries in the tables.

Entries were planted in four-row plots with rows 30 inches apart, except in the Ellis County test where row width was 24 inches, and 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 where 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 18. Relative yields of each entry from all locations are shown in Tables 19 and 20. Results of the tests also can be found at the Kansas Crop Performance Test home page: <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.

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 2003 Kansas Soybean Performance Tests

<p>Maryland AES College Park MD agnr.umd.edu</p>	<p>CSF Corley Seed Farms Westphalia KS 800-279-4328 corleyseedfarms.com</p>	<p>Midland Phillips Seed Farms Hope KS 785-949-2204 midlandgenetics.com</p>	<p>Prairie Brand Prairie Brand Seed Co Story City IA 800-544-8751 prairiebrand.com</p>
<p>Iowa AES Ames IA ag.iastate.edu</p>	<p>Deltapine Delta & Pine Land Co. Lubbock TX 806-740-1600 deltaandpine.com</p>	<p>Midland Midland Genetics Group Ottawa KS 800-819-SEED midlandgenetics.com</p>	<p>Renze Renze Hybrids Carroll IA 712-669-3301 renzehybrids.com</p>
<p>KS AES Manhattan KS 785-532-7242 oznet.ksu.edu</p>	<p>Dyna-Gro UAP-Pueblo Garden City KS 620-275-6127 uap.com</p>	<p>Midwest Seed Midwest Seed Genetics Carroll IA 800-369-8218 midwestseed.com</p>	<p>Stine Stine Seed Co Adel IA 800-362-2510 stineseed.com</p>
<p>Virginia AES Blacksburg VA ext.vt.edu</p>	<p>Garst Garst Seed Co Slater IA 800-831-6630 garstseed.com</p>	<p>M-Pride Midwest Premium Genetics Concordia MO 800-622-1150</p>	<p>Taylor Taylor Seed Farms Inc White Cloud KS 800-742-7473 taylorseedfarms.com</p>
<p>Advanced Genetics Star Seed Inc. Beloit KS 800-782-7611 gostarseed.com</p>	<p>Helena Helena Chemical Co. W. Des Moines IA 515-309-3463 helenachemical.com</p>	<p>NC+ NC+ Hybrids Lincoln NE 402-467-2517 nc-plus.com</p>	<p>Thompson Thompson Seeds Leland IA 800-942-6748 thompsonseeds.com</p>
<p>Advanced Genetics Ohlde Seed Farms Palmer KS 785-692-4555</p>	<p>Kruger Kruger Seed Co Dike IA 800-772-2721 krugersseed.com</p>	<p>NK Syngenta Seeds Lincoln NE 402-420-6664 nk-us.com</p>	<p>Triumph Triumph Seed Co Inc Ralls TX 800-530-4789 triumphseed.com</p>
<p>Advanced Genetics DeLange Seed Girard KS 620-724-6223 delangeseed.com</p>	<p>Lewis Lewis Hybrids Inc Ursa IL 800-252-7851 lewishybrids.com</p>	<p>Nu Pride Rezac Seed Valparaiso NE 402-784-3875</p>	<p>Willcross Neco Seed Farms Garden City MO 816-862-8203</p>
<p>Asgrow/DeKalb Monsanto Seed St. Louis MO 800-833-5252 farmsource.com or monsanto.com</p>	<p>MFA MFA Incorporated Columbia MO 573-876-5285 morsoy.com</p>	<p>Pioneer Pioneer, A DuPont Co. Lakewood CO 800-258-5604 pioneer.com</p>	<p>Willcross Willcross Seed King City MO 800-411-5957 willcross.com</p>

East Central KS Experiment Field, Ottawa, Franklin County; Keith Janssen, agronomist, 785-242-2330

Woodson silt loam, pH na, % OM na; P test: na, K test: na
0-0-125 lbs N-P-K fertilizer

Unusually hot and dry growing season with limited rainfall during seed-fill for group III and early group IV entries. The later maturing entries in the test responded favorably to the cooler temperatures and abundant rainfall in late August and early September.

April May June July Aug. Sept. Total

Rainfall: 4.5 4.5 4.9 1.2 8.6 2.2 25.3

Planted 6/10/2003 at 8 seeds/ft; harvested 10/27/2003; 13.5 ft. by 2-row plot; pesticides: 5.1 oz. Canopy XL

Table 2. Franklin Co. Soybean Performance Test, Ottawa, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
CSF	4602C	24.4	10.3	--	17.4	--	119	128	--	10/17	1.0	22
KSOY	KS4202	17.9	8.2	40.2	13.1	22.1	88	101	114	10/13	1.0	20
KSOY	KS4602N	21.3	10.2	--	15.7	--	104	126	--	10/18	1.0	21
KSOY	STRESSLAND	23.1	6.5	31.1	14.8	20.2	113	80	88	10/11	1.0	23
PIONEER	93B86	21.5	11.4	--	16.4	--	105	141	--	10/11	1.0	23
PUBLIC	IA3010	15.1	9.3	32.8	12.2	19.1	74	115	93	9/24	1.0	18
PUBLIC	K1514	20.0	6.8	--	13.4	--	98	85	--	10/15	1.0	22
PUBLIC	K1519	22.6	6.3	--	14.4	--	110	78	--	10/16	1.0	24
PUBLIC	K1547	19.7	--	--	--	--	96	--	--	9/26	1.0	17
PUBLIC	K1548	21.2	--	--	--	--	104	--	--	10/7	1.0	19
PUBLIC	K1560	7.5	--	--	--	--	37	--	--	9/22	1.0	18
PUBLIC	K1563	19.6	--	--	--	--	96	--	--	10/11	1.0	20
PUBLIC	K1566	23.9	--	--	--	--	117	--	--	10/16	1.0	20
PUBLIC	K1567	26.1	--	--	--	--	127	--	--	10/14	1.0	25
PUBLIC	K1572	21.5	--	--	--	--	105	--	--	10/13	1.0	21
PUBLIC	K1592	20.0	--	--	--	--	98	--	--	10/5	1.0	24
PUBLIC	WILLIAMS 82	22.7	6.0	31.5	14.4	20.1	111	74	90	10/12	1.0	25
AVERAGES		20.5	8.1	35.2								
CV (%)		7.9	16.2	7.5								
LSD (0.10)		2.2	1.8	3.6								

Southeast Agricultural Res-Ext Center, Columbus, Cherokee County; James Long, agronomist, 620-421-4826

Parsons silt loam, pH 6.3, 2% OM; P test: M, K test: L
0-0-0 lbs N-P-K fertilizer

Near normal early season growing conditions gave way to hot and dry weather in July and August. The later maturing entries in the test responded favorably to the cooler temperatures and abundant rainfall in late August and early September.

April May June July Aug. Sept. Total

Rainfall: 3.7 6.2 3.2 2.0 9.6 11.2 35.9

Planted 6/5/2003 at 7 seeds/ft; harvested 10/16/2003; 14 ft. by 2-row plot; pesticides: 3 pt. Squadron, 3 oz. Authority

Table 3. Cherokee Co. Soybean Performance Test, MG III-IV, Columbus, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4602N	27.1	14.8	--	21.0	--	137	105	--	10/1	1.0	29
GARST	4512RR/N*	25.4	--	--	--	--	128	--	--	9/30	1.0	27
KSOY	KS4202	17.0	12.3	17.3	14.7	15.5	86	87	115	9/25	1.0	25
KSOY	KS4602N	25.9	20.0	--	22.9	--	131	142	--	10/7	1.0	29
KSOY	STRESSLAND	19.5	--	16.4	--	--	99	--	109	9/24	1.0	30
PUBLIC	IA3010	16.6	16.6	12.5	16.6	15.2	84	118	83	9/20	1.0	22
PUBLIC	K1514	21.2	12.6	--	16.9	--	107	89	--	9/24	1.0	29
PUBLIC	K1519	21.2	16.7	--	18.9	--	107	119	--	9/28	1.0	30
PUBLIC	K1547	18.1	--	--	--	--	92	--	--	9/21	1.0	20
PUBLIC	K1548	21.7	--	--	--	--	110	--	--	9/21	1.0	23
PUBLIC	K1560	11.4	--	--	--	--	57	--	--	9/10	1.0	22
PUBLIC	K1563	16.8	--	--	--	--	85	--	--	9/24	1.0	23
PUBLIC	K1566	23.6	--	--	--	--	119	--	--	9/27	1.0	27
PUBLIC	K1567	20.7	--	--	--	--	105	--	--	9/28	1.0	31
PUBLIC	K1572	16.8	--	--	--	--	85	--	--	9/26	1.0	28
PUBLIC	K1592	18.0	--	--	--	--	91	--	--	9/23	1.0	28
PUBLIC	WILLIAMS 82	15.4	12.6	14.0	14.0	14.0	78	89	94	9/24	1.0	30
AVERAGES		19.8	14.1	15.0								
CV (%)		16.8	24.9	17.0								
LSD (0.10)		3.5	4.2	3.5								

Southeast Agricultural Res-Ext Center, Columbus, Cherokee County; James Long, agronomist, 620-421-4826

Parsons silt loam, pH 6.3, 2% OM; P test: M, K test: L
0-0-0 lbs N-P-K fertilizer

Near normal early season growing conditions gave way to hot and dry weather in July and August. The later maturing entries in the test responded favorably to the cooler temperatures and abundant rainfall in late August and early September.

April May June July Aug. Sept. Total

Rainfall: 3.7 6.2 3.2 2.0 9.6 11.2 35.9

Planted 6/5/2003 at 7 seeds/ft; harvested 10/23/2003; 14 ft. by 2-row plot; pesticides: 3 pt. Squadron, 3 oz. Authority

Table 4. Cherokee Co. Soybean Performance Test, MG IVS-V, Columbus, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4997N	27.1	--	--	--	--	95	--	--	10/13	1.0	28
KSOY	KS4997	27.8	19.7	24.8	23.7	24.1	97	106	103	10/12	1.0	22
KSOY	KS5502N	32.8	22.8	29.5	27.8	28.4	115	123	123	10/17	1.0	25
PIONEER	94M70*	24.5	--	--	--	--	86	--	--	10/14	1.0	27
PIONEER	95B42*	28.0	22.0	--	25.0	--	98	119	--	10/17	1.0	26
PIONEER	95B53*	32.6	24.5	26.6	28.5	27.9	114	132	110	10/17	1.0	24
PUBLIC	HUTCHESON	25.9	20.6	27.4	23.2	24.6	91	111	114	10/17	1.0	23
PUBLIC	K1530	30.6	22.0	--	26.3	--	107	119	--	10/14	1.0	26
PUBLIC	K1574	26.7	--	--	--	--	94	--	--	10/13	1.0	22
PUBLIC	K1575	29.6	--	--	--	--	104	--	--	10/14	1.0	20
PUBLIC	KS5292	27.5	17.7	21.2	22.6	22.2	96	96	88	10/17	1.0	26
PUBLIC	MANOKIN	29.7	19.5	29.2	24.6	26.2	104	105	121	10/12	1.0	24
AVERAGES		28.6	18.5	24.1								
CV (%)		7.5	12.9	11.2								
LSD (0.10)		2.3	2.8	3.7								

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

Near normal early season growing conditions gave way to hot and dry weather in July and August. The later maturing entries in the test responded favorably to the cooler temperatures and abundant rainfall in late August and early September.

April May June July Aug. Sept. Total

Rainfall: 3.7 6.2 3.2 2.0 9.6 11.2 35.9

Planted 6/18/2003 at 7 seeds/ft; harvested 11/3/2003; 14 ft. by 2-row plot; pesticides: 3 pt. Squadron, 3 oz. Authority

Table 5. Cherokee Co. Soybean Performance Test on Cyst Nematode-Infested Soil, Columbus, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4602N	21.0	14.1	--	17.5	--	76	106	--	10/8	1.0	21
ADVANCED GENETICS	AG4997N	29.4	--	--	--	--	107	--	--	10/11	1.0	26
GARST	5412RR/STS/N*	31.5	--	--	--	--	114	--	--	10/26	1.0	26
GARST	D445N	20.1	13.0	18.2	16.6	17.1	73	98	108	10/15	1.0	21
GARST	D484RR/N*	26.3	--	--	--	--	95	--	--	10/16	1.0	23
KSOY	KS4602N	20.3	14.4	17.8	17.4	17.5	73	109	106	10/10	1.0	20
KSOY	KS4997	24.2	15.3	17.5	19.7	19.0	88	115	104	10/14	1.0	20
KSOY	KS5502N	35.6	14.9	22.4	25.2	24.3	129	112	134	10/24	1.0	24
KSOY	STRESSLAND	20.4	--	14.4	--	--	74	--	86	10/8	1.0	24
PIONEER	94M70*	23.1	--	--	--	--	84	--	--	10/11	1.0	22
PIONEER	95B42*	29.7	14.9	--	22.3	--	108	112	--	10/22	1.0	25
PIONEER	95B53*	34.4	15.7	22.7	25.0	24.3	125	118	135	10/23	1.0	24
STINE	S5142-4*	24.8	--	--	--	--	90	--	--	10/20	1.0	23
PUBLIC	HUTCHESON	28.6	16.5	18.8	22.6	21.3	104	125	112	10/24	1.0	23
PUBLIC	K1530	32.2	16.9	--	24.6	--	117	127	--	10/22	1.0	24
PUBLIC	K1575	31.1	--	--	--	--	113	--	--	10/19	1.0	19
PUBLIC	KS5292	30.6	12.8	17.7	21.7	20.4	111	97	105	10/23	1.0	23
PUBLIC	MANOKIN	33.3	17.5	21.7	25.4	24.2	121	132	129	10/17	1.0	25
AVERAGES		27.6	13.3	16.8								
CV (%)		8.8	17.5	15.1								
LSD (0.10)		2.6	3.3	3.0								

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

Crete silt loam, pH 6.8, 2.8% OM; P test: M, K test: M
10-34-0 lbs N-P-K fertilizer

Good early season growing conditions prevailed, with adequate rainfall through June. Above average temperatures and below average rainfall persisted through July and August, but beneficial precipitation was received in late August.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.7	5.7	10.8	0.1	5.6	7.5	33.4
Irrigation:				5.5	3.0		8.5

Planted 5/14/2003 at 10 seeds/ft; harvested 10/10/2003; 25 ft. by 2-row plot; pesticides: 1.5 pt. Dual, 0.6 oz. First Rate

Table 6. Republic Co. Irrigated Soybean Performance Test, Scandia, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
GARST	3906N	59.1	--	--	--	--	105	--	--	10/8	1.0	36
KSOY	KS4202	55.3	62.1	77.5	58.7	64.9	98	101	121	10/9	1.0	33
KSOY	KS4602N	54.5	54.1	--	54.3	--	96	88	--	10/11	1.0	34
KSOY	STRESSLAND	53.2	54.4	57.6	53.8	55.1	94	89	90	10/8	1.3	37
PUBLIC	IA3010	48.1	66.1	60.7	57.1	58.3	85	108	94	9/29	2.0	26
PUBLIC	K1514	64.7	60.9	--	62.8	--	115	99	--	10/8	1.0	33
PUBLIC	K1519	57.0	53.7	--	55.4	--	101	88	--	10/9	1.0	36
PUBLIC	K1547	60.1	--	--	--	--	106	--	--	10/7	1.0	27
PUBLIC	K1548	56.5	--	--	--	--	100	--	--	10/8	1.0	30
PUBLIC	K1560	63.5	--	--	--	--	112	--	--	10/9	1.0	29
PUBLIC	K1563	57.1	--	--	--	--	101	--	--	10/8	1.0	26
PUBLIC	K1566	51.6	--	--	--	--	91	--	--	10/8	1.0	30
PUBLIC	K1567	60.0	--	--	--	--	106	--	--	10/8	1.0	37
PUBLIC	K1572	58.0	--	--	--	--	103	--	--	10/7	1.0	33
PUBLIC	K1592	56.0	--	--	--	--	99	--	--	10/9	1.0	35
PUBLIC	WILLIAMS 82	49.5	49.6	59.5	49.5	52.9	88	81	93	10/9	1.0	36
AVERAGES		56.5	61.3	64.3								
CV (%)		5.5	9.1	3.8								
LSD (0.10)		4.3	7.7	3.4								

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

Irwin silty clay loam, pH 6.7, 1.9% OM; P test: VH, K test: VH
0-0-0 lbs N-P-K fertilizer

No-till planted with limited moisture, but generally emerged in 6 days. Temperatures and precipitation were below average in June. In July and August, temperatures were nearly 2 ° above normal, and rainfall was far below normal. These weather factors produced considerable drought stress. Late-season rainfall and an unusually late frost enabled plants to produce respectable yields.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	4.0	4.9	2.9	0.9	4.3	3.8	20.8

Planted 6/14/2003 at 8 seeds/ft; harvested 11/12/2003; 30 ft. by 2-row plot; pesticides: 1.33 pt. Dual II Magnum, 2.8 oz. Scepter 70 DB

Table 7. Harvey Co. Soybean Performance Test, Hesston, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
KSOY	KS4202	16.5	19.6	23.8	18.1	20.0	97	94	122	10/28	1.0	19
KSOY	KS4602N	18.9	22.9	--	20.9	--	112	109	--	10/30	1.0	19
KSOY	STRESSLAND	15.7	24.1	17.2	19.9	19.0	92	115	88	10/28	1.0	20
PUBLIC	IA3010	13.2	22.2	16.1	17.7	17.2	78	106	82	10/10	1.0	14
PUBLIC	K1514	17.4	22.4	--	19.9	--	103	107	--	10/28	1.0	19
PUBLIC	K1519	19.0	21.1	--	20.1	--	112	101	--	10/30	1.0	20
PUBLIC	K1547	15.8	--	--	--	--	93	--	--	10/16	1.0	15
PUBLIC	K1548	18.4	--	--	--	--	109	--	--	10/22	1.0	16
PUBLIC	K1560	7.7	--	--	--	--	46	--	--	10/11	1.0	15
PUBLIC	K1563	16.8	--	--	--	--	99	--	--	10/18	1.0	16
PUBLIC	K1566	23.2	--	--	--	--	137	--	--	11/1	1.0	18
PUBLIC	K1567	22.9	--	--	--	--	135	--	--	10/29	1.0	23
PUBLIC	K1572	18.2	--	--	--	--	107	--	--	10/31	1.0	20
PUBLIC	K1592	16.7	--	--	--	--	99	--	--	10/29	1.0	19
PUBLIC	WILLIAMS 82	16.5	19.5	17.2	18.0	17.7	98	93	88	10/28	1.0	21
AVERAGES		16.9	21.0	19.6								
CV (%)		11.0	12.5	18.6								
LSD (0.10)		2.2	3.1	4.3								

Cornbelt Experiment Field, Powhattan, Brown County; Larry Maddux, agronomist, 785-354-7236

Grundy silty clay loam, pH 6.7, 3.8% OM; P test: M, K test: M Unusually hot, dry growing season with limited rainfall during seed-fill.
 0-0-0 lbs N-P-K fertilizer Precipitation in late August significantly increased yields.

April May June July Aug. Sept. Total

Rainfall: 4.7 2.8 5.6 0.3 2.8 4.7 20.9

Planted 5/23/2003 at 8 seeds/ft; harvested 10/21/2003; 21.5 ft. by 2-row plot; pesticides: 18 oz. Outlook, 1.5 pt. Roundup Ultra + 0.3 oz. FirstRate

Table 8. Brown Co. Roundup-Resistant Soybean Performance Test, Powhattan, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	TEST AVERAGE			Mat	Lodge score	Ht (in)
ASGROW	AG3302*	32.0	23.7	36.9	27.9	30.9	109	106	113	9/25	1.0	29
ASGROW	AG3703*	24.1	--	--	--	--	82	--	--	9/24	1.0	26
ASGROW	AG3801*	25.9	--	--	--	--	88	--	--	9/25	1.0	25
ASGROW	AG3905*	31.8	--	--	--	--	108	--	--	9/27	1.0	29
ASGROW	AG4201*	31.8	20.2	--	26.0	--	108	90	--	10/3	1.0	29
ASGROW	AG4403*	33.4	--	--	--	--	114	--	--	10/5	1.0	29
ASGROW	AG4502*	29.6	--	--	--	--	101	--	--	10/4	1.0	27
CROPLAN GENETICS	RC3732*	26.3	--	--	--	--	89	--	--	9/25	1.0	27
CROPLAN GENETICS	RT3512*	26.4	--	--	--	--	90	--	--	9/23	1.0	26
DEKALB	DKB37-51*	27.7	--	--	--	--	94	--	--	9/25	1.0	27
DEKALB	DKB38-52*	27.3	19.9	33.8	23.6	27.0	93	89	104	9/26	1.0	27
DEKALB	DKB40-51*	30.2	24.1	30.4	27.2	28.2	103	108	93	9/29	1.0	27
DYNA-GRO	DG 3362NRR*	29.2	20.2	--	24.7	--	99	90	--	10/1	1.0	25
DYNA-GRO	DG 3390NRR*	29.1	19.7	37.1	24.4	28.6	99	88	114	9/26	1.0	27
DYNA-GRO	DG-33A37*	35.3	--	--	--	--	120	--	--	9/25	1.0	28
DYNA-GRO	DG-34P38*	32.0	--	--	--	--	109	--	--	9/26	1.0	25
GARST	3535RR/STS*	30.4	--	--	--	--	103	--	--	9/23	1.0	28
GARST	3712RR/N*	33.1	20.0	--	26.5	--	113	89	--	9/30	1.0	25
GARST	3812RR/N*	28.3	23.2	--	25.8	--	96	104	--	9/24	1.0	32
GARST	3824RR/N*	26.6	--	--	--	--	91	--	--	9/26	1.0	28
KRUGER	344RR/SCN*	28.6	25.2	--	26.9	--	97	113	--	9/23	1.0	31
KRUGER	349RR*	29.1	--	--	--	--	99	--	--	9/23	1.0	28
KRUGER	353RR*	28.5	23.4	--	25.9	--	97	104	--	9/23	1.0	24
KRUGER	355RR/SCN*	29.7	--	--	--	--	101	--	--	9/23	1.0	27
KRUGER	379RR*	26.0	22.6	--	24.3	--	88	101	--	9/25	1.0	28
KRUGER	380RR/SCN*	24.6	25.6	--	25.1	--	84	114	--	9/25	1.0	27
KRUGER	383RR*	33.2	--	--	--	--	113	--	--	9/26	1.0	25
KRUGER	390RR/SCN*	25.1	--	--	--	--	85	--	--	9/28	1.0	31
KRUGER	393RR/SCN*	28.6	--	--	--	--	97	--	--	9/26	1.0	28
KRUGER	395RR/SCN*	29.2	--	--	--	--	99	--	--	9/26	1.0	31
KRUGER	397RR/SCN*	31.2	--	--	--	--	106	--	--	9/27	1.0	27
KRUGER	399+RR/SCN*	24.6	--	--	--	--	84	--	--	9/24	1.0	27
KRUGER	404RR*	30.7	--	--	--	--	105	--	--	10/2	1.0	26
KRUGER	434RR*	30.0	--	--	--	--	102	--	--	10/3	1.0	24
KRUGER	440RR*	25.9	--	--	--	--	88	--	--	9/29	1.0	24
KRUGER	445RR*	24.9	--	--	--	--	85	--	--	9/30	1.0	26
LEWIS	3875RR*	30.6	--	--	--	--	104	--	--	9/25	1.0	29
LEWIS	3915RR*	25.0	--	--	--	--	85	--	--	9/27	1.0	30
MIDLAND	9A333NRR*	32.6	20.4	--	26.5	--	111	91	--	9/23	1.0	29
MIDLAND	9A351NRR*	27.1	22.8	--	25.0	--	92	102	--	9/24	1.0	31
MIDLAND	9A373NRR*	27.4	--	--	--	--	93	--	--	9/25	1.0	27
MIDLAND	9A382NRR*	27.1	24.0	42.5	25.5	31.2	92	107	130	9/26	1.0	33
MIDLAND	9A414NRR*	31.7	--	--	--	--	108	--	--	9/30	1.0	29
MIDLAND	9E362NRR*	30.4	24.6	--	27.5	--	104	110	--	9/30	1.0	24
MIDWEST SEED	GR3732*	29.0	23.4	--	26.2	--	99	104	--	9/24	1.0	26
MIDWEST SEED	GR3931*	31.4	25.8	--	28.6	--	107	115	--	9/27	1.0	26
NC+	3A53RR*	29.6	--	--	--	--	101	--	--	9/23	1.0	29
NC+	3A84RR*	28.9	--	--	--	--	98	--	--	10/2	1.0	25
NC+	4A29RR*	29.2	--	32.4	--	--	99	--	99	10/2	1.0	30
NK	S32-G5*	24.0	--	--	--	--	82	--	--	9/25	1.0	27
NK	S35-A6*	27.4	25.4	--	26.4	--	93	113	--	9/26	1.0	24
NK	S37-N4*	30.6	24.0	--	27.3	--	104	107	--	9/28	1.0	33
NK	S39-K6*	31.0	23.8	--	27.4	--	105	106	--	9/26	1.0	27
NK	S40-R9*	30.1	30.7	--	30.4	--	102	137	--	9/29	1.0	31
PIONEER	93B85*	37.7	22.0	33.2	29.9	31.0	128	98	102	9/26	1.0	29

Table 8. Brown Co. Roundup-Resistant Soybean Performance Test, Powhattan, 2001-2003 - continued.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	TEST AVERAGE			Mat	Lodge score	Ht (in)
							2003	2002	2001			
PIONEER	93M60*	27.9	--	--	--	--	95	--	--	9/22	1.0	30
PIONEER	93M80*	31.4	--	--	--	--	107	--	--	9/26	1.0	31
PRAIRIE BRAND	PB-3732RR*	28.2	--	--	--	--	96	--	--	9/25	1.0	27
PRAIRIE BRAND	PB-4023NRR*	24.1	--	--	--	--	82	--	--	9/26	1.0	25
RENZE	R3684Rcn*	29.6	--	--	--	--	101	--	--	9/25	1.0	27
RENZE	R3814RR*	32.2	--	--	--	--	109	--	--	10/1	1.0	24
RENZE	R3994Rcn*	29.9	--	--	--	--	102	--	--	9/26	1.0	27
RENZE	R4233SRcn*	31.0	23.0	--	27.0	--	105	103	--	9/29	1.0	26
STINE	S3532-4*	29.5	--	--	--	--	101	--	--	9/24	1.0	28
STINE	S3932-4*	33.7	--	--	--	--	115	--	--	10/2	1.0	25
STINE	S4102-4*	30.8	25.7	--	28.2	--	105	115	--	9/29	1.0	25
TAYLOR	374RR*	30.3	23.8	--	27.1	--	103	106	--	9/28	1.0	27
TAYLOR	EXP3900RR*	30.7	--	--	--	--	104	--	--	9/26	1.0	28
TAYLOR	EXP39-357RR*	34.8	--	--	--	--	118	--	--	10/2	1.0	24
TAYLOR	EXPE3970RR*	26.7	--	--	--	--	91	--	--	9/28	1.0	31
THOMPSON	T-3737RR/N*	31.9	22.0	--	26.9	--	108	98	--	9/25	1.0	28
THOMPSON	T-3838RR*	28.0	19.8	--	23.9	--	95	89	--	10/2	1.0	24
THOMPSON	T-3911RN*	27.2	--	--	--	--	92	--	--	9/27	1.0	30
THOMPSON	T-3999RR/N*	33.6	24.9	--	29.2	--	114	111	--	9/27	1.0	26
THOMPSON	T-4322RN*	28.2	--	--	--	--	96	--	--	10/3	1.0	25
THOMPSON	T-4848RR/N*	34.6	--	--	--	--	118	--	--	10/4	1.0	29
TRIUMPH	TR3939RR*	33.2	24.7	36.1	28.9	31.3	113	110	111	9/26	1.0	33
TRIUMPH	TRX3P39RR*	29.9	--	--	--	--	102	--	--	9/27	1.0	28
WILLCROSS	RR2312*	22.0	--	--	--	--	75	--	--	9/19	1.0	27
WILLCROSS	RR2323N*	28.2	19.5	--	23.9	--	96	87	--	9/24	1.0	28
WILLCROSS	RR2354N*	29.3	--	--	--	--	100	--	--	9/23	1.0	27
WILLCROSS	RR2362*	30.5	--	--	--	--	104	--	--	10/3	1.0	25
WILLCROSS	RR2373N*	30.6	22.9	--	26.7	--	104	102	--	9/25	1.0	27
WILLCROSS	RR2388N*	30.7	28.9	--	29.8	--	105	129	--	9/27	1.0	25
WILLCROSS	RR2392N*	24.6	24.9	--	24.7	--	84	111	--	9/26	1.0	26
WILLCROSS	RR2393N*	28.6	--	--	--	--	97	--	--	9/26	1.0	27
PUBLIC	K1539RR*	34.5	21.6	41.6	28.0	32.6	117	96	128	10/6	1.0	26
PUBLIC	K1552RR*	30.7	27.4	--	29.1	--	104	122	--	10/2	1.0	27
PUBLIC	K1553RR*	29.1	24.7	--	26.9	--	99	110	--	10/3	1.0	26
PUBLIC	K1582RR*	31.2	23.4	--	27.3	--	106	104	--	10/3	1.0	27
PUBLIC	K1583RR*	28.3	--	--	--	--	96	--	--	9/27	1.0	25
PUBLIC	K1584RR*	24.4	--	--	--	--	83	--	--	9/28	1.0	29
PUBLIC	K1594RR*	31.9	--	--	--	--	109	--	--	10/3	1.0	27
AVERAGES		29.4	22.4	32.6								
CV (%)		10.0	14.2	11.7								
LSD (0.10)		4.0	4.3	5.2								

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

Eudora silt loam, pH 7.1, 1.9% OM; P test: M, K test: M
10-40-1 lbs N-P-K fertilizer

Sudden Death Syndrome was observed in some plots in the test. This disease coupled with several days of temperatures exceeding 100 ° F. reduced yields and increased variability in performance.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	4.9	2.4	3.0	0.5	6.2	2.0	19.0
Irrigation:			1.3	6.8	2.4		10.5

Planted 5/15/2003 at 8 seeds/ft; harvested 10/8/2003; 27.5 ft. by 2-row plot; pesticides: 1.3 pt. Dual Magnum + 6.8 oz. Canopy XL, 1.5 pt. Roundup Ultra

Table 9. Shawnee Co. Irrigated Roundup-Resistant Soybean Performance Test, Topeka, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2003		Ht (in)
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	
ADVANCED GENETICS	AG3733NRR*	51.7	--	--	--	--	104	--	--	9/22	1.0	32
ASGROW	AG3702*	50.5	49.1	--	49.8	--	102	90	--	9/19	1.0	39
ASGROW	AG3801*	53.9	--	--	--	--	108	--	--	9/23	1.3	32
ASGROW	AG3905*	50.1	--	--	--	--	101	--	--	9/26	1.0	40
ASGROW	AG4403*	49.4	54.9	69.0	52.1	57.7	99	101	104	10/1	1.3	42
ASGROW	AG4502*	62.0	--	--	--	--	125	--	--	9/30	1.3	34
ASGROW	AG4603*	51.3	63.4	--	57.4	--	103	117	--	10/2	1.3	38
CROPLAN GENETICS	RC3732*	53.5	--	--	--	--	108	--	--	9/19	1.7	36
DEKALB	DKB37-51*	50.9	--	--	--	--	102	--	--	9/23	1.0	33
DEKALB	DKB38-52*	51.7	55.9	54.5	53.8	54.0	104	103	82	9/22	1.0	36
DEKALB	DKB44-51*	49.5	--	--	--	--	99	--	--	9/30	1.7	41
DEKALB	DKB46-51*	47.2	--	--	--	--	95	--	--	10/2	1.0	36
GARST	3535RR/STS*	41.9	--	--	--	--	84	--	--	9/16	1.0	38
GARST	3712RR/N*	51.6	57.8	--	54.7	--	104	106	--	9/22	1.3	35
GARST	3812RR/N*	41.9	57.9	--	49.9	--	84	107	--	9/20	1.7	38
GARST	3824RR/N*	47.4	--	--	--	--	95	--	--	9/24	1.0	36
KRUGER	344RR/SCN*	50.8	52.8	--	51.8	--	102	97	--	9/16	1.3	37
KRUGER	349RR*	46.3	--	--	--	--	93	--	--	9/17	1.7	37
KRUGER	353RR*	37.6	43.3	--	40.5	--	76	80	--	9/16	1.0	30
KRUGER	355RR/SCN*	61.7	--	--	--	--	124	--	--	9/23	1.3	34
KRUGER	379RR*	55.7	49.7	--	52.7	--	112	92	--	9/21	1.0	32
KRUGER	380RR/SCN*	57.2	52.1	--	54.7	--	115	96	--	9/24	1.0	40
KRUGER	383RR*	50.4	--	--	--	--	101	--	--	9/22	1.0	32
KRUGER	390RR/SCN*	51.5	--	--	--	--	103	--	--	9/26	1.0	39
KRUGER	393RR/SCN*	51.0	--	--	--	--	103	--	--	9/24	1.3	33
KRUGER	395RR/SCN*	50.7	--	--	--	--	102	--	--	9/22	1.0	38
KRUGER	397RR/SCN*	42.2	--	--	--	--	85	--	--	9/23	1.0	37
KRUGER	399+RR/SCN*	51.7	--	--	--	--	104	--	--	9/25	1.0	35
KRUGER	404RR*	50.8	--	--	--	--	102	--	--	9/24	1.0	37
KRUGER	434RR*	52.2	--	--	--	--	105	--	--	9/27	1.0	39
KRUGER	440RR*	54.8	--	--	--	--	110	--	--	9/28	1.3	31
KRUGER	445RR*	58.2	--	--	--	--	117	--	--	9/30	1.0	33
LEWIS	3995RR*	48.1	--	--	--	--	97	--	--	9/28	1.0	32
LEWIS	4366RR*	52.7	--	--	--	--	106	--	--	9/28	1.3	34
MIDLAND	9A333NRR*	51.5	54.2	--	52.9	--	104	100	--	9/16	1.7	36
MIDLAND	9A373NRR*	53.4	--	--	--	--	107	--	--	9/21	1.3	39
MIDLAND	9A414NRR*	44.0	--	--	--	--	88	--	--	9/26	1.3	40
MIDLAND	9E362NRR*	50.5	54.5	--	52.5	--	102	100	--	9/27	1.0	30
MIDWEST SEED	GR3931*	49.7	60.0	69.5	54.9	59.7	100	110	104	9/24	1.3	39
NC+	3A53RR*	61.1	--	--	--	--	123	--	--	9/22	1.0	34
NC+	3A84RR*	49.5	--	--	--	--	99	--	--	9/26	1.0	31
NC+	4A29RR*	42.1	58.6	69.7	50.3	56.8	85	108	105	9/29	1.3	42
NK	S39-K6*	47.8	--	--	--	--	96	--	--	9/26	1.0	39
NK	S40-R9*	51.5	57.9	--	54.7	--	104	107	--	9/25	1.3	43
NK	S42-P7*	47.9	--	--	--	--	96	--	--	9/26	1.0	36
NK	S46-W8*	44.2	--	--	--	--	89	--	--	10/1	2.0	47
NU PRIDE	8381RR*	42.7	--	--	--	--	86	--	--	9/22	2.0	43
NU PRIDE	8434NRS*	52.6	--	--	--	--	106	--	--	9/30	1.7	38
PIONEER	93B85*	48.4	63.8	66.0	56.1	59.4	97	117	99	9/23	1.3	36
PIONEER	93M80*	48.6	--	--	--	--	98	--	--	9/22	1.0	39
PIONEER	94B13*	39.1	--	--	--	--	79	--	--	9/25	1.0	37
RENZE	R3684Rcn*	48.8	--	--	--	--	98	--	--	9/22	1.0	35
RENZE	R3814RR*	44.7	--	--	--	--	90	--	--	9/21	1.0	34
RENZE	R3994Rcn*	53.7	--	--	--	--	108	--	--	9/26	1.7	33

Table 9. Shawnee Co. Irrigated Roundup-Resistant Soybean Performance Test, Topeka, 2001-2003 - continued.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	TEST AVERAGE			Mat	Lodge score	Ht (in)
							2003	2002	2001			
RENZE	R4233SRcn*	45.6	62.7	--	54.1	--	92	115	--	9/28	2.0	37
RENZE	R4392Rcn*	46.1	69.2	--	57.7	--	93	127	--	9/22	1.3	37
STINE	S3532-4*	54.8	--	--	--	--	110	--	--	9/22	1.7	36
STINE	S3832-4*	51.6	--	--	--	--	104	--	--	9/25	1.7	36
STINE	S3932-4*	53.4	--	--	--	--	107	--	--	9/25	1.3	36
STINE	S4102-4*	50.9	63.8	--	57.4	--	102	118	--	9/24	1.3	32
TAYLOR	357RR*	43.8	53.7	69.6	48.7	55.7	88	99	104	9/25	1.0	31
TAYLOR	EXP3900RR*	54.8	--	--	--	--	110	--	--	9/23	1.7	40
TAYLOR	EXP39-357RR*	48.7	--	--	--	--	98	--	--	9/19	1.3	39
THOMPSON	T-3838RR*	56.7	56.0	--	56.4	--	114	103	--	9/27	1.0	33
THOMPSON	T-3911RN*	59.6	--	--	--	--	120	--	--	9/25	1.7	38
THOMPSON	T-3999RR/N*	51.7	51.8	--	51.7	--	104	95	--	9/26	1.3	35
THOMPSON	T-4322RN*	44.1	--	--	--	--	89	--	--	9/27	2.0	42
THOMPSON	T-4545RN*	51.4	--	--	--	--	103	--	--	9/30	2.0	41
THOMPSON	T-4848RR/N*	45.1	--	--	--	--	91	--	--	9/28	1.7	40
TRIUMPH	TR4462RR*	51.0	55.8	--	53.4	--	103	103	--	10/2	1.0	38
TRIUMPH	TRX3P39RR*	52.7	--	--	--	--	106	--	--	9/23	1.7	39
WILLCROSS	RR2383N*	54.6	59.9	--	57.3	--	110	110	--	9/27	1.0	34
WILLCROSS	RR2392N*	47.9	--	66.2	--	--	96	--	99	9/25	1.3	39
WILLCROSS	RR2393N*	53.9	--	--	--	--	108	--	--	9/24	1.3	35
WILLCROSS	RR2432N*	46.6	--	--	--	--	94	--	--	9/29	1.3	44
PUBLIC	K1539RR*	38.5	46.0	70.9	42.3	51.8	77	85	107	10/1	1.7	39
PUBLIC	K1552RR*	59.7	53.6	--	56.6	--	120	99	--	9/30	1.7	37
PUBLIC	K1553RR*	49.6	59.2	--	54.4	--	100	109	--	9/29	1.7	36
PUBLIC	K1582RR*	46.5	46.6	--	46.5	--	93	86	--	9/28	1.3	37
PUBLIC	K1583RR*	39.4	--	--	--	--	79	--	--	9/25	1.3	30
PUBLIC	K1584RR*	49.9	--	--	--	--	100	--	--	9/24	1.0	35
PUBLIC	K1594RR*	31.3	--	--	--	--	63	--	--	9/26	2.0	41
AVERAGES		49.7	54.3	66.6								
CV (%)		12.6	9.6	8.3								
LSD (0.10)		8.5	7.1	7.5								

East Central KS Experiment Field, Ottawa, Franklin County; Keith Janssen, agronomist, 785-242-2330

Woodson silt loam, pH na, % OM na; P test: na, K test: na
0-0-125 lbs N-P-K fertilizer

Unusually hot and dry growing season with limited rainfall during seed-fill for group III and early group IV entries. The later maturing entries in the test responded favorably to the cooler temperatures and abundant rainfall in late August and early September.

April May June July Aug. Sept. Total

Rainfall: 4.5 4.5 4.9 1.2 8.6 2.2 25.3

Planted 6/10/2003 at 8 seeds/ft; harvested 10/27/2003; 32 ft. by 2-row plot; pesticides: 20 oz. Roundup Weather Max

Table 10. Franklin Co. Roundup-Resistant Soybean Performance Test, Ottawa, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4444NRR*	28.7	14.8	--	21.7	--	122	105	--	10/11	1.0	22
ADVANCED GENETICS	AG4677NRS*	29.6	--	--	--	--	126	--	--	10/13	1.0	24
ADVANCED GENETICS	AG5012NRR*	31.2	16.8	34.8	24.0	27.6	133	119	126	10/16	1.0	27
ADVANCED GENETICS	AG5333NRR*	35.2	12.5	--	23.9	--	150	89	--	10/24	1.0	23
ADVANCED GENETICS	AG5424NRR*	31.2	10.0	34.8	20.6	25.3	133	71	126	10/22	1.0	23
ASGROW	AG3905*	23.1	--	--	--	--	98	--	--	10/9	1.0	21
ASGROW	AG4403*	29.1	16.9	32.6	23.0	26.2	124	120	118	10/12	1.0	22
ASGROW	AG4502*	28.2	--	--	--	--	120	--	--	10/16	1.0	22
ASGROW	AG4603*	26.8	15.2	--	21.0	--	114	108	--	10/20	1.0	19
ASGROW	AG4702*	28.0	--	--	--	--	119	--	--	10/17	1.0	24
CROPLAN GENETICS	RC3732*	22.7	--	--	--	--	97	--	--	10/4	1.0	21
CROPLAN GENETICS	RC4432*	27.3	--	--	--	--	116	--	--	10/12	1.0	24
DEKALB	DKB38-52*	21.7	8.9	22.5	15.3	17.7	93	63	82	10/7	1.0	19
DEKALB	DKB40-51*	25.1	--	29.4	--	--	107	--	107	10/15	1.0	21
DEKALB	DKB44-51*	26.9	--	--	--	--	115	--	--	10/11	1.0	22
DEKALB	DKB46-51*	30.6	--	--	--	--	130	--	--	10/20	1.0	22
DYNA-GRO	DG 3390NRR*	20.1	11.0	23.2	15.5	18.1	86	78	84	10/7	1.0	18
DYNA-GRO	DG 3443NRR*	26.4	16.4	31.1	21.4	24.6	112	116	113	10/1	1.0	21
DYNA-GRO	DG-33A37*	20.9	--	--	--	--	89	--	--	10/3	1.0	19
DYNA-GRO	DG-3481NRR*	23.9	--	--	--	--	102	--	--	10/18	1.0	21
DYNA-GRO	DG-34P38*	14.2	--	--	--	--	61	--	--	9/30	1.0	17
DYNA-GRO	DG-37R39*	20.3	--	--	--	--	86	--	--	10/8	1.0	21
DYNA-GRO	SXO3140*	17.0	--	--	--	--	72	--	--	10/7	1.0	18
GARST	3712RR/N*	24.8	--	--	--	--	106	--	--	10/10	1.0	18
GARST	3812RR/N*	21.7	16.4	--	19.1	--	93	117	--	10/5	1.0	21
GARST	3824RR/N*	19.2	--	--	--	--	82	--	--	10/6	1.0	17
GARST	4312RR/STS/N*	21.9	14.3	23.5	18.1	19.9	93	102	85	10/17	1.0	19
GARST	4512RR/N*	28.3	12.5	30.1	20.4	23.6	121	89	109	10/11	1.0	22
KRUGER	344RR/SCN*	12.9	10.8	--	11.8	--	55	76	--	9/28	1.0	20
KRUGER	349RR*	15.7	--	--	--	--	67	--	--	9/28	1.0	19
KRUGER	353RR*	21.3	13.8	--	17.6	--	91	98	--	10/1	1.0	18
KRUGER	355RR/SCN*	18.3	--	--	--	--	78	--	--	9/29	1.0	20
KRUGER	379RR*	20.1	15.7	--	17.9	--	86	111	--	10/6	1.0	21
KRUGER	380RR/SCN*	21.1	10.4	--	15.8	--	90	74	--	10/7	1.0	17
KRUGER	383RR*	12.6	--	--	--	--	54	--	--	10/3	1.0	19
KRUGER	390RR/SCN*	19.7	--	--	--	--	84	--	--	10/17	1.0	22
KRUGER	393RR/SCN*	21.4	--	--	--	--	91	--	--	10/5	1.0	21
KRUGER	395RR/SCN*	16.0	--	--	--	--	68	--	--	10/5	1.0	22
KRUGER	397RR/SCN*	21.4	--	--	--	--	91	--	--	10/12	1.0	21
KRUGER	399+RR/SCN*	18.4	--	--	--	--	78	--	--	10/8	1.0	19
KRUGER	404RR*	26.6	--	--	--	--	113	--	--	10/12	1.0	17
KRUGER	434RR*	23.4	--	--	--	--	100	--	--	10/16	1.0	19
KRUGER	440RR*	20.6	--	--	--	--	88	--	--	10/18	1.0	19
KRUGER	445RR*	24.7	--	--	--	--	105	--	--	10/20	1.0	20
MFA MORSOY	RT 3881N*	22.1	16.8	--	19.4	--	94	119	--	10/6	1.0	24
MFA MORSOY	RT 3883N*	22.6	--	--	--	--	96	--	--	10/9	1.0	21
MFA MORSOY	RT 4480N*	27.6	13.0	30.5	20.3	23.7	118	93	111	10/12	1.0	23
MFA MORSOY	RT 4731N*	27.9	18.3	--	23.1	--	119	130	--	10/20	1.0	22
MFA MORSOY	RT 4802N*	26.5	--	--	--	--	113	--	--	10/18	1.0	22
MIDLAND	9A351NRR*	19.7	12.9	--	16.3	--	84	92	--	10/3	1.0	23
MIDLAND	9A373NRR*	22.0	--	--	--	--	94	--	--	10/9	1.0	20
MIDLAND	9A382NRR*	20.6	15.3	30.2	17.9	22.0	88	108	109	10/7	1.0	23
MIDLAND	9A414NRR*	22.1	--	--	--	--	94	--	--	10/14	1.0	21
MIDLAND	9A432NRS*	26.9	17.6	--	22.3	--	115	125	--	10/14	1.0	21
MIDLAND	9A442NRR*	25.6	16.6	30.4	21.1	24.2	109	118	110	10/11	1.0	22
MIDLAND	9A462NRS*	26.9	14.9	29.5	20.9	23.8	115	106	107	10/13	1.0	23

Table 10. Franklin Co. Roundup-Resistant Soybean Performance Test, Ottawa, 2001-2003 - continued.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
MIDWEST SEED	GR3932*	25.2	--	--	--	--	107	--	--	10/10	1.0	18
MIDWEST SEED	GR4152*	27.0	15.6	--	21.3	--	115	111	--	10/14	1.0	21
M-PRIDE	MPV3903NRR*	23.1	--	--	--	--	99	--	--	10/8	1.0	18
M-PRIDE	MPV457NRR*	26.2	--	25.7	--	--	112	--	93	10/18	1.0	26
NC+	3A84RR*	25.6	--	--	--	--	109	--	--	10/11	1.0	17
NC+	4N79RR*	28.1	--	--	--	--	120	--	--	10/19	1.0	24
NK	S39-K6*	22.7	--	--	--	--	97	--	--	10/8	1.0	20
NK	S40-R9*	25.9	17.1	--	21.5	--	110	122	--	10/15	1.0	22
NK	S42-P7*	21.9	20.3	--	21.1	--	93	144	--	10/7	1.0	18
NK	S46-W8*	25.2	18.2	28.8	21.7	24.1	107	130	104	10/14	1.0	23
NU PRIDE	8381RR*	20.8	--	--	--	--	89	--	--	10/7	1.0	22
NU PRIDE	8434NRS*	27.5	--	--	--	--	117	--	--	10/15	1.0	22
PIONEER	93B85*	18.5	15.4	23.5	16.9	19.1	79	109	85	10/8	1.0	20
PIONEER	94B13*	19.6	--	--	--	--	83	--	--	10/15	1.0	21
RENZE	R2803RR*	10.1	--	--	--	--	43	--	--	9/22	1.0	20
RENZE	R3994Rcn*	21.9	--	--	--	--	93	--	--	10/8	1.0	22
STINE	S3832-4*	20.9	--	--	--	--	89	--	--	10/8	1.0	21
STINE	S4032-4*	19.5	--	--	--	--	83	--	--	10/11	1.0	20
STINE	S4102-4*	22.7	15.7	--	19.2	--	97	112	--	10/15	1.0	18
STINE	S4542-4*	27.4	--	--	--	--	117	--	--	10/15	1.0	23
TAYLOR	427RR*	27.4	--	29.4	--	--	117	--	107	10/7	1.0	21
TAYLOR	EXPE3970RR*	21.7	--	--	--	--	92	--	--	10/11	1.0	22
TRIUMPH	TR4462RR*	29.7	15.5	32.0	22.6	25.7	127	110	116	10/12	1.0	22
TRIUMPH	TRX3P39RR*	20.2	--	--	--	--	86	--	--	10/8	1.0	21
WILLCROSS	RR2383N*	23.5	--	--	--	--	100	--	--	10/11	1.0	18
WILLCROSS	RR2388N*	20.4	--	--	--	--	87	--	--	10/8	1.0	19
WILLCROSS	RR2392N*	22.8	--	23.3	--	--	97	--	84	10/7	1.0	19
WILLCROSS	RR2393N*	19.6	--	--	--	--	83	--	--	10/8	1.0	21
WILLCROSS	RR2432N*	28.3	--	--	--	--	121	--	--	10/12	1.0	21
WILLCROSS	RR2473NSTS*	27.8	15.8	--	21.8	--	118	113	--	10/14	1.0	26
WILLCROSS	RR2474N*	25.5	--	--	--	--	109	--	--	10/18	1.0	21
PUBLIC	K1539RR*	28.3	15.3	30.7	21.8	24.8	121	108	111	10/19	1.0	20
PUBLIC	K1552RR*	21.5	15.7	--	18.6	--	92	112	--	10/14	1.0	20
PUBLIC	K1553RR*	25.3	16.1	--	20.7	--	108	115	--	10/14	1.0	19
PUBLIC	K1582RR*	28.9	13.9	--	21.4	--	123	99	--	10/13	1.0	20
PUBLIC	K1583RR*	24.2	--	--	--	--	103	--	--	10/10	1.0	18
PUBLIC	K1584RR*	20.9	--	--	--	--	89	--	--	10/8	1.0	21
PUBLIC	K1594RR*	26.7	--	--	--	--	114	--	--	10/12	1.0	19
AVERAGES		23.5	14.1	27.6								
CV (%)		8.7	13.2	11.0								
LSD (0.10)		2.8	2.5	4.1								

Southeast Agricultural Res-Ext Center, Columbus, Cherokee County; James Long, agronomist, 620-421-4826

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

Near normal early season growing conditions gave way to hot and dry

27-70-79 lbs N-P-K fertilizer

weather in July and August. The later maturing entries in the test responded favorably to the cooler temperatures and abundant rainfall in late August and early September.

April May June July Aug. Sept. Total

Rainfall: 3.7 6.2 3.2 2.0 9.6 11.2 35.9

Planted 6/10/2003 at 7 seeds/ft; harvested 11/12/2003; 14 ft. by 2-row plot; pesticides: 1 pt. Squadron, 1 application of 1 qt. Roundup

Table 11. Cherokee Co. Roundup-Resistant Soybean Performance Test, MG III-IV, Columbus, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG4444NRR*	23.0	20.5	--	21.7	--	102	97	--	10/10	1.0	21
ADVANCED GENETICS	AG4677NRS*	21.9	--	--	--	--	97	--	--	10/12	1.0	25
ASGROW	AG4403*	23.8	19.6	27.3	21.7	23.5	106	92	113	10/12	1.0	20
ASGROW	AG4502*	18.3	--	--	--	--	81	--	--	10/12	1.0	19
ASGROW	AG4603*	24.8	22.5	--	23.6	--	110	106	--	10/10	1.0	21
CROPLAN GENETICS	RC4432*	25.1	--	--	--	--	111	--	--	10/13	1.0	20
DEKALB	DKB44-51*	22.2	20.4	--	21.3	--	98	96	--	10/11	1.0	20
DEKALB	DKB46-51*	23.5	--	--	--	--	104	--	--	10/11	1.0	21
DELTAPINE	DP4331RR*	23.4	--	--	--	--	104	--	--	10/10	1.0	22
DELTAPINE	DPX3761R*	18.9	21.2	--	20.0	--	84	100	--	10/11	1.0	21
DYNA-GRO	DG 3443NRR*	23.7	21.8	25.8	22.8	23.8	105	103	107	10/10	1.0	19
DYNA-GRO	DG-37R39*	17.0	--	--	--	--	75	--	--	10/12	1.0	19
DYNA-GRO	SXO3140*	11.7	--	--	--	--	52	--	--	10/11	1.0	19
GARST	4512RR/N*	21.1	21.9	25.4	21.5	22.8	93	103	105	10/10	1.0	20
MFA MORSOY	RT 4480N*	22.0	23.2	31.9	22.6	25.7	98	110	132	10/10	1.0	21
MIDLAND	9A432NRS*	24.4	22.4	--	23.4	--	108	106	--	10/10	1.0	20
MIDLAND	9A442NRR*	22.6	20.6	27.6	21.6	23.6	100	97	114	10/10	1.0	18
MIDLAND	9A462NRS*	23.5	21.4	26.7	22.4	23.9	104	101	111	10/14	1.0	22
M-PRIDE	MPV457NRR*	22.9	--	27.3	--	--	102	--	113	10/12	1.0	22
NK	S40-R9*	22.9	--	--	--	--	102	--	--	10/13	1.0	22
NK	S46-W8*	24.6	21.3	24.1	22.9	23.3	109	101	100	10/11	1.0	22
NU PRIDE	8434NRS*	24.9	--	--	--	--	111	--	--	10/10	1.0	21
STINE	S4542-4*	27.1	--	--	--	--	120	--	--	10/12	1.0	21
PUBLIC	K1539RR*	28.8	21.9	--	25.3	--	128	103	--	10/11	1.0	21
PUBLIC	K1552RR*	22.2	--	--	--	--	99	--	--	10/12	1.0	20
PUBLIC	K1553RR*	24.3	--	--	--	--	108	--	--	10/10	1.0	19
PUBLIC	K1582RR*	21.3	20.6	--	21.0	--	95	97	--	10/13	1.0	22
PUBLIC	K1583RR*	18.1	--	--	--	--	80	--	--	10/10	1.0	19
PUBLIC	K1584RR*	20.8	--	--	--	--	92	--	--	10/16	1.0	22
PUBLIC	K1594RR*	27.3	--	--	--	--	121	--	--	10/18	1.0	21
AVERAGES		22.5	21.2	24.1								
CV (%)		10.4	9.0	10.3								
LSD (0.10)		2.8	2.3	3.4								

Southeast Agricultural Res-Ext Center, Columbus, Cherokee County; James Long, agronomist, 620-421-4826

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

Near normal early season growing conditions gave way to hot and dry weather in July and August. The later maturing entries in the test responded favorably to the cooler temperatures and abundant rainfall in late August and early September.

27-70-70 lbs N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 3.7 6.2 3.2 2.0 9.6 11.2 35.9

Planted 6/10/2003 at 7 seeds/ft; harvested 11/12/2003; 14 ft. by 2-row plot; pesticides: 1 pt. Squadron, 1 application of 1 qt. Roundup

Table 12. Cherokee Co. Roundup-Resistant Soybean Performance Test, MG IVS-V, Columbus, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG5012NRR*	36.7	15.9	36.2	26.3	29.6	102	96	100	10/22	1.0	29
ADVANCED GENETICS	AG5333NRR*	40.4	17.2	--	28.8	--	112	103	--	10/27	1.0	23
ADVANCED GENETICS	AG5424NRR*	38.6	14.0	34.7	26.3	29.1	108	84	96	10/24	1.0	26
ASGROW	AG4702*	30.2	--	--	--	--	84	--	--	10/23	1.0	23
ASGROW	AG5301*	40.5	20.1	--	30.3	--	113	121	--	10/26	1.0	26
ASGROW	AG5501*	41.3	19.3	36.5	30.3	32.4	115	116	101	10/26	1.0	28
ASGROW	AG5605*	40.7	--	--	--	--	113	--	--	10/23	1.0	25
CROPLAN GENETICS	RC5332*	33.8	--	--	--	--	94	--	--	10/22	1.0	28
DYNA-GRO	DG-3481NRR*	28.9	--	--	--	--	81	--	--	10/22	1.0	21
GARST	5512RR/N*	35.3	14.3	38.0	24.8	29.2	98	86	106	10/24	1.0	25
GARST	D484RR/N*	31.5	17.7	34.0	24.6	27.7	88	107	94	10/23	1.0	24
MFA MORSOY	RT 4731N*	31.9	17.8	--	24.8	--	89	107	--	10/23	1.0	24
MFA MORSOY	RT 4802N*	26.7	--	--	--	--	74	--	--	10/22	1.0	21
MFA MORSOY	RT 4993N*	32.6	--	--	--	--	91	--	--	10/24	1.0	26
MFA MORSOY	RT 5252N*	35.7	19.7	--	27.7	--	99	119	--	10/24	1.0	25
MFA MORSOY	RT 5442N*	36.7	--	--	--	--	102	--	--	10/27	1.0	21
MIDLAND	9A483NRR*	28.8	16.8	--	22.8	--	80	101	--	10/25	1.0	26
MIDLAND	9A564NRS*	40.6	--	--	--	--	113	--	--	10/26	1.0	26
M-PRIDE	MPV4904NRR*	40.3	--	--	--	--	112	--	--	10/23	1.0	24
M-PRIDE	MPV5302NRR*	37.6	18.1	--	27.9	--	105	109	--	10/25	1.0	22
M-PRIDE	MPV5502NRR*	41.8	14.7	--	28.3	--	116	89	--	10/26	1.0	24
M-PRIDE	MPV5504NRR*	42.6	18.1	--	30.3	--	119	109	--	10/26	1.0	23
NC+	4N79RR*	27.0	16.3	35.7	21.6	26.3	75	98	99	10/23	1.0	23
NC+	5A45RR*	39.8	18.8	34.9	29.3	31.2	111	113	97	10/24	1.0	27
NK	S52-U3*	44.6	18.2	42.6	31.4	35.1	124	109	118	10/26	1.0	26
NK	X257RS*	45.2	--	--	--	--	126	--	--	10/24	1.0	26
NU PRIDE	8472RR*	23.6	--	--	--	--	66	--	--	10/24	1.0	18
PIONEER	94M70*	29.9	--	--	--	--	83	--	--	10/23	1.0	25
PIONEER	95B42*	42.6	14.7	--	28.6	--	118	89	--	10/24	1.0	29
PIONEER	95B53*	45.8	20.8	41.2	33.3	35.9	127	125	115	10/25	1.0	26
STINE	S5142-4*	29.5	--	--	--	--	82	--	--	10/24	1.0	25
TAYLOR	EXP5100RR*	33.3	--	--	--	--	93	--	--	10/24	1.0	26
TRIUMPH	TR5409RR*	37.9	19.2	30.9	28.6	29.4	106	116	86	10/24	1.0	26
TRIUMPH	TRX3B48RR*	24.6	--	--	--	--	69	--	--	10/24	1.0	22
WILLCROSS	RR2474N*	30.0	--	--	--	--	84	--	--	10/23	1.0	23
WILLCROSS	RR2494N*	30.7	--	--	--	--	85	--	--	10/24	1.0	24
WILLCROSS	RR2542N*	37.3	16.9	38.8	27.1	31.0	104	102	108	10/27	1.0	21
WILLCROSS	RR2549N*	39.7	--	33.8	--	--	110	--	94	10/26	1.0	22
WILLCROSS	RR2553NSTS*	40.7	--	--	--	--	113	--	--	10/23	1.0	28
PUBLIC	K1544RR*	36.7	14.2	39.2	25.4	30.0	102	86	109	10/25	1.0	24
PUBLIC	K1550RR*	39.6	18.6	--	29.1	--	110	112	--	10/25	1.0	23
PUBLIC	K1603RR*	32.4	--	--	--	--	90	--	--	10/23	1.0	21
PUBLIC	K1608RR*	38.8	--	--	--	--	108	--	--	10/26	1.0	22
PUBLIC	K1609RR*	40.1	--	--	--	--	112	--	--	10/25	1.0	24
PUBLIC	K97-138-1-77RR*	40.4	--	--	--	--	113	--	--	10/24	1.0	21
AVERAGES		35.9	16.6	36.0								
CV (%)		8.6	12.3	7.1								
LSD (0.10)		3.6	2.4	3.5								

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

Crete silt loam, pH 6.2, 2.8% OM; P test: M, K test: VH
10-34-0 lbs N-P-K fertilizer

Good early season growing conditions prevailed, with adequate rainfall through June. Above average temperatures and below average rainfall persisted through July and August, but beneficial precipitation was received in late August.

April May June July Aug. Sept. Total

Rainfall: 2.7 4.9 9.3 0.3 6.4 7.1 30.7

Planted 5/28/2003 at 8 seeds/ft; harvested 10/23/2003; 25 ft. by 2-row plot; pesticides: 1.5 pt. Dual at planting, 32 oz. Roundup Ultra postemergence

Table 13. Republic Co. Roundup-Resistant Soybean Performance Test, Belleville, 2000-2003.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF			2003		
		2003	2001	2000	2-Yr. AVG.	3-Yr. AVG.	TEST AVERAGE			Mat	Lodge score	Ht (in)
ASGROW	AG3005*	22.7	--	--	--	--	73	--	--	9/30	1.0	17
ASGROW	AG3201*	42.2	--	--	--	--	136	--	--	9/30	1.0	21
ASGROW	AG3302*	29.4	25.8	--	27.6	--	95	101	--	10/2	1.0	17
ASGROW	AG3801*	29.7	--	--	--	--	96	--	--	10/9	1.0	16
CROPLAN GENETICS	RC3732*	24.6	--	--	--	--	80	--	--	10/7	1.0	17
CROPLAN GENETICS	RT3512*	27.2	--	--	--	--	88	--	--	10/3	1.0	19
DEKALB	DKB37-51*	37.2	--	--	--	--	120	--	--	10/5	1.0	20
DEKALB	DKB38-52*	34.9	--	--	--	--	113	--	--	10/8	1.0	18
DYNA-GRO	DG 3362NRR*	40.3	--	--	--	--	130	--	--	10/2	1.0	19
DYNA-GRO	DG 3390NRR*	23.8	--	--	--	--	77	--	--	10/3	1.0	16
DYNA-GRO	DG-33A37*	33.2	--	--	--	--	107	--	--	10/2	1.0	19
DYNA-GRO	DG-34P38*	34.5	--	--	--	--	111	--	--	10/3	1.0	17
DYNA-GRO	SXO3135*	27.6	--	--	--	--	89	--	--	10/1	1.0	18
MIDLAND	9A382NRR*	26.4	--	--	--	--	85	--	--	10/8	1.0	19
MIDLAND	9B314NRR*	28.6	--	--	--	--	92	--	--	10/1	1.0	18
MIDLAND	9B354RS*	38.4	--	--	--	--	124	--	--	10/2	1.0	21
NK	S29-C9*	41.8	--	--	--	--	135	--	--	9/30	1.0	19
NK	S32-G5*	26.2	--	--	--	--	85	--	--	10/2	1.0	17
NK	S37-N4*	31.1	--	--	--	--	101	--	--	10/6	1.0	20
NK	S40-R9*	22.4	--	--	--	--	72	--	--	10/11	1.0	19
PIONEER	93B36*	31.0	--	--	--	--	100	--	--	10/2	1.0	17
PIONEER	93B85*	25.2	--	--	--	--	81	--	--	10/9	1.0	16
PIONEER	93M60*	26.2	--	--	--	--	85	--	--	10/4	1.0	18
TAYLOR	EXP3900RR*	35.3	--	--	--	--	114	--	--	10/9	1.0	20
THOMPSON	T-3511RN*	29.1	--	--	--	--	94	--	--	10/3	1.0	17
THOMPSON	T-3737RR/N*	25.5	--	--	--	--	82	--	--	10/7	1.0	20
THOMPSON	T-3838RR*	36.2	--	--	--	--	117	--	--	10/9	1.0	17
THOMPSON	T-3911RN*	37.9	--	--	--	--	122	--	--	10/10	1.0	17
THOMPSON	T-3999RR/N*	30.5	--	--	--	--	99	--	--	10/11	1.0	15
PUBLIC	K1539RR*	36.3	--	--	--	--	117	--	--	10/10	1.0	16
PUBLIC	K1552RR*	36.7	--	--	--	--	118	--	--	10/10	1.0	19
PUBLIC	K1553RR*	27.4	--	--	--	--	89	--	--	10/9	1.0	18
PUBLIC	K1582RR*	39.7	--	--	--	--	128	--	--	10/10	1.0	18
PUBLIC	K1583RR*	25.2	--	--	--	--	81	--	--	10/10	1.0	18
PUBLIC	K1584RR*	25.8	--	--	--	--	83	--	--	10/11	1.0	16
PUBLIC	K1594RR*	24.4	--	--	--	--	79	--	--	10/10	1.0	16
AVERAGES		31.0	25.5	--								
CV (%)		9.6	8.3	--								
LSD (0.10)		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: M

10-34-0 lbs N-P-K fertilizer

Good early season growing conditions prevailed with adequate rainfall through June. Above average temperatures and below average rainfall persisted through July and August, but beneficial precipitation was received in late August.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.6	3.5	9.6	0.2	3.2	5.5	23.6
Irrigation:				3.8	2.5		6.3

Planted 5/15/2003 at 10 seeds/ft; harvested 10/13/2003; 25 ft. by 2-row plot; pesticides: 1.5 pt. Dual at planting, 32 oz. Roundup Ultra postemergence

Table 14. Republic Co. Irrigated Roundup-Resistant Soybean Performance Test, Scandia, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3522R*	68.1	--	--	--	--	100	--	--	10/3	1.0	30
ADVANCED GENETICS	AG3602R*	67.9	73.4	--	70.6	--	100	119	--	10/4	1.0	29
ADVANCED GENETICS	AG3712R*	68.1	56.0	--	62.1	--	100	90	--	10/6	1.0	38
ADVANCED GENETICS	AG3827RS*	66.8	65.8	61.1	66.3	64.5	98	106	98	10/8	1.0	33
ASGROW	AG3201*	70.2	59.7	--	64.9	--	103	96	--	10/3	2.0	34
ASGROW	AG3202*	71.4	--	--	--	--	105	--	--	10/2	1.7	31
ASGROW	AG3703*	66.4	--	--	--	--	98	--	--	10/6	1.0	33
ASGROW	AG3801*	69.4	--	--	--	--	102	--	--	10/8	1.0	31
ASGROW	AG3905*	65.2	--	--	--	--	96	--	--	10/9	1.0	36
CROPLAN GENETICS	RC3732*	68.5	--	--	--	--	101	--	--	10/6	1.3	30
DEKALB	DKB37-51*	67.8	--	--	--	--	100	--	--	10/6	1.0	34
DEKALB	DKB38-52*	69.3	81.2	--	75.3	--	102	131	--	10/7	1.0	31
GARST	3212RR/N*	69.2	--	--	--	--	102	--	--	10/1	1.0	33
GARST	3535RR/STS*	68.5	--	--	--	--	101	--	--	10/4	1.0	32
GARST	3712RR/N*	70.2	68.9	62.8	69.5	67.3	103	111	101	10/7	1.0	31
GARST	3824RR/N*	71.4	--	--	--	--	105	--	--	10/9	1.0	34
MIDLAND	9A382NRR*	67.1	60.3	--	63.7	--	99	97	--	10/8	1.0	37
MIDLAND	9B314NRR*	66.5	--	--	--	--	98	--	--	10/2	1.0	33
MIDLAND	9B333RS*	67.4	60.4	--	63.9	--	99	98	--	10/2	1.0	34
MIDLAND	9B354RS*	70.4	--	--	--	--	103	--	--	10/4	1.0	33
MIDLAND	9B374NRR*	67.5	--	--	--	--	99	--	--	10/7	1.0	30
MIDLAND	9B404NRR*	69.5	--	--	--	--	102	--	--	10/10	1.0	34
MIDLAND	9G380RS*	66.0	58.0	61.7	62.0	61.9	97	94	99	10/8	1.0	31
NC+	3A84RR*	71.8	--	--	--	--	106	--	--	10/8	1.0	32
NK	S32-G5*	68.5	66.4	--	67.5	--	101	107	--	10/2	1.0	33
NK	S37-N4*	68.2	57.2	--	62.7	--	100	92	--	10/6	1.0	38
NK	S39-K6*	69.0	60.8	--	64.9	--	101	98	--	10/9	1.0	34
NK	S40-R9*	69.1	--	--	--	--	102	--	--	10/10	1.0	37
PIONEER	93B36*	69.9	--	--	--	--	103	--	--	10/3	1.7	32
PIONEER	93B68*	69.5	68.3	--	68.9	--	102	110	--	10/4	1.0	33
PIONEER	93M80*	66.4	--	--	--	--	98	--	--	10/9	1.3	36
STINE	S3200-4*	66.1	--	--	--	--	97	--	--	10/2	1.0	31
STINE	S3932-4*	67.6	--	--	--	--	99	--	--	10/9	1.0	29
TAYLOR	357RR*	67.9	71.4	68.5	69.7	69.3	100	115	110	10/4	1.3	30
TAYLOR	EXP3350RR*	67.6	--	--	--	--	99	--	--	10/3	1.0	33
TAYLOR	EXP39-357RR*	66.8	--	--	--	--	98	--	--	10/10	1.0	32
TRIUMPH	TRX3P33RR/STS*	69.2	--	--	--	--	102	--	--	10/3	1.0	31
TRIUMPH	TRX3P39RR*	66.0	--	--	--	--	97	--	--	10/5	1.0	31
PUBLIC	K1539RR*	66.7	51.0	57.9	58.9	58.5	98	82	93	10/9	1.0	34
PUBLIC	K1552RR*	68.3	--	--	--	--	100	--	--	10/10	1.3	33
PUBLIC	K1553RR*	64.5	--	--	--	--	95	--	--	10/9	1.0	33
PUBLIC	K1582RR*	66.0	57.4	--	61.7	--	97	93	--	10/10	1.0	35
PUBLIC	K1583RR*	66.4	--	--	--	--	98	--	--	10/9	1.0	30
PUBLIC	K1584RR*	66.2	--	--	--	--	97	--	--	10/9	1.0	34
PUBLIC	K1594RR*	67.0	--	--	--	--	99	--	--	10/8	1.0	34
AVERAGES		68.0	61.9	62.0								
CV (%)		2.8	8.5	2.7								
LSD (0.10)		2.6	7.1	2.2								

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

Irwin silty clay loam, pH 6.7, 1.9% OM; P test: VH, K test: VH
0-0-0 lbs N-P-K fertilizer

No-tilled into limited moisture, emerged in 6 days. Temperatures and precipitation below average in June. In July and August, temperatures above normal, precipitation below normal. Late-season rains and late frost enabled respectable yields.

April May June July Aug. Sept. Total

Rainfall: 4.0 4.9 2.9 0.9 4.3 3.8 20.8

Planted 6/14/2003 at 8 seeds/ft; harvested 11/13/2003; 30 ft. by 2-row plot; pesticides: 26 oz. Roundup Ultra Max + 1.7 lb. AMS

Table 15. Harvey Co. Roundup-Resistant Soybean Performance Test, Hesston, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3522R*	21.7	--	--	--	--	101	--	--	10/18	1.0	18
ADVANCED GENETICS	AG3712R*	22.4	--	--	--	--	105	--	--	10/15	1.0	22
ADVANCED GENETICS	AG3733NRR*	22.5	--	--	--	--	105	--	--	10/18	1.0	19
ADVANCED GENETICS	AG3827RS*	22.8	--	17.9	--	--	106	--	91	10/20	1.0	18
ADVANCED GENETICS	AG4444NRR*	25.9	21.5	--	23.7	--	121	101	--	10/28	1.0	18
ASGROW	AG3005*	19.7	--	--	--	--	92	--	--	10/12	1.0	17
ASGROW	AG3801*	18.0	--	--	--	--	84	--	--	10/20	1.0	14
CROPLAN GENETICS	RC3732*	20.3	--	--	--	--	95	--	--	10/15	1.0	19
CROPLAN GENETICS	RT3512*	7.4	--	--	--	--	35	--	--	10/10	1.0	15
DEKALB	DKB36-51*	19.3	23.6	--	21.4	--	90	111	--	10/16	1.0	21
DEKALB	DKB37-51*	22.7	--	--	--	--	106	--	--	10/15	1.0	18
DEKALB	DKB38-51*	18.6	--	16.3	--	--	87	--	83	10/27	1.0	15
DEKALB	DKB40-51*	21.7	--	22.8	--	--	101	--	115	11/1	1.0	17
DELTAPINE	DP4331RR*	24.9	--	--	--	--	116	--	--	10/26	1.0	20
DELTAPINE	DPX3761R*	20.6	21.7	--	21.2	--	96	103	--	10/15	1.0	18
DYNA-GRO	DG 3362NRR*	22.8	16.6	--	19.7	--	107	78	--	10/28	1.0	15
DYNA-GRO	DG 3390NRR*	21.9	--	16.8	--	--	102	--	85	10/18	1.0	17
DYNA-GRO	DG 3443NRR*	25.1	--	--	--	--	117	--	--	10/28	1.0	21
DYNA-GRO	DG-33A37*	19.9	--	--	--	--	93	--	--	10/16	1.0	17
DYNA-GRO	DG-3481NRR*	22.9	--	--	--	--	107	--	--	11/2	1.0	18
DYNA-GRO	DG-34P38*	12.9	--	--	--	--	60	--	--	10/15	1.0	15
DYNA-GRO	DG-37R39*	20.8	--	--	--	--	97	--	--	10/24	1.0	19
DYNA-GRO	SXO3140*	19.6	--	--	--	--	91	--	--	10/27	1.0	17
GARST	3712RR/N*	23.6	22.1	--	22.8	--	110	104	--	10/30	1.0	15
GARST	3812RR/N*	22.6	25.4	--	24.0	--	106	120	--	10/17	1.0	21
GARST	3824RR/N*	21.9	--	--	--	--	102	--	--	10/17	1.0	17
MIDLAND	9A333NRR*	15.5	--	--	--	--	72	--	--	10/12	1.0	20
MIDLAND	9A351NRR*	19.9	21.7	19.2	20.8	20.2	93	103	97	10/15	1.0	20
MIDLAND	9A373NRR*	20.8	--	--	--	--	97	--	--	10/15	1.0	19
MIDLAND	9A382NRR*	23.2	--	--	--	--	108	--	--	10/16	1.0	21
MIDLAND	9A411NRR*	23.3	22.0	20.3	22.6	21.9	109	104	103	10/28	1.0	17
MIDLAND	9A432NRS*	20.3	24.3	24.5	22.3	23.0	95	115	124	11/3	1.0	19
MIDWEST SEED	GR3531*	16.8	--	--	--	--	78	--	--	10/13	1.0	17
MIDWEST SEED	GR3931*	24.4	--	17.4	--	--	114	--	88	10/18	1.0	17
NC+	3A84RR*	23.6	--	--	--	--	110	--	--	11/2	1.0	15
NK	S39-K6*	21.6	--	--	--	--	101	--	--	10/29	1.0	17
NK	S40-R9*	22.8	26.0	--	24.4	--	106	123	--	10/30	1.0	20
NK	S46-W8*	23.7	--	--	--	--	111	--	--	10/27	1.0	19
PIONEER	93B85*	17.3	21.9	16.3	19.6	18.5	81	104	82	10/24	1.0	15
PIONEER	93M60*	15.9	--	--	--	--	74	--	--	10/17	1.0	19
PIONEER	93M80*	16.5	--	--	--	--	77	--	--	10/28	1.0	21
STINE	S3932-4*	27.4	--	--	--	--	128	--	--	10/31	1.0	16
STINE	S4102-4*	21.9	23.0	--	22.5	--	102	109	--	10/30	1.0	15
TAYLOR	427RR*	22.4	25.3	26.0	23.9	24.6	105	120	132	11/2	1.0	20
TRIUMPH	TR3672RR/STS*	18.9	22.6	--	20.7	--	88	107	--	10/20	1.0	17
TRIUMPH	TR4462RR*	26.8	21.2	21.2	24.0	23.1	125	100	107	10/29	1.0	19
PUBLIC	K1539RR*	29.4	23.3	--	26.3	--	137	110	--	11/1	1.0	16
PUBLIC	K1552RR*	22.1	--	--	--	--	103	--	--	10/30	1.0	17
PUBLIC	K1553RR*	26.0	--	--	--	--	122	--	--	11/2	1.0	18
PUBLIC	K1582RR*	24.9	24.7	--	24.8	--	116	117	--	11/1	1.0	17
PUBLIC	K1583RR*	23.4	--	--	--	--	109	--	--	10/26	1.0	16
PUBLIC	K1584RR*	19.1	--	--	--	--	89	--	--	10/30	1.0	17
PUBLIC	K1594RR*	27.9	--	--	--	--	130	--	--	10/31	1.0	18
AVERAGES		21.4	21.2	19.7								
CV (%)		12.7	12.8	15.0								
LSD (0.10)		3.2	3.2	3.5								

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

Pratt loamy fine sand, pH 6.5, 0.8% OM; P test: H, K test: H Good early-season conditions followed by hot, dry July and August. Late rains helped fill grain.
0-0-0 lbs N-P-K fertilizer

April May June July Aug. Sept. Total

Rainfall: 2.5 3.5 1.4 0.7 2.7 1.5 11.3

Irrigation:

Planted 5/4/2003 at 10 seeds/ft; harvested 10/16/2003; 28 ft. by 2-row plot; pesticides: 2 applications of Roundup Ultra

Table 16. Stafford Co. Irrigated Roundup-Resistant Soybean Performance Test, St. John, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3522R*	61.7	--	--	--	--	113	--	--	9/24	1.0	33
ADVANCED GENETICS	AG3602R*	53.6	--	--	--	--	98	--	--	9/24	1.3	28
ADVANCED GENETICS	AG3712R*	55.6	--	--	--	--	102	--	--	9/21	1.3	37
ADVANCED GENETICS	AG3733NRR*	57.0	--	--	--	--	104	--	--	9/22	1.0	33
ADVANCED GENETICS	AG3827RS*	56.3	--	--	--	--	103	--	--	9/24	1.5	33
ADVANCED GENETICS	AG4444NRR*	56.3	59.2	--	57.7	--	103	123	--	9/30	1.5	37
ASGROW	AG3201*	50.1	37.8	--	44.0	--	92	79	--	9/17	1.0	35
ASGROW	AG3202*	49.1	--	--	--	--	90	--	--	9/15	1.0	35
ASGROW	AG3401*	54.8	46.6	--	50.7	--	100	97	--	9/18	1.0	37
ASGROW	AG3703*	51.8	--	--	--	--	95	--	--	9/22	1.0	30
ASGROW	AG3801*	52.7	--	--	--	--	96	--	--	9/20	1.0	30
ASGROW	AG3905*	58.4	--	--	--	--	107	--	--	9/26	1.0	35
CROPLAN GENETICS	RC3732*	63.1	--	--	--	--	115	--	--	9/24	1.0	34
CROPLAN GENETICS	RT3512*	47.2	--	--	--	--	86	--	--	9/17	1.0	30
DEKALB	DKB40-51*	54.9	--	63.9	--	--	100	--	105	9/26	1.0	35
DELTAPINE	DP4331RR*	58.3	--	--	--	--	107	--	--	10/1	1.3	36
DELTAPINE	DPX3761R*	52.8	37.4	--	45.1	--	96	78	--	9/25	1.3	30
GARST	3812RR/N*	59.0	57.9	--	58.4	--	108	121	--	9/24	1.5	37
GARST	3824RR/N*	61.4	--	--	--	--	112	--	--	9/27	1.3	35
MIDLAND	9A351NRR*	56.1	53.6	65.5	54.9	58.4	103	112	108	9/25	1.0	35
MIDLAND	9A373NRR*	58.6	--	--	--	--	107	--	--	9/24	1.5	32
MIDWEST SEED	GR3732*	57.0	45.2	--	51.1	--	104	94	--	9/24	1.3	32
MIDWEST SEED	GR3932*	53.6	--	--	--	--	98	--	--	9/25	1.0	31
NC+	3A84RR*	55.6	--	--	--	--	102	--	--	9/23	1.0	28
NK	S39-K6*	60.7	--	--	--	--	111	--	--	9/26	1.3	36
NK	S40-R9*	54.8	--	--	--	--	100	--	--	10/1	1.3	38
NK	S46-W8*	50.2	--	59.8	--	--	92	--	98	10/4	2.0	38
PIONEER	93B72*	52.1	49.0	62.2	50.6	54.4	95	102	102	9/22	1.8	34
PIONEER	93B85*	60.6	47.2	61.7	53.9	56.5	111	98	101	9/23	1.3	33
PIONEER	94B13*	47.4	--	--	--	--	87	--	--	9/28	1.3	36
STINE	S3932-4*	57.0	--	--	--	--	104	--	--	9/26	1.0	32
STINE	S4542-4*	50.2	--	--	--	--	92	--	--	10/4	1.5	39
TAYLOR	444RR*	61.0	54.5	--	57.8	--	111	114	--	10/1	1.0	33
TRIUMPH	TR4462RR*	57.3	54.9	67.1	56.1	59.8	105	114	110	10/5	2.0	36
TRIUMPH	TRX3P39RR*	57.8	--	--	--	--	106	--	--	9/24	1.5	31
PUBLIC	K1539RR*	50.6	42.4	57.0	46.5	50.0	92	88	94	9/30	1.8	32
PUBLIC	K1552RR*	54.6	--	--	--	--	100	--	--	9/30	1.8	34
PUBLIC	K1553RR*	48.0	--	--	--	--	88	--	--	10/5	1.8	32
PUBLIC	K1582RR*	51.0	48.0	--	49.5	--	93	100	--	9/29	1.0	34
PUBLIC	K1583RR*	50.4	--	--	--	--	92	--	--	9/22	1.5	31
PUBLIC	K1584RR*	50.5	--	--	--	--	92	--	--	9/27	1.0	35
PUBLIC	K1594RR*	51.9	--	--	--	--	95	--	--	9/27	1.3	34
AVERAGES		54.7	48.0	60.8								
CV (%)		8.1	14.6	9.8								
LSD (0.10)		5.2	8.2	7.0								

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

Keith silt loam, pH 7.5, 1.6% OM; P test: na, K test: na
50-15-0 lbs N-P-K fertilizer

Good growing conditions prevailed throughout the season. No significant disease or insect problems were noted.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.2	2.3	4.7	0.4	3.0	0.0	12.6
Irrigation:				10.0	6.0	3.0	19.0

Planted 5/13/2003 at 9 seeds/ft; harvested 10/6/2003; 20 ft. by 2-row plot; pesticides: 1.5 pt. Roundup Ultra Max

Table 17. Thomas Co. Irrigated Roundup-Resistant Soybean Performance Test, Colby, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ASGROW	AG3005*	64.0	--	--	--	--	107	--	--	9/24	2.3	36
ASGROW	AG3201*	64.8	--	--	--	--	108	--	--	9/23	2.0	40
ASGROW	AG3202*	61.5	--	--	--	--	103	--	--	9/22	2.0	39
ASGROW	AG3302*	63.3	62.9	67.6	63.1	64.6	105	105	104	9/21	1.5	40
CROPLAN GENETICS	RT3512*	64.8	--	--	--	--	108	--	--	9/25	2.0	35
DYNA-GRO	SXO3135*	55.8	--	--	--	--	93	--	--	9/24	1.8	34
GARST	3112RR/N*	53.0	54.0	--	53.5	--	88	90	--	9/20	1.0	37
GARST	3135RR*	62.3	59.7	--	61.0	--	104	100	--	9/21	1.0	35
GARST	3535RR/STS*	60.0	--	--	--	--	100	--	--	9/23	1.0	40
NC+	3A11RR*	64.0	65.0	--	64.5	--	107	108	--	9/23	1.5	36
NK	S29-C9*	62.0	62.6	66.2	62.3	63.6	103	104	102	9/20	1.8	40
NK	S32-M2*	60.8	61.2	61.4	61.0	61.1	101	102	95	9/21	1.0	34
NK	S35-A6*	64.0	63.0	--	63.5	--	107	105	--	9/25	1.5	34
PIONEER	93B36*	62.0	70.0	--	66.0	--	103	117	--	9/25	1.8	38
PIONEER	93B68*	59.8	56.6	--	58.2	--	100	94	--	9/24	1.3	37
PIONEER	93M60*	62.0	--	--	--	--	103	--	--	9/25	1.8	40
STINE	S2900-4*	53.0	--	--	--	--	88	--	--	9/22	1.3	33
STINE	S3200-4*	68.5	61.6	--	65.0	--	114	103	--	9/25	2.0	36
TAYLOR	357RR*	66.0	67.5	--	66.8	--	110	113	--	9/27	2.0	35
TRIUMPH	TR3752RR*	62.5	63.7	--	63.1	--	104	106	--	9/27	2.0	36
TRIUMPH	TRX3P33RR/STS*	63.0	--	--	--	--	105	--	--	9/22	1.0	37
PUBLIC	K1539RR*	59.3	45.0	65.4	52.1	56.5	99	75	101	10/4	2.8	37
PUBLIC	K1552RR*	56.8	--	--	--	--	95	--	--	10/2	3.0	38
PUBLIC	K1553RR*	57.3	--	--	--	--	95	--	--	10/4	3.0	38
PUBLIC	K1582RR*	56.8	47.4	--	52.1	--	95	79	--	9/29	2.3	37
PUBLIC	K1583RR*	47.8	--	--	--	--	80	--	--	9/27	3.0	35
PUBLIC	K1584RR*	47.3	--	--	--	--	79	--	--	9/26	1.8	35
PUBLIC	K1594RR*	59.8	--	--	--	--	100	--	--	10/3	3.0	38
AVERAGES		60.0	59.9	64.8								
CV (%)		7.9	9.0	5.3								
LSD (0.10)		5.6	6.3	4.0								

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

June temperatures were cool and iron deficiency chlorosis slowed early growth and development. Soybean stem borer infested plots, but all plants were standing well at harvest.

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

April May June July Aug. Sept. Total

Rainfall: 2.5 3.0 3.4 0.9 3.0 0.9 13.7

Irrigation: 12.0 12.0 4.0 28.0

Planted 5/8/2003 at 10 seeds/ft; harvested 10/9/2003; 20 ft. by 4-row plot; pesticides: 2.5 qt. Pursuit Plus

Table 18. Finney Co. Irrigated Roundup-Resistant Soybean Performance Test, Garden City, 2001-2003.

BRAND	NAME	ACRE YIELD, BUSHEL					YIELD AS % OF TEST AVERAGE			2003		
		2003	2002	2001	2-Yr. AVG.	3-Yr. AVG.	2003	2002	2001	Mat	Lodge score	Ht (in)
ASGROW	AG3702*	42.3	51.7	--	47.0	--	90	97	--	9/23	1.0	25
ASGROW	AG3801*	51.4	--	--	--	--	109	--	--	9/22	1.0	25
CROPLAN GENETICS	RC3732*	47.0	--	--	--	--	100	--	--	9/21	1.0	23
CROPLAN GENETICS	RT3512*	43.2	--	--	--	--	92	--	--	9/21	1.0	22
DEKALB	DKB37-51*	51.5	--	--	--	--	110	--	--	9/21	1.0	26
DEKALB	DKB38-51*	51.5	--	46.2	--	--	110	--	90	9/21	1.0	23
DEKALB	DKB38-52*	38.8	43.4	--	41.1	--	82	81	--	9/23	1.3	24
DYNA-GRO	DG 3362NRR*	49.9	55.1	--	52.5	--	106	103	--	9/23	1.0	25
DYNA-GRO	DG 3390NRR*	37.9	38.3	48.4	38.1	41.5	81	72	95	9/21	1.0	23
DYNA-GRO	DG-33A37*	49.7	--	--	--	--	106	--	--	9/21	1.0	27
DYNA-GRO	DG-34P38*	39.6	--	--	--	--	84	--	--	9/22	1.0	21
DYNA-GRO	DG-37R39*	63.5	--	--	--	--	135	--	--	9/23	1.0	25
DYNA-GRO	SXO3140*	32.6	--	--	--	--	69	--	--	9/24	1.0	23
GARST	3535RR/STS*	51.3	--	--	--	--	109	--	--	9/17	1.0	26
GARST	3712RR/N*	51.2	57.8	--	54.5	--	109	108	--	9/23	1.0	23
GARST	3812RR/N*	46.8	--	--	--	--	100	--	--	9/23	1.0	25
GARST	3824RR/N*	40.5	--	--	--	--	86	--	--	9/21	1.0	23
HELENA	3574*	44.2	--	--	--	--	94	--	--	9/19	1.0	21
HELENA	3814*	50.5	--	--	--	--	107	--	--	9/26	1.0	24
MIDLAND	9A373NRR*	48.5	--	--	--	--	103	--	--	9/21	1.0	25
MIDLAND	9A432NRR*	54.3	47.8	57.5	51.0	53.2	116	89	113	10/1	1.0	25
NK	S39-K6*	51.0	--	--	--	--	109	--	--	9/24	1.0	29
NK	S40-R9*	40.7	--	--	--	--	87	--	--	9/27	1.0	26
PIONEER	93B68*	59.4	67.2	--	63.3	--	126	126	--	9/19	1.0	22
PIONEER	93B72*	45.9	--	44.9	--	--	98	--	88	9/18	1.0	23
PIONEER	93B85*	62.7	60.4	58.9	61.5	60.6	133	113	115	9/24	1.0	26
STINE	S3932-4*	47.4	--	--	--	--	101	--	--	9/25	1.0	25
STINE	S4032-4*	37.7	--	--	--	--	80	--	--	9/22	1.0	23
TRIUMPH	TR3752RR*	52.7	--	--	--	--	112	--	--	9/24	1.0	25
TRIUMPH	TR4462RR*	46.1	65.5	50.5	55.8	54.0	98	123	99	9/30	1.0	30
PUBLIC	K1539RR*	49.5	45.2	--	47.3	--	105	85	--	9/30	1.0	27
PUBLIC	K1552RR*	41.7	--	--	--	--	89	--	--	9/27	1.0	21
PUBLIC	K1582RR*	45.9	53.8	--	49.9	--	98	101	--	9/24	1.0	26
PUBLIC	K1583RR*	47.2	--	--	--	--	100	--	--	9/26	1.0	21
PUBLIC	K1584RR*	40.0	--	--	--	--	85	--	--	9/21	1.0	22
PUBLIC	K1594RR*	48.4	--	--	--	--	103	--	--	9/25	1.0	23
AVERAGES		47.0	53.5	51.1								
CV (%)		11.2	18.3	16.5								
LSD (0.10)		7.1	13.3	11.4								

Table 19. Yield as % of Test Average from 2003 Locations - CONVENTIONAL Tests.

BRAND	NAME	Ottawa	Parsons		Scandia	Hesston	AVERAGE	SCN, Columbus
			MG 3-4	MG 4-5				
ADVANCED GENETICS	AG4602N	--	137	--	--	--	137	76
ADVANCED GENETICS	AG4997N	--	--	95	--	--	95	107
CSF	4602C	119	--	--	--	--	119	--
GARST	3906N	--	--	--	105	--	105	--
GARST	4512RR/N*	--	128	--	--	--	128	--
GARST	5412RR/STS/N*	--	--	--	--	--	--	114
GARST	D445N	--	--	--	--	--	--	73
GARST	D484RR/N*	--	--	--	--	--	--	95
KSOY	KS4202	88	86	--	98	97	92	--
KSOY	KS4602N	104	131	--	96	112	111	73
KSOY	KS4997	--	--	97	--	--	97	88
KSOY	KS5502N	--	--	115	--	--	115	129
KSOY	STRESSLAND	113	99	--	94	92	100	74
PIONEER	93B86	105	--	--	--	--	105	--
PIONEER	94M70*	--	--	86	--	--	86	84
PIONEER	95B42*	--	--	98	--	--	98	108
PIONEER	95B53*	--	--	114	--	--	114	125
STINE	S5142-4*	--	--	--	--	--	--	90
PUBLIC	HUTCHESON	--	--	91	--	--	91	104
PUBLIC	IA3010	74	84	--	85	78	80	--
PUBLIC	K1514	98	107	--	115	103	106	--
PUBLIC	K1519	110	107	--	101	112	108	--
PUBLIC	K1530	--	--	107	--	--	107	117
PUBLIC	K1547	96	92	--	106	93	97	--
PUBLIC	K1548	104	110	--	100	109	106	--
PUBLIC	K1560	37	57	--	112	46	63	--
PUBLIC	K1563	96	85	--	101	99	95	--
PUBLIC	K1566	117	119	--	91	137	116	--
PUBLIC	K1567	127	105	--	106	135	118	--
PUBLIC	K1572	105	85	--	103	107	100	--
PUBLIC	K1574	--	--	94	--	--	94	--
PUBLIC	K1575	--	--	104	--	--	104	113
PUBLIC	K1592	98	91	--	99	99	97	--
PUBLIC	KS5292	--	--	96	--	--	96	111
PUBLIC	MANOKIN	--	--	104	--	--	104	121
PUBLIC	WILLIAMS 82	111	78	--	88	98	94	--

Table 20. Yield as % of Test Average from 2003 Locations - ROUNDUP-RESISTANT Tests.

BRAND	NAME	Powhattan	Topeka	Ottawa	Columbus			Scandia	Hesston	St.		Garden City	AVERAGE
					MG 3-4	MG 4-5	Belleville			John	Colby		
ADVANCED GENETICS	AG3522R*	--	--	--	--	--	--	100	101	113	--	--	105
ADVANCED GENETICS	AG3602R*	--	--	--	--	--	--	100	--	98	--	--	99
ADVANCED GENETICS	AG3712R*	--	--	--	--	--	--	100	105	102	--	--	102
ADVANCED GENETICS	AG3733NRR*	--	104	--	--	--	--	--	105	104	--	--	104
ADVANCED GENETICS	AG3827RS*	--	--	--	--	--	--	98	106	103	--	--	102
ADVANCED GENETICS	AG4444NRR*	--	--	122	102	--	--	--	121	103	--	--	112
ADVANCED GENETICS	AG4677NRS*	--	--	126	97	--	--	--	--	--	--	--	112
ADVANCED GENETICS	AG5012NRR*	--	--	133	--	102	--	--	--	--	--	--	118
ADVANCED GENETICS	AG5333NRR*	--	--	150	--	112	--	--	--	--	--	--	131
ADVANCED GENETICS	AG5424NRR*	--	--	133	--	108	--	--	--	--	--	--	121
ASGROW	AG3005*	--	--	--	--	--	73	--	92	--	107	--	91
ASGROW	AG3201*	--	--	--	--	--	136	103	--	92	108	--	110
ASGROW	AG3202*	--	--	--	--	--	--	105	--	90	103	--	99
ASGROW	AG3302*	109	--	--	--	--	95	--	--	--	105	--	103
ASGROW	AG3401*	--	--	--	--	--	--	--	--	100	--	--	100
ASGROW	AG3702*	--	102	--	--	--	--	--	--	--	--	90	96
ASGROW	AG3703*	82	--	--	--	--	--	98	--	95	--	--	92
ASGROW	AG3801*	88	108	--	--	--	96	102	84	96	--	109	98
ASGROW	AG3905*	108	101	98	--	--	--	96	--	107	--	--	102
ASGROW	AG4201*	108	--	--	--	--	--	--	--	--	--	--	108
ASGROW	AG4403*	114	99	124	106	--	--	--	--	--	--	--	111
ASGROW	AG4502*	101	125	120	81	--	--	--	--	--	--	--	107
ASGROW	AG4603*	--	103	114	110	--	--	--	--	--	--	--	109
ASGROW	AG4702*	--	--	119	--	84	--	--	--	--	--	--	102
ASGROW	AG5301*	--	--	--	--	113	--	--	--	--	--	--	113
ASGROW	AG5501*	--	--	--	--	115	--	--	--	--	--	--	115
ASGROW	AG5605*	--	--	--	--	113	--	--	--	--	--	--	113
CROPLAN GENETICS	RC3732*	89	108	97	--	--	80	101	95	115	--	100	98
CROPLAN GENETICS	RC4432*	--	--	116	111	--	--	--	--	--	--	--	114
CROPLAN GENETICS	RC5332*	--	--	--	--	94	--	--	--	--	--	--	94
CROPLAN GENETICS	RT3512*	90	--	--	--	--	88	--	35	86	108	92	83
DEKALB	DKB36-51*	--	--	--	--	--	--	--	90	--	--	--	90
DEKALB	DKB37-51*	94	102	--	--	--	120	100	106	--	--	110	105
DEKALB	DKB38-51*	--	--	--	--	--	--	--	87	--	--	110	99
DEKALB	DKB38-52*	93	104	93	--	--	113	102	--	--	--	82	98
DEKALB	DKB40-51*	103	--	107	--	--	--	--	101	100	--	--	103
DEKALB	DKB44-51*	--	99	115	98	--	--	--	--	--	--	--	104
DEKALB	DKB46-51*	--	95	130	104	--	--	--	--	--	--	--	110
DELTAPINE	DP4331RR*	--	--	--	104	--	--	--	116	107	--	--	109
DELTAPINE	DPX3761R*	--	--	--	84	--	--	--	96	96	--	--	92
DYNA-GRO	DG 3362NRR*	99	--	--	--	--	130	--	107	--	--	106	111
DYNA-GRO	DG 3390NRR*	99	--	86	--	--	77	--	102	--	--	81	89
DYNA-GRO	DG 3443NRR*	--	--	112	105	--	--	--	117	--	--	--	111
DYNA-GRO	DG-33A37*	120	--	89	--	--	107	--	93	--	--	106	103
DYNA-GRO	DG-3481NRR*	--	--	102	--	81	--	--	107	--	--	--	97
DYNA-GRO	DG-34P38*	109	--	61	--	--	111	--	60	--	--	84	85
DYNA-GRO	DG-37R39*	--	--	86	75	--	--	--	97	--	--	135	98
DYNA-GRO	SXO3135*	--	--	--	--	--	89	--	--	--	93	--	91
DYNA-GRO	SXO3140*	--	--	72	52	--	--	--	91	--	--	69	71
GARST	3112RR/N*	--	--	--	--	--	--	--	--	--	88	--	88
GARST	3135RR*	--	--	--	--	--	--	--	--	--	104	--	104
GARST	3212RR/N*	--	--	--	--	--	--	102	--	--	--	--	102
GARST	3535RR/STS*	103	84	--	--	--	--	101	--	--	100	109	99
GARST	3712RR/N*	113	104	106	--	--	--	103	110	--	--	109	108
GARST	3812RR/N*	96	84	93	--	--	--	--	106	108	--	100	98
GARST	3824RR/N*	91	95	82	--	--	--	105	102	112	--	86	96

Table 20. Yield as % of Test Average from 2003 Locations - ROUNDUP-RESISTANT Tests - continued.

BRAND	NAME	Powhattan	Topeka	Ottawa	Columbus			Scandia	Hesston	St.		Garden City	AVERAGE
					MG 3-4	MG 4-5	Belleville			John	Colby		
GARST	4312RR/STS/N*	--	--	93	--	--	--	--	--	--	--	--	93
GARST	4512RR/N*	--	--	121	93	--	--	--	--	--	--	--	107
GARST	5512RR/N*	--	--	--	--	98	--	--	--	--	--	--	98
GARST	D484RR/N*	--	--	--	--	88	--	--	--	--	--	--	88
HELENA	3574*	--	--	--	--	--	--	--	--	--	--	94	94
HELENA	3814*	--	--	--	--	--	--	--	--	--	--	107	107
KRUGER	344RR/SCN*	97	102	55	--	--	--	--	--	--	--	--	85
KRUGER	349RR*	99	93	67	--	--	--	--	--	--	--	--	86
KRUGER	353RR*	97	76	91	--	--	--	--	--	--	--	--	88
KRUGER	355RR/SCN*	101	124	78	--	--	--	--	--	--	--	--	101
KRUGER	379RR*	88	112	86	--	--	--	--	--	--	--	--	95
KRUGER	380RR/SCN*	84	115	90	--	--	--	--	--	--	--	--	96
KRUGER	383RR*	113	101	54	--	--	--	--	--	--	--	--	89
KRUGER	390RR/SCN*	85	103	84	--	--	--	--	--	--	--	--	91
KRUGER	393RR/SCN*	97	103	91	--	--	--	--	--	--	--	--	97
KRUGER	395RR/SCN*	99	102	68	--	--	--	--	--	--	--	--	90
KRUGER	397RR/SCN*	106	85	91	--	--	--	--	--	--	--	--	94
KRUGER	399+RR/SCN*	84	104	78	--	--	--	--	--	--	--	--	89
KRUGER	404RR*	105	102	113	--	--	--	--	--	--	--	--	107
KRUGER	434RR*	102	105	100	--	--	--	--	--	--	--	--	102
KRUGER	440RR*	88	110	88	--	--	--	--	--	--	--	--	95
KRUGER	445RR*	85	117	105	--	--	--	--	--	--	--	--	102
LEWIS	3875RR*	104	--	--	--	--	--	--	--	--	--	--	104
LEWIS	3915RR*	85	--	--	--	--	--	--	--	--	--	--	85
LEWIS	3995RR*	--	97	--	--	--	--	--	--	--	--	--	97
LEWIS	4366RR*	--	106	--	--	--	--	--	--	--	--	--	106
MFA MORSOY	RT 3881N*	--	--	94	--	--	--	--	--	--	--	--	94
MFA MORSOY	RT 3883N*	--	--	96	--	--	--	--	--	--	--	--	96
MFA MORSOY	RT 4480N*	--	--	118	98	--	--	--	--	--	--	--	108
MFA MORSOY	RT 4731N*	--	--	119	--	89	--	--	--	--	--	--	104
MFA MORSOY	RT 4802N*	--	--	113	--	74	--	--	--	--	--	--	94
MFA MORSOY	RT 4993N*	--	--	--	--	91	--	--	--	--	--	--	91
MFA MORSOY	RT 5252N*	--	--	--	--	99	--	--	--	--	--	--	99
MFA MORSOY	RT 5442N*	--	--	--	--	102	--	--	--	--	--	--	102
MIDLAND	9A333NRR*	111	104	--	--	--	--	72	--	--	--	--	96
MIDLAND	9A351NRR*	92	--	84	--	--	--	93	103	--	--	--	93
MIDLAND	9A373NRR*	93	107	94	--	--	--	97	107	--	103	--	100
MIDLAND	9A382NRR*	92	--	88	--	--	85	99	108	--	--	--	94
MIDLAND	9A411NRR*	--	--	--	--	--	--	109	--	--	--	--	109
MIDLAND	9A414NRR*	108	88	94	--	--	--	--	--	--	--	--	97
MIDLAND	9A432NRS*	--	--	115	108	--	--	95	--	--	116	--	109
MIDLAND	9A442NRR*	--	--	109	100	--	--	--	--	--	--	--	105
MIDLAND	9A462NRS*	--	--	115	104	--	--	--	--	--	--	--	110
MIDLAND	9A483NRR*	--	--	--	--	80	--	--	--	--	--	--	80
MIDLAND	9A564NRS*	--	--	--	--	113	--	--	--	--	--	--	113
MIDLAND	9B314NRR*	--	--	--	--	--	92	98	--	--	--	--	95
MIDLAND	9B333RS*	--	--	--	--	--	--	99	--	--	--	--	99
MIDLAND	9B354RS*	--	--	--	--	--	124	103	--	--	--	--	114
MIDLAND	9B374NRR*	--	--	--	--	--	--	99	--	--	--	--	99
MIDLAND	9B404NRR*	--	--	--	--	--	--	102	--	--	--	--	102
MIDLAND	9E362NRR*	104	102	--	--	--	--	--	--	--	--	--	103
MIDLAND	9G380RS*	--	--	--	--	--	--	97	--	--	--	--	97
MIDWEST SEED	GR3531*	--	--	--	--	--	--	78	--	--	--	--	78
MIDWEST SEED	GR3732*	99	--	--	--	--	--	--	104	--	--	--	102
MIDWEST SEED	GR3931*	107	100	--	--	--	--	114	--	--	--	--	107
MIDWEST SEED	GR3932*	--	--	107	--	--	--	--	98	--	--	--	103

Table 20. Yield as % of Test Average from 2003 Locations - ROUNDUP-RESISTANT Tests - continued.

BRAND	NAME	Powhattan	Topeka	Ottawa	Columbus				St. John	Colby	Garden City	AVERAGE	
					MG 3-4	MG 4-5	Belleville	Scandia					Hesston
MIDWEST SEED	GR4152*	--	--	115	--	--	--	--	--	--	--	115	
M-PRIDE	MPV3903NRR*	--	--	99	--	--	--	--	--	--	--	99	
M-PRIDE	MPV457NRR*	--	--	112	102	--	--	--	--	--	--	107	
M-PRIDE	MPV4904NRR*	--	--	--	--	112	--	--	--	--	--	112	
M-PRIDE	MPV5302NRR*	--	--	--	--	105	--	--	--	--	--	105	
M-PRIDE	MPV5502NRR*	--	--	--	--	116	--	--	--	--	--	116	
M-PRIDE	MPV5504NRR*	--	--	--	--	119	--	--	--	--	--	119	
NC+	3A11RR*	--	--	--	--	--	--	--	--	107	--	107	
NC+	3A53RR*	101	123	--	--	--	--	--	--	--	--	112	
NC+	3A84RR*	98	99	109	--	--	106	110	102	--	--	104	
NC+	4A29RR*	99	85	--	--	--	--	--	--	--	--	92	
NC+	4N79RR*	--	--	120	--	75	--	--	--	--	--	98	
NC+	5A45RR*	--	--	--	--	111	--	--	--	--	--	111	
NK	S29-C9*	--	--	--	--	--	135	--	--	103	--	119	
NK	S32-G5*	82	--	--	--	--	85	101	--	--	--	89	
NK	S32-M2*	--	--	--	--	--	--	--	--	101	--	101	
NK	S35-A6*	93	--	--	--	--	--	--	--	107	--	100	
NK	S37-N4*	104	--	--	--	--	101	100	--	--	--	102	
NK	S39-K6*	105	96	97	--	--	101	101	111	--	109	103	
NK	S40-R9*	102	104	110	102	--	72	102	106	100	--	87	98
NK	S42-P7*	--	96	93	--	--	--	--	--	--	--	--	95
NK	S46-W8*	--	89	107	109	--	--	111	92	--	--	--	102
NK	S52-U3*	--	--	--	--	124	--	--	--	--	--	--	124
NK	X257RS*	--	--	--	--	126	--	--	--	--	--	--	126
NU PRIDE	8381RR*	--	86	89	--	--	--	--	--	--	--	--	88
NU PRIDE	8434NRS*	--	106	117	111	--	--	--	--	--	--	--	111
NU PRIDE	8472RR*	--	--	--	--	66	--	--	--	--	--	--	66
PIONEER	93B36*	--	--	--	--	--	100	103	--	--	103	--	102
PIONEER	93B68*	--	--	--	--	--	--	102	--	--	100	126	109
PIONEER	93B72*	--	--	--	--	--	--	--	--	95	--	98	97
PIONEER	93B85*	128	97	79	--	--	81	--	81	111	--	133	101
PIONEER	93M60*	95	--	--	--	--	85	--	74	--	103	--	89
PIONEER	93M80*	107	98	--	--	--	--	98	77	--	--	--	95
PIONEER	94B13*	--	79	83	--	--	--	--	--	87	--	--	83
PIONEER	94M70*	--	--	--	--	83	--	--	--	--	--	--	83
PIONEER	95B42*	--	--	--	--	118	--	--	--	--	--	--	118
PIONEER	95B53*	--	--	--	--	127	--	--	--	--	--	--	127
PRAIRIE BRAND	PB-3732RR*	96	--	--	--	--	--	--	--	--	--	--	96
PRAIRIE BRAND	PB-4023NRR*	82	--	--	--	--	--	--	--	--	--	--	82
RENZE	R2803RR*	--	--	43	--	--	--	--	--	--	--	--	43
RENZE	R3684Rcn*	101	98	--	--	--	--	--	--	--	--	--	100
RENZE	R3814RR*	109	90	--	--	--	--	--	--	--	--	--	100
RENZE	R3994Rcn*	102	108	93	--	--	--	--	--	--	--	--	101
RENZE	R4233SRcn*	105	92	--	--	--	--	--	--	--	--	--	99
RENZE	R4392Rcn*	--	93	--	--	--	--	--	--	--	--	--	93
STINE	S2900-4*	--	--	--	--	--	--	--	--	--	88	--	88
STINE	S3200-4*	--	--	--	--	--	--	97	--	--	114	--	106
STINE	S3532-4*	101	110	--	--	--	--	--	--	--	--	--	106
STINE	S3832-4*	--	104	89	--	--	--	--	--	--	--	--	97
STINE	S3932-4*	115	107	--	--	--	--	99	128	104	--	101	109
STINE	S4032-4*	--	--	83	--	--	--	--	--	--	--	80	82
STINE	S4102-4*	105	102	97	--	--	--	--	102	--	--	--	102
STINE	S4542-4*	--	--	117	120	--	--	--	--	92	--	--	110
STINE	S5142-4*	--	--	--	--	82	--	--	--	--	--	--	82
TAYLOR	357RR*	--	88	--	--	--	--	100	--	--	110	--	99
TAYLOR	374RR*	103	--	--	--	--	--	--	--	--	--	--	103

Table 20. Yield as % of Test Average from 2003 Locations - ROUNDUP-RESISTANT Tests - continued.

BRAND	NAME	Powhattan	Topeka	Ottawa	Columbus			Scandia	Hesston	St.		Garden City	AVERAGE
					MG 3-4	MG 4-5	Belleville			John	Colby		
TAYLOR	427RR*	--	--	117	--	--	--	--	105	--	--	--	111
TAYLOR	444RR*	--	--	--	--	--	--	--	--	111	--	--	111
TAYLOR	EXP3350RR*	--	--	--	--	--	--	99	--	--	--	--	99
TAYLOR	EXP3900RR*	104	110	--	--	--	114	--	--	--	--	--	109
TAYLOR	EXP39-357RR*	118	98	--	--	--	--	98	--	--	--	--	105
TAYLOR	EXP5100RR*	--	--	--	--	93	--	--	--	--	--	--	93
TAYLOR	EXPE3970RR*	91	--	92	--	--	--	--	--	--	--	--	92
THOMPSON	T-3511RN*	--	--	--	--	--	94	--	--	--	--	--	94
THOMPSON	T-3737RR/N*	108	--	--	--	--	82	--	--	--	--	--	95
THOMPSON	T-3838RR*	95	114	--	--	--	117	--	--	--	--	--	109
THOMPSON	T-3911RN*	92	120	--	--	--	122	--	--	--	--	--	111
THOMPSON	T-3999RR/N*	114	104	--	--	--	99	--	--	--	--	--	106
THOMPSON	T-4322RN*	96	89	--	--	--	--	--	--	--	--	--	93
THOMPSON	T-4545RN*	--	103	--	--	--	--	--	--	--	--	--	103
THOMPSON	T-4848RR/N*	118	91	--	--	--	--	--	--	--	--	--	105
TRIUMPH	TR3672RR/STS*	--	--	--	--	--	--	--	88	--	--	--	88
TRIUMPH	TR3752RR*	--	--	--	--	--	--	--	--	--	104	112	108
TRIUMPH	TR3939RR*	113	--	--	--	--	--	--	--	--	--	--	113
TRIUMPH	TR4462RR*	--	103	127	--	--	--	--	125	105	--	98	112
TRIUMPH	TR5409RR*	--	--	--	--	106	--	--	--	--	--	--	106
TRIUMPH	TRX3B48RR*	--	--	--	--	69	--	--	--	--	--	--	69
TRIUMPH	TRX3P33RR/STS*	--	--	--	--	--	--	102	--	--	105	--	104
TRIUMPH	TRX3P39RR*	102	106	86	--	--	--	97	--	106	--	--	99
WILLCROSS	RR2312*	75	--	--	--	--	--	--	--	--	--	--	75
WILLCROSS	RR2323N*	96	--	--	--	--	--	--	--	--	--	--	96
WILLCROSS	RR2354N*	100	--	--	--	--	--	--	--	--	--	--	100
WILLCROSS	RR2362*	104	--	--	--	--	--	--	--	--	--	--	104
WILLCROSS	RR2373N*	104	--	--	--	--	--	--	--	--	--	--	104
WILLCROSS	RR2383N*	--	110	100	--	--	--	--	--	--	--	--	105
WILLCROSS	RR2388N*	105	--	87	--	--	--	--	--	--	--	--	96
WILLCROSS	RR2392N*	84	96	97	--	--	--	--	--	--	--	--	92
WILLCROSS	RR2393N*	97	108	83	--	--	--	--	--	--	--	--	96
WILLCROSS	RR2432N*	--	94	121	--	--	--	--	--	--	--	--	108
WILLCROSS	RR2473NSTS*	--	--	118	--	--	--	--	--	--	--	--	118
WILLCROSS	RR2474N*	--	--	109	--	84	--	--	--	--	--	--	97
WILLCROSS	RR2494N*	--	--	--	--	85	--	--	--	--	--	--	85
WILLCROSS	RR2542N*	--	--	--	--	104	--	--	--	--	--	--	104
WILLCROSS	RR2549N*	--	--	--	--	110	--	--	--	--	--	--	110
WILLCROSS	RR2553NSTS*	--	--	--	--	113	--	--	--	--	--	--	113
PUBLIC	K1539RR*	117	77	121	128	--	117	98	137	92	99	105	109
PUBLIC	K1544RR*	--	--	--	--	102	--	--	--	--	--	--	102
PUBLIC	K1550RR*	--	--	--	--	110	--	--	--	--	--	--	110
PUBLIC	K1552RR*	104	120	92	99	--	118	100	103	100	95	89	102
PUBLIC	K1553RR*	99	100	108	108	--	89	95	122	88	95	--	100
PUBLIC	K1582RR*	106	93	123	95	--	128	97	116	93	95	98	104
PUBLIC	K1583RR*	96	79	103	80	--	81	98	109	92	80	100	92
PUBLIC	K1584RR*	83	100	89	92	--	83	97	89	92	79	85	89
PUBLIC	K1594RR*	109	63	114	121	--	79	99	130	95	100	103	101
PUBLIC	K1603RR*	--	--	--	--	90	--	--	--	--	--	--	90
PUBLIC	K1608RR*	--	--	--	--	108	--	--	--	--	--	--	108
PUBLIC	K1609RR*	--	--	--	--	112	--	--	--	--	--	--	112
PUBLIC	K97-138-1-77RR*	--	--	--	--	113	--	--	--	--	--	--	113

Table 21. Description of Entries in 2003 Soybean Performance Tests.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		Shattering		
					R1	R3	R4	R14	Source	RR	Tolerance	RR	STS	score
ADVANCED GENETICS	AG3522R*	3.5	--	--	--	--	--	--	--	--	--	--	--	--
ADVANCED GENETICS	AG3602R*	3.6	--	--	--	R	--	R	--	Rps1k	1.8	RR	--	1
ADVANCED GENETICS	AG3712R*	3.7	--	--	--	X	--	--	--	--	1.8	RR	--	2
ADVANCED GENETICS	AG3733NRR*	3.7	P	Bl	--	MR	--	--	--	Rps1c	2.6	RR	--	--
ADVANCED GENETICS	AG3827RS*	3.8	--	Bl	--	--	--	--	--	Rps1k	2.0	RR	STS	2
ADVANCED GENETICS	AG4444NRR*	4.4	P	Bl	--	MR	--	MR	--	Rps1a	2.8	RR	--	1
ADVANCED GENETICS	AG4602N	4.6	P	Bl	--	R	--	MR	--	--	3.0	--	--	--
ADVANCED GENETICS	AG4677NRS*	4.6	P	Bl	--	R	--	MR	--	--	3.0	RR	STS	--
ADVANCED GENETICS	AG4997N	4.9	W/P	Bl	R	R	R	R	cystX	--	3.2	--	--	--
ADVANCED GENETICS	AG5012NRR*	5.0	W	Bf	--	MR	--	--	--	--	3.0	RR	--	1
ADVANCED GENETICS	AG5333NRR*	5.2	W	Bf	--	R	--	MR	--	--	2.5	RR	--	1
ADVANCED GENETICS	AG5424NRR*	5.4	W	Br	--	R	--	R	--	--	3.0	RR	--	1
ASGROW	AG3005*	3.0	P	lb	S	S	S	S	PI88788	RPS1c	5.0	RR	--	--
ASGROW	AG3201*	3.2	P	lb	S	MR	S	S	PI88788	Rps1k	4.0	RR	--	2
ASGROW	AG3202*	3.2	P	lb	S	MR	S	S	PI88788	RPS1c	5.0	RR	--	--
ASGROW	AG3302*	3.3	P	lb	S	S	S	S	PI88788	Rps1c	7.0	RR	STS	2
ASGROW	AG3401*	3.4	P	lb	S	MR	S	S	PI88788	Rps1c	6.0	RR	--	2
ASGROW	AG3702*	3.7	P	lb	S	S	S	S	PI88788	Rps1c	7.0	RR	--	2
ASGROW	AG3703*	3.7	W	Bl	S	R	S	MR	PI88788	S	4.0	RR	--	--
ASGROW	AG3801*	3.8	P	lb	S	R	S	S	PI88788	RPS1c	5.0	RR	--	--
ASGROW	AG3905*	3.9	P	Bl	S	R	S	S	PI88788	RPS1c	4.0	RR	--	--
ASGROW	AG4201*	4.2	W	Bl	S	R	S	MR	PI88788	S	4.0	RR	--	1
ASGROW	AG4403*	4.4	P	Bl	S	MR	S	S	PI88788	Rps1a	5.0	RR	--	2
ASGROW	AG4502*	4.5	P	Bl	S	MR	S	S	PI88788	RPS7	5.0	RR	--	--
ASGROW	AG4603*	4.6	W	Bl	S	R	S	MR	PI88788	S	5.0	RR	--	2
ASGROW	AG4702*	4.7	W	Bl	S	R	S	R	PI88788	S	3.0	RR	--	--
ASGROW	AG5301*	5.3	W	Bf	S	MR	S	MR	PI88788	Rps3a	2.0	RR	--	1
ASGROW	AG5501*	5.5	P	lb	S	R	S	MR	PI88788	S	3.0	RR	--	1
ASGROW	AG5605*	5.6	P	lb	S	R	S	S	PI88788	S	3.0	RR	--	--
CROPLAN GENETICS	RC3422*	3.4	--	--	--	--	--	--	--	--	--	--	--	--
CROPLAN GENETICS	RC3732*	3.7	--	--	--	--	--	--	--	--	--	--	--	--
CROPLAN GENETICS	RC4432*	4.4	--	--	--	--	--	--	--	--	--	--	--	--
CROPLAN GENETICS	RC5332*	5.3	--	--	--	--	--	--	--	--	--	--	--	--
CROPLAN GENETICS	RT3512*	3.5	--	--	--	--	--	--	--	--	--	--	--	--
CSF	4602C	4.6	P	Bl	--	R	--	T	--	--	--	--	--	--
DEKALB	DKB36-51*	3.6	P	lb	S	R	S	S	--	Rps1c	4.0	RR	--	2
DEKALB	DKB37-51*	3.7	P	lb	S	MR	S	S	--	RPS1c	5.0	RR	--	--
DEKALB	DKB38-51*	3.8	P	Bl/Br	S	S	S	S	--	Rps1a	4.0	RR	--	1
DEKALB	DKB38-52*	3.8	W	Bf	MR	MR	S	S	--	Rps1c	4.0	RR	--	1
DEKALB	DKB40-51*	4.0	P	lb	S	R	S	MR	--	S	5.0	RR	--	2
DEKALB	DKB44-51*	4.4	P	Bl	S	MR	S	S	--	Rps1a	6.0	RR	STS	1
DEKALB	DKB46-51*	4.6	W	Bl	S	R	S	R	--	S	4.0	RR	--	--
DELTAPINE	DP4331RR*	4.3	P	Bf	--	MR	--	MR	--	--	1.5	RR	--	--
DELTAPINE	DPX3761R*	3.8	P	G	--	MR	--	MR	--	--	2.5	RR	--	1
DYNA-GRO	DG 3362NRR*	3.6	P	Bl	--	R	--	MR	--	Rps1k	3.0	RR	--	1
DYNA-GRO	DG 3390NRR*	3.9	W	Bf	--	R	--	MR	--	Rps1c	2.0	RR	--	2
DYNA-GRO	DG 3443NRR*	4.4	P	Bl	--	MR	--	MR	--	Rps1a	2.5	RR	--	2
DYNA-GRO	DG-33A37*	--	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	DG-3481NRR*	--	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	DG-34P38*	--	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	DG-37R39*	--	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	SXO3135*	--	--	--	--	--	--	--	--	--	--	--	--	--
DYNA-GRO	SXO3140*	--	--	--	--	--	--	--	--	--	--	--	--	--
GARST	3112RR/N*	3.1	W	Bl	--	R	--	--	--	--	7.0	RR	--	2
GARST	3135RR*	3.1	W	Br	--	--	--	--	--	Rps1K	7.0	RR	--	2
GARST	3212RR/N*	3.2	P	Bl	S	R	S	S	--	Rps1k	--	RR	--	2
GARST	3535RR/STS*	3.5	P	lb	S	S	S	S	--	Rps1c	--	RR	STS	--
GARST	3712RR/N*	3.7	P	Bl	--	S	--	--	--	Rps1k	7.0	RR	--	1
GARST	3812RR/N*	3.8	P	lb	--	S	--	--	--	--	8.0	RR	--	1
GARST	3824RR/N*	3.8	W	Bf	--	R	--	--	--	Rps1c	--	RR	--	--
GARST	3906N	3.9	W	Bl	--	R	--	--	--	Rps1c	8.0	--	--	--
GARST	4312RR/STS/N*	4.3	P	Bl	--	MR	--	--	--	--	6.0	RR	STS	1
GARST	4512RR/N*	4.5	P	Bl	--	S	--	--	--	Rps1a	7.0	RR	--	2
GARST	5412RR/STS/N*	5.4	W	Bf	--	R	--	MR	--	--	--	RR	STS	--
GARST	5512RR/N*	5.5	W	Br	--	R	--	MR	--	--	8.0	RR	--	1
GARST	D445N	4.4	P	lb	--	R	--	MR	PI88788	--	8.0	--	--	2
GARST	D484RR/N*	4.8	W	Bl	--	R	--	MR	--	--	7.0	RR	--	1

Table 21. Description of Entries in 2003 Soybean Performance Tests - continued.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		Shattering		
					R1	R3	R4	R14	Source	RR	Tolerance	RR	STS	score
HELENA	3574*	3.5	W	Bl	MR	R	--	--	--	Rps1k	--	RR	--	--
HELENA	3814*	3.8	P	Bl	--	--	--	--	--	Rps1k	--	RR	--	--
KRUGER	344RR/SCN*	3.4	P	lb	--	R	--	MR	PI88788	Rps1c	--	RR	--	1
KRUGER	349RR*	3.4	P	lb	--	--	--	--	--	Rps1c	--	RR	--	--
KRUGER	353RR*	3.5	P	Bl	--	--	--	--	--	Rps1k	--	RR	--	1
KRUGER	355RR/SCN*	3.5	W	Bl	--	--	--	--	PI88788	Rps1k	--	RR	--	--
KRUGER	379RR*	3.7	P	lb	--	MR	--	MR	PI88788	Rps1c	--	RR	--	1
KRUGER	380RR/SCN*	3.8	W	Bf	--	R	--	MR	PI88788	Rps1c	--	RR	--	2
KRUGER	383RR*	3.8	W	Bl	--	--	--	--	--	Rps1k	--	RR	--	--
KRUGER	390RR/SCN*	3.9	W	Bl	--	--	--	--	PI88788	--	--	RR	--	--
KRUGER	393RR/SCN*	3.9	P	Bl	--	--	--	--	PI88788	Rps1k	--	RR	--	--
KRUGER	395RR/SCN*	3.9	W	Bl	--	--	--	--	PI88788	--	--	RR	--	--
KRUGER	397RR/SCN*	3.9	P	Bl	--	--	--	--	PI88788	Rps1a	--	RR	--	--
KRUGER	399+RR/SCN*	4.0	W	Br	--	--	--	--	PI88788	Rps1a	--	RR	--	--
KRUGER	404RR*	4.0	P	Bl	--	--	--	--	PI88788	Rps1k	--	RR	--	--
KRUGER	434RR*	4.3	W	Bl	--	--	--	--	--	--	--	RR	--	--
KRUGER	440RR*	4.4	P	Bl	--	--	--	--	--	--	--	RR	--	--
KRUGER	445RR*	4.4	P	Bl	--	--	--	--	--	--	--	RR	--	--
KSOY	KS4202	4.2	P	Bl	S	S	S	S	--	S	--	--	--	1
KSOY	KS4602N	4.7	P	Bl	R	R	S	S	PI209332	S	--	--	--	1
KSOY	KS4997	4.9	W	Bl	S	S	--	S	--	S	--	--	--	1
KSOY	KS5502N	5.2	P	lb	R	R	R	R	PI437654	S	--	--	--	1
KSOY	STRESSLAND	4.2	P	Bl	S	S	S	S	--	S	--	--	--	2
LEWIS	3875RR*	3.8	--	--	--	--	--	--	--	--	--	--	--	--
LEWIS	3915RR*	3.9	--	--	--	--	--	--	--	--	--	--	--	--
LEWIS	3995RR*	3.9	--	--	--	--	--	--	--	--	--	--	--	--
LEWIS	4366RR*	4.6	--	--	--	--	--	--	--	--	--	--	--	--
MFA MORSOY	RT 3881N*	3.8	P	lb	--	MR	--	--	PI88788	--	3.0	RR	--	1
MFA MORSOY	RT 3883N*	3.8	P	Bl	--	MR	--	MR	PI88788	Rps1k	3.0	RR	--	--
MFA MORSOY	RT 4480N*	4.4	P	Bl	--	MR	--	MR	PI88788	Rps1a	3.0	RR	--	1
MFA MORSOY	RT 4731N*	4.7	W	Bl	--	R	--	MR	PI88788	--	4.0	RR	--	1
MFA MORSOY	RT 4802N*	4.8	P	Bl	--	R	--	MR	PI88788	--	4.0	RR	--	--
MFA MORSOY	RT 4993N*	4.9	P	Bl	--	R	--	MR	PI88788	--	3.0	RR	--	--
MFA MORSOY	RT 5252N*	5.2	W	Bl	--	MR	--	MR	PI88788	--	4.0	RR	--	1
MFA MORSOY	RT 5442N*	5.4	P	Bf	--	R	--	R	PI88788	--	3.0	RR	--	--
MIDLAND	9A333NRR*	3.3	P	lb	S	R	S	MR	--	Rps1c	1.5	RR	--	1
MIDLAND	9A351NRR*	3.5	P	lb	S	R	S	R	--	Rps1c	1.9	RR	--	1
MIDLAND	9A373NRR*	3.7	--	--	--	R	--	--	--	Rps1c	1.7	RR	--	--
MIDLAND	9A382NRR*	3.8	P	lb	S	R	S	R	PI88788	--	1.7	RR	--	2
MIDLAND	9A411NRR*	4.1	W	Bl	S	MR	S	S	--	--	2.9	RR	--	1
MIDLAND	9A414NRR*	4.1	W	--	S	R	S	R	--	Rps1a	1.5	RR	--	--
MIDLAND	9A420N	4.2	--	--	S	R	S	R	--	--	1.9	--	--	1
MIDLAND	9A432NRS*	4.3	P	lb	S	R	S	MR	--	--	2.0	RR	STS	1
MIDLAND	9A442NRR*	4.4	P	Bl	S	MR	S	MR	--	Rps1a	2.0	RR	--	1
MIDLAND	9A462NRS*	4.6	P	Bl	S	R	S	MR	--	--	1.9	RR	STS	1
MIDLAND	9A483NRR*	4.8	P	Bl	S	R	S	MR	--	--	2.0	RR	--	1
MIDLAND	9A523NRR*	5.2	M	Bl	--	R	--	R	--	--	1.8	RR	--	1
MIDLAND	9A564NRS*	5.6	--	--	--	--	--	--	--	--	--	RR	STS	--
MIDLAND	9B314NRR*	3.1	P	lb	--	R	--	MR	PI88788	Rps1c	2.0	RR	--	--
MIDLAND	9B333RS*	3.3	P	lb	--	--	--	--	--	Rps1c	1.8	RR	--	1
MIDLAND	9B354RS*	3.5	P	lb	--	--	--	--	--	Rps1c	1.8	RR	--	--
MIDLAND	9B374NRR*	3.7	P	lb	--	MR	--	MR	PI88788	Rps1c	2.2	RR	--	--
MIDLAND	9B404NRR*	4.0	P	Bl	--	R	--	MR	PI88788	Rps1K	--	RR	--	--
MIDLAND	9E362NRR*	3.6	P	Bl	S	MR	S	MR	--	Rps1k	--	RR	--	2
MIDLAND	9G380RS*	3.8	P	Bl	S	S	S	S	--	Rps1k	1.8	RR	STS	1
MIDWEST SEED	GR3531*	3.5	P	Bl	--	R	--	R	PI88788	Rps1c	2.0	RR	--	--
MIDWEST SEED	GR3732*	3.7	P	lb	--	R	--	R	PI88788	1c	2.5	RR	--	1
MIDWEST SEED	GR3931*	3.9	W	Bf	--	R	--	R	PI88788	1c	2.0	RR	--	2
MIDWEST SEED	GR3932*	3.9	P	Bl	--	--	--	--	--	Rps1k	2.0	RR	--	--
MIDWEST SEED	GR4152*	4.1	P	lb	--	R	--	R	PI88788	--	2.4	RR	--	1
M-PRIDE	MPV3903NRR*	3.9	W	Bf	--	R	--	R	--	Rps1c	--	RR	--	--
M-PRIDE	MPV457NRR*	4.5	W	Bl	--	R	--	R	N/A	Rps1k	--	RR	--	1
M-PRIDE	MPV4904NRR*	4.9	W	Bl	--	R	--	R	--	--	--	RR	--	--
M-PRIDE	MPV5302NRR*	5.3	W	Bl	--	R	--	R	--	--	1.8	RR	--	1
M-PRIDE	MPV5502NRR*	5.5	W	Bl	--	R	--	R	--	--	1.8	RR	--	1
M-PRIDE	MPV5504NRR*	5.5	W	Bl	--	R	--	R	--	--	1.8	RR	--	1
NC+	3A11RR*	3.1	P	lb	--	--	--	--	PI88788	Rps1K	3.0	RR	--	3

Table 21. Description of Entries in 2003 Soybean Performance Tests - continued.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		RR	STS	Shattering score
					R1	R3	R4	R14	Source	Tolerance				
NC+	3A53RR*	3.5	--	--	--	R	--	--	--	--	3.0	RR	--	--
NC+	3A84RR*	3.8	--	--	--	--	--	--	PI88788	--	3.0	RR	--	--
NC+	3A92RR*	3.9	P	Bf	--	R	--	--	PI88788	Rps1c	3.0	RR	--	1
NC+	4A29RR*	4.2	W	Bl	--	--	--	--	--	Rps1c	2.0	RR	--	2
NC+	4N79RR*	4.7	W	Bl	--	R	--	--	PI88788	--	5.0	RR	--	1
NC+	5A45RR*	5.4	P	lb	--	R	--	--	PI88788	--	3.0	RR	--	1
NK	S29-C9*	2.9	W	Br	S	S	S	S	--	--	4.0	RR	--	2
NK	S32-G5*	3.2	P	lb	S	S	S	S	--	Rps1c	3.0	RR	--	1
NK	S32-M2*	3.2	W	Bl	S	S	S	S	--	Rps1c	4.0	RR	--	1
NK	S35-A6*	3.5	P	Bf	S	S	S	S	--	Rps1c	4.0	RR	--	1
NK	S37-N4*	3.7	W	Bl	--	R	--	MR	--	Rps1c	3.0	RR	--	1
NK	S39-K6*	3.9	P	Bl	--	R	--	MR	--	--	3.0	RR	--	1
NK	S40-R9*	4.0	P	Bl	--	R	--	MR	--	--	2.0	RR	--	2
NK	S42-P7*	4.2	W	Bl	--	R	--	MR	--	--	3.0	RR	--	2
NK	S46-W8*	4.4	P	Bl	--	R	--	MR	--	Rps1c	4.0	RR	--	2
NK	S52-U3*	5.2	W	Bf	--	R	--	R	--	--	3.0	RR	--	1
NK	X257RS*	5.7	P	Bf	--	R	--	R	--	--	4.0	RR	STS	--
NU PRIDE	8381RR*	3.8	P	lb	--	MR	--	MR	PI88788	--	1.7	--	--	--
NU PRIDE	8434NRS*	4.3	P	lb	--	R	--	MR	PI88788	--	1.8	--	--	--
NU PRIDE	8472RR*	4.7	P	Bl	--	R	--	MR	PI88788	--	1.8	--	--	--
PIONEER	93B36*	3.3	P	Bl	S	S	--	S	--	Rps1k	5.0	RR	--	2
PIONEER	93B68*	3.6	W	Bl	S	S	--	S	--	Rps1k	4.0	RR	--	2
PIONEER	93B72*	3.7	P	Br	S	S	--	S	--	Rps1k	4.0	RR	--	1
PIONEER	93B85*	3.8	P	Bl	S	MR	--	R	PI88788	--	3.0	RR	--	2
PIONEER	93B86	3.8	W	Bl	S	R	--	MR	PI88788	Rps1k	5.0	--	--	1
PIONEER	93M60*	3.6	P	Bl	S	R	--	MR	PI88788	Rps1c	4.0	RR	--	--
PIONEER	93M80*	3.8	P	Bl	S	R	--	MR	PI88788	Rps1c	4.0	RR	--	--
PIONEER	94B13*	4.1	W	Bl	S	R	--	MR	PI88788	--	4.0	RR	--	1
PIONEER	94M70*	4.7	W	Bl	S	R	--	MR	PI88788	Rps1k	5.0	RR	--	--
PIONEER	95B42*	5.4	P	lb	S	R	--	S	PI88788	--	3.0	RR	--	1
PIONEER	95B53*	5.5	W	Bl	S	R	--	R	PI88788	--	3.0	RR	--	1
PRAIRIE BRAND	PB-3732RR*	3.7	P	lb	--	--	--	--	--	Rps1c	4.0	RR	--	1
PRAIRIE BRAND	PB-4023NRR*	4.1	P	Bl	--	R	--	--	PI88788	--	4.0	RR	--	--
RENZE	R2803RR*	2.8	P	lb	S	S	S	S	--	--	3.0	RR	--	--
RENZE	R3684Rcn*	3.6	P	lb	--	R	R	R	PI88788	Rps1c	3.0	RR	--	--
RENZE	R3814RR*	3.8	P	Bl	S	S	S	S	--	Rps1k	3.0	RR	--	--
RENZE	R3994Rcn*	3.9	P	Bl	--	R	R	R	PI88788	Rps1k	2.0	RR	--	--
RENZE	R4233SRcn*	4.2	P	Bl	--	R	R	R	PI88788	--	3.0	RR	STS	2
RENZE	R4392Rcn*	4.3	P	Bl	--	R	R	R	PI88788	--	3.0	RR	--	1
STINE	S2900-4*	3.0	P	Bl/Br	--	R	R	--	PI88788	--	--	RR	--	--
STINE	S3200-4*	3.3	W	Bl	--	R	R	--	PI88788	--	--	RR	--	1
STINE	S3532-4*	3.5	W	Bl	--	R	R	--	PI88788	Rps1k	--	RR	--	--
STINE	S3832-4*	3.8	P	Bl	--	R	R	--	PI88788	Rps1k	--	RR	--	--
STINE	S3932-4*	4.0	P	Bl	--	R	R	--	PI88788	Rps1k	--	RR	--	--
STINE	S4032-4*	4.0	W	Br	--	R	R	--	PI88788	Rps3a	--	RR	--	--
STINE	S4102-4*	4.1	P	Bl	--	R	R	--	PI88788	--	--	RR	STS	1
STINE	S4542-4*	4.5	P	Bl	--	R	R	--	PI88788	--	--	RR	--	--
STINE	S5142-4*	5.0	P	Bl	--	R	R	--	PI88788	--	--	RR	--	--
TAYLOR	357RR*	3.6	--	--	S	MR	S	MR	--	Rps1k	2.0	RR	--	1
TAYLOR	374RR*	3.7	--	--	S	R	S	MR	--	Rps1c	2.0	RR	--	1
TAYLOR	427RR*	4.2	--	--	S	R	S	R	--	Rps1a	2.5	RR	STS	2
TAYLOR	444RR*	4.4	--	--	S	R	S	MR	--	Rps1a	2.5	RR	--	1
TAYLOR	EXP3350RR*	3.3	--	--	S	S	S	S	--	Rps1c	2.0	RR	STS	--
TAYLOR	EXP3900RR*	3.9	--	--	S	R	S	MR	--	Rps1k	2.0	RR	--	--
TAYLOR	EXP39-357RR*	3.9	--	--	S	S	S	S	--	Rps1k	2.0	RR	--	--
TAYLOR	EXP5100RR*	5.1	--	--	S	R	S	MR	--	Rps1a	2.0	RR	--	--
TAYLOR	EXPE3970RR*	3.9	--	--	S	R	S	R	--	Rps1a	2.0	RR	STS	--
THOMPSON	T-3511RN*	3.5	--	--	--	--	--	--	--	--	--	--	--	--
THOMPSON	T-3737RR/N*	3.7	P	lb	--	MR	--	MR	PI88788	Rps1c	--	RR	--	1
THOMPSON	T-3838RR*	3.7	P	Bl	--	MR	--	MR	PI88788	Rps1k	--	RR	--	1
THOMPSON	T-3911RN*	3.9	--	--	--	--	--	--	--	--	--	--	--	--
THOMPSON	T-3999RR/N*	3.9	W	Bf	--	R	--	MR	PI88788	Rps1c	--	RR	--	1
THOMPSON	T-4322RN*	4.3	--	--	--	--	--	--	--	--	--	--	--	--
THOMPSON	T-4545RN*	4.5	--	--	--	--	--	--	--	--	--	--	--	--
THOMPSON	T-4848RR/N*	4.7	W	Bl	--	R	--	MR	PI88788	N	--	RR	--	1
TRIUMPH	TR3672RR/STS*	3.6	--	--	--	--	--	--	--	--	--	RR	STS	2
TRIUMPH	TR3752RR*	3.7	P	Br	--	--	--	--	--	Rps1k	2.0	RR	--	1

Table 21. Description of Entries in 2003 Soybean Performance Tests - continued.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance					Phytophthora		Shattering		
					R1	R3	R4	R14	Source	RR	Tolerance	RR	STS	score
TRIUMPH	TR3939RR*	3.9	P	Bl	--	R	MR	--	--	--	3.0	RR	--	1
TRIUMPH	TR4462RR*	4.4	P	Bl	--	MR	--	MR	--	Rps1a	3.0	RR	--	1
TRIUMPH	TR5409RR*	5.4	P	Bf	--	MR	MR	R	--	--	3.0	RR	--	1
TRIUMPH	TRX3B48RR*	4.8	--	--	--	--	--	--	--	--	--	RR	--	--
TRIUMPH	TRX3P33RR/STS*	3.3	--	--	--	--	--	--	--	--	--	RR	STS	--
TRIUMPH	TRX3P39RR*	3.9	--	--	--	--	--	--	--	--	--	RR	--	--
WILLCROSS	RR2312*	3.1	--	--	--	--	--	--	--	Rps1k	1.5	RR	--	--
WILLCROSS	RR2323N*	3.2	P	lb	--	R	R	--	PI88788	Rps1c	2.0	RR	--	1
WILLCROSS	RR2354N*	3.5	--	--	--	R	R	--	PI88788	Rps1k	--	RR	--	--
WILLCROSS	RR2362*	3.8	--	--	--	--	--	--	--	Rps1k	2.1	RR	--	--
WILLCROSS	RR2373N*	3.7	P	lb	--	MR	R	--	PI88788	Rps1c	2.5	RR	--	2
WILLCROSS	RR2383N*	3.8	P	Bl	--	R	--	R	--	Rps1k	1.6	RR	--	1
WILLCROSS	RR2388N*	3.8	W	Bl	--	MR	--	R	--	--	1.6	RR	--	1
WILLCROSS	RR2392N*	3.9	W	Bf	--	R	R	MR	PI88788	Rps1a	1.9	RR	--	3
WILLCROSS	RR2393N*	3.9	P	Bl	--	R	R	R	PI88788	Rps1k	--	RR	--	--
WILLCROSS	RR2432N*	4.3	P	Bl	--	R	--	R	--	Rps1a	2.2	RR	--	2
WILLCROSS	RR2473NSTS*	4.7	--	--	--	R	--	R	--	--	2.1	RR	STS	1
WILLCROSS	RR2474N*	4.7	--	--	--	--	--	--	--	--	--	RR	--	--
WILLCROSS	RR2494N*	4.9	--	--	--	--	--	--	--	--	--	RR	--	--
WILLCROSS	RR2542N*	5.4	W	Bf	--	R	--	R	--	--	1.9	RR	--	1
WILLCROSS	RR2549N*	5.4	P	Bf	--	R	--	R	--	Rps1c	1.9	RR	--	1
WILLCROSS	RR2553NSTS*	5.5	--	--	--	--	--	--	--	--	--	RR	STS	--
PUBLIC	HUTCHESON	5.2	W	Bf	S	S	S	S	--	S	--	--	--	1
PUBLIC	IA3010	3.0	P	BL	S	S	S	S	--	R	--	--	--	2
PUBLIC	K1514	4.0	--	--	--	--	--	--	--	--	--	--	--	1
PUBLIC	K1519	4.0	--	--	--	--	--	--	--	--	--	--	--	2
PUBLIC	K1530	5.0	--	--	--	R	--	--	--	--	--	--	--	1
PUBLIC	K1539RR*	4.0	--	--	--	--	--	--	--	--	--	RR	--	2
PUBLIC	K1544RR*	5.0	--	--	--	--	--	--	--	--	--	RR	--	1
PUBLIC	K1547	3.0	--	--	--	--	--	--	--	--	--	--	--	--
PUBLIC	K1548	3.0	--	--	--	--	--	--	--	--	--	--	--	--
PUBLIC	K1550RR*	5.0	--	--	--	--	--	--	--	--	--	RR	--	1
PUBLIC	K1552RR*	4.0	--	--	--	--	--	--	--	--	--	RR	--	2
PUBLIC	K1553RR*	4.0	--	--	--	--	--	--	--	--	--	RR	--	2
PUBLIC	K1560	3.0	--	--	--	--	--	--	--	--	--	--	--	--
PUBLIC	K1563	3.0	--	--	--	--	--	--	--	--	--	--	--	--
PUBLIC	K1566	4.0	--	--	--	R	--	--	--	--	--	--	--	--
PUBLIC	K1567	4.0	--	--	--	--	--	--	--	--	--	--	--	--
PUBLIC	K1572	4.0	--	--	--	--	--	--	--	--	--	--	--	--
PUBLIC	K1574	5.0	--	--	--	--	--	--	--	--	--	--	--	--
PUBLIC	K1575	5.0	--	--	--	--	--	--	--	--	--	--	--	--
PUBLIC	K1582RR*	4.0	--	--	--	--	--	--	--	--	--	RR	--	1
PUBLIC	K1583RR*	3.0	--	--	--	--	--	--	--	--	--	RR	--	--
PUBLIC	K1584RR*	3.0	--	--	--	--	--	--	--	--	--	RR	--	--
PUBLIC	K1592	3.0	--	--	--	R	--	--	--	--	--	--	--	--
PUBLIC	K1594RR*	4.0	--	--	--	--	--	--	--	--	--	RR	--	--
PUBLIC	K1603RR*	5.0	--	--	--	--	--	--	--	--	--	RR	--	--
PUBLIC	K1608RR*	5.0	--	--	--	--	--	--	--	--	--	RR	--	--
PUBLIC	K1609RR*	5.0	--	--	--	--	--	--	--	--	--	RR	--	--
PUBLIC	K97-138-1-77RR*	5.0	--	--	--	--	--	--	--	--	--	RR	--	--
PUBLIC	KS5292	5.2	W	Bf	R	R	--	S	PEKING	S	--	--	--	1
PUBLIC	MANOKIN	5.0	W	Bl	R	R	--	S	PEKING	S	--	--	--	1
PUBLIC	WILLIAMS 82	3.9	W	Bl	S	S	S	S	--	Rps1k	--	--	--	2

**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: Soybean Cyst Nematode 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 RR=Roundup resistant: Y=yes, N=no; STS=sulfonylurea herbicide tolerance: Y=yes, N=no

Shattering score: 1=no shattering, 2=1 to 10% shattered, 3=11 to 25% shattered two weeks after maturity.

All information except for shattering scores supplied by entrant.

For those interested in accessing crop performance testing information electronically, visit our World Wide Web site. Most of the information contained in this publication is available for viewing or downloading.

The URL is <http://www.ksu.edu/kscpt>

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