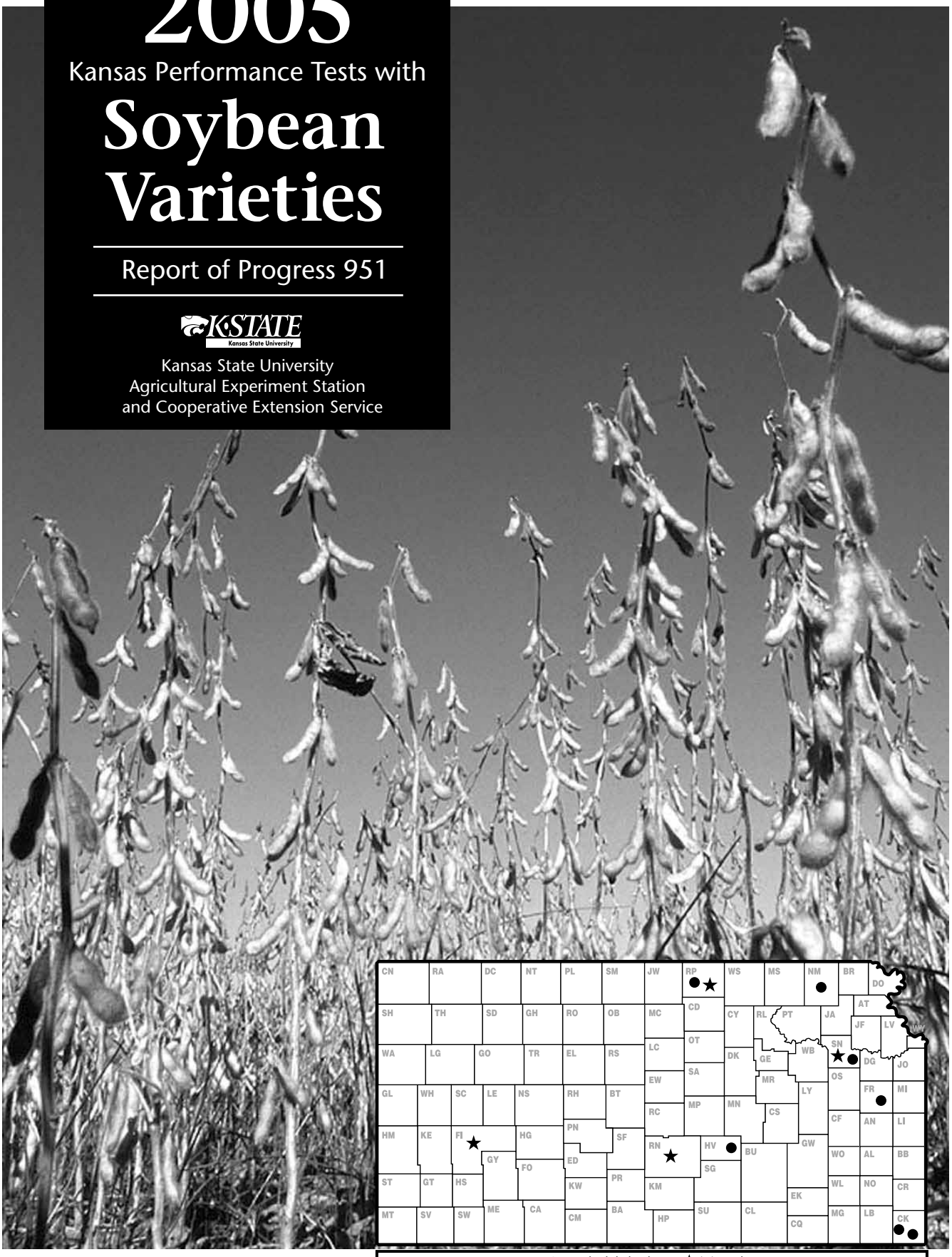
2005

Kansas Performance Tests with

Soybean Varieties

Report of Progress 951

Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service



CONTENTS

Contribution no. 06-128-S from the Kansas Agricultural Experiment Station.

2005 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 in either 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 and were replicated three or four times each. Seeding rate ranged from seven to 12 seeds per foot of row. The center two rows of each plot were harvested for yield, except in the test at Garden City, in which four rows were harvested for yield. Harvested row lengths ranged from 14 to 30 feet, depending on location. Cultural practices and rainfall for each test location are presented with each table. Results from this year's tests are presented in Tables 2 through 13. Relative yields of each entry from all locations are shown in Table 14. Results of the tests also can be found online at: *http://www.ksu.edu/kscpt*.

DATA INTERPRETATION

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

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

Lodging is rated at maturity by the following scores:

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

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

VARIETY OR BRAND SELECTION

Performance of soybean varieties or brands varies from year to year and from location to location, depending on such factors as weather, management practices, and variety adaptation. When selecting varieties or brands, one should carefully analyze their performance for two or more years across locations. Performance averaged over several environments will provide a better estimate of genetic potential and stability than performance based on a few environments will.

Small differences in yield between any two varieties or brands usually are not important. Within maturity groups at each location, an LSD (least significant difference) was calculated. The significance level used to calculate the LSD was 10%. Unless two varieties differ in yield by more than the LSD, genetic yield potential of one entry cannot be considered superior to that of another.

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

Table 1. Entrants in the 2005 Kansas Soybean Performance Tests

Kansas AES
Manhattan KS
785-532-7242
oznet.ksu.edu/agronomy

Maryland AES
College Park MD
agnr.umd.edu

Virginia AES
Blacksburg VA
ext.vt.edu

Advanced Genetics
DeLange Seed
Girard KS
620-724-6223
delangeseed.com

AgSource
AgSource Seeds, Inc.
Nevada IA
515-382-8880
agsourceseeds.com

Asgrow/DeKalb
Monsanto Seed
St. Louis MO
800-335-2676
monsanto.com

CroPlan Genetics
CroPlan Genetics
St. Paul MN
800-851-8810
croplangenetics.com

Deltapine
Delta & Pine Land Co.
Lubbock TX
806-740-1600
deltaandpine.com

Drussel Seed
Drussel Seed, Inc.
Garden City KS
620-275-2359

Dyna-Gro
UAP-Pueblo
Kearney NE
308-237-5194
uap.com

Garst
Garst Seed Co.
Slater IA
800-831-6630
garstseed.com

Hamon
Hamon Seed Farms, Inc.
Valley Falls KS
785-945-3584

Kruger
Kruger Seed Co.
Dike IA
800-772-2721
krugerseed.com

KSOY
Kansas AES
Manhattan KS
785-532-7242
oznet.ksu.edu/agronomy

Lewis
Lewis Hybrids, Inc.
Ursa IL
800-252-7851
lewishybrids.com

LG Seeds
LG Seeds
Elmwood IL
309-742-2211
lgseeds.com

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

Midland
Midland Genetics
Ottawa KS
800-819-SEED
midlandgenetics.com

Midland-Phillips
Phillips Seed Farms
Hope KS
800-643-4340
phillipsseed.com

Midwest Seed
Midwest Seed Genetics
Carroll IA
800-369-8218
midwestseed.com

M-Pride
Midwest Premium Genetics
Concordia MO
800-622-1150

NK
NK Brand Seeds
Lincoln NE
402-420-6664
nk-us.com

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

Phillips
Phillips Seed Farms
Hope KS
800-643-4340
phillipsseed.com

Pioneer Brand
Pioneer Hi-Bred, Intl., Inc.
Amarillo TX
800-258-5604
pioneer.com

Prairie Brand
Prairie Brand Seed Co.
Story City IA
800-544-8751
prairiebrand.com

Renze
Renze Hybrids
Carroll IA
712-669-3301
renzehybrids.com

Stine
Stine Seed Co.
Adel IA
800-362-2510
stineseed.com

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

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

Willcross
Willcross Seed
King City MO
800-411-5957
willcross.com

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

Wymore silt loam, pH 6, 2.5% OM; P test: M, K test: M

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

Good growing conditions throughout most of the season. Periods of drought stress occurred primarily in late July and early August, but mid-August rains resulted in an excellent seed-fill period.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.3	5.4	7.3	3.2	6.1	1.8	26.1

Planted 5/19/2005 at 8 seeds/ft; harvested 10/8/2005; 13 ft. by 2-row plot; pesticides: 2 applications of Roundup Ultra®

Table 2. Centralia, Nemaha Co. Roundup®-resistant Soybean Performance Test, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
AGSOURCE	9383*	**64.2**	--	--	--	--	110	--	--	9/26	1.0	28
AGSOURCE	9436*	58.4	--	--	--	--	100	--	--	10/3	1.5	36
ASGROW	AG3305*	55.3	**43.4**	--	49.4	--	95	109	--	9/23	1.0	25
ASGROW	AG3602*	56.1	**42.6**	--	49.3	--	96	106	--	9/26	1.0	29
ASGROW	AG3802*	56.5	40.4	--	48.4	--	97	101	--	9/25	1.0	31
ASGROW	AG3905*	55.8	40.5	31.8	48.2	42.7	96	101	108	9/28	1.0	31
ASGROW	AG4403*	56.7	38.3	33.4	47.5	42.8	97	96	114	10/3	1.0	34
ASGROW	AG4404*	55.8	--	--	--	--	96	--	--	10/5	1.3	31
CROPLAN GENETICS	RC3735*	49.2	--	--	--	--	85	--	--	9/26	1.3	32
CROPLAN GENETICS	RC4095*	57.9	--	--	--	--	99	--	--	9/27	1.0	31
CROPLAN GENETICS	RT3555*	55.4	--	--	--	--	95	--	--	9/24	1.0	26
DEKALB	DKB34-51*	60.9	--	--	--	--	105	--	--	9/25	1.0	31
DEKALB	DKB36-52*	58.3	38.9	--	48.6	--	100	97	--	9/25	1.0	30
DYNA-GRO	DG 32C38*	61.3	**43.6**	--	52.5	--	105	109	--	9/27	1.0	28
DYNA-GRO	DG 33A37*	56.0	41.0	**35.3**	48.5	44.1	96	102	120	9/24	1.0	28
DYNA-GRO	DG 37R39*	56.5	--	--	--	--	97	--	--	9/26	1.0	29
GARST	3512RR/N*	57.1	--	--	--	--	98	--	--	9/24	1.0	28
GARST	3812RR/N*	59.3	--	28.3	--	--	102	--	96	9/27	1.3	32
KANSAS AES	K1623RR*	54.9	--	--	--	--	94	--	--	9/30	1.0	28
KANSAS AES	K1630RR*	55.4	--	--	--	--	95	--	--	10/4	1.0	30
KANSAS AES	K1631RR*	55.6	--	--	--	--	96	--	--	10/3	1.0	33
KANSAS AES	K4202RR*	52.0	--	--	--	--	89	--	--	9/30	1.0	32
KANSAS AES	KS4404RR*	57.4	36.9	31.9	47.2	42.1	99	92	109	10/5	1.0	31
KANSAS AES	KS4704RR*	55.2	34.2	**34.5**	44.7	41.3	95	86	117	10/7	1.0	34
KRUGER	K-333RR/SCN*	57.5	--	--	--	--	99	--	--	9/24	1.0	28
KRUGER	K-341RR/SCN*	56.4	--	--	--	--	97	--	--	9/24	1.0	26
KRUGER	K-349RR*	56.1	38.9	29.1	47.5	41.3	96	97	99	9/23	1.0	27
KRUGER	K-355RR/SCN*	57.0	39.5	29.7	48.2	42.0	98	99	101	9/24	1.0	28
KRUGER	K-373RR/SCN*	57.2	--	--	--	--	98	--	--	9/25	1.3	29
KRUGER	K-389RR/SCN*	**66.6**	**44.3**	--	55.4	--	114	111	--	9/27	1.0	28
KRUGER	K-399RR/SCN*	59.2	--	--	--	--	102	--	--	9/26	1.0	30
KRUGER	K-404RR*	60.0	40.4	30.7	50.2	43.7	103	101	105	10/2	1.0	26
KRUGER	K-433RR/SCN*	61.1	--	--	--	--	105	--	--	10/4	1.0	35
LEWIS	3716*	58.2	--	--	--	--	100	--	--	9/26	1.0	30
LEWIS	3822*	59.2	--	--	--	--	102	--	--	9/26	1.0	26
LEWIS	3853*	63.1	**44.5**	--	53.8	--	108	111	--	9/27	1.0	27
MIDLAND	MG3816NRS*	55.1	--	--	--	--	95	--	--	9/26	1.0	29
MIDLAND	MG3826NRR*	54.3	--	--	--	--	93	--	--	9/27	1.0	31
MIDLAND	MG9A373NRR*	59.0	**42.4**	27.4	50.7	42.9	101	106	93	9/24	1.0	28
MIDLAND	MG9A385NRS*	**65.0**	**43.4**	--	54.2	--	112	108	--	9/27	1.0	27
MIDLAND	MG9A402NRR*	55.3	36.6	--	45.9	--	95	91	--	10/2	1.3	33
MIDLAND	MG9B395NRR*	57.6	34.6	--	46.1	--	99	87	--	9/30	1.5	32
NK	S35-F9*	59.1	40.9	--	50.0	--	101	102	--	9/26	1.0	26
NK	S37-N4*	55.1	36.6	30.6	45.9	40.8	95	92	104	9/29	1.3	33
NK	S39-K6*	57.9	37.6	31.0	47.8	42.2	99	94	105	9/28	1.0	31
NK	S40-R9*	55.9	38.5	30.1	47.2	41.5	96	96	102	10/1	1.3	34
OHLDE	O-3334NRR*	61.6	40.8	--	51.2	--	106	102	--	9/25	1.0	30
OHLDE	O-3494	57.2	--	--	--	--	98	--	--	9/23	1.0	25
OHLDE	O-3727NRS*	**64.0**	**43.3**	--	53.6	--	110	108	--	9/28	1.0	27
OHLDE	O-3882NRR*	58.2	39.8	--	49.0	--	100	99	--	9/28	1.0	29
PIONEER BRAND	93B85*	55.9	37.5	**37.7**	46.7	43.7	96	94	128	9/27	1.0	29
PIONEER BRAND	93M51*	54.9	--	--	--	--	94	--	--	9/24	1.0	29
PIONEER BRAND	93M92*	60.2	**42.9**	--	51.5	--	103	107	--	9/29	1.0	27
PRAIRIE BRAND	PB-3894NRR*	**65.8**	**44.9**	--	55.4	--	113	112	--	9/27	1.0	27

(continued)

Table 2. Centralia, Nemaha Co. Roundup®-resistant Soybean Performance Test, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
PRAIRIE BRAND	PB-3905RR*	59.4	--	--	--	--	102	--	--	9/26	1.0	27
RENZE	R3686RRcn*	56.8	--	--	--	--	98	--	--	9/24	1.0	26
RENZE	R3726RR*	60.3	--	--	--	--	103	--	--	9/27	1.0	28
RENZE	R3814RR*	58.5	**43.2**	32.2	50.9	44.6	100	108	109	9/30	1.0	25
RENZE	R3835SRcn*	**64.9**	**43.5**	--	54.2	--	111	109	--	9/26	1.0	27
RENZE	R3996RRcn*	57.8	--	--	--	--	99	--	--	9/30	1.5	32
RENZE	R4486RRcn*	59.7	--	--	--	--	102	--	--	10/3	1.3	36
STINE	3600-4*	59.8	--	--	--	--	103	--	--	9/26	1.0	26
STINE	3942-4*	55.3	--	--	--	--	95	--	--	9/27	1.0	28
TAYLOR	387RR*	60.0	41.3	**34.8**	50.7	45.4	103	103	118	9/30	1.0	26
TAYLOR	398RRS*	63.1	**43.4**	--	53.3	--	108	109	--	9/28	1.0	27
TAYLOR	EXP3960-5RR*	57.8	--	--	--	--	99	--	--	9/26	1.0	25
WILLCROSS	RR2335N*	60.3	**43.4**	--	51.8	--	103	108	--	9/24	1.0	31
WILLCROSS	RR2355N*	58.1	39.0	--	48.5	--	100	97	--	9/24	1.0	29
WILLCROSS	RR2385NSTS*	59.9	**42.7**	--	51.3	--	103	107	--	9/25	1.0	30
WILLCROSS	RR2386*	61.7	--	--	--	--	106	--	--	9/27	1.0	27
WILLCROSS	RR2386NX2*	57.2	--	--	--	--	98	--	--	9/26	1.0	32
AVERAGES		58.3	40.0	29.4								
CV (%)		4.1	5.6	10.0								
LSD (0.10)		2.8	2.6	4.0								

Values in bold are in the upper LSD group.

J.D. Hanna, Erma Harden Farm, Topeka, Shawnee County; Larry Maddux, agronomist, 785-354-7236

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

11-38-0 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.0	2.7	9.1	4.3	6.8	9.1	34.0

October 2 floods inundated the test, but the water retreated quickly. The flooding seemed to have little affect on yields and grain quality. The flooding did severely lodge the plants, so lodging, plant height, and maturity are not reported.

Planted 5/23/2005 at 7 seeds/ft; harvested 10/18/2005; 27.5 ft. by 2-row plot; pesticides: 2 applications of 22 oz. Roundup Weather Max® + 17 lb./100 gal. AMS

Table 3. Topeka, Shawnee Co. Roundup®-resistant Soybean Performance Test, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ASGROW	AG3602*	49.4	--	--	--	--	97	--	--	--	--	--
ASGROW	AG3802*	48.3	--	--	--	--	94	--	--	--	--	--
ASGROW	AG3905*	47.6	--	--	--	--	93	--	--	--	--	--
ASGROW	AG4403*	50.0	--	--	--	--	98	--	--	--	--	--
ASGROW	AG4404*	52.1	--	--	--	--	102	--	--	--	--	--
CROPLAN GENETICS	RC3735*	40.3	--	--	--	--	79	--	--	--	--	--
CROPLAN GENETICS	RC4095*	49.3	--	--	--	--	96	--	--	--	--	--
CROPLAN GENETICS	RT3555*	47.0	--	--	--	--	92	--	--	--	--	--
DEKALB	DKB36-52*	47.9	--	--	--	--	94	--	--	--	--	--
DEKALB	DKB42-51*	53.3	--	--	--	--	104	--	--	--	--	--
DEKALB	DKB44-51*	54.8	--	--	--	--	107	--	--	--	--	--
DYNA-GRO	DG 32C38*	54.7	--	--	--	--	107	--	--	--	--	--
DYNA-GRO	DG 33A37*	55.2	--	--	--	--	108	--	--	--	--	--
DYNA-GRO	DG 37R39*	52.6	--	--	--	--	103	--	--	--	--	--
GARST	3512RR/N*	47.5	--	--	--	--	93	--	--	--	--	--
GARST	3712RR/N*	49.3	--	--	--	--	96	--	--	--	--	--
GARST	3812RR/N*	48.4	--	--	--	--	95	--	--	--	--	--
HAMON	AG4604N*	48.5	--	--	--	--	95	--	--	--	--	--
KANSAS AES	KS4404RR*	50.1	--	--	--	--	98	--	--	--	--	--
KANSAS AES	KS4704RR*	57.6	--	--	--	--	113	--	--	--	--	--
KRUGER	K-355RR/SCN*	54.4	--	--	--	--	106	--	--	--	--	--
KRUGER	K-373RR/SCN*	40.9	--	--	--	--	80	--	--	--	--	--
KRUGER	K-389RR/SCN*	57.4	--	--	--	--	112	--	--	--	--	--
KRUGER	K-399RR/SCN*	52.3	--	--	--	--	102	--	--	--	--	--
KRUGER	K-404RR*	53.8	--	--	--	--	105	--	--	--	--	--

(continued)

Table 3. Topeka, Shawnee Co. Roundup®-resistant Soybean Performance Test, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
KRUGER	K-433RR/SCN*	54.4	--	--	--	--	106	--	--	--	--	--
KRUGER	K-473RR/SCN*	53.1	--	--	--	--	104	--	--	--	--	--
MIDLAND	MG3816NRS*	51.6	--	--	--	--	101	--	--	--	--	--
MIDLAND	MG3826NRR*	45.0	--	--	--	--	88	--	--	--	--	--
MIDLAND	MG4106NRR*	48.3	--	--	--	--	95	--	--	--	--	--
MIDLAND	MG4406NRS*	54.2	--	--	--	--	106	--	--	--	--	--
MIDLAND	MG9A373NRR*	50.5	--	--	--	--	99	--	--	--	--	--
MIDLAND	MG9A385NRS*	51.3	--	--	--	--	100	--	--	--	--	--
MIDLAND	MG9A402NRR*	51.7	--	--	--	--	101	--	--	--	--	--
MIDLAND	MG9B395NRR*	48.5	--	--	--	--	95	--	--	--	--	--
MIDWEST SEED	GR3633*	52.7	--	--	--	--	103	--	--	--	--	--
MIDWEST SEED	GR4154*	53.5	--	--	--	--	105	--	--	--	--	--
NK	S39-K6*	50.2	--	--	--	--	98	--	--	--	--	--
NK	S40-R9*	47.5	--	--	--	--	93	--	--	--	--	--
NK	S42-P7*	48.8	--	--	--	--	95	--	--	--	--	--
OHLDE	O-3712NRR*	53.7	--	--	--	--	105	--	--	--	--	--
OHLDE	O-4292*	52.8	--	--	--	--	103	--	--	--	--	--
OHLDE	O-4595*	52.4	--	--	--	--	102	--	--	--	--	--
PHILLIPS	374NRR*	48.4	--	--	--	--	95	--	--	--	--	--
PHILLIPS	376NRR*	52.2	--	--	--	--	102	--	--	--	--	--
PHILLIPS	385NRS*	56.5	--	--	--	--	110	--	--	--	--	--
PIONEER BRAND	93M92*	50.0	--	--	--	--	98	--	--	--	--	--
PIONEER BRAND	94M30*	56.9	--	--	--	--	111	--	--	--	--	--
PIONEER BRAND	94M50*	51.0	--	--	--	--	100	--	--	--	--	--
RENZE	R3835SRcn*	50.2	--	--	--	--	98	--	--	--	--	--
RENZE	R3996RRcn*	47.7	--	--	--	--	93	--	--	--	--	--
RENZE	R4486RRcn*	**58.4**	--	--	--	--	114	--	--	--	--	--
RENZE	R4695RRcn*	52.4	--	--	--	--	102	--	--	--	--	--
RENZE	R4836SRcn*	**61.8**	--	--	--	--	121	--	--	--	--	--
TAYLOR	398RRS*	52.2	--	--	--	--	102	--	--	--	--	--
WILLCROSS	RR2383N*	51.8	--	--	--	--	101	--	--	--	--	--
WILLCROSS	RR2432N*	53.8	--	--	--	--	105	--	--	--	--	--
WILLCROSS	RR2446N*	55.7	--	--	--	--	109	--	--	--	--	--
WILLCROSS	RR2484N*	33.9	--	--	--	--	66	--	--	--	--	--
WILLCROSS	RR2486N*	51.7	--	--	--	--	101	--	--	--	--	--
AVERAGES		51.1	--	--								
CV (%)		5.8	--	--								
LSD (0.10)		4.0	--	--								

Values in bold are in the upper LSD group.

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

Eudora silt loam, pH 6.6, 1.8% OM; P test: M, K test: H

11-38-0 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	2.0	2.7	9.1	4.3	6.8	9.1	34.0
Irrigation:					3.6		3.6

Planted 5/18/2005 at 7 seeds/ft; harvested 10/17/2005; 27.5 ft. by 2-row plot; pesticides: 2 applications of 22 oz. Roundup Weather Max® + 17 lb./100 gal. AMS

Table 4. Topeka, Shawnee Co. Irrigated Roundup®-resistant Soybean Performance Test, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3722NRR*	65.4	50.8	--	58.1	--	116	88	--	9/21	1.7	42
ADVANCED GENETICS	AG4040NRR*	53.4	--	--	--	--	94	--	--	9/25	2.7	51
ADVANCED GENETICS	AG4444NRR*	50.7	**64.8**	--	57.7	--	90	112	--	9/30	2.0	51
CROPLAN GENETICS	RC3636*	57.1	--	--	--	--	101	--	--	9/22	3.0	41
CROPLAN GENETICS	RC4095*	44.5	--	--	--	--	79	--	--	9/27	2.7	47
CROPLAN GENETICS	RT3555*	56.5	--	--	--	--	100	--	--	9/21	2.0	46

(continued)

Table 4. Topeka, Shawnee Co. Irrigated Roundup®-resistant Soybean Performance Test, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
GARST	3624RR/N*	**68.4**	**66.1**	--	67.3	--	121	115	--	9/20	2.3	42
GARST	3712RR/N*	56.1	57.4	51.6	56.8	55.1	99	100	104	9/23	3.0	40
HAMON	AG4604N*	59.7	--	--	--	--	106	--	--	10/1	2.0	42
KANSAS AES	K1623RR*	47.8	--	--	--	--	85	--	--	9/25	3.3	41
KANSAS AES	K1630RR*	59.7	--	--	--	--	106	--	--	9/28	1.7	47
KANSAS AES	K1631RR*	45.0	--	--	--	--	80	--	--	10/3	3.0	48
KANSAS AES	K4202RR*	53.6	--	--	--	--	95	--	--	9/27	2.3	47
KANSAS AES	K4602RR*	54.3	--	--	--	--	96	--	--	10/3	2.0	49
KANSAS AES	KS4404RR*	59.1	**71.5**	31.3	65.3	54.0	105	124	63	10/3	2.7	47
KANSAS AES	KS4704RR*	57.1	59.8	38.5	58.4	51.8	101	104	77	10/4	3.0	47
KRUGER	K-355RR/SCN*	60.5	**60.9**	**61.7**	60.7	61.0	107	106	124	9/19	3.0	38
KRUGER	K-373RR/SCN*	64.0	--	--	--	--	113	--	--	9/22	3.0	48
KRUGER	K-389RR/SCN*	**68.3**	57.7	--	63.0	--	121	100	--	9/26	2.3	43
KRUGER	K-399RR/SCN*	50.4	--	--	--	--	89	--	--	9/26	2.7	48
KRUGER	K-404RR*	56.8	**61.8**	50.8	59.3	56.5	101	107	102	9/25	3.0	39
KRUGER	K-433RR/SCN*	57.2	--	--	--	--	101	--	--	10/2	2.0	53
KRUGER	K-473RR/SCN*	50.3	--	--	--	--	89	--	--	10/5	2.0	54
LEWIS	4010*	54.2	**66.7**	--	60.4	--	96	116	--	9/28	2.3	50
MIDLAND	MG3826NRR*	54.0	--	--	--	--	96	--	--	9/22	2.0	48
MIDLAND	MG4406NRS*	41.3	--	--	--	--	73	--	--	9/30	2.7	49
MIDLAND	MG9A385NRS*	**74.4**	56.7	--	65.5	--	132	98	--	9/27	1.7	42
MIDWEST SEED	GR3633*	60.5	--	--	--	--	107	--	--	9/22	2.7	46
MIDWEST SEED	GR4154*	42.5	--	--	--	--	75	--	--	9/29	2.7	47
NK	S39-K6*	62.3	47.5	47.8	54.9	52.5	110	82	96	9/25	1.7	45
NK	S40-R9*	57.8	51.0	51.5	54.4	53.4	102	88	104	9/30	1.3	49
NK	S42-P7*	54.9	59.0	47.9	57.0	53.9	97	102	96	9/26	2.0	41
OHLDE	O-3494	60.7	--	--	--	--	107	--	--	9/22	2.3	39
OHLDE	O-3727NRS*	63.0	59.1	--	61.0	--	111	102	--	9/23	1.3	41
OHLDE	O-4292*	54.1	--	--	--	--	96	--	--	10/3	2.3	46
PHILLIPS	366NRS*	49.6	--	--	--	--	88	--	--	9/23	3.0	47
PHILLIPS	374NRR*	62.9	--	--	--	--	111	--	--	9/22	2.3	43
PHILLIPS	376NRR*	**68.1**	--	--	--	--	120	--	--	9/25	1.0	45
PHILLIPS	385NRS*	63.4	--	--	--	--	112	--	--	9/24	2.0	41
PIONEER BRAND	93M92*	50.2	**63.2**	--	56.7	--	89	109	--	9/23	3.3	43
PIONEER BRAND	94B73*	51.0	**72.2**	--	61.6	--	90	125	--	10/2	2.3	52
PIONEER BRAND	94M30*	57.1	--	--	--	--	101	--	--	9/30	2.0	49
STINE	3532-4*	57.7	58.1	**54.8**	57.9	56.9	102	101	110	9/24	3.0	40
STINE	3932-4*	62.3	**60.7**	53.4	61.5	58.8	110	105	107	9/26	3.0	39
STINE	3942-4*	60.9	--	--	--	--	108	--	--	9/24	2.0	40
STINE	4102-4*	57.6	**69.7**	50.9	63.7	59.4	102	121	102	9/28	2.3	41
TAYLOR	353RR*	62.6	**60.5**	--	61.6	--	111	105	--	9/28	2.0	45
TAYLOR	387RR*	56.8	**66.8**	48.7	61.8	57.4	100	116	98	9/25	2.7	39
TAYLOR	398RRS*	**69.2**	**61.3**	--	65.2	--	122	106	--	9/25	2.0	50
WILLCROSS	RR2383N*	54.6	**67.0**	**54.6**	60.8	58.7	97	116	110	9/24	3.0	42
WILLCROSS	RR2432N*	50.7	**71.4**	46.6	61.0	56.2	90	124	94	10/1	2.0	49
WILLCROSS	RR2446N*	53.9	--	--	--	--	95	--	--	10/1	2.3	51
WILLCROSS	RR2484N*	43.4	--	--	--	--	77	--	--	10/2	2.3	40
WILLCROSS	RR2486N*	45.9	--	--	--	--	81	--	--	10/6	2.0	53
AVERAGES		56.5	57.7	49.7								
CV (%)		10.8	15.0	12.6								
LSD (0.10)		8.3	11.7	8.5								

Values in bold are in the upper LSD group.

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

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

Good growing conditions throughout the season. Minor hail damage occurred in mid-June.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.3	6.1	11.9	6.4	9.6	4.9	40.2

Planted 5/25/2005 at 8 seeds/ft; harvested 10/25/2005; 32 ft. by 2-row plot; pesticides: 22 oz. Roundup Weather Max® + 3 qt./100 gal. Formula 1® water conditioner on 6/22 and 32 oz Honcho Plus® + 2 qt./100 gal. Formula 1® water conditioner on 7/22

Table 5. Ottawa, Franklin Co. Roundup®-resistant Soybean Performance Test, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3722NRR*	51.6	61.7	--	56.6	--	89	102	--	9/26	1.0	29
ADVANCED GENETICS	AG4040NRR*	51.6	--	--	--	--	89	--	--	9/30	1.0	32
ADVANCED GENETICS	AG4444NRR*	**64.3**	61.4	28.7	62.8	51.5	111	102	122	10/6	1.0	34
ADVANCED GENETICS	AG4559NRS*	57.6	--	--	--	--	99	--	--	10/5	1.0	28
ADVANCED GENETICS	AG4880NRS*	61.7	59.8	--	60.7	--	106	99	--	10/8	1.0	33
ADVANCED GENETICS	AG5005NRR*	59.4	--	--	--	--	102	--	--	10/6	1.0	34
ADVANCED GENETICS	AG5333NRR*	**62.4**	50.6	**35.2**	56.5	49.4	107	84	150	10/16	1.0	32
ASGROW	AG3802*	55.3	61.2	--	58.3	--	95	101	--	9/29	1.0	32
ASGROW	AG3905*	52.3	60.8	23.1	56.5	45.4	90	101	98	9/28	1.0	31
ASGROW	AG4403*	61.9	**64.0**	29.1	62.9	51.6	107	106	124	10/5	1.0	33
ASGROW	AG4404*	55.7	--	--	--	--	96	--	--	10/7	1.0	31
ASGROW	AG4503*	57.1	--	--	--	--	98	--	--	10/6	1.0	32
CROPLAN GENETICS	RC3735*	48.1	--	--	--	--	83	--	--	9/27	1.0	31
CROPLAN GENETICS	RC4095*	59.8	--	--	--	--	103	--	--	9/30	1.0	32
CROPLAN GENETICS	RC4455*	61.1	--	--	--	--	105	--	--	10/5	1.0	36
DEKALB	DKB42-51*	**63.0**	--	--	--	--	109	--	--	10/6	1.0	31
DEKALB	DKB44-51*	**63.4**	61.3	26.9	62.3	50.5	109	102	115	10/6	1.0	34
DEKALB	DKB46-51*	61.3	59.8	30.6	60.5	50.5	106	99	130	10/7	1.0	32
DYNA-GRO	DG 32C38*	57.3	**64.9**	--	61.1	--	99	108	--	9/28	1.0	27
DYNA-GRO	DG 3468NRR*	56.7	--	--	--	--	98	--	--	10/7	1.0	32
DYNA-GRO	DG 37R39*	57.1	--	20.3	--	--	98	--	86	9/30	1.0	29
DYNA-GRO	DG 39G43	62.0	--	--	--	--	107	--	--	10/6	1.0	30
GARST	3624RR/N*	55.1	63.6	--	59.4	--	95	105	--	9/25	1.0	28
GARST	3712RR/N*	**63.1**	61.9	24.8	62.5	49.9	109	103	106	10/1	1.0	27
GARST	3812RR/N*	56.8	62.2	21.7	59.5	46.9	98	103	93	9/28	1.0	34
GARST	4212RR/STS/N*	57.5	**64.1**	--	60.8	--	99	106	--	10/4	1.0	27
GARST	4512RR/N*	60.5	61.8	28.3	61.1	50.2	104	102	121	10/6	1.0	32
KANSAS AES	K1623RR*	52.7	--	--	--	--	91	--	--	9/28	1.0	27
KANSAS AES	K1630RR*	52.1	--	--	--	--	90	--	--	10/5	1.0	28
KANSAS AES	K1631RR*	56.1	--	--	--	--	97	--	--	10/5	1.0	33
KANSAS AES	K4202RR*	53.1	--	--	--	--	91	--	--	10/1	1.0	30
KANSAS AES	K4602RR*	57.1	--	--	--	--	98	--	--	10/6	1.0	34
KANSAS AES	KS4404RR*	60.2	57.6	26.7	58.9	48.2	104	95	114	10/5	1.0	30
KANSAS AES	KS4704RR*	**63.8**	57.1	28.3	60.4	49.7	110	95	121	10/7	1.0	30
KRUGER	K-355RR/SCN*	55.7	**64.2**	18.3	60.0	46.1	96	106	78	9/20	1.0	28
KRUGER	K-373RR/SCN*	54.6	--	--	--	--	94	--	--	9/22	1.0	30
KRUGER	K-389RR/SCN*	59.7	**64.2**	--	62.0	--	103	106	--	9/28	1.0	28
KRUGER	K-399RR/SCN*	54.8	--	--	--	--	94	--	--	9/28	1.0	30
KRUGER	K-404RR*	59.2	62.5	26.6	60.8	49.4	102	104	113	10/2	1.0	27
KRUGER	K-433RR/SCN*	60.0	--	--	--	--	103	--	--	10/6	1.0	36
KRUGER	K-473RR/SCN*	55.8	--	--	--	--	96	--	--	10/8	1.0	40
MFA MORSOY	RT 3804N*	56.3	--	--	--	--	97	--	--	9/29	1.0	26
MFA MORSOY	RT 4225N*	52.7	--	--	--	--	91	--	--	10/2	1.0	32
MFA MORSOY	RT 4485N*	**64.3**	--	--	--	--	111	--	--	10/6	1.0	34
MFA MORSOY	RT 4731N*	56.6	62.0	27.9	59.3	48.8	98	103	119	10/8	1.0	32
MFA MORSOY	RT 4845N*	56.0	--	--	--	--	97	--	--	10/8	1.0	39
MFA MORSOY	RTS 4824*	**65.0**	61.7	--	63.4	--	112	102	--	10/7	1.0	34
MIDLAND	MG3816NRS*	53.7	--	--	--	--	93	--	--	9/29	1.0	30
MIDLAND	MG4106NRR*	59.1	--	--	--	--	102	--	--	10/4	1.0	36
MIDLAND	MG4406NRS*	55.7	--	--	--	--	96	--	--	10/5	1.0	31
MIDLAND	MG4506NRR*	**63.4**	--	--	--	--	109	--	--	10/5	1.0	37
MIDLAND	MG9A373NRR*	56.6	--	22.0	--	--	98	--	94	9/26	1.0	30
MIDLAND	MG9A402NRR*	58.7	58.1	--	58.4	--	101	96	--	10/6	1.0	34

(continued)

Table 5. Ottawa, Franklin Co. Roundup®-resistant Soybean Performance Test, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
MIDLAND	MG9A432NRS*	61.7	**64.8**	26.9	63.2	51.1	106	107	115	10/6	1.0	32
MIDLAND	MG9A494XRR*	53.5	--	--	--	--	92	--	--	10/6	1.0	34
MIDLAND	MG9B395NRR*	59.6	--	--	--	--	103	--	--	10/4	1.0	33
MIDWEST SEED	GR3633*	59.6	--	--	--	--	103	--	--	9/26	1.0	29
MIDWEST SEED	GR4154*	57.1	--	--	--	--	98	--	--	10/2	1.0	32
NK	S39-K6*	50.3	62.8	22.7	56.6	45.3	87	104	97	9/29	1.0	29
NK	S42-P7*	52.4	--	21.9	--	--	90	--	93	10/2	1.0	28
NK	S46-W8*	48.4	58.7	25.2	53.5	44.1	83	97	107	10/6	1.0	32
NK	S49-Q9*	60.2	59.0	--	59.6	--	104	98	--	10/9	1.0	33
OHLDE	O-3712NRR*	57.3	63.3	--	60.3	--	99	105	--	9/27	1.0	34
OHLDE	O-3932NRR*	55.0	57.8	--	56.4	--	95	96	--	9/30	1.0	33
OHLDE	O-4292*	**63.8**	--	--	--	--	110	--	--	10/6	1.0	32
OHLDE	O-4595*	60.4	--	--	--	--	104	--	--	10/5	1.0	38
PHILLIPS	385NRS*	59.7	--	--	--	--	103	--	--	9/28	1.0	29
PHILLIPS	432NRS*	59.9	--	--	--	--	103	--	--	10/6	1.0	32
PHILLIPS	465NRR*	56.7	--	--	--	--	98	--	--	10/3	1.0	32
PHILLIPS	486NRS*	**64.8**	--	--	--	--	112	--	--	10/7	1.0	35
PIONEER BRAND	93M92*	56.5	**63.8**	--	60.2	--	97	106	--	9/26	1.0	31
PIONEER BRAND	94B73*	60.9	**66.9**	--	63.9	--	105	111	--	10/6	1.0	34
PIONEER BRAND	94M30*	62.2	--	--	--	--	107	--	--	10/7	1.0	30
RENZE	R3835SRcn*	54.8	**66.2**	--	60.5	--	94	110	--	9/28	1.0	26
RENZE	R3996RRcn*	58.1	--	--	--	--	100	--	--	10/1	1.0	32
RENZE	R4486RRcn*	59.4	--	--	--	--	102	--	--	10/5	1.0	38
RENZE	R4695RRcn*	59.5	62.3	--	60.9	--	103	103	--	10/4	1.0	30
RENZE	R4836SRcn*	**66.3**	--	--	--	--	114	--	--	10/7	1.0	34
STINE	3932-4*	53.9	62.9	--	58.4	--	93	104	--	10/3	1.0	26
STINE	4532-4*	57.5	--	--	--	--	99	--	--	10/8	1.0	39
TAYLOR	427RRS*	60.6	62.7	27.4	61.6	50.2	104	104	117	10/6	1.0	30
TAYLOR	EXP4400-5RR*	61.4	--	--	--	--	106	--	--	10/5	1.0	37
WILLCROSS	RR2383N*	59.3	62.4	23.5	60.8	48.4	102	103	100	10/1	1.0	27
WILLCROSS	RR2432N*	**62.9**	62.3	28.3	62.6	51.2	108	103	121	10/6	1.0	33
WILLCROSS	RR2446N*	60.7	--	--	--	--	105	--	--	10/6	1.0	36
WILLCROSS	RR2484N*	46.4	61.2	--	53.8	--	80	101	--	10/5	1.0	27
WILLCROSS	RR2486N*	**62.6**	--	--	--	--	108	--	--	10/8	1.0	36
AVERAGES		58.0	60.4	23.5								
CV (%)		5.9	4.8	8.7								
LSD (0.10)		4.0	3.4	2.8								

Values in bold are in the upper LSD group.

Roger Drager Farm, Columbus, Cherokee County; James Long, agronomist, 620-421-4826

Silt loam, pH 6.4, 1.9% OM; P test: M, K test: M

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	4.7	4.2	5.0	4.4	4.5	1.3	24.1

Excellent growing conditions early in the season, but temperatures were above normal and rainfall below normal from late July through September.

Planted 6/2/2005 at 7 seeds/ft; harvested 10/17/2005; 14.5 ft. by 2-row plot; pesticides: 1 pt Dual II Magnum® and 6 oz/a FirstRate®

Table 6. Columbus, Cherokee Co. Soybean Performance Test on Cyst Nematode-infested Soil, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
KANSAS AES	K1463RR*	29.3	--	--	--	--	105	--	--	10/6	1.0	32
KANSAS AES	K4602RR*	27.8	--	--	--	--	100	--	--	9/29	1.0	29
KANSAS AES	K5502RR*	**31.3**	--	--	--	--	112	--	--	10/7	1.0	31
KANSAS AES	KS5004N	28.5	**29.4**	32.2	29.0	30.0	102	118	117	9/30	1.0	29
KSOY	KS4602N	27.5	21.1	20.3	24.3	23.0	99	85	73	9/28	1.0	27
KSOY	KS5502N	**33.0**	24.8	35.6	28.9	31.1	118	100	129	10/8	1.0	30
MARYLAND AES	MANOKIN	28.5	**29.0**	33.3	28.7	30.3	102	117	121	10/2	1.0	29
PIONEER BRAND	94M80*	26.0	--	--	--	--	93	--	--	9/27	1.0	34
PIONEER BRAND	95M50*	29.5	--	--	--	--	106	--	--	10/7	1.0	33
STINE	4532-4*	24.0	--	--	--	--	86	--	--	9/29	1.0	37
STINE	4842-4*	24.3	**26.8**	--	25.6	--	87	108	--	9/28	1.0	30
VIRGINIA AES	HUTCHESON	28.5	22.5	28.6	25.5	26.6	102	91	104	10/6	1.0	28
AVERAGES		27.9	24.8	27.6								
CV (%)		7.5	11.1	8.8								
LSD (0.10)		2.5	3.3	2.6								

Values in bold are in the upper LSD group.

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

Parsons silt loam, pH 6.7, 2% OM; P test: M, K test: L

40-75-60 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	4.7	4.2	5.0	4.4	4.5	1.3	24.1

Excellent growing conditions early in the season, but temperatures were above normal and rainfall below normal from late July through September. Fertilizer applied as 2 tons/acre of turkey litter.

Planted 6/3/2005 at 7 seeds/ft; harvested 9/30/2005; 14.5 ft. by 2-row plot; pesticides: 1 pt. Dual II Magnum® and 6 oz/a FirstRate® pre-emerge, then 22 oz/a Roundup Weathermax® and 1/4 oz Classic® postemergence

Table 7. Pittsburg, Crawford Co. Roundup®-resistant Soybean Performance Test, Maturity Group IV, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ASGROW	AG4404*	**45.3**	--	--	--	--	103	--	--	9/24	1.0	30
CROPLAN GENETICS	RC4455*	42.5	--	--	--	--	97	--	--	9/24	1.0	33
CROPLAN GENETICS	RC4655*	38.0	--	--	--	--	86	--	--	9/22	1.0	35
DEKALB	DKB46-51*	**46.3**	**51.7**	23.5	49.0	40.5	105	104	104	9/26	1.0	31
DELTAPINE	DP3861RR*	43.8	46.7	18.9	45.3	36.5	99	94	84	9/18	1.0	29
DELTAPINE	DP4331RR*	**45.1**	**50.9**	23.4	48.0	39.8	102	103	104	9/24	1.0	32
DYNA-GRO	DG 32C38*	**48.1**	--	--	--	--	109	--	--	9/20	1.0	29
DYNA-GRO	DG 33A37*	**46.6**	--	--	--	--	106	--	--	9/19	1.0	30
DYNA-GRO	DG 3468NRR*	**47.1**	--	--	--	--	107	--	--	9/28	1.0	29
GARST	4512RR/N*	43.0	--	21.1	--	--	98	--	93	9/24	1.0	32
GARST	4612RR/N*	41.3	--	--	--	--	94	--	--	9/23	1.0	30
KANSAS AES	KS4404RR*	**44.8**	48.4	**27.3**	46.6	40.2	102	98	121	9/24	1.0	29
KANSAS AES	KS4704RR*	42.6	47.0	**28.8**	44.8	39.5	97	95	128	9/27	1.0	28
MFA MORSOY	RT 4485N*	**47.6**	--	--	--	--	108	--	--	9/24	1.0	36
MIDLAND	MG4506NRR*	42.6	--	--	--	--	97	--	--	9/22	1.0	36
MIDLAND	MG9A432NRS*	**46.1**	--	24.4	--	--	105	--	108	9/26	1.0	31
MIDLAND	MG9A462NRS*	41.0	--	23.5	--	--	93	--	104	9/23	1.0	36
MIDWEST SEED	GR4154*	44.1	--	--	--	--	100	--	--	9/24	1.0	31
MIDWEST SEED	GR4454*	44.6	--	--	--	--	101	--	--	9/26	1.0	27
M-PRIDE	AxRR53976*	**44.8**	--	--	--	--	102	--	--	9/28	1.0	39
M-PRIDE	MPV4404NRR*	44.6	--	--	--	--	101	--	--	9/25	1.0	31
NK	S39-K6*	43.3	--	--	--	--	98	--	--	9/19	1.0	30
NK	S42-P7*	41.5	--	--	--	--	94	--	--	9/22	1.0	26

(continued)

Table 7. Pittsburg, Crawford Co. Roundup®-resistant Soybean Performance Test, Maturity Group IV, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
NK	S46-W8*	42.1	46.2	24.6	44.1	37.6	96	93	109	9/23	1.0	35
PRAIRIE BRAND	PB-4583NRR*	**46.6**	**52.9**	--	49.7	--	106	107	--	9/27	1.0	28
STINE	4532-4*	36.0	--	--	--	--	82	--	--	9/29	1.0	41
WILLCROSS	RR2432N*	**45.8**	--	--	--	--	104	--	--	9/24	1.0	32
WILLCROSS	RR2446N*	**47.8**	--	--	--	--	109	--	--	9/23	1.0	37
AVERAGES		44.0	49.6	22.5								
CV (%)		6.4	5.0	10.4								
LSD (0.10)		3.3	2.9	2.8								

Values in bold are in the upper LSD group.

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

Parsons silt loam, pH 6.7, 2% OM; P test: M, K test: L

40-75-60 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	4.7	4.2	5.0	4.4	4.5	1.3	24.1

Excellent growing conditions early in the season, but temperatures were above normal and rainfall below normal from late July through September. Fertilizer applied as 2 tons/acre of turkey litter.

Planted 6/3/2005 at 7 seeds/ft; harvested 10/18/2005; 14.5 ft. by 2-row plot; pesticides: 1 pt. Dual II Magnum® and 6 oz/a FirstRate® pre-emerge, then 22 oz/a Roundup Weathermax® and 1/4 oz Classic® postemergence

Table 8. Pittsburg, Crawford Co. Roundup®-resistant Soybean Performance Test, Maturity Group V, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG5005NRR*	38.3	--	--	--	--	99	--	--	9/26	1.0	34
ADVANCED GENETICS	AG5333NRR*	39.5	48.8	40.4	44.2	42.9	103	104	112	10/3	1.0	33
ADVANCED GENETICS	AG5440NRS*	39.0	--	--	--	--	101	--	--	10/4	1.3	39
ASGROW	AG4703*	39.3	--	--	--	--	102	--	--	9/29	1.0	28
ASGROW	AG4703*	**40.8**	--	--	--	--	106	--	--	9/29	1.0	34
ASGROW	AG4801*	**41.5**	**50.0**	--	45.8	--	108	107	--	9/27	1.0	29
ASGROW	AG4903*	**42.3**	49.0	--	45.6	--	110	105	--	9/30	1.0	34
ASGROW	AG5301*	38.3	44.7	40.5	41.5	41.2	99	96	113	10/5	1.0	34
ASGROW	AG5501*	37.5	41.4	41.3	39.5	40.1	97	88	115	10/2	1.0	36
ASGROW	AG5605*	**41.5**	48.1	40.7	44.8	43.4	108	103	113	10/5	1.0	34
CROPLAN GENETICS	RC5455*	37.0	--	--	--	--	96	--	--	10/4	1.0	34
DYNA-GRO	DG 36M49*	38.0	**49.8**	--	43.9	--	99	106	--	9/28	1.0	36
GARST	4999RR/N*	**40.0**	--	--	--	--	104	--	--	9/29	1.0	39
GARST	5412RR/STS/N*	36.8	46.6	--	41.7	--	95	100	--	10/4	1.0	34
GARST	D484RR/N*	**41.8**	**49.7**	31.5	45.8	41.0	108	106	88	10/2	1.0	36
KANSAS AES	K1463RR*	36.3	--	--	--	--	94	--	--	10/4	1.5	38
KANSAS AES	K5502RR*	**39.8**	--	--	--	--	103	--	--	10/2	1.0	33
MFA MORSOY	RT 4731N*	**42.8**	**50.1**	31.9	46.5	41.6	111	107	89	9/28	1.0	33
MFA MORSOY	RT 4845N*	33.3	--	--	--	--	86	--	--	9/29	1.0	42
MFA MORSOY	RT 5043N*	39.3	47.3	--	43.3	--	102	101	--	9/27	1.0	36
MFA MORSOY	RT 5154N*	**42.3**	**50.7**	--	46.5	--	110	108	--	9/29	1.0	39
MFA MORSOY	RTS 4824*	**42.8**	**51.2**	--	47.0	--	111	110	--	9/28	1.0	34
MIDLAND	MG4806NRS*	**41.3**	--	--	--	--	107	--	--	9/28	1.0	34
MIDLAND	MG4807XRR*	30.5	--	--	--	--	79	--	--	9/29	1.0	39
MIDLAND	MG9A485XRR*	33.5	47.9	--	40.7	--	87	103	--	9/26	1.0	34
MIDLAND	MG9A494XRR*	35.3	47.7	--	41.5	--	92	102	--	9/29	1.0	35
MIDLAND	MG9A545NRS*	38.8	45.4	--	42.1	--	101	97	--	10/4	1.0	35
MIDWEST SEED	GR4752*	**42.5**	--	--	--	--	110	--	--	9/28	1.0	31
MIDWEST SEED	GR5231*	32.0	--	--	--	--	83	--	--	10/4	1.0	35
MIDWEST SEED	GRX48-01-5*	**41.5**	--	--	--	--	108	--	--	9/27	1.0	34
M-PRIDE	AxRR53057*	36.3	--	--	--	--	94	--	--	9/25	1.0	38
M-PRIDE	AxRR53116*	33.5	--	--	--	--	87	--	--	10/4	1.3	35
M-PRIDE	AxRR53386*	39.0	--	--	--	--	101	--	--	10/3	1.0	36
M-PRIDE	AxRR53776*	38.5	--	--	--	--	100	--	--	10/2	1.0	38
M-PRIDE	MPV4905NRR*	38.3	46.5	--	42.4	--	99	99	--	9/28	1.0	35
M-PRIDE	MPV5505NRR*	**41.8**	49.2	--	45.5	--	108	105	--	10/4	1.0	36

(continued)

Table 8. Pittsburg, Crawford Co. Roundup®-resistant Soybean Performance Test, Maturity Group V, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
NK	S49-Q9*	37.0	**50.9**	--	44.0	--	96	109	--	9/28	1.0	37
NK	S52-U3*	**40.5**	41.9	**44.6**	41.2	42.4	105	90	124	10/6	1.0	35
NK	S57-P1*	35.3	40.4	**45.2**	37.9	40.3	92	86	126	10/5	1.0	37
PIONEER BRAND	94B73*	39.3	--	--	--	--	102	--	--	9/24	1.0	33
PIONEER BRAND	95M50*	**40.5**	--	--	--	--	105	--	--	10/6	1.0	36
PRAIRIE BRAND	PB-5083NRR*	38.0	47.6	--	42.8	--	99	102	--	9/28	1.0	35
STINE	4842-4*	37.8	46.9	--	42.3	--	98	100	--	9/28	1.0	36
WILLCROSS	RR2486N*	33.5	--	--	--	--	87	--	--	9/29	1.0	42
WILLCROSS	RR2525N*	38.8	45.1	--	41.9	--	101	96	--	9/26	1.0	32
WILLCROSS	RR2544NSTS	**41.8**	45.7	--	43.7	--	108	98	--	10/3	1.0	35
AVERAGES		38.6	46.8	35.9								
CV (%)		6.8	5.3	8.6								
LSD (0.10)		3.0	2.9	3.6								

Values in bold are in the upper LSD group.

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

Crete silt loam, pH 6.9, 2.2% OM; P test: M, K test: H

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	4.3	1.6	5.1	5.7	4.2	0.3	21.2

Good growing conditions throughout much of the season. A freeze on September 27 affected the maturity and yield of the mid group IV and later-maturing varieties.

Planted 5/18/2005 at 10 seeds/ft; harvested 10/17/2005; 25 ft. by 2-row plot; pesticides: 1.5 pt. Dual® + .25 lb/a Sencor® preplant, 24 oz. Roundup Ultra® at planting, 24 oz. Roundup Ultra® postemergence

Table 9. Belleville, Republic Co. Roundup®-resistant Soybean Performance Test, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ASGROW	AG3005*	45.1	--	22.7	--	--	86	--	73	9/21	1.0	24
ASGROW	AG3305*	**60.4**	--	--	--	--	115	--	--	9/23	1.0	22
ASGROW	AG3602*	**57.1**	--	--	--	--	108	--	--	9/26	1.0	27
ASGROW	AG3802*	48.2	--	--	--	--	92	--	--	9/28	1.0	28
ASGROW	AG3906*	55.0	--	--	--	--	104	--	--	9/28	1.0	28
DEKALB	DKB34-51*	**59.6**	--	--	--	--	113	--	--	9/24	1.0	30
DEKALB	DKB36-52*	54.1	--	--	--	--	103	--	--	9/25	1.0	26
DEKALB	DKB38-52*	53.2	--	34.9	--	--	101	--	113	9/28	1.0	23
DYNA-GRO	DG 32C38*	50.1	38.8	--	44.4	--	95	104	--	9/27	1.0	22
DYNA-GRO	DG 37R39*	45.5	--	--	--	--	86	--	--	9/27	1.0	25
DYNA-GRO	SXO5138*	**58.5**	--	--	--	--	111	--	--	9/28	1.0	26
KANSAS AES	KS4404RR*	39.3	30.6	24.4	34.9	31.4	75	82	79	9/28	1.0	26
KANSAS AES	KS4704RR*	49.1	30.2	36.3	39.6	38.5	93	81	117	9/28	1.0	31
KRUGER	K-311RR/SCN*	51.2	--	--	--	--	97	--	--	9/22	1.0	26
KRUGER	K-328RR*	52.1	36.6	--	44.4	--	99	98	--	9/23	1.0	30
KRUGER	K-333RR/SCN*	52.5	--	--	--	--	100	--	--	9/22	1.0	24
KRUGER	K-341RR/SCN*	52.1	--	--	--	--	99	--	--	9/27	1.0	27
KRUGER	K-349RR*	47.2	35.8	--	41.5	--	90	96	--	9/24	1.0	25
KRUGER	K-355RR/SCN*	**56.9**	36.4	--	46.7	--	108	97	--	9/25	1.0	27
KRUGER	K-373RR/SCN*	52.7	--	--	--	--	100	--	--	9/26	1.0	24
KRUGER	K-389RR/SCN*	**56.3**	40.8	--	48.5	--	107	109	--	9/28	1.0	25
KRUGER	K-399RR/SCN*	46.3	--	--	--	--	88	--	--	9/28	1.0	27
KRUGER	K-404RR*	45.2	37.7	--	41.4	--	86	101	--	9/28	1.0	22
MIDLAND-PHILLIPS	333RS*	55.9	36.8	--	46.3	--	106	98	--	9/24	1.0	26
MIDLAND-PHILLIPS	374NRR*	42.3	**45.3**	--	43.8	--	80	121	--	9/27	1.0	25
MIDLAND-PHILLIPS	385NRS*	**57.6**	--	--	--	--	109	--	--	9/28	1.0	26
NK	S29-C9*	49.6	36.8	**41.8**	43.2	42.7	94	99	135	9/20	1.0	24
NK	S32-G5*	**57.6**	32.1	26.2	44.8	38.6	109	86	85	9/22	1.0	25
NK	S37-N4*	**58.2**	34.7	31.1	46.5	41.4	111	93	101	9/27	1.0	28
OHLDE	O-3334NRR*	**57.3**	--	--	--	--	109	--	--	9/24	1.0	29
OHLDE	O-3522NRR*	51.3	42.5	--	46.9	--	98	114	--	9/24	1.0	24

(continued)

Table 9. Belleville, Republic Co. Roundup®-resistant Soybean Performance Test, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
OHLDE	O-3712NRR*	52.1	38.5	--	45.3	--	99	103	--	9/27	1.0	32
OHLDE	O-3882NRR*	46.7	--	--	--	--	89	--	--	9/28	1.0	25
OHLDE	O-3932NRR*	**56.8**	--	--	--	--	108	--	--	9/28	1.0	30
PIONEER BRAND	93B36*	**59.9**	42.3	31.0	51.1	44.4	114	113	100	9/24	1.0	28
PIONEER BRAND	93M51*	56.0	--	--	--	--	106	--	--	9/24	1.0	28
PIONEER BRAND	93M92*	**59.0**	--	--	--	--	112	--	--	9/28	1.0	28
TAYLOR	398RRS*	52.7	--	--	--	--	100	--	--	9/28	1.0	23
AVERAGES		52.6	37.4	31.0								
CV (%)		5.8	5.4	9.6								
LSD (0.10)		4.2	2.8	4.0								

Values in bold are in the upper LSD group.

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

Crete silt loam, pH 6.5, 2.4% OM; P test: M , K test: H

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

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.4	1.8	4.4	7.1	4.8	0.3	21.8
Irrigation:			1.3	1.3	3.0		5.6

Good growing conditions throughout much of the season. A freeze on September 27 affected the maturity and yield of the mid group IV and later-maturing varieties.

Planted 5/10/2005 at 12 seeds/ft; harvested 10/24/2005; 25 ft. by 2-row plot; pesticides: 1.5 pt. Dual® + .25 lb/a Sencor® preplant, 24 oz. Roundup Ultra® at planting, 24 oz. Roundup Ultra® postemergence

Table 10. Scandia, Republic Co. Irrigated Roundup®-resistant Soybean Performance Test, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ASGROW	AG3305*	81.8	70.4	--	76.1	--	103	107	--	9/22	1.0	38
ASGROW	AG3602*	80.2	68.5	--	74.4	--	101	104	--	9/25	1.0	36
ASGROW	AG3802*	79.9	--	--	--	--	101	--	--	9/28	1.0	45
ASGROW	AG3906*	78.5	--	--	--	--	99	--	--	9/28	1.0	41
ASGROW	AG4404*	78.5	--	--	--	--	99	--	--	9/28	1.0	44
CROPLAN GENETICS	RT3555*	77.8	--	--	--	--	98	--	--	9/23	1.0	40
DEKALB	DKB34-51*	80.7	--	--	--	--	102	--	--	9/22	1.0	42
DEKALB	DKB36-52*	81.9	63.8	--	72.9	--	103	97	--	9/23	1.0	40
DEKALB	DKB38-52*	80.5	--	**69.3**	--	--	101	--	102	9/28	1.0	44
DYNA-GRO	DG 32C38*	78.7	--	--	--	--	99	--	--	9/21	1.0	35
DYNA-GRO	SXO5138*	**84.6**	--	--	--	--	107	--	--	9/28	1.0	39
GARST	3212RR/N*	80.0	--	69.2	--	--	101	--	102	9/21	1.0	36
GARST	3512RR/N*	79.9	--	--	--	--	101	--	--	9/22	1.0	35
GARST	3624RR/N*	79.6	68.7	--	74.2	--	100	104	--	9/24	1.0	36
GARST	3712RR/N*	81.0	**73.5**	**70.2**	77.2	74.9	102	112	103	9/26	1.0	34
GARST	3824RR/N*	80.0	62.0	**71.4**	71.0	71.1	101	94	105	9/28	1.0	39
KANSAS AES	K1623RR*	79.0	--	--	--	--	99	--	--	9/27	1.0	38
KANSAS AES	K1630RR*	77.0	--	--	--	--	97	--	--	9/28	1.0	40
KANSAS AES	K1631RR*	77.7	--	--	--	--	98	--	--	9/27	1.0	47
KANSAS AES	K4202RR*	72.0	--	--	--	--	91	--	--	9/28	1.0	44
KANSAS AES	K4602RR*	75.3	--	--	--	--	95	--	--	9/28	1.0	46
KANSAS AES	KS4404RR*	72.9	55.7	67.0	64.3	65.2	92	85	99	9/28	1.0	42
KANSAS AES	KS4704RR*	70.8	61.2	66.7	66.0	66.2	89	93	98	9/28	1.0	44
KRUGER	K-311RR/SCN*	75.4	--	--	--	--	95	--	--	9/20	1.0	38
KRUGER	K-328RR*	75.6	69.8	--	72.7	--	95	106	--	9/22	1.0	41
KRUGER	K-333RR/SCN*	78.7	--	--	--	--	99	--	--	9/22	1.0	35
KRUGER	K-341RR/SCN*	79.6	--	--	--	--	100	--	--	9/25	1.0	36
KRUGER	K-349RR*	78.4	69.0	--	73.7	--	99	105	--	9/23	1.0	35
KRUGER	K-355RR/SCN*	76.8	69.4	--	73.1	--	97	105	--	9/23	1.0	35
KRUGER	K-373RR/SCN*	74.2	--	--	--	--	93	--	--	9/27	1.0	37
KRUGER	K-389RR/SCN*	77.5	65.2	--	71.4	--	98	99	--	9/28	1.0	40
KRUGER	K-399RR/SCN*	77.2	--	--	--	--	97	--	--	9/28	1.0	36
KRUGER	K-404RR*	77.8	**73.1**	--	75.4	--	98	111	--	9/28	1.0	36
MIDLAND-PHILLIPS	333RS*	80.3	**71.2**	67.4	75.7	73.0	101	108	99	9/21	1.0	40

(continued)

Table 10. Scandia, Republic Co. Irrigated Roundup®-resistant Soybean Performance Test, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
MIDLAND-PHILLIPS	346NRR*	82.3	--	--	--	--	104	--	--	9/23	1.0	40
MIDLAND-PHILLIPS	354RS*	81.3	66.7	**70.4**	74.0	72.8	102	101	103	9/23	1.0	45
MIDLAND-PHILLIPS	366NRS*	79.7	--	--	--	--	100	--	--	9/25	1.0	42
MIDLAND-PHILLIPS	374NRR*	79.6	65.5	67.5	72.5	70.9	100	99	99	9/27	1.0	40
MIDLAND-PHILLIPS	385NRS*	79.6	70.7	--	75.2	--	100	107	--	9/28	1.0	36
NK	S30-D4*	82.2	--	--	--	--	103	--	--	9/28	1.0	36
NK	S32-G5*	81.8	68.6	68.5	75.2	73.0	103	104	101	9/22	1.0	43
NK	S35-F9*	**86.4**	66.5	--	76.5	--	109	101	--	9/23	1.0	39
NK	S37-N4*	81.0	65.1	68.2	73.1	71.4	102	99	100	9/26	1.0	44
OHLDE	O-3334NRR*	79.1	--	--	--	--	100	--	--	9/22	1.0	40
OHLDE	O-3494	82.0	--	--	--	--	103	--	--	9/22	1.0	35
OHLDE	O-3522NRR*	81.3	65.2	--	73.2	--	102	99	--	9/23	1.0	38
OHLDE	O-3712NRR*	79.7	--	--	--	--	100	--	--	9/25	1.0	43
OHLDE	O-3727NRS*	79.6	66.7	--	73.2	--	100	101	--	9/26	1.0	36
OHLDE	O-3882NRR*	81.5	62.3	--	71.9	--	103	95	--	9/27	1.0	40
PIONEER BRAND	93B36*	**87.1**	--	**69.9**	--	--	110	--	103	9/22	1.0	38
PIONEER BRAND	93M51*	82.0	--	--	--	--	103	--	--	9/22	1.0	45
PIONEER BRAND	93M92*	81.5	68.4	--	74.9	--	103	104	--	9/28	1.0	41
RENZE	R3686RRcn*	76.7	--	--	--	--	97	--	--	9/25	1.0	40
RENZE	R3726RR*	81.8	--	--	--	--	103	--	--	9/26	1.0	36
STINE	3942-4*	75.7	68.3	--	72.0	--	95	104	--	9/28	1.0	38
TAYLOR	353RR*	**85.4**	--	--	--	--	107	--	--	9/24	1.0	40
TAYLOR	398RRS*	80.8	--	--	--	--	102	--	--	9/28	1.0	36
AVERAGES		79.4	65.8	68.0								
CV (%)		2.8	2.9	2.8								
LSD (0.10)		3.1	2.6	2.6								

Values in bold are in the upper LSD group.

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

Ladysmith silty clay loam, pH 6.7, 1.9% OM; P test: na, K test: na

14-37-0 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.5	6.0	9.9	3.5	7.0	1.2	29.1

Hard rains immediately after planting, totalling 8.35 inches over the next 9 days, caused poor emergence in some plots. Most plants emerged 10 days after planting. Heavy rains in early June resulted in a monthly total of 9.86 inches. Temperatures were slightly above normal in June. In July and August, temperatures were 2.1 to 2.7 °F below normal, but September was 2.7 °F above normal. There were only 2 days with temperatures at or above 100 °F. July rainfall was somewhat below normal, resulting in periods of limited drought stress. August rainfall totaled 7 inches, with most in the second half of the month. September had less than half of the long-term average rainfall. Temperatures during the first half of October averaged 3.6 °F above the monthly normal, and rainfall was limited to a few light showers totaling less than 0.5 inches. There was no frost before harvest. No significant insect or disease problems were noted.

Planted 6/7/2005 at 8 seeds/ft; harvested 10/18/2005; 30 ft. by 2-row plot; pesticides: Preplant: 22 oz/a Roundup Original Max® +1.33 oz/a 2,4-D LVE 6EC+0.8 lb/a AMS. Postemergence: Roundup Original Max® + AMS (22 oz/a+1.3lb/a)

Table 11. Hesston, Harvey Co. Roundup®-resistant Soybean Performance Test, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3722NRR*	40.9	**31.5**	--	36.2	--	103	112	--	10/2	1.0	28
ADVANCED GENETICS	AG3833NRS*	**45.2**	--	--	--	--	113	--	--	10/2	1.0	24
ADVANCED GENETICS	AG4040NRR*	35.7	--	--	--	--	90	--	--	9/30	1.0	31
ADVANCED GENETICS	AG4444NRR*	37.4	27.0	25.9	32.2	30.1	94	96	121	10/6	1.0	30
ADVANCED GENETICS	AG4559NRS*	41.2	--	--	--	--	103	--	--	10/7	1.0	26
AGSOURCE	9383*	34.9	--	--	--	--	88	--	--	10/1	1.0	25
AGSOURCE	9436*	**43.1**	--	--	--	--	108	--	--	10/6	1.0	33
ASGROW	AG3602*	37.4	--	--	--	--	94	--	--	9/30	1.0	27
ASGROW	AG3802*	37.2	**31.4**	--	34.3	--	93	112	--	9/30	1.0	29
ASGROW	AG3905*	35.5	28.4	--	32.0	--	89	101	--	10/4	1.3	27
ASGROW	AG4404*	37.6	--	--	--	--	94	--	--	10/8	1.0	30

(continued)

Table 11. Hesston, Harvey Co. Roundup®-resistant Soybean Performance Test, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
CROPLAN GENETICS	RC4013*	36.6	--	--	--	--	92	--	--	10/6	1.0	27
CROPLAN GENETICS	RC4095*	41.2	--	--	--	--	103	--	--	10/3	1.0	29
DEKALB	DKB44-51*	**41.6**	--	--	--	--	104	--	--	10/4	1.0	28
DELTAPINE	DP3861RR*	40.8	**29.5**	20.6	35.1	30.3	102	105	96	10/1	1.0	25
DELTAPINE	DP4331RR*	41.2	27.4	24.9	34.3	31.2	103	98	116	10/5	1.0	30
DYNA-GRO	DG 32C38*	**42.3**	28.0	--	35.1	--	106	100	--	10/4	1.0	27
DYNA-GRO	DG 37R39*	38.6	--	20.8	--	--	97	--	97	10/5	1.0	28
DYNA-GRO	SXO5138*	40.0	--	--	--	--	100	--	--	10/5	1.0	23
GARST	3512RR/N*	**45.5**	--	--	--	--	114	--	--	10/3	1.3	26
GARST	3624RR/N*	39.6	**31.5**	--	35.5	--	99	112	--	9/30	1.0	25
GARST	3812RR/N*	39.4	27.9	22.6	33.7	30.0	99	100	106	9/28	1.0	29
KANSAS AES	KS4404RR*	40.3	27.0	**27.9**	33.7	31.8	101	96	130	10/6	1.0	27
KANSAS AES	KS4704RR*	38.1	27.0	**29.4**	32.6	31.5	96	97	137	10/10	1.0	27
MIDLAND	MG3806RR*	39.0	--	--	--	--	98	--	--	10/1	1.0	24
MIDLAND	MG3816NRS*	37.3	--	--	--	--	94	--	--	9/30	1.0	26
MIDLAND	MG4506NRR*	**41.8**	--	--	--	--	105	--	--	10/6	1.0	31
MIDLAND	MG4806NRS*	40.5	--	--	--	--	102	--	--	10/13	1.0	30
MIDLAND	MG9A355XRR*	35.0	--	--	--	--	88	--	--	9/29	1.0	26
MIDLAND	MG9A375XRR*	33.7	--	--	--	--	85	--	--	9/30	1.0	26
MIDLAND	MG9A385NRS*	**41.8**	28.1	--	35.0	--	105	100	--	9/30	1.0	24
MIDLAND	MG9A432NRS*	40.7	28.9	20.3	34.8	30.0	102	103	95	10/7	1.0	30
NK	S40-R9*	41.2	**32.8**	22.8	37.0	32.2	103	117	106	10/8	1.0	29
NK	S43-B1*	41.4	--	--	--	--	104	--	--	10/8	1.0	28
NK	S46-W8*	34.7	23.3	23.7	29.0	27.2	87	83	111	10/10	1.0	31
OHLDE	O-3712NRR*	**45.2**	--	--	--	--	113	--	--	10/1	1.0	33
OHLDE	O-3882NRR*	35.1	--	--	--	--	88	--	--	10/4	1.0	26
OHLDE	O-4292*	**42.6**	--	--	--	--	107	--	--	10/6	1.0	28
PHILLIPS	385NRS*	40.8	--	--	--	--	102	--	--	10/2	1.0	24
PHILLIPS	432NRS*	38.2	--	--	--	--	96	--	--	10/7	1.0	28
PHILLIPS	465NRR*	41.0	--	--	--	--	103	--	--	10/5	1.0	29
PIONEER BRAND	93M80*	**42.8**	28.6	16.5	35.7	29.3	107	102	77	10/7	1.0	31
PIONEER BRAND	94B73*	**45.6**	--	--	--	--	114	--	--	10/4	1.0	28
PIONEER BRAND	94M30*	41.3	--	--	--	--	104	--	--	10/8	1.0	29
STINE	3832-4*	**46.0**	**30.7**	--	38.3	--	115	109	--	10/7	1.0	27
STINE	3932-4*	34.9	29.2	**27.4**	32.1	30.5	88	104	128	10/2	1.0	22
STINE	4302-4*	40.2	--	--	--	--	101	--	--	10/4	1.0	33
AVERAGES		39.8	28.0	21.4								
CV (%)		9.6	10.9	12.7								
LSD (0.10)		4.5	3.6	3.2								

Values in bold are in the upper LSD group.

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

Dillhut fine sand, pH 7.3, 1.1% OM; P test: L, K test: L

16-40-0 lbs N-P-K fertilizer

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	1.8	3.8	8.9	4.9	6.9	0.5	26.8
Irrigation:				3.0	5.0	4.0	12.0

Planted 5/27/2005 at 8 seeds/ft; harvested 10/25/2005; 32 ft. by 2-row plot; pesticides: 2 applications of Roundup Ultra®

Table 12. Hutchinson, Reno Co. Irrigated Roundup®-resistant Soybean Performance Test, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ADVANCED GENETICS	AG3722NRR*	38.4	60.4	--	49.4	--	92	100	--	9/28	1.0	--
ADVANCED GENETICS	AG3833NRS*	44.9	--	--	--	--	108	--	--	9/26	1.0	--
ADVANCED GENETICS	AG4040NRR*	**50.8**	--	--	--	--	122	--	--	10/2	1.0	--
ADVANCED GENETICS	AG4444NRR*	43.9	**66.9**	--	55.4	--	105	111	--	10/8	1.0	--
ADVANCED GENETICS	AG4559NRS*	42.2	--	--	--	--	101	--	--	10/4	1.0	--
AGSOURCE	9383*	39.7	--	--	--	--	95	--	--	10/1	1.0	--

(continued)

Table 12. Hutchinson, Reno Co. Irrigated Roundup®-resistant Soybean Performance Test, 2003-2005 - continued.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
AGSOURCE	9436*	45.1	--	--	--	--	108	--	--	10/1	1.0	--
ASGROW	AG3505*	36.5	--	--	--	--	88	--	--	9/23	1.0	--
ASGROW	AG3602*	38.5	--	--	--	--	93	--	--	9/22	1.0	--
ASGROW	AG3802*	38.2	--	--	--	--	92	--	--	9/26	1.0	--
ASGROW	AG4403*	43.0	--	--	--	--	103	--	--	10/9	1.0	--
ASGROW	AG4404*	**47.1**	--	--	--	--	113	--	--	10/4	1.0	--
CROPLAN GENETICS	RC3732*	35.4	59.6	--	47.5	--	85	99	--	9/28	1.0	--
CROPLAN GENETICS	RC4095*	**48.8**	--	--	--	--	117	--	--	10/6	1.0	--
CROPLAN GENETICS	RT3555*	39.2	--	--	--	--	94	--	--	9/21	1.0	--
DEKALB	DKB36-52*	37.9	--	--	--	--	91	--	--	9/24	1.0	--
DEKALB	DKB42-51*	44.0	--	--	--	--	106	--	--	9/27	1.0	--
DELTAPINE	DP3861RR*	40.3	--	--	--	--	97	--	--	9/30	1.0	--
DELTAPINE	DP4331RR*	**48.5**	--	--	--	--	117	--	--	10/2	1.0	--
GARST	3624RR/N*	37.6	--	--	--	--	90	--	--	9/28	1.0	--
GARST	3712RR/N*	**51.0**	--	--	--	--	123	--	--	9/30	1.0	--
GARST	3812RR/N*	35.5	--	--	--	--	85	--	--	9/22	1.0	--
GARST	3824RR/N*	31.4	--	--	--	--	75	--	--	10/6	1.0	--
KANSAS AES	KS4404RR*	**45.8**	59.2	--	52.5	--	110	98	--	9/26	1.0	--
KANSAS AES	KS4704RR*	41.3	56.2	--	48.8	--	99	93	--	10/5	1.0	--
MIDLAND	MG3806RR*	35.0	--	--	--	--	84	--	--	10/11	1.0	--
MIDLAND	MG3816NRS*	39.0	--	--	--	--	94	--	--	10/1	1.0	--
MIDLAND	MG4506NRR*	**47.0**	--	--	--	--	113	--	--	10/7	1.0	--
MIDLAND	MG4806NRS*	**46.7**	--	--	--	--	112	--	--	10/18	1.0	--
MIDLAND	MG9A355XRR*	38.7	--	--	--	--	93	--	--	9/22	1.0	--
MIDLAND	MG9A375XRR*	37.4	--	--	--	--	90	--	--	9/27	1.0	--
MIDLAND	MG9A385NRS*	43.7	**68.0**	--	55.9	--	105	113	--	9/25	1.0	--
MIDLAND	MG9A432NRS*	**49.5**	**66.9**	--	58.2	--	119	111	--	9/22	1.0	--
NK	S35-F9*	**47.7**	--	--	--	--	115	--	--	10/2	1.0	--
NK	S39-K6*	28.5	60.3	--	44.4	--	69	100	--	10/11	1.0	--
NK	S40-R9*	27.1	59.0	--	43.1	--	65	98	--	10/13	1.0	--
NK	S43-B1*	42.3	--	--	--	--	102	--	--	10/1	1.0	--
OHLDE	O-3727NRS*	37.7	--	--	--	--	91	--	--	9/30	1.0	--
OHLDE	O-3882NRR*	43.1	63.6	--	53.4	--	104	106	--	10/5	1.0	--
OHLDE	O-4292*	**52.2**	--	--	--	--	125	--	--	10/3	1.0	--
PHILLIPS	374NRR*	38.4	--	--	--	--	92	--	--	9/29	1.0	--
PHILLIPS	385NRS*	37.3	--	--	--	--	90	--	--	9/25	1.0	--
PHILLIPS	432NRS*	44.9	--	--	--	--	108	--	--	10/5	1.0	--
PHILLIPS	436NRS*	42.8	--	--	--	--	103	--	--	10/3	1.0	--
PHILLIPS	465NRR*	**47.1**	--	--	--	--	113	--	--	10/10	1.0	--
PIONEER BRAND	93B85*	44.4	58.5	--	51.4	--	107	97	--	10/4	1.0	--
PIONEER BRAND	93M51*	35.5	--	--	--	--	85	--	--	9/30	1.0	--
PIONEER BRAND	94M30*	**50.5**	--	--	--	--	121	--	--	10/10	1.0	--
STINE	3832-4*	32.9	62.9	--	47.9	--	79	104	--	9/30	1.0	--
STINE	4532-4*	**46.3**	--	--	--	--	111	--	--	9/28	1.0	--
AVERAGES		41.6	60.3	--								
CV (%)		12.5	4.2	--								
LSD (0.10)		7.1	3.0	--								

Values in bold are in the upper LSD group.

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

Keith silt loam, pH 7.1, 2.3% OM; P test: na, K test: na

16-25-0 lbs N-P-K fertilizer

Excellent growing conditions early in the season, but temperatures were above normal and rainfall below normal from mid-July through August.

	April	May	June	July	Aug.	Sept.	Total
Rainfall:	3.6	3.8	3.1	2.4	3.0	0.1	16.0
Irrigation:				4.0	7.0	4.0	15.0

Planted 5/16/2005 at 9 seeds/ft; harvested 9/30/2005; 20 ft. by 2-row plot; pesticides: 1 application of 1.5 pt. Roundup Ultra Max®

Table 13. Colby, Thomas Co. Irrigated Roundup®-resistant Soybean Performance Test, 2003-2005.

		ACRE YIELD, BUSHELS					YIELD AS % OF TEST AVERAGE			2005		
BRAND	NAME	2005	2004	2003	2-Yr. AVG.	3-Yr. AVG.	2005	2004	2003	Mat	Lodge score	Ht (in)
ASGROW	AG3005*	**76.1**	--	**64.0**	--	--	112	--	107	9/22	2.0	33
ASGROW	AG3305*	**77.1**	**70.4**	--	73.7	--	114	125	--	9/26	1.3	31
ASGROW	AG3505*	64.0	--	--	--	--	95	--	--	9/22	1.0	32
DEKALB	DKB34-51*	**79.6**	--	--	--	--	118	--	--	9/26	2.0	34
DEKALB	DKB36-52*	**75.0**	**63.4**	--	69.2	--	111	113	--	9/26	1.0	34
DYNA-GRO	DG 35D33*	**76.6**	--	--	--	--	113	--	--	9/24	1.8	34
DYNA-GRO	DG 35P29*	65.3	--	--	--	--	96	--	--	9/16	1.0	31
GARST	2721RR/N*	56.2	--	--	--	--	83	--	--	9/13	1.3	32
GARST	2834RR*	52.4	--	--	--	--	77	--	--	9/12	1.0	28
GARST	3212RR/N*	67.7	53.3	--	60.5	--	100	95	--	9/20	1.8	35
KANSAS AES	KS4404RR*	61.2	56.2	59.8	58.7	59.0	90	100	100	9/26	2.8	37
KANSAS AES	KS4704RR*	56.2	44.6	59.3	50.4	53.3	83	79	99	9/28	3.0	38
LG SEEDS	C3031RR*	66.6	--	--	--	--	98	--	--	9/20	2.0	35
NK	S30-D4*	71.1	--	--	--	--	105	--	--	9/19	1.0	31
NK	S35-F9*	**76.9**	--	--	--	--	114	--	--	9/26	1.8	33
OHLDE	O-3334NRR*	**77.8**	**65.5**	--	71.6	--	115	117	--	9/26	2.0	34
PIONEER BRAND	92M91*	52.3	--	--	--	--	77	--	--	9/13	1.0	31
PIONEER BRAND	93M11*	61.0	51.1	--	56.0	--	90	91	--	9/17	1.0	31
PIONEER BRAND	93M50*	72.7	**62.7**	--	67.7	--	107	112	--	9/21	1.5	34
AVERAGES		67.7	56.1	60.0								
CV (%)		6.1	13.0	7.9								
LSD (0.10)		4.8	12.6	5.6								

Values in bold are in the upper LSD group.

Table 14. Yield as a Percentage of Test Average from 2005 Tests.

BRAND/NAME	Centralia	Topeka dryland	Topeka irrigated	Ottawa	Columbus SCN	Columbus MG 4	Columbus MG 5	Belleville	Scandia	Hesston	Hutch-inson	Colby	AVERAGE
ADVANCED GENETICS													
AG3722NRR*	--	--	116	89	--	--	--	--	--	103	92	--	100
AG3833NRS*	--	--	--	--	--	--	--	--	--	113	108	--	111
AG4040NRR*	--	--	94	89	--	--	--	--	--	90	122	--	99
AG4444NRR*	--	--	90	111	--	--	--	--	--	94	105	--	100
AG4559NRS*	--	--	--	99	--	--	--	--	--	103	101	--	101
AG4880NRS*	--	--	--	106	--	--	--	--	--	--	--	--	106
AG5005NRR*	--	--	--	102	--	--	99	--	--	--	--	--	101
AG5333NRR*	--	--	--	107	--	--	103	--	--	--	--	--	105
AG5440NRS*	--	--	--	--	--	--	101	--	--	--	--	--	101
AGSOURCE													
9383*	110	--	--	--	--	--	--	--	--	88	95	--	98
9436*	100	--	--	--	--	--	--	--	--	108	108	--	106
ASGROW													
AG3005*	--	--	--	--	--	--	--	86	--	--	--	112	99
AG3305*	95	--	--	--	--	--	--	115	103	--	--	114	107
AG3505*	--	--	--	--	--	--	--	--	--	--	88	95	91
AG3602*	96	97	--	--	--	--	--	108	101	94	93	--	98
AG3802*	97	94	--	95	--	--	--	92	101	93	92	--	95
AG3905*	96	93	--	90	--	--	--	--	--	89	--	--	92
AG3906*	--	--	--	--	--	--	--	104	99	--	--	--	102
AG4403*	97	98	--	107	--	--	--	--	--	--	103	--	101
AG4404*	96	102	--	96	--	103	--	--	99	94	113	--	100
AG4503*	--	--	--	98	--	--	--	--	--	--	--	--	98
AG4703*	--	--	--	--	--	--	104	--	--	--	--	--	104
AG4801*	--	--	--	--	--	--	108	--	--	--	--	--	108
AG4903*	--	--	--	--	--	--	110	--	--	--	--	--	110
AG5301*	--	--	--	--	--	--	99	--	--	--	--	--	99
AG5501*	--	--	--	--	--	--	97	--	--	--	--	--	97
AG5605*	--	--	--	--	--	--	108	--	--	--	--	--	108
CROPLAN GENETICS													
RC3636*	--	--	101	--	--	--	--	--	--	--	--	--	101
RC3732*	--	--	--	--	--	--	--	--	--	--	85	--	85
RC3735*	85	79	--	83	--	--	--	--	--	--	--	--	82
RC4013*	--	--	--	--	--	--	--	--	--	92	--	--	92
RC4095*	99	96	79	103	--	--	--	--	--	103	117	--	100
RC4455*	--	--	--	105	--	97	--	--	--	--	--	--	101
RC4655*	--	--	--	--	--	86	--	--	--	--	--	--	86
RC5455*	--	--	--	--	--	--	96	--	--	--	--	--	96
RT3555*	95	92	100	--	--	--	--	--	98	--	94	--	96
DEKALB													
DKB34-51*	105	--	--	--	--	--	--	113	102	--	--	118	109
DKB36-52*	100	94	--	--	--	--	--	103	103	--	91	111	100
DKB38-52*	--	--	--	--	--	--	--	101	101	--	--	--	101
DKB42-51*	--	104	--	109	--	--	--	--	--	--	106	--	106
DKB44-51*	--	107	--	109	--	--	--	--	--	104	--	--	107
DKB46-51*	--	--	--	106	--	105	--	--	--	--	--	--	105
DELTAPINE													
DP3861RR*	--	--	--	--	--	99	--	--	--	102	97	--	100
DP4331RR*	--	--	--	--	--	102	--	--	--	103	117	--	107

(continued)

Table 14. Yield as a Percentage of Test Average from 2005 Tests - continued.

BRAND/NAME	Centralia	Topeka dryland	Topeka irrigated	Ottawa	Columbus SCN	Columbus MG 4	Columbus MG 5	Belleville	Scandia	Hesston	Hutch-inson	Colby	AVERAGE
DYNA-GRO													
DG 32C38*	105	107	--	99	--	109	--	95	99	106	--	--	103
DG 33A37*	96	108	--	--	--	106	--	--	--	--	--	--	103
DG 3468NRR*	--	--	--	98	--	107	--	--	--	--	--	--	102
DG 35D33*	--	--	--	--	--	--	--	--	--	--	--	113	113
DG 35P29*	--	--	--	--	--	--	--	--	--	--	--	96	96
DG 36M49*	--	--	--	--	--	--	99	--	--	--	--	--	99
DG 37R39*	97	103	--	98	--	--	--	86	--	97	--	--	96
DG 39G43	--	--	--	107	--	--	--	--	--	--	--	--	107
SXO5138*	--	--	--	--	--	--	--	111	107	100	--	--	106
GARST													
2721RR/N*	--	--	--	--	--	--	--	--	--	--	--	83	83
2834RR*	--	--	--	--	--	--	--	--	--	--	--	77	77
3212RR/N*	--	--	--	--	--	--	--	--	101	--	--	100	100
3512RR/N*	98	93	--	--	--	--	--	--	101	114	--	--	101
3624RR/N*	--	--	121	95	--	--	--	--	100	99	90	--	101
3712RR/N*	--	96	99	109	--	--	--	--	102	--	123	--	106
3812RR/N*	102	95	--	98	--	--	--	--	--	99	85	--	96
3824RR/N*	--	--	--	--	--	--	--	--	101	--	75	--	88
4212RR/STS/N*	--	--	--	99	--	--	--	--	--	--	--	--	99
4512RR/N*	--	--	--	104	--	98	--	--	--	--	--	--	101
4612RR/N*	--	--	--	--	--	94	--	--	--	--	--	--	94
4999RR/N*	--	--	--	--	--	--	104	--	--	--	--	--	104
5412RR/STS/N*	--	--	--	--	--	--	95	--	--	--	--	--	95
D484RR/N*	--	--	--	--	--	--	108	--	--	--	--	--	108
HAMON													
AG4604N*	--	95	106	--	--	--	--	--	--	--	--	--	100
KANSAS AES													
K1463RR*	--	--	--	--	105	--	94	--	--	--	--	--	100
K1623RR*	94	--	85	91	--	--	--	--	99	--	--	--	92
K1630RR*	95	--	106	90	--	--	--	--	97	--	--	--	97
K1631RR*	96	--	80	97	--	--	--	--	98	--	--	--	92
K4202RR*	89	--	95	91	--	--	--	--	91	--	--	--	92
K4602RR*	--	--	96	98	100	--	--	--	95	--	--	--	97
K5502RR*	--	--	--	--	112	--	103	--	--	--	--	--	108
KS4404RR*	99	98	105	104	--	102	--	75	92	101	110	90	97
KS4704RR*	95	113	101	110	--	97	--	93	89	96	99	83	98
KS5004N	--	--	--	--	102	--	--	--	--	--	--	--	102
KRUGER													
K-311RR/SCN*	--	--	--	--	--	--	--	97	95	--	--	--	96
K-328RR*	--	--	--	--	--	--	--	99	95	--	--	--	97
K-333RR/SCN*	99	--	--	--	--	--	--	100	99	--	--	--	99
K-341RR/SCN*	97	--	--	--	--	--	--	99	100	--	--	--	99
K-349RR*	96	--	--	--	--	--	--	90	99	--	--	--	95
K-355RR/SCN*	98	106	107	96	--	--	--	108	97	--	--	--	102
K-373RR/SCN*	98	80	113	94	--	--	--	100	93	--	--	--	96
K-389RR/SCN*	114	112	121	103	--	--	--	107	98	--	--	--	109
K-399RR/SCN*	102	102	89	94	--	--	--	88	97	--	--	--	95
K-404RR*	103	105	101	102	--	--	--	86	98	--	--	--	99
K-433RR/SCN*	105	106	101	103	--	--	--	--	--	--	--	--	104
K-473RR/SCN*	--	104	89	96	--	--	--	--	--	--	--	--	96
KSOY													
KS4602N	--	--	--	--	99	--	--	--	--	--	--	--	99
KS5502N	--	--	--	--	118	--	--	--	--	--	--	--	118

(continued)

Table 14. Yield as a Percentage of Test Average from 2005 Tests - continued.

BRAND/NAME	Centralia	Topeka dryland	Topeka irrigated	Ottawa	Columbus SCN	Columbus MG 4	Columbus MG 5	Belleville	Scandia	Hesston	Hutch-inson	Colby	AVERAGE
LEWIS													
3716*	100	--	--	--	--	--	--	--	--	--	--	--	100
3822*	102	--	--	--	--	--	--	--	--	--	--	--	102
3853*	108	--	--	--	--	--	--	--	--	--	--	--	108
4010*	--	--	96	--	--	--	--	--	--	--	--	--	96
LG SEEDS													
C3031RR*	--	--	--	--	--	--	--	--	--	--	--	98	98
MARYLAND AES													
MANOKIN	--	--	--	--	102	--	--	--	--	--	--	--	102
MFA MORSOY													
RT 3804N*	--	--	--	97	--	--	--	--	--	--	--	--	97
RT 4225N*	--	--	--	91	--	--	--	--	--	--	--	--	91
RT 4485N*	--	--	--	111	--	108	--	--	--	--	--	--	109
RT 4731N*	--	--	--	98	--	--	111	--	--	--	--	--	104
RT 4845N*	--	--	--	97	--	--	86	--	--	--	--	--	91
RT 5043N*	--	--	--	--	--	--	102	--	--	--	--	--	102
RT 5154N*	--	--	--	--	--	--	110	--	--	--	--	--	110
RTS 4824*	--	--	--	112	--	--	111	--	--	--	--	--	111
MIDLAND													
MG3806RR*	--	--	--	--	--	--	--	--	--	98	84	--	91
MG3816NRS*	95	101	--	93	--	--	--	--	--	94	94	--	95
MG3826NRR*	93	88	96	--	--	--	--	--	--	--	--	--	92
MG4106NRR*	--	95	--	102	--	--	--	--	--	--	--	--	98
MG4406NRS*	--	106	73	96	--	--	--	--	--	--	--	--	92
MG4506NRR*	--	--	--	109	--	97	--	--	--	105	113	--	106
MG4806NRS*	--	--	--	--	--	--	107	--	--	102	112	--	107
MG4807XRR*	--	--	--	--	--	--	79	--	--	--	--	--	79
MG9A355XRR*	--	--	--	--	--	--	--	--	--	88	93	--	90
MG9A373NRR*	101	99	--	98	--	--	--	--	--	--	--	--	99
MG9A375XRR*	--	--	--	--	--	--	--	--	--	85	90	--	87
MG9A385NRS*	112	100	132	--	--	--	--	--	--	105	105	--	111
MG9A402NRR*	95	101	--	101	--	--	--	--	--	--	--	--	99
MG9A432NRS*	--	--	--	106	--	105	--	--	--	102	119	--	108
MG9A462NRS*	--	--	--	--	--	93	--	--	--	--	--	--	93
MG9A485XRR*	--	--	--	--	--	--	87	--	--	--	--	--	87
MG9A494XRR*	--	--	--	92	--	--	92	--	--	--	--	--	92
MG9A545NRS*	--	--	--	--	--	--	101	--	--	--	--	--	101
MG9B395NRR*	99	95	--	103	--	--	--	--	--	--	--	--	99
MIDLAND-PHILLIPS													
333RS*	--	--	--	--	--	--	--	106	101	--	--	--	104
346NRR*	--	--	--	--	--	--	--	--	104	--	--	--	104
354RS*	--	--	--	--	--	--	--	--	102	--	--	--	102
366NRS*	--	--	--	--	--	--	--	--	100	--	--	--	100
374NRR*	--	--	--	--	--	--	--	80	100	--	--	--	90
385NRS*	--	--	--	--	--	--	--	109	100	--	--	--	105
MIDWEST SEED													
GR3633*	--	103	107	103	--	--	--	--	--	--	--	--	104
GR4154*	--	105	75	98	--	100	--	--	--	--	--	--	95
GR4454*	--	--	--	--	--	101	--	--	--	--	--	--	101
GR4752*	--	--	--	--	--	--	110	--	--	--	--	--	110
GR5231*	--	--	--	--	--	--	83	--	--	--	--	--	83
GRX48-01-5*	--	--	--	--	--	--	108	--	--	--	--	--	108

(continued)

Table 14. Yield as a Percentage of Test Average from 2005 Tests - continued.

BRAND/NAME	Centralia	Topeka dryland	Topeka irrigated	Ottawa	Columbus SCN	Columbus MG 4	Columbus MG 5	Belleville	Scandia	Hesston	Hutch-inson	Colby	AVERAGE
M-PRIDE													
AxRR53057*	--	--	--	--	--	--	94	--	--	--	--	--	94
AxRR53116*	--	--	--	--	--	--	87	--	--	--	--	--	87
AxRR53386*	--	--	--	--	--	--	101	--	--	--	--	--	101
AxRR53776*	--	--	--	--	--	--	100	--	--	--	--	--	100
AxRR53976*	--	--	--	--	--	102	--	--	--	--	--	--	102
MPV4404NRR*	--	--	--	--	--	101	--	--	--	--	--	--	101
MPV4905NRR*	--	--	--	--	--	--	99	--	--	--	--	--	99
MPV5505NRR*	--	--	--	--	--	--	108	--	--	--	--	--	108
NK													
S29-C9*	--	--	--	--	--	--	--	94	--	--	--	--	94
S30-D4*	--	--	--	--	--	--	--	--	103	--	--	105	104
S32-G5*	--	--	--	--	--	--	--	109	103	--	--	--	106
S35-F9*	101	--	--	--	--	--	--	--	109	--	115	114	110
S37-N4*	95	--	--	--	--	--	--	111	102	--	--	--	102
S39-K6*	99	98	110	87	--	98	--	--	--	--	69	--	94
S40-R9*	96	93	102	--	--	--	--	--	--	103	65	--	92
S42-P7*	--	95	97	90	--	94	--	--	--	--	--	--	94
S43-B1*	--	--	--	--	--	--	--	--	--	104	102	--	103
S46-W8*	--	--	--	83	--	96	--	--	--	87	--	--	89
S49-Q9*	--	--	--	104	--	--	96	--	--	--	--	--	100
S52-U3*	--	--	--	--	--	--	105	--	--	--	--	--	105
S57-P1*	--	--	--	--	--	--	92	--	--	--	--	--	92
OHLDE													
O-3334NRR*	106	--	--	--	--	--	--	109	100	--	--	115	107
O-3494	98	--	107	--	--	--	--	--	103	--	--	--	103
O-3522NRR*	--	--	--	--	--	--	--	98	102	--	--	--	100
O-3712NRR*	--	105	--	99	--	--	--	99	100	113	--	--	103
O-3727NRS*	110	--	111	--	--	--	--	--	100	--	91	--	103
O-3882NRR*	100	--	--	--	--	--	--	89	103	88	104	--	97
O-3932NRR*	--	--	--	95	--	--	--	108	--	--	--	--	101
O-4292*	--	103	96	110	--	--	--	--	--	107	125	--	108
O-4595*	--	102	--	104	--	--	--	--	--	--	--	--	103
PHILLIPS													
366NRS*	--	--	88	--	--	--	--	--	--	--	--	--	88
374NRR*	--	95	111	--	--	--	--	--	--	--	92	--	99
376NRR*	--	102	120	--	--	--	--	--	--	--	--	--	111
385NRS*	--	110	112	103	--	--	--	--	--	102	90	--	103
432NRS*	--	--	--	103	--	--	--	--	--	96	108	--	102
436NRS*	--	--	--	--	--	--	--	--	--	--	103	--	103
465NRR*	--	--	--	98	--	--	--	--	--	103	113	--	105
486NRS*	--	--	--	112	--	--	--	--	--	--	--	--	112
PIONEER BRAND													
92M91*	--	--	--	--	--	--	--	--	--	--	--	77	77
93B36*	--	--	--	--	--	--	--	114	110	--	--	--	112
93B85*	96	--	--	--	--	--	--	--	--	--	107	--	101
93M11*	--	--	--	--	--	--	--	--	--	--	--	90	90
93M50*	--	--	--	--	--	--	--	--	--	--	--	107	107
93M51*	94	--	--	--	--	--	--	106	103	--	85	--	97
93M80*	--	--	--	--	--	--	--	--	--	107	--	--	107
93M92*	103	98	89	97	--	--	--	112	103	--	--	--	100
94B73*	--	--	90	105	--	--	102	--	--	114	--	--	103
94M30*	--	111	101	107	--	--	--	--	--	104	121	--	109
94M50*	--	100	--	--	--	--	--	--	--	--	--	--	100
94M80*	--	--	--	--	93	--	--	--	--	--	--	--	93
95M50*	--	--	--	--	106	--	105	--	--	--	--	--	105

(continued)

Table 14. Yield as a Percentage of Test Average from 2005 Tests - continued.

BRAND/NAME	Centralia	Topeka dryland	Topeka irrigated	Ottawa	Columbus SCN	Columbus MG 4	Columbus MG 5	Belleville	Scandia	Hesston	Hutch-inson	Colby	AVERAGE
PRAIRIE BRAND													
PB-3894NRR*	113	--	--	--	--	--	--	--	--	--	--	--	113
PB-3905RR*	102	--	--	--	--	--	--	--	--	--	--	--	102
PB-4583NRR*	--	--	--	--	--	106	--	--	--	--	--	--	106
PB-5083NRR*	--	--	--	--	--	--	99	--	--	--	--	--	99
RENZE													
R3686RRcn*	98	--	--	--	--	--	--	--	97	--	--	--	97
R3726RR*	103	--	--	--	--	--	--	--	103	--	--	--	103
R3814RR*	100	--	--	--	--	--	--	--	--	--	--	--	100
R3835SRcn*	111	98	--	94	--	--	--	--	--	--	--	--	101
R3996RRcn*	99	93	--	100	--	--	--	--	--	--	--	--	98
R4486RRcn*	102	114	--	102	--	--	--	--	--	--	--	--	106
R4695RRcn*	--	102	--	103	--	--	--	--	--	--	--	--	103
R4836SRcn*	--	121	--	114	--	--	--	--	--	--	--	--	118
STINE													
3532-4*	--	--	102	--	--	--	--	--	--	--	--	--	102
3600-4*	103	--	--	--	--	--	--	--	--	--	--	--	103
3832-4*	--	--	--	--	--	--	--	--	--	115	79	--	97
3932-4*	--	--	110	93	--	--	--	--	--	88	--	--	97
3942-4*	95	--	108	--	--	--	--	--	95	--	--	--	99
4102-4*	--	--	102	--	--	--	--	--	--	--	--	--	102
4302-4*	--	--	--	--	--	--	--	--	--	101	--	--	101
4532-4*	--	--	--	99	86	82	--	--	--	--	111	--	95
4842-4*	--	--	--	--	87	--	98	--	--	--	--	--	92
TAYLOR													
353RR*	--	--	111	--	--	--	--	--	107	--	--	--	109
387RR*	103	--	100	--	--	--	--	--	--	--	--	--	102
398RRS*	108	102	122	--	--	--	--	100	102	--	--	--	107
427RRS*	--	--	--	104	--	--	--	--	--	--	--	--	104
EXP3960-5RR*	99	--	--	--	--	--	--	--	--	--	--	--	99
EXP4400-5RR*	--	--	--	106	--	--	--	--	--	--	--	--	106
VIRGINIA AES													
HUTCHESON	--	--	--	--	102	--	--	--	--	--	--	--	102
WILLCROSS													
RR2335N*	103	--	--	--	--	--	--	--	--	--	--	--	103
RR2355N*	100	--	--	--	--	--	--	--	--	--	--	--	100
RR2383N*	--	101	97	102	--	--	--	--	--	--	--	--	100
RR2385NSTS*	103	--	--	--	--	--	--	--	--	--	--	--	103
RR2386*	106	--	--	--	--	--	--	--	--	--	--	--	106
RR2386NX2*	98	--	--	--	--	--	--	--	--	--	--	--	98
RR2432N*	--	105	90	108	--	104	--	--	--	--	--	--	102
RR2446N*	--	109	95	105	--	109	--	--	--	--	--	--	104
RR2484N*	--	66	77	80	--	--	--	--	--	--	--	--	74
RR2486N*	--	101	81	108	--	--	87	--	--	--	--	--	94
RR2525N*	--	--	--	--	--	--	101	--	--	--	--	--	101
RR2544NSTS	--	--	--	--	--	--	108	--	--	--	--	--	108

Table 15. Description of Entries in 2005 Soybean Performance Tests.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance R1	R3	R4	R14	Source	Phytophthora RR	Tolerance	STS
ADVANCED GENETICS	AG3722NRR*	3.7	P	Bl	--	MR	--	--	--	Rps1c	2.5	--
ADVANCED GENETICS	AG3833NRS*	3.8	W	Bf	--	R	--	--	PI88788	Rps1c	2.2	STS
ADVANCED GENETICS	AG4040NRR*	4.0	P	Ib	--	MR	--	--	--	--	2.5	--
ADVANCED GENETICS	AG4444NRR*	4.4	P	Bl	--	MR	--	MR	--	Rps1a	2.8	--
ADVANCED GENETICS	AG4559NRS*	4.5	P	Bl	--	MR	--	MR	--	--	2.5	STS
ADVANCED GENETICS	AG4880NRS*	4.8	P	Bl	--	--	MR	--	--	Rps1a	2.0	STS
ADVANCED GENETICS	AG5005NRR*	5.0	P	Bl	--	MR	--	MR	--	--	2.2	--
ADVANCED GENETICS	AG5333NRR*	5.3	W	Bf	--	R	--	MR	--	--	2.5	--
ADVANCED GENETICS	AG5440NRS*	5.4	P	Bf	--	R	--	R	--	--	2.5	STS
AGSOURCE	9383*	3.8	P	Bl	--	R	--	MR	PI	--	3.0	STS
AGSOURCE	9436*	4.2	P	Bl	--	R	--	MR	PI	--	3.0	STS
ASGROW	AG3005*	3.0	P	Ib	S	S	S	S	--	Rps1c	5.0	--
ASGROW	AG3305*	3.3	P	Ib	--	R	--	--	PI88788	Rps1c	6.0	--
ASGROW	AG3505*	3.5	P	Ib	--	MR	--	--	PI88788	Rps1k	4.0	--
ASGROW	AG3602*	3.6	P	Ib	--	R	--	--	PI88788	Rps1c	8.0	--
ASGROW	AG3802*	3.8	P	Ib	--	R	--	--	PI88788	Rps1c	6.0	--
ASGROW	AG3905*	3.9	P	Bl	S	R	S	S	PI88788	Rps1c	5.0	--
ASGROW	AG3906*	3.9	P	Bl	--	MR	--	--	PI88788	--	5.0	--
ASGROW	AG4403*	4.4	P	Bl	S	MR	S	S	PI88788	Rps1a	6.0	--
ASGROW	AG4404*	4.4	W	Bl	--	MR	--	--	PI88788	Rps1c	5.0	--
ASGROW	AG4503*	4.5	W	Bl	--	--	--	--	--	Rps1k	5.0	--
ASGROW	AG4703*	4.7	P	Bl	--	--	--	--	--	Rps1a	5.0	--
ASGROW	AG4801*	4.8	W	Bl	--	R	--	--	PI88788	--	6.0	--
ASGROW	AG4903*	4.9	P	Bl	--	--	--	--	--	--	8.0	--
ASGROW	AG5301*	5.3	W	Bf	S	MR	S	R	PI88788	Rps3a	3.0	--
ASGROW	AG5501*	5.5	P	Ib	S	R	S	MR	PI88788	--	3.0	--
ASGROW	AG5605*	5.6	P	Ib	S	R	S	MR	PI88788	--	4.0	--
CROPLAN GENETICS	RC3636*	3.6	P	Bl	--	MR	--	--	PI88788	Rps1k	3.0	--
CROPLAN GENETICS	RC3732*	3.7	P	Ib	--	MR	--	--	PI88788	Rps1c	3.0	--
CROPLAN GENETICS	RC3735*	3.7	P	Ib	--	R	--	R	PI88788	Rps1c	2.0	--
CROPLAN GENETICS	RC4013*	4.0	P	Bl	--	MR	--	MR	PI88788	Rps1k	4.0	--
CROPLAN GENETICS	RC4095*	4.0	W	Bl	--	MR	--	--	PI88788	--	2.0	--
CROPLAN GENETICS	RC4455*	4.4	P	Bl	--	MR	--	MR	PI88788	--	2.0	--
CROPLAN GENETICS	RC4655*	4.6	P	Bl	--	MR	--	--	PI88788	--	2.0	--
CROPLAN GENETICS	RC5455*	5.4	P	Bf	--	R	--	MR	--	Rps1c	4.0	--
CROPLAN GENETICS	RT3555*	3.5	P	Bl	--	--	--	--	--	Rps1k	3.0	--
DEKALB	DKB34-51*	3.4	P	Ib	--	MR	--	--	PI88788	Rps1k	8.0	--
DEKALB	DKB36-52*	3.6	P	Ib	--	R	--	--	PI88788	Rps1c	8.0	--
DEKALB	DKB38-52*	3.8	W	Bf	MR	MR	S	S	PI88788	Rps1c	4.0	--
DEKALB	DKB42-51*	4.2	P	Ib	--	R	--	--	PI88788	Rps1c	5.0	--
DEKALB	DKB44-51*	4.4	P	Bl	S	MR	S	S	PI88788	Rps1a	6.0	STS
DEKALB	DKB46-51*	4.6	W	Bl	S	R	S	R	PI88788	--	4.0	--
DELTAPINE	DP3861RR*	3.8	P	G	--	MR	--	MR	--	rPS1C	2.5	--
DELTAPINE	DP4331RR*	4.3	P	Bf	--	MR	--	MR	--	rPS1A	1.5	--
DRUSSEL SEED	3902RR*	3.9	P	Bl	--	MR	--	--	--	Rps1k	2.3	--
DRUSSEL SEED	DSS 3772RR*	3.7	P	Ib	--	MR	--	--	--	Rps1c	2.2	--
DYNA-GRO	DG 32C38*	3.8	W	Ib	--	R	--	MR	PI88788	Rps1k	2.0	STS
DYNA-GRO	DG 33A37*	3.7	P	Ib	--	R	--	MR	PI88788	Rps1k	1.0	--
DYNA-GRO	DG 3468NRR*	4.6	W	Bl	S	R	S	MR	--	--	3.3	--
DYNA-GRO	DG 35D33*	3.3	P	Ib	--	MR	--	MR	--	Rps1k	--	--
DYNA-GRO	DG 35P29*	2.9	P	Bl	--	R	--	MR	--	--	2.0	--
DYNA-GRO	DG 36M49*	4.9	P	Bl	--	R	--	MR	PI88788	--	8.0	--
DYNA-GRO	DG 37R39*	3.9	P	Bl	--	R	--	MR	PI88788	Rps1k	1.0	--
DYNA-GRO	DG 39G43	4.3	W	Bl	--	R	--	MR	--	Rps1k	--	--
DYNA-GRO	SXO5138*	3.8	P	Bl	--	--	--	--	--	--	3.0	--
GARST	2721RR/N*	2.7	W	Bl	--	R	--	--	PI88788	Rps1c	2.0	--
GARST	2834RR*	2.8	P	Ib	--	--	--	--	--	Rps1k	1.0	--
GARST	3212RR/N*	3.2	P	Bl	S	MR	S	MR	PI88788	Rps1k	3.0	--
GARST	3512RR/N*	3.5	W	Bl	--	MR	--	MS	PI88788	Rps1k	3.0	--
GARST	3535RR/STS*	3.5	P	Ib	S	S	S	S	--	Rpslc	4.0	STS
GARST	3624RR/N*	3.6	P	Ib	--	MR	--	--	PI88788	Rps1c	2.0	--

(continued)

Table 15. Description of Entries in 2005 Soybean Performance Tests - continued.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance R1	R3	R4	R14	Source	Phytophthora RR	Tolerance	STS
GARST	3712RR/N*	3.7	P	Bl	--	MS	--	--	PI88788	Rps1k	3.0	--
GARST	3812RR/N*	3.8	P	Ib	--	MS	--	--	PI88788	--	2.0	--
GARST	3824RR/N*	3.8	W	Bf	--	R	--	MR	PI88788	Rpslc	4.0	--
GARST	4212RR/STS/N*	4.2	P	Bl	--	R	--	MS	PI88788	--	3.0	STS
GARST	4512RR/N*	4.5	P	Bl	--	MS	--	--	PI88788	Rps1a	3.0	--
GARST	4612RR/N*	4.6	P	Bl	--	MR	--	MR	PI88788	--	3.0	--
GARST	4999RR/N*	4.9	W	Bf	--	R	--	MR	PI88788	--	4.0	--
GARST	5412RR/STS/N*	5.4	W	Bf	--	R	--	MR	PI88788	--	4.0	STS
GARST	D484RR/N*	4.8	W	Bl	--	R	--	MR	PI88788	--	3.0	--
HAMON	AG4604N*	4.5	P	Bl	--	R	--	--	P8	--	1.8	--
KANSAS AES	K1463RR*	5.2	W	Bl	R	R	R	--	PI437654	--	--	--
KANSAS AES	K1623RR*	3.3	P	Br	--	S	--	--	--	--	--	--
KANSAS AES	K1630RR*	4.2	W	Br	--	S	--	--	--	--	--	--
KANSAS AES	K1631RR*	4.2	W	Br	--	S	--	--	--	--	--	--
KANSAS AES	K4202RR*	4.2	P	Ib	S	S	S	S	--	--	--	--
KANSAS AES	K4602RR*	4.6	P	Bl	R	R	S	S	PI209332	--	--	--
KANSAS AES	K5502RR*	5.2	P	IB	R	R	R	R	PI437654	--	--	--
KANSAS AES	KS4404RR*	4.4	P	Br	S	S	S	S	--	--	--	--
KANSAS AES	KS4704RR*	4.7	W	Br	S	S	S	S	--	--	--	--
KANSAS AES	KS5004N	5.0	W	Ib	R	R	--	--	PEKING	--	--	--
KRUGER	K-311RR/SCN*	3.1	P	Bl	--	R	--	--	PI88788	Rps1c	4.0	--
KRUGER	K-328RR*	3.2	P	Bl	--	--	--	--	--	Rps1c	4.0	--
KRUGER	K-333RR/SCN*	3.3	W	Bl	--	R	--	--	PI88788	--	--	--
KRUGER	K-341RR/SCN*	3.4	P	Ib	--	R	--	--	PI88788	Rps1k	--	--
KRUGER	K-349RR*	3.4	P	Ib	--	--	--	--	--	Rps1c	5.0	--
KRUGER	K-355RR/SCN*	3.5	W	Bl	--	R	--	--	PI88788	Rps1k	5.0	--
KRUGER	K-373RR/SCN*	3.7	W	Bl	--	R	--	MR	PI88788	Rps1k	3.0	--
KRUGER	K-389RR/SCN*	3.8	W	Bl	--	R	--	--	PI88788	Rps1c	3.0	STS
KRUGER	K-399RR/SCN*	3.9	P	Ib	--	MR	--	--	PI88788	--	3.0	--
KRUGER	K-404RR*	4.0	P	Bl	--	--	--	--	--	Rps1k	5.0	--
KRUGER	K-433RR/SCN*	4.3	P	Br	--	R	--	--	PI88788	--	--	--
KRUGER	K-473RR/SCN*	4.8	W	Bl	--	R	--	--	PI88788	--	--	--
KSOY	KS4602N	4.7	P	Bl	R	R	S	S	PI209332	S	--	--
KSOY	KS5502N	5.2	P	Ib	R	R	R	R	PI437654	S	--	--
LEWIS	3716*	3.7	--	--	--	--	--	--	--	--	--	--
LEWIS	3822*	3.8	--	--	--	--	--	--	--	--	--	--
LEWIS	3853*	3.8	W	Bu	S	MR	MR	MR	PI88788	Rps1c	2.0	STS
LEWIS	4010*	4.0	W	Br	S	R	MR	MR	PI88788	--	3.0	--
LG SEEDS	C3031RR*	3.0	P	Bl	--	--	--	--	--	Rps1k	2.0	--
MARYLAND AES	MANOKIN	5.0	W	Bl	R	R	--	S	PEKING	S	--	--
MFA MORSOY	RT 3804N*	3.8	W	Bf	MR	MR	MR	MR	PI88788	Rps1c	1.5	--
MFA MORSOY	RT 4225N*	4.2	W	Br	MR	R	MR	R	PI88788	--	3.0	--
MFA MORSOY	RT 4485N*	4.4	P	Br	R	R	MR	MR	PI88788	--	2.0	--
MFA MORSOY	RT 4731N*	4.7	W	Bl	MR	MR	MR	MR	PI88788	--	2.0	--
MFA MORSOY	RT 4845N*	4.8	W	Bl	R	MR	MR	MR	PI88788	Rps1a	2.0	--
MFA MORSOY	RT 5043N*	5.0	P	Bl	R	R	R	R	PI88788	--	1.8	--
MFA MORSOY	RT 5154N*	5.1	P	Bl	MR	R	MR	MR	PI88788	--	2.0	--
MFA MORSOY	RTS 4824*	4.8	P	Bl	S	S	S	S	--	Rps1a	1.9	STS
MIDLAND	MG3806RR*	3.8	--	--	--	--	--	--	--	--	--	--
MIDLAND	MG3816NRS*	3.8	--	--	MR	--	--	--	PI88788	--	1.5	--
MIDLAND	MG3826NRR*	3.8	--	--	--	R	--	MR	PI88788	Rps1c	--	--
MIDLAND	MG4106NRR*	4.1	--	--	--	MR	--	--	PI88788	--	1.8	--
MIDLAND	MG4406NRS*	4.4	--	--	--	R	--	--	PI88788	--	1.7	STS
MIDLAND	MG4506NRR*	4.5	--	--	--	R	--	MR	--	--	2.0	STS
MIDLAND	MG4806NRS*	4.8	--	--	--	MR	--	MR	PI88788	Rpa1a	--	STS
MIDLAND	MG4807XRR*	4.8	--	--	R	R	R	R	PuSCN-14	--	--	--
MIDLAND	MG9A355XRR*	3.5	W	Bf	R	R	R	R	PuSCN-14	--	--	--
MIDLAND	MG9A373NRR*	3.7	--	--	MR	MR	--	--	PI88788	Rps1c	2.2	--
MIDLAND	MG9A375XRR*	3.7	W	Bf	R	R	R	R	PuSCN-14	--	--	--
MIDLAND	MG9A385NRS*	3.8	W	Bf	--	R	--	--	PI88788	Rps1c	1.7	STS
MIDLAND	MG9A402NRR*	4.0	W	Bf	--	R	--	--	--	--	2.1	--

(continued)

Table 15. Description of Entries in 2005 Soybean Performance Tests - continued.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance R1	R3	R4	R14	Source	Phytophthora RR	Tolerance	STS
MIDLAND	MG9A432NRS*	4.3	P	Ib	S	R	S	MR	PI88788	--	1.8	STS
MIDLAND	MG9A462NRS*	4.6	P	Bl	S	R	S	MR	PI88788	--	1.8	STS
MIDLAND	MG9A485XRR*	4.8	W	--	R	R	R	R	PuSCN-14	--	--	--
MIDLAND	MG9A494XRR*	4.9	P	--	R	R	--	R	PuSCN-14	--	1.6	--
MIDLAND	MG9A545NRS*	5.4	P	Bf	--	R	--	MR	PI88788	Rps1c	2.5	STS
MIDLAND	MG9B395NRR*	3.9	W	Br	--	R	--	--	PI88788	Rps1a	--	--
MIDLAND-PHILLIPS	333RS*	3.3	P	Ib	--	--	--	--	--	Rps1c	1.8	--
MIDLAND-PHILLIPS	346NRR*	3.4	P	Ib	--	R	--	--	--	--	1.6	--
MIDLAND-PHILLIPS	354RS*	3.5	P	Ib	--	--	--	--	--	Rps1c	1.8	--
MIDLAND-PHILLIPS	366NRS*	3.6	P	Ib	--	MR	--	--	--	--	1.5	--
MIDLAND-PHILLIPS	374NRR*	3.7	P	Ib	--	MR	--	MR	PI88788	Rps1c	2.2	--
MIDLAND-PHILLIPS	385NRS*	3.8	W	Bf	--	--	--	--	--	Rps1c	1.7	--
MIDWEST SEED	GR3633*	3.6	P	Ib	--	R	--	R	PI88788	Rps1c	3.0	--
MIDWEST SEED	GR4154*	4.1	W	Br	--	R	--	R	PI88788	Rps1a	3.0	--
MIDWEST SEED	GR4454*	4.4	P	Bl	--	R	--	R	PI88788	--	3.0	--
MIDWEST SEED	GR4752*	4.7	W	Bl	--	R	--	R	PI88788	--	3.0	--
MIDWEST SEED	GR5231*	5.2	--	--	--	R	--	R	PI88788	Rps1c	3.0	--
MIDWEST SEED	GRX48-01-5*	4.8	P	Bl	--	--	--	--	--	Rps1a	3.0	--
M-PRIDE	AxRR53057*	4.8	P	Bl	--	--	--	--	--	--	1.8	--
M-PRIDE	AxRR53116*	5.2	P	Bl	--	R	--	R	--	--	1.8	--
M-PRIDE	AxRR53386*	4.9	W	Bl	--	R	--	R	--	--	1.8	--
M-PRIDE	AxRR53776*	4.7	W	Bl	--	R	--	R	--	--	1.8	--
M-PRIDE	AxRR53976*	4.5	W	Bl	--	R	--	--	--	--	1.8	--
M-PRIDE	MPV4404NRR*	4.4	P	Bl	--	R	--	R	--	Rps1a	--	--
M-PRIDE	MPV4905NRR*	4.9	P	Bl	--	R	--	--	PI88788	--	1.8	--
M-PRIDE	MPV5505NRR*	5.5	W	Bf	--	MR	--	--	--	--	1.8	--
NK	S29-C9*	2.9	W	Br	S	S	S	S	--	--	4.0	--
NK	S30-D4*	3.0	W	Bl	--	--	--	--	--	Rps1a	4.0	--
NK	S32-G5*	3.2	P	Ib	S	S	S	S	--	Rps1c	3.0	--
NK	S35-F9*	--	W	Bl	--	R	--	MR	--	Rps1c	4.0	--
NK	S37-N4*	3.7	W	Bl	--	R	--	MR	--	Rps1c	3.0	--
NK	S39-K6*	3.9	P	Bl	--	R	--	MR	--	--	3.0	--
NK	S39-Q4*	3.9	P	Br	S	S	S	S	--	Rps1c	4.0	--
NK	S40-R9*	4.0	P	Bl	--	R	--	MR	--	--	3.0	--
NK	S42-P7*	4.2	W	Bl	--	R	--	MR	--	--	3.0	--
NK	S43-B1*	4.3	P	Br	--	R	--	MR	--	Rps1c	3.0	--
NK	S46-W8*	4.3	P	Bl	--	R	--	MR	--	Rps1c	4.0	--
NK	S49-Q9*	4.9	P	Ib	MR	R	--	MR	--	Rps1c	3.0	--
NK	S52-U3*	5.2	W	Bf	--	R	--	R	--	--	3.0	--
NK	S57-P1*	5.3	P	Ib	R	R	--	MR	--	--	4.0	STS
OHLDE	O-3334NRR*	3.3	P	Ib	S	MR	S	S	PI88788	Rps1k	1.8	--
OHLDE	O-3494	3.4	P	Ib	S	R	S	R	PI88788	Rps1k	1.5	--
OHLDE	O-3522NRR*	3.5	P	Bl	S	MR	S	MR	PI88788	Rps1c	2.0	--
OHLDE	O-3712NRR*	3.7	P	Bl	S	MR	S	S	PI88788	--	1.4	--
OHLDE	O-3727NRS*	3.7	W	Ib	S	MR	MR	MR	PI88788	Rps1c	2.0	STS
OHLDE	O-3882NRR*	3.8	P	Bl	S	R	MR	MR	PI88788	Rps1k	2.0	--
OHLDE	O-3932NRR*	3.9	P	Bl	S	R	S	MR	PI88788	--	1.5	--
OHLDE	O-4292*	4.2	P	Bl	S	R	S	MR	PI88788	--	1.7	STS
OHLDE	O-4595*	4.5	P	Br	S	R	S	MR	PI88788	--	2.0	--
PHILLIPS	366NRS*	3.6	P	Ib	--	MR	--	--	--	--	1.5	--
PHILLIPS	374NRR*	3.7	P	Ib	--	MR	--	MR	--	Rps1c	2.2	--
PHILLIPS	376NRR*	3.7	P	B	--	--	--	--	--	--	1.9	--
PHILLIPS	385NRS*	3.8	W	Bf	--	--	--	--	--	--	1.7	--
PHILLIPS	432NRS*	4.3	P	Ib	--	R	--	MR	--	--	1.8	--
PHILLIPS	436NRS*	4.3	W	B	--	R	--	--	--	--	1.7	--
PHILLIPS	465NRR*	4.6	P	Bl	--	--	--	--	--	--	1.8	--
PHILLIPS	486NRS*	4.8	P	B	--	MR	--	MS	--	Rps1a	1.8	--
PIONEER BRAND	92M91*	2.9	P	Bl	S	S	NR	S	--	Rps1k	--	--
PIONEER BRAND	93B36*	3.3	P	Bl	S	S	NR	S	--	Rps1k	5.0	--
PIONEER BRAND	93B85*	3.8	P	Bl	MS	R	NR	MR	PI88788	--	3.0	--
PIONEER BRAND	93M11*	3.1	P	Bl	S	S	NR	S	--	Rps1k	5.0	--
PIONEER BRAND	93M50*	3.5	W	Bl	S	R	NR	R	PI88788	Rps1k	4.0	--

(continued)

Table 15. Description of Entries in 2005 Soybean Performance Tests - continued.**

BRAND	NAME	Maturity Group	Flower color	Hilum color	SCN Resistance R1	R3	R4	R14	Source	Phytophthora RR	Tolerance	STS
PIONEER BRAND	93M51*	3.5	P	Bl	S	R	NR	MR	PI88788	--	--	--
PIONEER BRAND	93M80*	3.8	P	Ib	S	R	NR	MR	PI88788	Rps1c	4.0	--
PIONEER BRAND	93M92*	3.9	W	Bl	S	S	NR	S	--	Rps1k	5.0	--
PIONEER BRAND	94B73*	4.7	P	Bl	S	S	NR	S	--	Rps1k	6.0	--
PIONEER BRAND	94M30*	4.3	W	Bl	S	R	NR	NR	PI88788	Rps1k	--	--
PIONEER BRAND	94M50*	4.5	W	Bl	S	R	NR	MR	PI88788	Rps1c	--	--
PIONEER BRAND	94M80*	4.8	W	Bl	S	R	NR	MR	PI88788	--	--	--
PIONEER BRAND	95M50*	5.5	P	Ib	S	R	NR	S	PI88788	--	2.0	STS
PRAIRIE BRAND	PB-3894NRR*	3.8	W	Bf	S	R	S	S	PI88788	Rps1c	5.0	STS
PRAIRIE BRAND	PB-3905RR*	3.9	P	Bl	S	S	S	S	PI88788	--	5.0	--
PRAIRIE BRAND	PB-4583NRR*	4.5	P	Bl	S	R	S	S	PI88788	--	6.0	STS
PRAIRIE BRAND	PB-5083NRR*	4.9	P	Bl	S	R	S	S	PI88788	--	6.0	--
RENZE	R3686RRcn*	3.6	P	Ib	--	R	MR	MR	PI88788	Rps1k	3.0	--
RENZE	R3726RR*	3.7	P	Bl	--	--	--	--	--	--	4.0	--
RENZE	R3814RR*	3.8	P	Bl	--	--	--	--	--	Rps1k	4.0	--
RENZE	R3835SRcn*	3.8	W	Bf	--	R	MR	MR	PI88788	Rps1c	4.0	STS
RENZE	R3996RRcn*	3.9	W	Br	--	R	MR	MR	PI88788	Rps1a	4.0	--
RENZE	R4486RRcn*	4.4	P	Br	--	R	MR	MR	PI88788	--	5.0	--
RENZE	R4695RRcn*	4.6	P	Bl	--	R	MR	MR	PI88788	--	4.0	--
RENZE	R4836SRcn*	4.8	P	Bl	--	MR	--	--	PI88788	Rps1a	4.0	STS
STINE	3532-4*	3.5	W	Bl	--	R	R	--	PI88788	Rps1k	2.0	--
STINE	3600-4*	3.6	P	Bl	--	--	--	--	--	--	2.0	--
STINE	3832-4*	3.9	P	Bl	--	R	R	--	PI88788	Rps1k	2.0	--
STINE	3932-4*	3.9	P	Bl	--	R	R	--	PI88788	Rps1k	2.0	--
STINE	3942-4*	3.8	P	Bl	--	R	R	--	PI88788	--	2.0	STS
STINE	4102-4*	4.0	P	Bl	--	R	R	--	PI88788	--	2.0	STS
STINE	4302-4*	4.3	P	Br	--	R	R	--	PI88788	--	2.0	--
STINE	4532-4*	4.5	W	Bl	--	R	R	--	PI88788	Rps1a	2.0	--
STINE	4842-4*	4.7	P	Bl	--	R	R	--	PI88788	--	2.0	--
TAYLOR	353RR*	3.6	--	--	S	MR	S	MR	PI88788	Rps1a	2.5	--
TAYLOR	387RR*	3.9	--	--	S	S	S	S	--	Rps1k	2.0	--
TAYLOR	398RRS*	3.9	--	--	S	R	S	MR	PI88788	Rps1c	2.0	STS
TAYLOR	427RRS*	4.2	--	--	S	R	S	MR	PI88788	Rps1a	2.0	STS
TAYLOR	EXP3960-5RR*	3.9	--	--	S	R	S	MR	PI88788	Rps1c	2.0	--
TAYLOR	EXP4400-5RR*	4.4	--	--	S	R	S	MR	PI88788	Rps1a	2.0	--
VIRGINIA AES	HUTCHESON	5.2	W	Bf	S	S	S	S	--	S	--	--
WILLCROSS	RR2335N*	3.3	P	Ib	--	MR	--	--	PI88788	Rps1k	3.0	--
WILLCROSS	RR2355N*	3.5	P	Ib	MR	R	--	--	PI88788	Rps1c	3.1	--
WILLCROSS	RR2383N*	3.8	P	Bl	--	R	--	R	PI88788	Rps1k	1.6	--
WILLCROSS	RR2385NSTS*	3.8	W	Bf	--	--	--	--	PI88788	Rps1c	2.9	STS
WILLCROSS	RR2386*	3.8	P	Bl	--	--	--	--	--	--	3.0	--
WILLCROSS	RR2386NX2*	3.8	P	Bl	--	--	--	--	PI88788	--	--	--
WILLCROSS	RR2432N*	4.3	P	TW	--	R	--	R	PI88788	Rps1a	1.8	--
WILLCROSS	RR2446N*	4.4	P	Bf	--	--	--	--	PI88788	--	1.9	--
WILLCROSS	RR2484N*	4.8	W	TW	--	R	--	R	PI88788	--	2.2	--
WILLCROSS	RR2486N*	4.8	W	Bl	--	--	--	--	PI88788	Rps1a	1.8	--
WILLCROSS	RR2525N*	5.2	W	Bf	--	R	--	--	PI88788	--	2.0	--
WILLCROSS	RR2544NSTS	5.4	W	Bf	--	R	--	R	PI88788	--	2.5	STS

* Roundup®-resistant variety

**Flower color: P=purple, W=white, M=mixed

Hilum color: BL=black, IB=imperfect black, BR=brown, BF=buff, G=grey, Y=yellow, M=mixed

SCN Resistance: R1, R3, R4, and R14 = Race 1, 3, 4, and 14, respectively, S=susceptible, R=resistant, MR=moderately resistant

Phytophthora Root Rot: RR=race resistance (major genes), H=heterogeneous; Tolerance=field tolerance score, 1=excellent to 9=poor

STS=sulfonylurea herbicide tolerant

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

All information supplied by entrant.

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

The URL is ***www.ksu.edu/kscpt***.

Excerpts from the
University Research Policy Agreement with Cooperating Seed Companies*

Permission is hereby given to Kansas State University to test varieties and/or hybrids designated on the attached entry forms in the manner indicated in the test announcements. I certify that seed submitted for testing is a true sample of the seed being offered for sale.

I understand that all results from Kansas Crop Performance Tests belong to the University and the public and shall be controlled by the University so as to produce the greatest benefit to the public. Performance data may be used in the following ways: 1) Tables may be reproduced in their entirety provided the source is referenced and data are not manipulated or reinterpreted; 2) Advertising statements by an individual company about the performance of its entries may be made as long as they are accurate statements about the data as published, with no reference to other companies' names or cultivars. In both cases, the following must be included with the reprint or ad citing the appropriate publication number and title: "See the official Kansas State University Agricultural Experiment Station and Cooperative Extension Service Report of Progress 951 '2005 Kansas Performance Tests with Corn Hybrids,' or the Kansas Crop Performance Test Web site, *www.ksu.edu/kscpt,* for details. Endorsement or recommendation by Kansas State University is not implied."

Contributors

Main Station, Manhattan
William T. Schapaugh, Jr., Professor (Senior Author)
Kraig Roozeboom, Agronomist

Experiment Fields
Patrick Evans, Colby
James Long, Columbus
Monty Spangler, Garden City

Research Centers
Mark Claassen, Hesston
W. Barney Gordon, Belleville and Scandia
William Heer, Hutchinson
James Kimball, Ottawa
Larry Maddux, Topeka

NOTE: Trade names are used to identify products.
No endorsement is intended, nor is any criticism implied of similar products not named.

This Report of Progress was edited, designed, and printed by the Department of Communications at Kansas State University

Kansas State University Agricultural Experiment Station and Cooperative Extension Service, Manhattan 66506

SRP 951 December 2005