

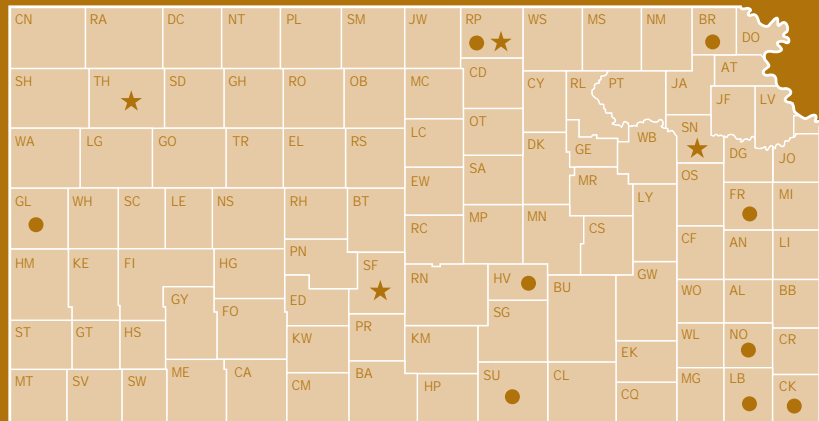
1999

KANSAS PERFORMANCE TESTS WITH

SOYBEAN VARIETIES

REPORT OF PROGRESS 845

Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service



● dryland

★ irrigated

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1999 KANSAS SOYBEAN PERFORMANCE TESTS

INTRODUCTION

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 certified growers, agricultural experiment stations, and private seed companies (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 public and private 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. A few non-Roundup-resistant varieties, which received standard herbicides, were included in most of these separate trials as checks. 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. Harvested row lengths ranged from 13 to 32 feet, depending on location. Cultural practices used and rainfall received at each test location are given in Table 2. Results from this year's tests are presented in Tables 3 through 24. Relative yields of each entry from all locations are shown in Table 25. Results of the tests also can be found at the Kansas crop performance tests' homepage: <http://www.ksu.edu/kscpt>.

For the past several years, Experiment Station personnel have conducted trials to evaluate the performance of soybean varieties when grown in soil infested with soybean cyst nematode (SCN). A summary of results for the past 4 years is included in Table 12 (Cherokee County). Entries resistant and susceptible to SCN are evaluated in these trials. Two additional trials also from southeast Kansas, a river-bottom test (Table 23) and a double-cropped test (Table 24) are included in the report this year.

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 1 week of good drying weather after maturing is needed

before soybeans are ready to harvest.

Lodging is rated at maturity by the following scores:

- 1 - Almost all plants erect
- 2 - All plants slightly leaning or a few plants down
- 3 - All plants leaning moderately (45%) or 25 to 50% of plants down
- 4 - All plants leaning considerably or 50 to 80% 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 2 or more years across locations. Performance averaged over several years will provide a better estimate of genetic potential and stability than will 1 year's information.

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.

At a few sites where entries were grouped and could be analyzed by maturity, an

additional LSD value is listed at the bottom of the table. This LSD value can be used to compare the yields of entries in different maturity groups. For example, the yield of an entry in the group III test at Harvey County can be compared with the yield of an entry in the group IV test at the same location to determine if they are statistically different.

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.

1999 ENVIRONMENTAL FACTORS

Brown County: Above-normal rainfall was received at this location during the early portion of the growing season, but then conditions were dry throughout pod-fill. Limited, but beneficial, rainfall in August and early September enabled a few of the entries to produce yields near 40 bushels per acre.

Shawnee County: Good growing conditions occurred early in the season. Conditions became dry in August and September, but application of irrigation water resulted in higher yields than in 1998.

Franklin County: Rainfall was above normal during the early portion of the growing season, but moisture was limiting through most of the reproductive period. Dry

conditions prevailed during the latter portion of August and early September, but rainfall resumed in September and permitted the plants to complete pod-fill in a fairly normal manner.

Cherokee County: For the second season in a row, the southeast locations experienced severe drought. Late-summer rains benefited the maturity group V entries in the Cherokee Roundup-resistant test. The soybean cyst nematode and standard trials near Columbus did not receive timely rain during pod-fill.

Republic County: Both the Belleville and Scandia locations experienced a dry growing season, but both irrigated and dryland yields were good. Irrigated yields at the Scandia site averaged over 8 bushels per acre more than in 1998, and yields at the Belleville dryland site were over 7 bushels per acre higher than yields last year.

Harvey County: During the spring, temperatures were below normal, and rainfall was well above average. Summer temperatures averaged near to or below normal. However, below-average rainfall in July, coupled with high temperatures late in the month, resulted in severe drought stress. August also presented stressful conditions with rainfall somewhat below normal. September became unusually wet. October turned very dry and allowed for excellent harvest conditions following a light frost on October 4th and a killing frost on October 18th. No disease or insect infestations of significance were noted.

Sumner County: From planting to harvest, this location received minimal rainfall. With average to above-average temperatures and below-average precipitation, this test experienced moderate to severe drought stress throughout the growing season.

Stafford County: Plant development and

yield potential were much improved in this season compared to the performance in 1998.

Thomas County: Good growing conditions existed at this site with above-normal rainfall throughout June, July, and August. Heavy rain totaling 3.5 inches and hail on June 11 did result in approximately 15% leaf loss, but impact on final seed yields appeared negligible.

Finney County: Both the standard and Roundup-resistant trials received a severe hailstorm on July 1, which totally destroyed the canopy of many entries and adversely affected all the plots. Results are not included in this year's report.

Ellis County: Environmental conditions and rodents destroyed many of the plots, forcing us to abandon the trial. No results are included in the report.

Greeley County: Overall growing conditions were good with above-normal rainfall in July and August during pod-fill.

TABLE 1. SUMMARY OF ENTRANTS AND ENTRIES IN PERFORMANCE TESTS

ENTRANT	BRAND OR ENTRY
Illinois A.E.S. and USDA-ARS	Macon, Williams 82
Iowa A.E.S.	IA2021, IA3010
Kansas A.E.S.	Crawford, K1380, K1401, K1410, K1423, K1424, K1425, KS3494, KS4694, KS4895, KS4997, KS5292
Maryland A.E.S.	Manokin, MD92-5769
Missouri A.E.S.	Anand, Delsoy 4710, Delsoy 5500, Delsoy 5710, Hartwig
Ohio A.R.D.C. and USDA-ARS	Flyer, Resnik, Stressland, Sherman, HS93-4118
Virginia A.E.S.	Hutcheson
Advanced Genetics Box 414 (Adv. Genetics) Beloit, KS 67420 phone: 785-738-5776 fax: 785-738-2688	AG3630STS, AG3667RR, AG3797RR, AG3886RR, AG3920, AG3944NRR, AG3957RR, AG4188STS, AG4437RR, AG5277RR, DS 390, DS410, DS454, DS466, DS485
Agribiotech (Hytest) 120 Corporate Park Drive Henderson, NY 89014 phone: 702-566-2440 fax: 702-566-2450	HTS3600RR, HTS3820, HTS4000RR, HTS4220, HTS4301RR, HTS4610, HTS4800RR, HTS5005
Asgrow Seed Co. (Asgrow) 4101 114th St. Des Moines, IA 50322 phone: 1-800-828-9283 fax: 1-515-331-7160	A5404, AG2903, AG3002, AG3003, AG3302, AG3303, AG3701, AG3702, AG4101, AG4301, AG4402, AG4702, AG5401
Dairyland Seed Co., Inc. (Dairyland) 3570 Hwy H, P.O. Box 958 West Bend, WI 53095 phone: 1-800-236-0163 fax: 1-414-626-2281	DSR-381RR, DSR-421
Deltapine Seed (Deltapine Seed) P.O. Box 157 Scott, MS 38772 phone: 1-800-321-8989	DP3478, DP4344RR, DP 4690RR, DP 4750RR, DS 4909
U.A.P.-Pueblo (Dyna-Gro) P.O. Box 1279, 2502 John St. Garden City, KS 67846 phone: 316-275-6127 fax: 316-275-1052	DG-3306RR, DG-3312RR, DG-3331N, DG-3334RR, DG-3370RR, DG-3372NRR, DG-3388RR, DG-3394RR, DG-3395, DG-3401NRR, DG-3402STS, DG-3424RR, DG-3438N, DG-3442NRR, DG-3444N, DG-3468NRR
Fontanelle Hybrids (Fontanelle) 10981 8 St. Nickerson, NE 68044-9706 phone: 402-721-1410 fax: 402-721-0828	9765RR
Garst Seed Co. (Garst) P.O. Box 300 Coon Rapids, IA 50058 phone: 816-220-2629 fax: 816-220-2491	D305 RR, D350, D355RR, D370RR, D376RR, D398, D399RR/N, D437RR/N, D445/N, D450RR/N, D484RR/N, DEX9385 EXP
Hamon Seed Farms (Hamon) 5557 190th St. Valley Falls, KS 66088 phone: 785-945-3584 fax: 785-945-3588	H-427, H-447

(CONTINUED)

TABLE 1. SUMMARY OF ENTRANTS AND ENTRIES IN PERFORMANCE TESTS. (CONTINUED)

ENTRANT	BRAND OR ENTRY
Hoegemeyer Hybrids (Hoegemeyer) 1755 Hoegemeyer Rd. Hooper, NE 68031 phone: 402-654-3399 fax: 402-654-3342	333, 346RR, 379, 389RR, 401, 402STS, 407NRR, 428RR, 451SCN, EXP 443RR
Lewis Hybrids, Inc. (Lewis) P.O. Box 38, West Maple St. Ursa, IL 62376 phone: 217-964-2131 fax: 217-964-2232	3816RR, 3999RR, 4392RR
Merschman Seeds (Merschman) 103 Ave. D West Point, IA 52656 phone: 800-848-7333 fax: 319-837-6104	Phoenix IIRR, Washington VIIRR
Midland Genetics Group (Midland) 1906 Kingman Rd. Ottawa, KS 66067 phone: 785-242-3598 fax: 785-242-1029	8287, 8322RR, 8334, 8336N, 8355, 8371, 8376N, 8382RR, 8388, 8390RR, 8393, 8394RR, 8396STS, 8398, 8410, 8411BRR, 8411RR, 8421, 8422RR, 8431, 8450STS, 8475, 8486, 8530, 8540RR, 9A270RR, 9A280RR, 9A320STS, 9A340NRR, 9A360RR, 9A430RR, 9E320RR, 9G350STS, 9G370RR, XA350, XA370RR, 9A380RR(XA380RR), XA400RR, XA420N, XA421RR, XA440NRR, XA450, XA480NRR, XA520N, 9B350RR(XB350RR), XB370N, XB380, XB480RR, XE370RR, XE480
Midwest Premium Genetics (M-Pride) 101 N.E. Davis Rd., P.O. Box 688 Concordia, MO 64020 phone: 660-463-7333 fax: 660-463-7171	MPU398NRR, MPU437NRR, MPU457NRR, MPU537NRR
Midwest Seed Genetics (Midwest Seed Genetics) P.O. Box 518 Carroll, IA 51401 phone: 712-792-6691 fax: 712-792-6725	G 3844S, G 3922NRR, G 3925RR, G 3996
Monsanto Global Seed Group 3100 Sycamore Road (Dekalb) Dekalb, IL 60115 phone: 815-758-3461 fax: 815-899-7619	CX285RR, CX300, CX367cRR, CX377, CX392RR, CX400, CX444cRR, CX496c, CX566cRR
Mycogen Seeds (Mycogen, Atlas) 1340 Corporate Center Curve Eagan, MN 55121-1233 phone: 800-380-7282 fax: 651-405-5957	Mycogen: 5383, 5404 Atlas: 5316RR, 5370RR, 5441NRR
NC+ Hybrids (NC+) Box 4408 Lincoln, NE 68504 phone: 402-467-2517 fax: 402-467-4217	2A88RR, 2A97RR, 2A99, 3A19RR, 3A26, 3A30, 3A77RR, 3A82STS, 3A87, 3A99RR, 4A10, 4A29RR, 4A47, 4N26, 4N49RR, 4N79RR, 5A44
Novartis Seeds Inc. (NK) 1060 Wheatland Dr. Buhler, KS 67522 phone: 316-543-2707 fax: 316-543-2811	S33-P2, S39-D9, S42-M1, S43-B5, S46-W8, S51-T1, S57-11, S59-V6, X9930RR, X9934RR

(CONTINUED)

TABLE 1. SUMMARY OF ENTRANTS AND ENTRIES IN PERFORMANCE TESTS. (CONTINUED)

ENTRANT	BRAND OR ENTRY
Pioneer Hi-Bred Int'l., Inc. (Pioneer) 1616 S. Kentucky, Suite C-150 Amarillo, TX 79102 phone: 806-356-0160 fax: 806-356-0185	9344, 93B01, 93B34, 93B41, 93B51, 93B53, 93B82, 93B84, 9492, 94B01, 95B33, 95B71
Prairie Brand Seed Co. 15 X Avenue (Prairie Brand) Story City, IA 50248 phone: 800-544-8751 fax: 515-733-2219	PB-3515RR, PB-3770RR, PB-3930RR, PB-4100RR
Renze Hybrids, Inc. (Renze) 27410 Kittyhawk Ave. Carroll, IA 51401 phone: 712-669-3301 fax: 712-669-3336	EX3101R EXP, R3300R, R3500R, R3890Rcn
Stine Seed Co. (Stine) 2225 Laredo Trail Adel, IA 50003 phone: 515-677-2605 fax: 515-677-2716	3203-4, 3293-4, 3398-8, 3503-4, 3700-4, 3870-0, 4001-4, 4292-4, 4702-2, 4802-4, X3900
Taylor Seed Farms, Inc. (Taylor) 2467 HWY 7 White Cloud, KS 66094 phone: 785-595-3236 fax: 785-595-3316	355RR, 385RR, 390RR, 394RR, 396, 415RR, 445RR, 471, 488RR
Terra Industries Inc. (Terra) P.O. Box 6000 Sioux City, IA 51102-6000 phone: 712-277-1340 fax: 712-233-5514	TS336RR, TS348, TS3680RR, TS387, TS387RR, TS396RR, TS415, TS4280RR, TS438, TS466RR, TS4792, TS556RR
Triumph Seed Co., Inc. P.O. Box 1050 (Triumph) Ralls, TX 79357 phone: 806-253-2584 fax: 806-253-4012	TR3519RR, TR3939RR, TR4319RR, TR4339RR, TR4718RR, TR5409RR
United Suppliers, Inc. (U.S. Seeds) 30473 260th Street, P.O. Box 538 Eldora, IA 50627 phone: 515-858-2341 fax: 515-858-5493	US S3209RR, US S339, US S3609RR, US S369STS, US S380, US S3909RR, US S399STS, US S350, US S4409RR, US S4809RR
W.S.D.A. (Willcross) P.O. Box 560 Garden City, MO 64747 phone: 816-862-6002 fax: 816-862-8206	9477, 9449NSTS, 9450NSTS, 9640, 9738, 9940N, 9947N, 9951N, RR2300, RR2320N, RR2338, RR2350, RR2357, RR2368, RR2388N, RR2397, RR2449N, RR2467N, RR2469N, RR2480, RR2490N, RR2517N, RR2520N
Wilfarm LLC (Wilfarm) 5401 N. Oak Trafficway Gladstone, MO 64118 phone: 816-459-3823 fax: 816-459-3740	WF370RR, WF480RR
Wilson Seeds, Inc. (Wilson) P.O. Box 391 Harlan, IA 51537 phone: 712-755-3841 fax: 712-755-5261	E9370 RR

TABLE 2. LOCATIONS, CULTURAL PRACTICES, AND RAINFALL FOR 1999 SOYBEAN PERFORMANCE TESTS.

COUNTY: DRYLAND

ITEM	BROWN	FRANKLIN	CHEROKEE	CHEROKEE†	REPUBLIC	HARVEY	SUMNER	GREELEY
Cooperator	L. Maddux (785) 474-3469	K. Janssen (785) 242-5616	J. Long (316) 421-4826	J. Long (316) 421-4826	B. Gordon (785) 335-2836	M. Claassen (316) 327-2547	B. Schapaugh (785) 532-7242	A. Schlegel (316) 376-4761
Station or field	Powhattan	Ottawa	Columbus	Pittsburg	Belleville	Hesston	Caldwell	Tribune
Soil: texture	Silty clay loam	Silt loam	Silt loam	Silt loam	Silt loam	Silty loam	Silt Loam	Silt loam
pH	6.5	---	6.2	7.0 (RR)	6.1	6.5	5.2	7.6
Organic matter (%)	1.7	—	1.7	2.1 (RR)	2.5	2.2	1.7	---
P test	M	—	M	M (RR)	H	H	M	M
K test	H	—	L	M (RR)	VH	VH	H	---
Planting date	5/27	6/9	6/8	6/8(SCN) 6/14(RR)	5/27	5/13	6/7	6/1
Herbicides ** (per acre)	1.75 pt. Frontier, 1.4 oz. Pur.(ST); 1.5 pt Roundup (RR)	3 pt. Squad. (ST); 1 qt. Roundup (RR)	3 pt. Squad. (ST)	3 pt. Squad.(SCN) 1.5 pt. Roundup (RR)	.5 lb Sencor 1.5 pt. Dual	2.8 oz. Scep. 1.1 pt. Dual (ST); 1 qt. Roundup (RR)		1 qt. Roundup
Fertilizers (lbs/a)	none	none	15N, 60P, 60K	12N, 48P, 48K	none	none	9N, 26P	80 N
Test avg. (bu/a)								
Standard	34.9 (11.5)	41.3 (8.0)		20.8 (11.2)	44.4 (7.4)		15.2 (16.8)	
MG III						18.9 (20.0)		
MG IV			15.8 (15.3)			14.7 (19.2)		
MG V			18.5 (13.9)					
Roundup resistant	35.3 (9.8)	39.4 (7.3)						24.1 (9.2)
MG III						22.1 (21.4)		
MC IV				25.5 (10.1)		18.7 (19.8)		
MG V				30.2 (10.7)				
Row length (ft)	13	30	14	14	20	25	15	32
Seeding rate (seeds/ft)	8	8	8	8	10	8	7	8
Rows harvested	2	2	2	2	2	2	2	2
Rainfall (R) or Irrigation (I)	R	R	R	R	R	R	R	R
April	7.79	7.19	11.45	9.50	4.76	6.24	8.04	3.03
May	6.72	8.11	8.45	7.60	6.03	5.76	5.86	3.76
June	8.12	6.18	12.25	6.77	4.20	7.29	7.44	1.93
July	1.48	1.87	2.50	2.36	2.01	2.38	4.77	5.12
August	1.16	4.35	0.80	3.10	3.85	2.75	0.93	1.85
September	<u>2.52</u>	<u>7.18</u>	<u>3.70</u>	<u>3.37</u>	<u>2.53</u>	<u>6.20</u>	<u>5.02</u>	<u>1.62</u>
Total	27.79	34.88	39.15	32.70	23.38	30.37	32.06	17.31

(CONTINUED)

TABLE 2. LOCATIONS, CULTURAL PRACTICES, AND RAINFALL FOR 1999 SOYBEAN PERFORMANCE TESTS. (CONTINUED)

ITEM	COUNTY: IRRIGATED							
	SHAWNEE		REPUBLIC		STAFFORD		THOMAS	
Cooperator	L. Maddux (785) 354-7236		B. Gordon (785) 335-2836		V. Martin (316) 549-3345		P. Evans (785) 462-6281	
Station or field	Topeka		Scandia		St. John		Colby	
Soil: texture	Silt loam		Silt loam		Loamy sand		Silt loam	
pH	6.6		6.1 (ST) 6.5 (RR)		6.2		7.7	
Organic matter (%)	1.7		2.5 (ST) 2.8 (RR)		0.9		2.0	
P test	M		M		H		---	
K test	H		H		M		—	
Planting date	5/19		5/25 (ST) 5/20 (RR)		6/3		5/21	
Herbicides ** (per acre)	1 qt. Tref., 2.8 oz. Scep.		1.5 pt. Dual + .5 lb. Sencor (ST);		1 qt. Dual 4 oz. Raptor (ST and RR); 1 qt. Roundup 2 appl. (RR) 28N, 46P		1.5 pt. Tref,(ST); 1.5 pt. Roundup (RR)	
Fertilizers (lbs/a)	none		none				6N, 20P	
Test avg. (bu/a)								
Standard	63.5 (11.0)		71.4 (4.0)		44.4 (13.7)		71.9 (7.7)	
MG III								
MG IV								
MG V								
Roundup resistant MG III	64.3 (11.6)		71.6 (3.2)		41.0 (13.1)		66.5 (8.8)	
MC IV								
MG V								
Row length (ft)	13		20		29 (ST) 21 (RR)		20	
Seeding rate (seeds/ft)	7		12		7		9	
Rows harvested	2		2		2		2	
Rainfall (R) or Irrigation (I)	R	I	R	I	R	I	R	I
April	6.23		4.45		4.02		2.34	
May	4.06		5.19		2.67		1.28	
June	3.74		2.73		5.66		5.04	
July	0.73	3.5	0.53	5.5	3.32	5.2	4.19	4.0
August	0.60	4.0	3.84	<u>2.5</u>	0.70	<u>6.1</u>	6.58	<u>5.0</u>
September	<u>3.56</u>	<u>1.5</u>	<u>2.37</u>		<u>3.20</u>		<u>0.84</u>	
Total	18.92	9.0	19.11	8.00	19.57	11.3	20.27	9.0

† Roundup-resistant and soybean cyst nematode (SCN)-infested locations. ** Squad. = Squadron, Scep. = Sceptor, Tref. = Treflan, Pur. = Pursuit *** Coefficient of variability.

TABLE 3. BROWN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS II-IV															
ADV. GENETICS	AG3630 STS	33.2	---	---	---	---	---	---	95	---	---	---	10/2	1.0	33
ADV. GENETICS	AG4188 STS	37.7	---	---	---	---	---	---	108	---	---	---	10/5	1.0	29
DEKALB	CX400	39.1	51.6	---	---	45.3	---	---	112	108	---	---	10/5	1.0	28
DYNA-GRO	DG-3395	32.8	50.8	44.3	65.9	41.8	42.6	48.5	94	106	102	107	10/5	1.0	24
DYNA-GRO	DG-3402STS	43.9	---	---	---	---	---	---	126	---	---	---	10/6	1.0	30
GARST	D350	32.6	---	---	---	---	---	---	93	---	---	---	9/26	1.0	25
GARST	D398	37.6	51.1	49.6	---	44.4	46.1	---	108	106	114	---	10/4	1.0	25
GARST	EX9385 EXP	28.7	---	---	---	---	---	---	82	---	---	---	10/2	1.0	31
HAMON	H-427	41.4	---	---	---	---	---	---	119	---	---	---	10/6	1.0	27
HAMON	H-447	32.4	50.2	45.3	---	41.3	42.6	---	93	105	104	---	10/7	1.0	35
HOEGEMEYER	333	31.4	48.1	---	---	39.8	---	---	90	100	---	---	9/26	1.0	29
HOEGEMEYER	379	33.9	---	---	---	---	---	---	97	---	---	---	10/1	1.0	24
HOEGEMEYER	401	38.2	44.0	44.4	70.3	41.1	42.2	49.2	109	92	102	114	10/5	1.0	30
MIDLAND	8388	36.9	49.4	---	---	43.2	---	---	106	103	---	---	10/4	1.0	26
MIDLAND	8396STS	35.0	---	---	---	---	---	---	100	---	---	---	10/5	1.0	30
MIDLAND	XB370N	35.3	---	---	---	---	---	---	101	---	---	---	10/1	1.0	29
MIDLAND	XB380	35.5	---	---	---	---	---	---	102	---	---	---	10/3	1.0	27
MIDWEST SEED	G 3844S	35.4	---	---	---	---	---	---	101	---	---	---	10/4	1.0	32
MIDWEST SEED	G 3996	38.8	49.2	48.5	64.9	44.0	45.5	50.3	111	103	111	106	10/6	1.0	25
MYCOGEN	5383	36.9	51.2	---	---	44.1	---	---	106	107	---	---	10/5	1.0	27
MYCOGEN	5404	38.8	49.7	42.2	---	44.3	43.6	---	111	104	97	---	10/6	1.0	31
NC+	3A87	37.0	53.2	---	---	45.1	---	---	106	111	---	---	10/4	1.0	26
NC+	4A10	35.4	47.5	43.5	---	41.5	42.2	---	102	99	100	---	10/5	1.0	27
NK	S43-B5	33.0	48.8	42.9	---	40.9	41.6	---	95	102	98	---	10/6	1.0	28
PIONEER	93B51 *	28.2	---	39.4	---	---	---	---	81	---	90	---	9/25	1.0	25
PIONEER	93B82	39.9	55.6	---	---	47.7	---	---	114	116	---	---	9/28	1.0	28
PIONEER	93B84 *	32.8	---	---	---	---	---	---	94	---	---	---	10/1	1.0	28
STINE	3870-0 (3870-1)	32.7	---	---	---	---	---	---	94	---	---	---	10/3	1.0	25
TERRA	TS348	33.5	---	---	---	---	---	---	96	---	---	---	10/2	1.0	27
TERRA	TS387	38.9	54.7	42.7	---	46.8	45.4	---	112	114	98	---	10/4	1.0	27
U.S. SEEDS	US S339	39.1	---	---	---	---	---	---	112	---	---	---	9/28	1.0	28
U.S. SEEDS	US S369STS	31.8	---	---	---	---	---	---	91	---	---	---	9/27	1.0	26
U.S. SEEDS	US S380	39.3	---	---	---	---	---	---	113	---	---	---	10/5	1.0	26
U.S. SEEDS	US S399STS	40.6	---	---	---	---	---	---	116	---	---	---	10/5	1.0	30
U.S. SEEDS	US S439	36.2	---	---	---	---	---	---	104	---	---	---	9/30	1.0	26
WILLCROSS	9738	35.6	51.1	42.3	---	43.3	43.0	---	102	106	97	---	10/5	1.0	28
KSOY	KS3494	33.8	46.3	45.6	58.3	40.1	41.9	46.0	97	96	105	95	9/30	1.0	27
KSOY	KS4694	36.9	52.1	39.9	50.9	44.5	43.0	45.0	106	109	92	83	10/9	1.0	30
KSOY	MACON	35.2	48.6	45.6	61.8	41.9	43.2	47.8	101	101	105	100	10/4	1.0	26
KSOY	STRESSLAND	31.6	47.3	40.7	58.4	39.4	39.8	44.5	90	98	93	95	10/4	1.0	32

(CONTINUED)

TABLE 3. BROWN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1996-1999. (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
	FLYER	31.8	48.6	41.3	61.5	40.2	40.5	45.8	91	101	95	100	10/5	1.0	29
	HS93-4118	37.4	51.9	---	---	44.6	---	---	107	108	---	---	10/4	1.0	28
	IA2021	21.9	39.7	---	---	30.8	---	---	63	83	---	---	9/17	1.0	24
	IA3010 (A94-774021)	33.4	48.4	---	---	40.9	---	---	96	101	---	---	9/24	1.0	24
	K1380	34.5	49.2	---	---	41.8	---	---	99	103	---	---	10/7	1.0	30
	K1410	33.8	---	---	---	---	---	---	97	---	---	---	10/7	1.0	28
	RESNIK	30.8	43.2	40.7	57.3	37.0	38.2	43.0	88	90	93	93	9/28	1.0	28
	SHERMAN	33.4	46.5	43.0	65.9	39.9	40.9	47.2	96	97	99	107	10/1	1.0	29
	WILLIAMS 82	26.1	45.5	41.1	51.7	35.8	37.6	41.1	75	95	94	84	10/5	1.0	31
TEST AVERAGES		34.9	48.0	43.6	61.5										
LSD (.10)		5.4	4.5	5.7	4.6										

TABLE 4. SHAWNEE COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1995-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN	
		1999	1998	1997	1995	2-Yr	3-Yr	4-Yr	1999	1998	1997	1995				
MATURITY GROUPS II-IV																
ADV. GENETICS	AG3630 STS	65.3	58.7	---	---	62.0	---	---	103	98	---	---	9/30	2.0	48	
ADV. GENETICS	AG4188 STS	60.2	61.8	---	---	61.0	---	---	95	103	---	---	10/1	2.0	46	
DEKALB	CX400	80.5	66.3	---	---	73.4	---	---	127	111	---	---	10/4	2.3	40	
DYNA-GRO	DG-3395	65.1	64.1	69.5	---	64.6	66.2	---	103	107	106	---	10/4	2.3	37	
DYNA-GRO	DG-3402STS	54.7	---	---	---	---	---	---	86	---	---	---	9/30	2.0	43	
GARST	D398	78.6	65.7	---	---	72.2	---	---	124	110	---	---	10/3	2.7	41	
GARST	D445/N	76.2	---	---	---	---	---	---	120	---	---	---	10/9	2.0	40	
GARST	EX9385 EXP	50.2	---	---	---	---	---	---	79	---	---	---	10/4	2.0	51	
HAMON	H-427	78.1	---	---	---	---	---	---	123	---	---	---	10/8	1.7	39	
HAMON	H-447	64.8	57.4	70.5	---	61.1	64.2	---	102	96	108	---	10/11	2.3	57	
HOEGEMEYER	333	57.3	60.7	---	---	59.0	---	---	90	101	---	---	9/29	2.0	45	
HOEGEMEYER	379	69.8	---	---	---	---	---	---	110	---	---	---	10/2	2.7	42	
HOEGEMEYER	401	64.2	63.7	68.2	54.6	64.0	65.4	62.7	101	106	104	98	10/6	2.7	43	
MIDLAND	8355	47.4	---	62.7	---	---	---	---	75	---	96	---	10/1	1.0	27	
MIDLAND	8376N	59.1	---	---	---	---	---	---	93	---	---	---	9/29	2.3	44	
MIDLAND	8388	78.0	68.6	---	---	73.3	---	---	123	114	---	---	10/2	3.0	41	

(CONTINUED)

TABLE 4. SHAWNEE COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1995-1999. (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1995	2-Yr	3-Yr	4-Yr	1999	1998	1997	1995			
MIDLAND	9G350STS	51.3	---	---	---	---	---	---	81	---	---	---	10/0	1.7	42
MIDLAND	XB370N	52.2	---	---	---	---	---	---	82	---	---	---	10/2	1.7	45
MIDLAND	XB380	62.9	---	---	---	---	---	---	99	---	---	---	10/2	1.7	44
MYCOGEN	5383	77.2	---	---	---	---	---	---	122	---	---	---	10/5	2.3	41
MYCOGEN	5404	67.0	64.5	---	---	65.7	---	---	105	108	---	---	10/6	2.7	47
NC+	3A87	62.7	---	---	---	---	---	---	99	---	---	---	10/3	2.7	43
NC+	4A10	63.3	61.2	66.4	63.1	62.3	63.7	63.5	100	102	102	113	10/5	2.0	45
NC+	4A47	71.8	---	---	---	---	---	---	113	---	---	---	10/12	3.0	48
NC+	4N26	69.5	---	---	---	---	---	---	109	---	---	---	10/7	2.0	43
NC+	5A44	69.7	---	---	---	---	---	---	110	---	---	---	10/16	2.0	42
NK	S33-P2	62.7	59.3	63.0	---	61.0	61.6	---	99	99	96	---	9/27	2.0	42
NK	S43-B5	69.0	62.6	---	---	65.8	---	---	109	104	---	---	10/9	2.0	45
PIONEER	93B51 *	62.2	---	68.6	---	---	---	---	98	---	105	---	9/28	1.7	43
PIONEER	93B82	69.3	66.3	---	---	67.8	---	---	109	111	---	---	9/28	2.3	44
PIONEER	93B84 *	67.6	---	---	---	---	---	---	106	---	---	---	10/1	1.7	44
STINE	3870-0 (3870-1)	79.0	63.3	---	---	71.2	---	---	124	106	---	---	10/4	2.7	40
TAYLOR	396	67.2	67.2	83.3	---	67.2	72.6	---	106	112	127	---	10/4	3.0	42
TERRA	TS348	67.8	---	---	---	---	---	---	107	---	---	---	9/26	2.0	42
TERRA	TS387	72.9	72.2	74.2	---	72.6	73.1	---	115	120	113	---	10/4	2.0	40
TERRA	TS415	59.8	64.1	70.6	---	61.9	64.8	---	94	107	108	---	10/5	2.7	42
TERRA	TS438	55.5	---	---	---	---	---	---	87	---	---	---	10/3	2.7	46
WILLCROSS	9449NSTS	63.6	---	---	---	---	---	---	100	---	---	---	10/10	2.3	47
WILLCROSS	9640	47.2	68.4	68.6	---	57.8	61.4	---	74	114	105	---	10/8	2.7	53
WILLCROSS	9738	75.1	64.8	64.1	---	69.9	68.0	---	118	108	98	---	10/6	2.7	43
WILLCROSS	9940N	54.0	---	---	---	---	---	---	85	---	---	---	10/9	2.0	47
KSOY	KS3494	63.1	54.8	80.8	59.1	58.9	66.2	64.4	99	91	124	106	9/27	2.0	43
KSOY	KS4694	58.7	46.3	54.8	50.5	52.5	53.3	52.6	92	77	84	90	10/12	2.7	45
KSOY	MACON	66.8	63.0	69.9	56.5	64.9	66.6	64.1	105	105	107	101	10/3	2.0	43
KSOY	STRESSLAND	54.3	55.5	64.6	55.9	54.9	58.1	57.6	86	92	99	100	10/7	2.3	47
	FLYER	52.3	61.7	69.5	58.1	57.0	61.2	60.4	82	103	106	104	10/2	2.0	43
	HS93-4118	65.7	61.8	---	---	63.7	---	---	103	103	---	---	10/3	2.0	42
	IA2021	43.2	40.3	---	---	41.8	---	---	68	67	---	---	9/15	1.0	33
	IA3010 (A94-774021)	61.7	60.0	---	---	60.8	---	---	97	100	---	---	9/23	1.0	36
	K1380	62.1	64.1	---	---	63.1	---	---	98	107	---	---	10/5	1.0	42
	K1410	67.4	---	---	---	---	---	---	106	---	---	---	10/9	2.3	45
	RESNIK	57.9	55.7	80.2	53.2	56.8	64.6	61.8	91	93	123	95	9/27	1.3	41
	SHERMAN	51.4	54.2	57.0	57.9	52.8	54.2	55.1	81	90	87	103	10/2	2.7	47
	WILLIAMS 82	53.4	50.1	58.6	48.2	51.8	54.0	52.6	84	84	90	86	10/4	3.0	54
TEST AVERAGES		63.5	60.0	65.4	56.0										
LSD (.10)		9.5	6.5	9.2	7.3										

TABLE 5. FRANKLIN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS II-IV															
ADV. GENETICS	AG3630 STS	43.7	---	---	---	---	---	---	106	---	---	---	10/5	1.0	31
ADV. GENETICS	AG3920	42.5	---	---	---	---	---	---	103	---	---	---	10/3	1.0	24
ADV. GENETICS	AG4188 STS	44.4	---	---	---	---	---	---	108	---	---	---	10/5	1.0	29
ADV. GENETICS	DS 390	37.3	---	---	---	---	---	---	90	---	---	---	10/7	1.0	32
ADV. GENETICS	DS 454	44.5	40.7	46.6	---	42.6	43.9	---	108	99	104	---	10/9	1.0	31
ADV. GENETICS	DS 485	40.6	41.8	41.7	51.0	41.2	41.3	43.8	98	101	93	99	10/9	1.0	33
DEKALB	CX400	42.2	---	---	---	---	---	---	102	---	---	---	10/3	1.0	26
DYNA-GRO	DG-3395	43.0	45.8	48.2	55.0	44.4	45.6	48.0	104	111	107	107	10/4	1.0	24
DYNA-GRO	DG-3402STS	41.1	---	---	---	---	---	---	100	---	---	---	10/5	1.0	28
GARST	D398	38.4	44.5	49.6	---	41.4	44.2	---	93	108	111	---	10/2	1.0	25
GARST	D445/N	46.8	---	---	---	---	---	---	113	---	---	---	10/6	1.0	28
HOEGEMEYER	333	40.8	48.4	---	---	44.6	---	---	99	118	---	---	9/28	1.0	31
HOEGEMEYER	379	42.9	---	---	---	---	---	---	104	---	---	---	9/30	1.0	24
HOEGEMEYER	401	42.1	43.5	43.2	51.1	42.8	42.9	45.0	102	106	96	99	10/5	1.0	29
HOEGEMEYER	451SCN	39.6	---	---	---	---	---	---	96	---	---	---	10/6	1.0	30
HYTEST	HTS4610	47.1	---	---	---	---	---	---	114	---	---	---	10/13	1.0	30
HYTEST	HTS5005	44.6	---	---	---	---	---	---	108	---	---	---	10/18	1.0	34
MIDLAND	8388	46.3	45.8	---	---	46.1	---	---	112	111	---	---	9/30	1.0	25
MIDLAND	8398	42.6	---	---	---	---	---	---	103	---	---	---	10/5	1.0	29
MIDLAND	8410	38.9	43.7	46.0	57.4	41.3	42.9	46.5	94	106	103	112	10/5	1.0	26
MIDLAND	8450STS	43.8	---	---	---	---	---	---	106	---	---	---	10/8	1.0	29
MIDLAND	XA420N	45.3	---	---	---	---	---	---	110	---	---	---	10/8	1.0	27
MIDLAND	XA450	44.8	---	---	---	---	---	---	109	---	---	---	10/9	1.0	31
MIDWEST SEED	G 3844S	37.2	---	---	---	---	---	---	90	---	---	---	10/7	1.0	30
MIDWEST SEED	G 3996	41.2	---	47.2	55.2	---	---	---	100	---	105	107	10/3	1.0	23
MYCOGEN	5404	45.7	44.1	---	---	44.9	---	---	111	107	---	---	10/3	1.0	27
NK	S33-P2	40.5	45.5	49.3	---	43.0	45.1	---	98	110	110	---	9/30	1.0	27
NK	S43-B5	41.7	41.7	---	---	41.7	---	---	101	101	---	---	10/8	1.0	27
PIONEER	93B51 *	42.8	---	---	---	---	---	---	104	---	---	---	9/28	1.0	24
PIONEER	93B82	40.6	48.9	---	---	44.8	---	---	98	119	---	---	10/2	1.0	24
PIONEER	94B01 *	37.5	---	41.1	---	---	---	---	91	---	92	---	10/4	1.0	29
STINE	3870-0 (3870-1)	41.4	44.6	---	---	43.0	---	---	100	108	---	---	10/0	1.0	25
TAYLOR	396	43.1	43.8	49.4	---	43.4	45.4	---	104	106	110	---	9/30	1.0	25
TAYLOR	471	48.0	---	---	---	---	---	---	116	---	---	---	10/14	1.0	31
TERRA	TS348	42.1	---	---	---	---	---	---	102	---	---	---	9/29	1.0	26
TERRA	TS387	45.2	44.2	49.4	---	44.7	46.3	---	110	107	110	---	10/7	1.0	25
TERRA	TS415	44.7	44.9	48.1	54.3	44.8	45.9	48.0	108	109	107	106	10/4	1.0	31
TERRA	TS438	42.3	---	---	---	---	---	---	102	---	---	---	10/6	1.0	31
U.S. SEEDS	US S339	44.0	---	---	---	---	---	---	107	---	---	---	9/28	1.0	26
U.S. SEEDS	US S369STS	38.4	---	---	---	---	---	---	93	---	---	---	9/30	1.0	23

(CONTINUED)

TABLE 5. FRANKLIN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1996-1999. (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
U.S. SEEDS	US S380	40.9	---	---	---	---	---	---	99	---	---	---	10/1	1.0	24
U.S. SEEDS	US S399STS	40.9	---	---	---	---	---	---	99	---	---	---	10/5	1.0	28
U.S. SEEDS	US S439	39.0	---	---	---	---	---	---	95	---	---	---	9/28	1.0	25
WILLCROSS	9447	45.3	39.2	49.5	53.3	42.2	44.7	46.8	110	95	111	104	10/10	1.0	33
WILLCROSS	9449NSTS	40.3	36.3	---	---	38.3	---	---	98	88	---	---	10/8	1.0	30
WILLCROSS	9640	42.2	46.9	45.7	52.5	44.5	44.9	46.8	102	114	102	102	10/7	1.0	30
WILLCROSS	9738	43.5	45.0	46.5	---	44.3	45.0	---	105	109	104	---	10/5	1.0	25
WILLCROSS	9940N	38.5	---	---	---	---	---	---	93	---	---	---	10/8	1.0	30
KSOY	KS3494	38.5	38.9	40.3	47.3	38.7	39.2	41.2	93	94	90	92	9/29	1.0	29
KSOY	KS4694	39.9	36.6	46.7	45.4	38.3	41.1	42.2	97	89	104	88	10/8	1.0	27
KSOY	KS4895	42.5	33.1	42.3	41.3	37.8	39.3	39.8	103	80	94	80	10/9	1.0	32
KSOY	MACON	39.2	43.4	46.0	58.7	41.3	42.9	46.8	95	105	103	114	10/4	1.0	25
KSOY	STRESSLAND	42.7	41.0	41.8	49.2	41.9	41.8	43.7	104	99	93	96	10/5	1.0	32
	CRAWFORD	27.9	27.3	36.4	41.0	27.6	30.5	33.2	68	66	81	80	10/13	1.0	39
	FLYER	40.1	41.4	43.0	50.2	40.7	41.5	43.7	97	100	96	98	10/5	1.0	30
	HS93-4118	39.8	45.5	---	---	42.7	---	---	97	110	---	---	10/4	1.0	24
	IA2021	30.3	35.4	---	---	32.8	---	---	73	86	---	---	9/20	1.0	23
	IA3010 (A94-774021)	40.2	47.3	---	---	43.7	---	---	97	115	---	---	9/27	1.0	22
	K1380	41.4	39.9	---	---	40.6	---	---	100	97	---	---	10/5	1.0	31
	K1410	36.0	---	---	---	---	---	---	87	---	---	---	10/5	1.0	27
	RESNIK	37.8	39.5	39.3	46.7	38.7	38.9	40.8	92	96	88	91	9/28	1.0	27
	SHERMAN	41.7	39.8	46.1	56.3	40.7	42.5	46.0	101	97	103	110	10/1	1.0	29
	WILLIAMS 82	30.9	33.4	43.7	48.0	32.1	36.0	39.0	75	81	98	93	10/7	1.0	32
TEST AVERAGES		41.3	41.2	44.8	51.4										
LSD (.10)		4.5	3.7	3.9	5.6										

TABLE 6. CHEROKEE COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS II-IV															
ADV. GENETICS	DS 454	14.3	39.2	53.7	---	26.7	35.7	---	90	90	108	---	9/23	1.0	23
DYNA-GRO	DG-3395	12.1	52.3	51.4	53.4	32.2	38.6	42.3	77	120	103	118	9/13	1.0	20
DYNA-GRO	DG-3402STS	19.9	---	---	---	---	---	---	125	---	---	---	9/24	1.0	22
MIDLAND	8421	16.6	41.2	---	---	28.9	---	---	105	94	---	---	9/23	1.0	23
MIDLAND	8450STS	15.3	45.8	---	---	30.5	---	---	97	105	---	---	9/21	1.0	23
MIDLAND	XA420N	20.8	---	---	---	---	---	---	131	---	---	---	9/27	1.0	19
MYCOGEN	5404	14.7	48.5	49.0	---	31.6	37.4	---	93	111	98	---	9/18	1.0	23
TERRA	TS415	17.2	50.8	48.5	50.8	34.0	38.8	41.8	109	116	97	112	9/20	1.0	20
TERRA	TS438	18.2	---	---	---	---	---	---	115	---	---	---	9/23	1.0	23
WILLCROSS	9449NSTS	12.9	38.6	---	---	25.7	---	---	81	88	---	---	9/22	1.0	22
WILLCROSS	9450NSTS	17.0	---	---	---	---	---	---	107	---	---	---	9/24	1.0	22
KSOY	KS3494	13.4	48.0	42.6	49.6	30.7	34.7	38.4	85	110	85	109	9/12	1.0	21
KSOY	KS4694	17.3	37.8	59.0	45.6	27.6	38.0	39.9	109	86	118	100	9/30	1.0	20
KSOY	MACON	12.7	46.8	48.1	50.7	29.8	35.9	39.6	80	107	96	112	9/23	1.0	20
KSOY	STRESSLAND	16.6	46.4	53.3	44.4	31.5	38.7	40.2	105	106	107	98	9/19	1.0	22
	FLYER	14.4	40.6	48.0	43.2	27.5	34.3	36.6	91	93	96	95	9/21	1.0	22
	HS93-4118	15.1	48.7	---	---	31.9	---	---	95	111	---	---	9/18	1.0	19
	IA2021	14.4	46.7	---	---	30.6	---	---	91	107	---	---	9/7	1.0	17
	IA3010 (A94-774021)	16.9	52.8	---	---	34.8	---	---	106	121	---	---	9/13	1.0	17
	K1380	20.0	43.1	---	---	31.5	---	---	126	99	---	---	9/25	1.0	24
	K1410	17.2	---	---	---	---	---	---	109	---	---	---	9/26	1.0	20
	RESNIK	14.3	46.5	42.9	45.5	30.4	34.6	37.3	90	106	86	100	9/13	1.0	19
	SHERMAN	14.4	45.9	46.2	49.3	30.2	35.5	38.9	91	105	92	108	9/12	1.0	23
	WILLIAMS 82	14.4	41.5	45.8	45.5	27.9	33.9	36.8	91	95	92	100	9/22	1.0	24
TEST AVERAGES		15.8	43.7	49.9	45.4										
LSD (.10)		3.3	5.2	5.8	4.0										

(CONTINUED)

TABLE 6. CHEROKEE COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1996-1999. (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS IVS-V															
ADV. GENETICS	DS 485	16.5	39.7	---	---	28.1	---	---	89	122	---	---	10/6	1.0	26
ASGROW	A5404 *	23.1	---	---	---	---	---	---	125	---	---	---	10/10	1.0	25
DEKALB	CX496c	14.2	---	---	---	---	---	---	77	---	---	---	10/12	1.0	25
DELTAPINE	DP 3478	18.5	---	---	---	---	---	---	100	---	---	---	10/4	1.0	25
DELTAPINE	DS 4909	21.8	---	---	---	---	---	---	118	---	---	---	10/13	1.0	28
MIDLAND	8486	16.1	34.7	---	---	25.4	---	---	87	107	---	---	10/4	1.0	22
MIDLAND	8530	21.0	30.5	56.0	---	25.8	35.9	---	114	94	110	---	10/11	1.0	25
MIDLAND	XA520N	20.0	---	---	---	---	---	---	108	---	---	---	10/13	1.0	23
MIDLAND	XE480	14.5	---	---	---	---	---	---	78	---	---	---	10/2	1.0	26
NK	S57-11	22.6	28.6	---	---	25.6	---	---	122	88	---	---	10/13	1.0	24
PIONEER	9492 *	17.4	---	---	---	---	---	---	94	---	---	---	10/6	1.0	21
PIONEER	95B33	18.1	42.3	---	---	30.2	---	---	98	130	---	---	10/9	1.0	22
PIONEER	95B71 *	23.3	---	---	---	---	---	---	126	---	---	---	10/11	1.0	29
STINE	4702-2	14.8	---	---	---	---	---	---	80	---	---	---	10/3	1.0	24
TERRA	TS4792	15.3	---	---	---	---	---	---	83	---	---	---	10/6	1.0	29
WILLCROSS	9947N	11.9	---	---	---	---	---	---	64	---	---	---	10/10	1.0	22
WILLCROSS	9951N	21.4	---	---	---	---	---	---	116	---	---	---	10/11	1.0	29
WILLCROSS	RR2517N *	19.1	28.1	---	---	23.6	---	---	103	86	---	---	10/9	1.0	22
KSOY	DELLOY 5500	18.9	34.8	57.1	40.9	26.9	36.9	37.9	102	107	112	98	10/10	1.0	22
KSOY	KS4895	16.0	31.0	---	43.2	23.5	---	---	87	95	---	103	10/8	1.0	23
KSOY	KS4997	19.1	37.7	57.2	46.9	28.4	38.0	40.2	103	116	112	112	10/7	1.0	21
	ANAND	22.9	38.8	---	---	30.8	---	---	124	119	---	---	10/12	1.0	21
	CRAWFORD	13.7	21.8	---	---	17.7	---	---	74	67	---	---	10/8	1.0	27
	DELLOY 4710	13.4	---	---	---	---	---	---	72	---	---	---	10/7	1.0	26
	DELLOY 5710	21.6	---	---	---	---	---	---	117	---	---	---	10/16	1.0	28
	HUTCHESON	18.1	32.8	51.3	42.9	25.5	34.1	36.3	98	101	101	103	10/12	1.0	22
	K1401	18.1	---	---	---	---	---	---	98	---	---	---	10/8	1.0	23
	K1423	17.8	---	---	---	---	---	---	96	---	---	---	10/8	1.0	22
	K1424	19.5	---	---	---	---	---	---	105	---	---	---	10/21	1.0	21
	K1425	18.0	---	---	---	---	---	---	97	---	---	---	10/10	1.0	24
	KS5292	16.3	34.8	48.1	42.3	25.5	33.1	35.4	88	107	94	101	10/8	1.0	23
	MANOKIN	23.2	31.5	48.6	39.2	27.3	34.4	35.6	126	97	95	94	10/9	1.0	23
	MD92-5769	23.8	---	---	---	---	---	---	129	---	---	---	10/11	1.0	16
TEST AVERAGES		18.5	32.6	51.0	41.7										
LSD (.10)		3.5	5.0	5.4	3.8										

TABLE 7. REPUBLIC COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS II-IV															
DEKALB	CX300	49.8	---	---	---	---	---	---	112	---	---	---	9/30	1.0	30
GARST	D398	50.1	---	26.8	---	---	---	---	113	---	77	---	10/4	1.0	28
MIDLAND	8287	37.2	39.8	---	---	38.5	---	---	84	107	---	---	9/24	1.0	24
MIDLAND	8334	34.3	43.5	---	---	38.9	---	---	77	117	---	---	9/29	1.0	25
MIDLAND	8355	47.0	39.4	46.3	67.0	43.2	44.2	49.9	106	106	133	107	9/30	1.0	28
MIDLAND	8388	40.9	43.4	---	---	42.2	---	---	92	116	---	---	10/3	1.0	26
MIDLAND	9A320STS	33.4	---	---	---	---	---	---	75	---	---	---	9/30	1.0	28
MYCOGEN	5404	46.4	40.5	42.7	---	43.5	43.2	---	104	109	123	---	10/6	1.0	31
NC+	3A82STS	53.0	---	---	---	---	---	---	119	---	---	---	10/3	1.0	34
NK	S43-B5	36.6	32.7	---	---	34.6	---	---	83	88	---	---	10/6	1.0	27
PIONEER	93B41	46.9	38.2	---	---	42.6	---	---	106	102	---	---	9/30	1.0	24
PIONEER	93B51 *	48.1	---	---	---	---	---	---	108	---	---	---	9/29	1.0	27
PIONEER	93B82	42.5	---	---	---	---	---	---	96	---	---	---	10/2	1.0	26
WILLCROSS	9640	45.6	---	41.5	69.2	---	---	---	103	---	119	110	10/6	1.0	35
WILLCROSS	9738	44.5	---	47.4	---	---	---	---	100	---	136	---	10/3	1.0	29
KSOY	KS3494	48.4	33.1	51.8	58.3	40.8	44.4	47.9	109	89	149	93	9/29	1.0	30
KSOY	KS4694	43.8	40.1	25.7	60.4	42.0	36.6	42.5	99	108	74	96	10/6	1.0	32
KSOY	MACON	47.4	44.2	30.5	70.4	45.8	40.7	48.1	107	119	88	112	10/4	1.0	26
KSOY	STRESSLAND	48.5	31.2	47.8	57.6	39.9	42.5	46.3	109	84	137	92	10/2	1.0	33
	FLYER	48.8	33.2	29.8	61.1	41.0	37.2	43.2	110	89	86	98	10/3	1.0	31
	HS93-4118	38.1	30.2	---	---	34.1	---	---	86	81	---	---	10/6	1.0	29
	IA2021	40.6	33.5	---	---	37.0	---	---	91	90	---	---	9/22	1.0	24
	IA3010 (A94-774021)	50.3	40.8	---	---	45.5	---	---	113	109	---	---	9/27	1.0	24
	K1380	47.1	29.8	---	---	38.4	---	---	106	80	---	---	10/6	1.0	31
	K1410	49.7	---	---	---	---	---	---	112	---	---	---	10/6	1.0	28
	RESNIK	44.6	30.8	25.5	66.6	37.7	33.6	41.9	100	83	73	106	10/2	1.0	30
	SHERMAN	39.0	38.0	25.0	63.5	38.5	34.0	41.4	88	102	72	101	10/3	1.0	33
	WILLIAMS 82	40.5	30.5	18.1	51.7	35.5	29.7	35.2	91	82	52	82	10/3	1.0	33
TEST AVERAGES		44.4	37.3	34.8	62.7										
LSD (.10)		4.5	4.6	6.4	8.2										

TABLE 8. REPUBLIC COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS II-IV															
ADV. GENETICS	AG3630 STS	69.8	64.0	---	---	66.9	---	---	98	106	---	---	10/4	1.0	39
ADV. GENETICS	AG3920	75.2	---	---	---	---	---	---	105	---	---	---	10/8	1.0	42
ADV. GENETICS	AG4188 STS	69.3	---	---	---	---	---	---	97	---	---	---	10/10	1.0	40
DEKALB	CX377	67.1	66.5	79.5	63.2	66.8	71.0	69.1	94	110	118	101	10/4	1.0	36
DYNA-GRO	DG-3331N	72.5	---	---	---	---	---	---	102	---	---	---	10/3	1.0	39
DYNA-GRO	DG-3395	75.8	---	---	---	---	---	---	106	---	---	---	10/3	1.0	36
DYNA-GRO	DG-3402STS	79.0	---	---	---	---	---	---	111	---	---	---	10/4	1.0	37
GARST	D398	75.8	67.6	74.7	---	71.7	72.7	---	106	112	111	---	10/6	1.0	37
GARST	EX9385 EXP	74.4	---	---	---	---	---	---	104	---	---	---	10/5	1.0	40
HOEGEMEYER	333	73.8	---	---	---	---	---	---	103	---	---	---	10/3	1.0	37
HOEGEMEYER	379	72.7	---	---	---	---	---	---	102	---	---	---	10/6	1.0	40
HOEGEMEYER	402STS	67.7	55.0	---	---	61.4	---	---	95	91	---	---	10/9	1.0	41
HYTEST	HTS3820	68.3	---	---	---	---	---	---	96	---	---	---	10/7	1.0	34
HYTEST	HTS4220	69.5	---	---	---	---	---	---	97	---	---	---	10/10	1.0	40
MIDLAND	8287	77.0	56.5	---	---	66.8	---	---	108	94	---	---	9/26	1.0	35
MIDLAND	8334	70.2	61.9	---	---	66.1	---	---	98	103	---	---	10/3	1.0	36
MIDLAND	8336N	71.6	---	---	---	---	---	---	100	---	---	---	10/3	1.0	40
MIDLAND	8355	76.5	66.2	77.0	62.0	71.3	73.2	70.4	107	110	115	99	10/3	1.0	35
MIDLAND	8388	74.1	61.5	---	---	67.8	---	---	104	102	---	---	10/6	1.0	40
MIDLAND	8396STS	71.5	65.5	---	---	68.5	---	---	100	109	---	---	10/7	1.0	39
MIDLAND	9A320STS	77.0	---	---	---	---	---	---	108	---	---	---	10/2	1.0	36
MIDLAND	9G350STS	73.2	---	---	---	---	---	---	102	---	---	---	10/4	1.0	38
MIDLAND	XB370N	73.0	---	---	---	---	---	---	102	---	---	---	10/6	1.0	40
MIDWEST SEED	G 3844S	61.4	---	---	---	---	---	---	86	---	---	---	10/5	1.0	43
MIDWEST SEED	G 3996	74.0	---	68.7	63.4	---	---	---	104	---	102	102	10/7	1.0	39
MYCOGEN	5404	64.2	63.9	---	---	64.1	---	---	90	106	---	---	10/10	1.0	44
NC+	3A82STS	61.4	---	---	---	---	---	---	86	---	---	---	10/6	1.0	40
NC+	3A87	76.5	62.2	---	---	69.3	---	---	107	103	---	---	10/7	1.0	40
NK	S43-B5	70.9	53.9	63.6	---	62.4	62.8	---	99	89	95	---	10/10	1.0	41
PIONEER	93B41	72.8	---	---	---	---	---	---	102	---	---	---	10/4	1.0	34
PIONEER	93B51 *	75.6	---	65.8	---	---	---	---	106	---	98	---	10/3	1.0	38
PIONEER	93B84 *	74.5	---	---	---	---	---	---	104	---	---	---	10/6	1.0	39
STINE	3398-8 (3388)	72.7	63.0	---	---	67.8	---	---	102	105	---	---	10/7	1.0	38
STINE	X3900	73.0	---	---	---	---	---	---	102	---	---	---	10/7	1.0	43
TAYLOR	396	69.1	65.2	---	---	67.1	---	---	97	108	---	---	10/7	1.0	37
KSOY	KS3494	70.6	63.2	78.3	62.8	66.9	70.7	68.7	99	105	117	101	10/3	1.0	36
KSOY	KS4694	60.2	53.4	54.6	63.7	56.8	56.1	58.0	84	89	81	102	10/10	1.0	43
KSOY	MACON	72.0	69.1	64.4	61.7	70.5	68.5	66.8	101	115	96	99	10/6	1.0	38
KSOY	STRESSLAND	69.0	59.0	63.1	61.1	64.0	63.7	63.0	97	98	94	98	10/4	1.0	43

(CONTINUED)

TABLE 8. REPUBLIC COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1996-1999. (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
	FLYER	69.9	53.7	66.7	63.6	61.8	63.4	63.5	98	89	99	102	10/7	1.0	41
	HS93-4118	77.0	64.3	---	---	70.7	---	---	108	107	---	---	10/10	1.0	40
	IA2021	70.5	55.9	---	---	63.2	---	---	99	93	---	---	9/24	1.0	30
	IA3010 (A94-774021)	72.7	65.3	---	---	69.0	---	---	102	108	---	---	9/29	1.0	31
	K1380	67.3	62.6	---	---	64.9	---	---	94	104	---	---	10/9	1.0	42
	K1410	70.6	---	---	---	---	---	---	99	---	---	---	10/10	1.0	39
	RESNIK	72.2	58.0	60.3	56.8	65.1	63.5	61.8	101	96	90	91	10/5	1.0	37
	SHERMAN	65.8	55.0	74.3	58.6	60.4	65.1	63.5	92	91	111	94	10/5	1.0	38
	WILLIAMS 82	67.9	53.4	54.4	56.3	60.7	58.6	58.0	95	89	81	90	10/8	1.0	41
TEST AVERAGES		71.4	60.3	67.1	62.4										
LSD (.10)		3.8	4.6	5.1	3.6										

TABLE 9. THOMAS COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS II-IV															
DYNA-GRO	DG-3331N	66.8	---	---	---	---	---	---	93	---	---	---	9/27	1.3	35
MIDLAND	XA350	72.2	---	---	---	---	---	---	100	---	---	---	10/3	1.3	34
PIONEER	93B01 *	67.5	---	---	---	---	---	---	94	---	---	---	9/23	1.0	28
PIONEER	93B34 *	79.7	62.7	---	---	71.2	---	---	111	97	---	---	9/30	2.3	32
PIONEER	93B53 *	84.4	---	---	---	---	---	---	117	---	---	---	10/1	2.0	34
U.S. SEEDS	US S339	67.6	---	---	---	---	---	---	94	---	---	---	10/1	1.8	31
U.S. SEEDS	US S369STS	71.6	---	---	---	---	---	---	100	---	---	---	9/27	1.0	33
U.S. SEEDS	US S380	83.6	---	---	---	---	---	---	116	---	---	---	10/3	2.5	34
U.S. SEEDS	US S399STS	62.8	---	---	---	---	---	---	87	---	---	---	10/3	1.8	35
U.S. SEEDS	US S439	81.5	---	---	---	---	---	---	113	---	---	---	9/29	1.8	33
KSOY	KS3494	77.2	66.2	73.0	56.3	71.7	72.1	68.1	107	103	104	116	9/27	1.8	35
KSOY	KS4694	70.6	70.6	77.3	58.5	70.6	72.8	69.2	98	110	110	120	10/12	2.5	36
KSOY	MACON	69.2	63.6	77.9	52.0	66.4	70.2	65.7	96	99	111	107	9/27	1.0	32
KSOY	STRESSLAND	72.5	65.0	74.8	60.0	68.8	70.8	68.1	101	101	106	123	10/6	3.0	37
	FLYER	69.9	66.8	72.2	54.0	68.4	69.6	65.7	97	104	103	111	10/4	2.5	37
	HS93-4118	78.8	66.8	---	---	72.8	---	---	110	104	---	---	10/2	2.3	34
	IA2021	54.7	58.4	---	---	56.5	---	---	76	91	---	---	9/21	1.0	27
	IA3010 (A94-774021)	74.2	67.3	---	---	70.8	---	---	103	105	---	---	9/28	1.0	28
	K1380	70.0	68.8	---	---	69.4	---	---	97	107	---	---	10/7	2.3	37
	K1410	75.9	---	---	---	---	---	---	106	---	---	---	10/4	1.3	36
	RESNIK	73.2	57.9	71.9	54.0	65.5	67.7	64.3	102	90	102	111	9/28	1.8	33
	SHERMAN	70.3	64.6	72.3	51.0	67.4	69.1	64.6	98	100	103	105	9/27	2.0	33
	WILLIAMS 82	59.4	54.5	60.4	54.0	56.9	58.1	57.1	83	85	86	111	10/6	3.0	39
TEST AVERAGES		71.9	64.4	70.4	48.6										
LSD (.10)		6.5	5.5	6.3	5.5										

TABLE 10. HARVEY COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS II-III															
ADV. GENETICS	DS 390	13.6	---	29.8	48.3	---	---	---	72	---	69	90	9/25	1.0	33
DYNA-GRO	DG-3395	19.2	24.6	48.1	62.7	21.9	30.6	38.6	102	95	112	116	9/17	1.0	29
HOEGEMEYER	379	20.3	---	---	---	---	---	---	108	---	---	---	9/16	1.0	27
MIDLAND	8371	15.0	22.2	48.3	64.3	18.6	28.5	37.5	79	85	113	119	9/20	1.0	31
MIDLAND	8396STS	18.6	25.2	---	---	21.9	---	---	99	97	---	---	9/25	1.3	32
MIDLAND	XA350	26.8	---	---	---	---	---	---	142	---	---	---	9/14	1.0	30
PIONEER	9344 *	21.6	---	---	---	---	---	---	115	---	---	---	9/14	1.0	28
PIONEER	93B41	24.2	---	---	---	---	---	---	128	---	---	---	9/14	1.0	26
PIONEER	93B53 *	22.3	30.1	---	---	26.2	---	---	118	116	---	---	9/12	1.0	27
PIONEER	93B82	19.3	29.1	---	---	24.2	---	---	102	112	---	---	9/17	1.0	30
WILLCROSS	9738	13.6	21.6	---	---	17.6	---	---	72	83	---	---	9/20	1.0	30
WILLCROSS	9940N	12.3	---	---	---	---	---	---	65	---	---	---	9/24	1.0	32
KSOY	KS3494	20.2	25.3	39.7	52.4	22.7	28.4	34.4	107	97	93	97	9/13	1.0	30
KSOY	MACON	16.8	27.7	48.9	57.5	22.3	31.2	37.7	89	107	114	107	9/18	1.0	27
	IA2021	25.5	34.0	---	---	29.8	---	---	135	131	---	---	8/31	1.0	25
	IA3010 (A94-774021)	25.2	34.4	---	---	29.8	---	---	133	132	---	---	9/11	1.0	25
	RESNIK	16.0	26.0	38.6	55.4	21.0	26.9	34.0	85	100	90	103	9/16	1.0	29
	SHERMAN	14.7	24.0	41.7	48.3	19.3	26.8	32.2	78	92	97	90	9/13	1.0	30
	WILLIAMS 82	13.4	14.0	28.8	53.2	13.7	18.7	27.4	71	54	67	99	9/25	1.0	35
TEST AVERAGES		18.9	26.0	42.9	53.9										
LSD (.10)		4.5	2.0	6.8	8.3										
MATURITY GROUP IV															
ADV. GENETICS	AG4188 STS	17.2	---	---	---	---	---	---	116	---	---	---	9/25	1.4	32
ADV. GENETICS	DS 410	12.5	---	40.4	44.2	---	---	---	85	---	96	79	9/30	1.0	33
ADV. GENETICS	DS 454	11.4	16.2	47.7	---	13.8	25.1	---	78	91	113	---	9/24	1.0	34
DEKALB	CX400	18.0	---	---	---	---	---	---	122	---	---	---	9/19	1.0	29
DYNA-GRO	DG-3402STS	16.0	---	---	---	---	---	---	108	---	---	---	9/24	1.8	31
HYTEST	HTS4610	10.0	---	---	---	---	---	---	68	---	---	---	10/17	1.0	30
HYTEST	HTS5005	14.2	---	---	---	---	---	---	96	---	---	---	10/27	1.0	39
MIDLAND	8431	14.7	14.7	43.3	67.0	14.7	24.2	34.9	100	83	102	120	9/29	1.0	32
MYCOGEN	5404	19.5	22.2	45.0	---	20.8	28.9	---	133	125	107	---	9/22	1.3	32
WILLCROSS	9447	13.9	13.6	---	---	13.7	---	---	94	76	---	---	10/1	1.0	35
WILLCROSS	9449NSTS	10.6	19.0	---	---	14.8	---	---	72	107	---	---	9/30	1.1	32
KSOY	KS4694	12.8	16.1	34.4	58.5	14.4	21.1	30.4	87	90	81	105	10/9	1.0	31
KSOY	STRESSLAND	16.7	21.3	39.8	56.5	19.0	25.9	33.6	113	120	94	102	9/23	1.3	35
	FLYER	13.7	20.6	48.4	49.2	17.1	27.5	33.0	93	116	114	88	9/22	1.0	30
	HS93-4118	17.3	29.6	---	---	23.4	---	---	117	166	---	---	9/13	1.0	28
	K1380	15.8	23.0	---	---	19.4	---	---	107	130	---	---	9/29	1.0	30
	K1410	16.4	---	---	---	---	---	---	111	---	---	---	9/20	1.0	29
TEST AVERAGES		14.7	17.8	42.3	55.7										
LSD (.10)		3.4	2.2	6.4	8.0										
LSD (.10 BETWEEN MATURITY GROUPS)		4.0	2.2	6.9	8.3										

TABLE 11. STAFFORD COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS II-IV															
ADV. GENETICS	DS 410	47.6	41.9	40.0	62.1	44.8	43.2	47.9	107	106	90	111	10/8	1.0	30
ADV. GENETICS	DS 454	49.2	38.8	51.6	---	44.0	46.5	---	111	98	116	---	10/9	1.0	31
DEKALB	CX400	46.1	39.7	---	---	42.9	---	---	104	100	---	---	10/4	1.0	26
DELTAPINE	DP 3478	51.1	39.2	---	---	45.2	---	---	115	99	---	---	10/10	1.3	33
DELTAPINE	DS 4909	39.6	---	---	---	---	---	---	89	---	---	---	10/14	1.0	35
DYNA-GRO	DG-3395	46.3	---	40.9	---	---	---	---	104	---	91	---	10/3	1.0	26
DYNA-GRO	DG-3402STS	41.3	---	---	---	---	---	---	93	---	---	---	10/3	1.5	28
GARST	D398	50.6	43.4	47.2	---	47.0	47.1	---	114	110	106	---	10/2	1.0	25
GARST	EX9385 EXP	41.5	---	---	---	---	---	---	94	---	---	---	10/2	1.8	35
HOEGEMEYER	379	49.3	---	---	---	---	---	---	111	---	---	---	10/2	1.0	27
MIDLAND	8371	42.8	36.7	46.1	54.4	39.7	41.9	45.0	97	93	103	97	10/3	1.3	31
MIDLAND	8396STS	34.5	36.7	---	---	35.6	---	---	78	93	---	---	10/3	1.0	28
MIDLAND	XA350	42.9	---	---	---	---	---	---	97	---	---	---	10/2	1.0	28
NC+	4A10	50.0	39.0	55.0	66.6	44.5	48.0	52.7	113	99	123	119	10/3	1.0	30
PIONEER	93B41	34.6	---	---	---	---	---	---	78	---	---	---	9/27	1.0	23
PIONEER	93B53 *	39.2	---	---	---	---	---	---	88	---	---	---	9/29	1.0	25
PIONEER	93B82	48.9	46.9	43.2	---	47.9	46.3	---	110	118	97	---	10/1	1.3	27
STINE	X3900	49.5	---	---	---	---	---	---	111	---	---	---	10/4	1.3	28
WILLCROSS	9449NSTS	49.6	42.6	---	---	46.1	---	---	112	108	---	---	10/9	1.0	29
WILLCROSS	9738	51.7	38.6	---	---	45.1	---	---	117	97	---	---	10/5	1.0	27
WILLCROSS	9940N	42.5	---	---	---	---	---	---	96	---	---	---	10/7	1.0	28
KSOY	KS3494	44.4	41.2	41.9	48.5	42.8	42.5	44.0	100	104	94	87	9/27	1.0	29
KSOY	KS4694	48.9	34.8	43.3	57.2	41.8	42.3	46.0	110	88	97	102	10/10	1.0	32
KSOY	MACON	40.7	41.4	47.0	59.0	41.0	43.0	47.0	92	105	105	105	10/1	1.0	27
KSOY	STRESSLAND	50.5	38.0	49.9	63.0	44.3	46.1	50.3	114	96	112	112	10/3	1.0	32
	FLYER	37.0	40.0	42.5	52.3	38.5	39.8	42.9	83	101	95	93	10/4	1.0	29
	HS93-4118	42.2	42.4	---	---	42.3	---	---	95	107	---	---	10/1	1.0	24
	IA2021	33.5	34.9	---	---	34.2	---	---	76	88	---	---	9/22	1.3	21
	IA3010 (A94-774021)	41.7	47.7	---	---	44.7	---	---	94	120	---	---	9/27	1.0	22
	K1380	48.8	39.9	---	---	44.4	---	---	110	101	---	---	10/7	1.3	31
	K1410	45.5	---	---	---	---	---	---	103	---	---	---	10/3	1.3	29
	RESNIK	40.1	37.4	34.2	47.0	38.7	37.2	39.7	90	94	77	84	9/29	1.0	27
	SHERMAN	40.8	34.2	48.6	59.0	37.5	41.2	45.6	92	86	109	105	9/29	1.0	31
	WILLIAMS 82	47.4	34.2	35.6	49.4	40.8	39.1	41.6	107	86	80	88	10/6	1.0	32
TEST AVERAGES		44.4	39.6	44.7	56.0										
LSD (.10)		7.2	7.2	6.4	5.5										

TABLE 12. CHEROKEE COUNTY SOYBEAN PERFORMANCE ON SOIL INFESTED WITH SOYBEAN CYST NEMATODE, RACE 3 (DRYLAND), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
MATURITY GROUPS III-V															
ADV. GENETICS	DS 466	19.1	30.2	31.2	38.0	24.7	26.8	29.6	92	107	82	126	10/7	1.0	18
ASGROW	A5404 *	24.5	---	---	---	---	---	---	118	---	---	---	10/12	1.0	23
DEKALB	CX496c	21.5	29.0	---	---	25.2	---	---	103	103	---	---	10/6	1.0	21
DELTAPINE	DP 3478	16.0	---	---	---	---	---	---	77	---	---	---	10/9	1.0	20
DELTAPINE	DS 4909	23.2	28.9	---	---	26.0	---	---	111	102	---	---	10/13	1.0	23
DYNA-GRO	DG-3438N	19.1	32.0	---	---	25.6	---	---	92	114	---	---	10/7	1.0	20
DYNA-GRO	DG-3444N	20.3	---	40.9	32.7	---	---	---	98	---	108	108	10/8	1.0	19
HOEGEMEYER	451SCN	16.7	---	---	---	---	---	---	80	---	---	---	10/2	1.0	19
MIDLAND	8421	19.6	32.9	---	---	26.3	---	---	94	117	---	---	10/7	1.0	20
MIDLAND	8450STS	16.1	31.2	---	---	23.6	---	---	77	111	---	---	10/8	1.0	19
MIDLAND	8475	21.5	31.0	40.1	33.9	26.3	30.9	31.6	104	110	106	112	10/6	1.0	18
MIDLAND	8530	24.2	22.0	41.4	---	23.1	29.2	---	117	78	109	---	10/15	1.0	19
PIONEER	9492 *	20.0	32.0	40.7	---	26.0	30.9	---	96	113	107	---	10/8	1.0	17
PIONEER	95B33	21.6	29.8	---	---	25.7	---	---	104	106	---	---	10/14	1.0	19
PIONEER	95B71 *	28.5	---	---	---	---	---	---	137	---	---	---	10/16	1.0	21
STINE	4702-2	19.9	---	---	---	---	---	---	96	---	---	---	10/10	1.0	21
TERRA	TS438	19.0	31.8	---	---	25.4	---	---	91	113	---	---	10/6	1.0	21
TERRA	TS4792	21.9	28.8	38.9	31.5	25.4	29.9	30.3	106	102	103	104	10/6	1.0	24
U.S. SEEDS	US S439	13.9	---	---	---	---	---	---	67	---	---	---	9/24	1.0	15
WILLCROSS	9449NSTS	14.8	20.5	---	---	17.6	---	---	71	73	---	---	10/6	1.0	18
WILLCROSS	9450NSTS	14.5	---	---	---	---	---	---	70	---	---	---	10/7	1.0	20
WILLCROSS	9947N	18.5	---	---	---	---	---	---	89	---	---	---	10/8	1.0	20
WILLCROSS	9951N	26.2	---	---	---	---	---	---	126	---	---	---	10/14	1.0	22
WILLCROSS	RR2467N *	20.7	31.4	---	---	26.0	---	---	100	111	---	---	10/8	1.0	24
WILLCROSS	RR2469N *	17.5	---	---	---	---	---	---	84	---	---	---	10/7	1.0	18
WILLCROSS	RR2490N *	21.6	---	---	---	---	---	---	104	---	---	---	10/10	1.0	22
WILLCROSS	RR2517N *	19.6	33.8	---	---	26.7	---	---	94	120	---	---	10/14	1.0	18
WILLCROSS	RR2520N *	19.8	---	---	---	---	---	---	95	---	---	---	10/15	1.0	16
KSOY	DEL SOY 5500	22.5	30.0	40.4	---	26.2	30.9	---	108	106	107	---	10/15	1.0	18
KSOY	KS4694	15.3	---	---	---	---	---	---	74	---	---	---	10/9	1.0	19
	ANAND	26.6	26.1	---	---	26.3	---	---	128	92	---	---	10/14	1.0	18
	DEL SOY 4710	20.8	---	---	---	---	---	---	100	---	---	---	10/10	1.0	24
	DEL SOY 5710	30.0	---	---	---	---	---	---	144	---	---	---	10/18	1.0	26
	HUTCHESON	18.5	25.8	36.6	26.0	22.1	27.0	26.7	89	92	97	86	10/16	1.0	17
	K1424	27.3	---	---	---	---	---	---	131	---	---	---	10/16	1.0	18
	K1425	25.5	---	---	---	---	---	---	122	---	---	---	10/15	1.0	22
	KS5292	18.9	26.1	39.1	27.7	22.5	28.0	27.9	91	92	103	92	10/14	1.0	20
	MANOKIN	29.1	26.7	40.7	37.4	27.9	32.2	33.5	140	95	108	124	10/12	1.0	21
TEST AVERAGES		20.8	28.2	37.9	30.2										
LSD (.10)		2.7	4.0	4.1	3.8										

TABLE 13. SUMNER COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1999.

BRAND	ENTRY	YIELD	YIELD AS % OF	MAT	LODGING	HT
		(Bu/A)	TEST AVERAGE			
MATURITY GROUPS II-IV						
ASGROW	AG3302 *	12.8	84	9/21	1.0	16
ASGROW	AG3303 *	14.4	95	9/22	1.0	17
ASGROW	AG3701 *	14.7	97	9/28	1.0	18
ASGROW	AG3702 *	15.8	104	9/27	1.0	16
ASGROW	AG4101 *	14.2	93	10/8	1.0	19
DEKALB	CX400	15.1	100	10/7	1.0	16
DYNA-GRO	DG-3395	13.9	91	10/6	1.0	16
DYNA-GRO	DG-3402STS	13.5	89	9/30	1.0	19
MIDLAND	8371	15.7	103	9/28	1.0	18
MIDLAND	8393	16.2	107	10/2	1.0	19
MIDLAND	8396STS	16.0	105	10/5	1.0	20
MIDLAND	8410	13.8	90	10/3	1.0	17
MIDLAND	8431	21.1	139	10/8	1.0	21
MIDLAND	XA350	14.0	92	9/27	1.0	19
PIONEER	93B53 *	15.5	102	9/22	1.0	15
PIONEER	93B82	15.1	99	9/26	1.0	17
WILLCROSS	9449NSTS	17.2	113	10/8	1.0	18
WILLCROSS	9450NSTS	16.7	110	10/6	1.0	19
WILLCROSS	9738	19.3	127	10/3	1.0	17
WILLCROSS	9940N	14.7	97	10/6	1.0	19
WILLCROSS	RR2388N *	12.8	84	10/1	1.0	19
WILLCROSS	RR2449N *	18.7	123	10/9	1.0	19
WILLCROSS	RR2467N *	15.6	103	10/10	1.0	21
KSOY	KS3494	14.3	94	9/24	1.0	18
KSOY	KS4694	15.8	104	10/10	1.0	19
KSOY	MACON	13.5	89	10/4	1.0	18
KSOY	STRESSLAND	14.3	94	10/2	1.0	20
	FLYER	16.5	108	10/2	1.0	20
	HS93-4118	13.3	87	10/5	1.0	17
	IA2021	14.4	95	9/24	1.0	16
	IA3010 (A94-774021)	13.7	90	9/22	1.0	15
	K1380	15.3	100	10/4	1.0	20
	K1410	15.5	102	10/7	1.0	18
	RESNIK	14.4	95	9/22	1.0	19
	SHERMAN	13.1	86	10/4	1.0	18
	WILLIAMS 82	14.6	96	10/6	1.0	20
TEST AVERAGES		15.2				
LSD (.10)		3.5				

TABLE 14. BROWN COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (DRYLAND), 1998-1999.

BRAND	ENTRY	YIELD			YIELD AS % OF		MAT	LODGING	HT
		1999	1998	2-Yr	TEST AVERAGE	1998			
MATURITY GROUPS II-IV									
ADV. GENETICS	AG3797 RR *	41.5	52.7	47.1	118	103	10/3	1.0	31
ADV. GENETICS	AG3944NRR *	32.0	---	---	91	---	10/4	1.0	31
ADV. GENETICS	AG4437 RR *	42.4	---	---	120	---	10/11	1.0	33
ASGROW	AG3302 *	38.2	51.4	44.8	108	100	9/24	1.0	28
ASGROW	AG3701 *	36.5	57.0	46.8	104	111	10/1	1.0	31
ATLAS	5441NRR *	33.5	---	---	95	---	10/7	1.0	29
DAIRYLAND	DSR-381RR *	36.2	---	---	102	---	9/30	1.0	26
DAIRYLAND	DSR-421 *	36.2	---	---	102	---	10/8	1.0	31
DEKALB	CX367cRR *	34.3	---	---	97	---	10/1	1.0	28
DEKALB	CX392RR *	39.8	---	---	113	---	10/4	1.0	30
DYNA-GRO	DG-3370RR *	36.0	---	---	102	---	10/2	1.0	26
DYNA-GRO	DG-3372NRR *	34.5	---	---	98	---	9/27	1.0	29
DYNA-GRO	DG-3388RR *	36.5	52.0	44.2	103	101	10/3	1.0	30
FONTANELLE	9765RR *	31.2	---	---	88	---	10/3	1.0	30
GARST	D355RR *	40.4	---	---	115	---	9/28	1.0	27

(CONTINUED)

TABLE 14. BROWN COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (DRYLAND), 1998-1999. (CONTINUED)

BRAND	ENTRY	YIELD			YIELD AS % OF		MAT LODGING HT		
		(Bu/A)			TEST AVERAGE		SCORE IN		
		1999	1998	2-Yr	1999	1998	-----1999-----		
GARST	D370RR *	37.9	---	---	107	---	9/27	1.0	30
GARST	D399RR/N *	36.1	---	---	102	---	10/4	1.0	32
LEWIS	3816RR *	37.9	---	---	107	---	10/1	1.0	27
LEWIS	3999RR *	38.2	---	---	108	---	10/4	1.0	29
LEWIS	4392RR *	41.1	---	---	116	---	10/6	1.0	31
M-PRIDE	MPU398NRR *	31.2	---	---	88	---	10/4	1.0	27
M-PRIDE	MPU437NRR *	35.6	---	---	101	---	10/7	1.0	26
M-PRIDE	MPU457NRR *	34.0	---	---	96	---	10/8	1.0	32
MERSCHMAN	PHOENIX IIRR *	33.8	---	---	96	---	10/4	1.0	28
MERSCHMAN	WASHINGTON VIIRR *	33.9	50.6	42.2	96	99	10/2	1.0	27
MIDLAND	8382RR *	39.3	52.9	46.1	111	103	10/2	1.0	28
MIDLAND	8390RR *	34.5	---	---	98	---	10/2	1.0	33
MIDLAND	8394RR *	33.7	---	---	95	---	10/1	1.0	31
MIDLAND	8411BRR *	34.1	---	---	97	---	10/3	1.0	29
MIDLAND	8411RR *	33.4	52.0	42.7	95	102	10/5	1.0	30
MIDLAND	9A380RR (XA380RR) *	39.3	---	---	111	---	10/1	1.0	26
MIDLAND	XA370RR *	33.7	---	---	95	---	9/28	1.0	26
MIDLAND	XA421RR *	34.2	---	---	97	---	10/4	1.0	30
NC+	3A99RR *	36.8	---	---	104	---	10/4	1.0	27
NC+	4A29RR *	42.2	---	---	120	---	10/7	1.0	30
NK	X9930RR *	23.0	---	---	65	---	9/17	1.0	25
NK	X9934RR *	28.5	---	---	81	---	9/25	1.0	24
PRAIRIE BRAND	PB-3515RR *	32.2	---	---	91	---	10/2	1.0	26
PRAIRIE BRAND	PB-3770RR *	36.0	---	---	102	---	9/28	1.0	31
PRAIRIE BRAND	PB-3930RR *	35.4	---	---	100	---	10/3	1.0	27
PRAIRIE BRAND	PB-4100RR *	41.9	---	---	119	---	10/4	1.0	27
RENZE	EX3101R EXP *	29.6	---	---	84	---	9/24	1.0	26
RENZE	R3300R *	37.0	---	---	105	---	9/25	1.0	29
RENZE	R3500R *	37.6	---	---	107	---	9/28	1.0	30
RENZE	R3890Rcn *	33.2	---	---	94	---	10/1	1.0	32
STINE	3293-4 (3294) *	33.5	55.9	44.7	95	109	9/24	1.0	27
STINE	3503-4 *	37.0	---	---	105	---	9/27	1.0	25
STINE	3700-4 *	39.4	---	---	112	---	9/27	1.0	28
TAYLOR	355RR *	34.1	---	---	97	---	10/2	1.0	30
TAYLOR	390RR *	34.7	---	---	98	---	10/3	1.0	27
TAYLOR	415RR *	34.9	53.7	44.3	99	105	10/7	1.0	32
TERRA	TS336RR *	34.4	---	---	97	---	9/27	1.0	27
TERRA	TS3680RR *	28.7	---	---	81	---	9/27	1.0	30
TERRA	TS387RR *	36.2	---	---	102	---	10/2	1.0	26
TRIUMPH	TR3939RR *	34.8	50.5	42.6	99	99	10/2	1.0	32
U.S. SEEDS	US S3209RR *	35.8	---	---	101	---	9/27	1.0	29
U.S. SEEDS	US S3609RR *	32.4	---	---	92	---	9/30	1.0	29
U.S. SEEDS	US S3909RR *	40.9	---	---	116	---	10/1	1.0	26
U.S. SEEDS	US S4409RR *	36.0	---	---	102	---	10/6	1.0	29
U.S. SEEDS	US S4809RR *	33.8	---	---	96	---	10/8	1.0	31
WILFARM	WF370RR *	28.3	---	---	80	---	10/1	1.0	24
WILLCROSS	RR2300 *	31.9	---	---	90	---	9/22	1.0	25
WILLCROSS	RR2320N *	32.0	---	---	91	---	9/23	1.0	29
WILLCROSS	RR2338 *	30.1	54.0	42.1	85	105	9/24	1.0	32
WILLCROSS	RR2350 *	39.7	---	---	112	---	10/1	1.0	29
WILLCROSS	RR2357 *	30.0	56.7	43.3	85	111	9/30	1.0	28
WILLCROSS	RR2368 *	35.3	53.4	44.3	100	104	10/1	1.0	28
WILLCROSS	RR2388N *	37.8	---	---	107	---	9/30	1.0	27
WILLCROSS	RR2397 *	36.8	48.2	42.5	104	94	10/5	1.0	30
WILSON	E9370RR *	39.8	---	---	113	---	10/2	1.0	25
KSOY	KS4694	35.0	54.8	44.9	99	107	10/11	1.0	26
KSOY	MACON	32.3	53.7	43.0	92	105	10/4	1.0	23
	HS93-4118	35.9	---	---	102	---	10/3	1.0	26
	IA3010 (A94-774021)	36.1	---	---	102	---	9/24	1.0	23
TEST AVERAGES		35.3	51.2						
LSD (.10)		4.7	4.1						

TABLE 15. SHAWNEE COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (IRRIGATED), 1998-1999.

BRAND	ENTRY	YIELD			YIELD AS % OF		MAT LODGING HT		
		(Bu/A)			TEST AVERAGE		SCORE IN		
		1999	1998	2-Yr	1999	1998	-----1999-----		
MATURITY GROUPS II-IV									
ADV. GENETICS	AG3667 RR *	65.7	64.4	65.1	102	106	10/3	3.0	44
ADV. GENETICS	AG3797 RR *	66.2	61.7	63.9	103	102	10/0	2.0	47
ADV. GENETICS	AG3886RR *	59.1	---	---	92	---	10/3	2.7	50
ADV. GENETICS	AG3944NRR *	47.4	---	---	74	---	10/7	2.3	50
ADV. GENETICS	AG3957 RR *	59.0	---	---	92	---	10/6	2.0	48
ASGROW	AG3302 *	65.1	---	---	101	---	9/27	2.0	48
ASGROW	AG3701 *	64.2	---	---	100	---	10/3	2.7	46
ASGROW	AG4301 *	64.0	---	---	100	---	10/12	2.3	49
ATLAS	5441NRR *	68.7	---	---	107	---	10/10	2.7	52
DEKALB	CX392RR *	56.2	---	---	87	---	10/1	2.3	48
DEKALB	CX444cRR *	63.7	---	---	99	---	10/10	2.0	48
DYNA-GRO	DG-3370RR *	55.7	---	---	87	---	10/0	1.7	47
DYNA-GRO	DG-3372NRR *	70.5	---	---	110	---	9/28	1.0	48
DYNA-GRO	DG-3388RR *	57.0	69.1	63.1	89	114	10/2	2.7	47
DYNA-GRO	DG-3394RR *	55.8	---	---	87	---	10/5	1.3	44
DYNA-GRO	DG-3401NRR *	61.9	---	---	96	---	10/13	3.0	52
DYNA-GRO	DG-3442NRR *	65.5	---	---	102	---	10/11	3.0	47
GARST	D355RR *	71.2	---	---	111	---	9/29	2.7	45
GARST	D370RR *	63.3	---	---	98	---	10/1	2.0	48
GARST	D399RR/N *	62.0	---	---	97	---	10/5	1.7	45
GARST	D437RR/N *	68.5	---	---	107	---	10/9	2.3	52
MIDLAND	8382RR *	64.0	58.9	61.4	100	97	10/2	2.0	50
MIDLAND	8390RR *	75.3	65.4	70.4	117	108	10/3	2.0	46
MIDLAND	8394RR *	64.9	65.8	65.3	101	108	10/4	3.3	49
MIDLAND	8411BRR *	60.0	---	---	93	---	10/4	1.7	45
MIDLAND	8411RR *	57.2	64.6	60.9	89	106	10/5	2.3	47
MIDLAND	9A340NRR *	73.1	---	---	114	---	9/30	1.3	41
MIDLAND	9A360RR *	67.4	---	---	105	---	10/5	2.0	46
MIDLAND	9A380RR (XA380RR) *	65.4	---	---	102	---	10/4	2.7	44
MIDLAND	9B350RR (XB350RR) *	64.4	---	---	100	---	9/28	1.7	48
MIDLAND	9G370RR *	65.4	---	---	102	---	9/30	1.3	46
MIDLAND	XA370RR *	78.8	---	---	123	---	9/29	1.7	45
MIDLAND	XA400RR *	76.0	---	---	118	---	10/3	2.3	41
MIDLAND	XA421RR *	58.6	---	---	91	---	10/6	2.3	50
NC+	3A99RR *	70.8	---	---	110	---	10/3	1.7	42
NC+	4A29RR *	65.4	---	---	102	---	10/9	2.0	46
PRAIRIE BRAND	PB-3930RR *	64.9	---	---	101	---	10/7	2.0	46
RENZE	EX3101R EXP *	72.1	---	---	112	---	9/25	1.0	41
RENZE	R3300R *	54.0	---	---	84	---	10/0	2.3	50
RENZE	R3500R *	66.8	---	---	104	---	10/2	2.0	47
RENZE	R3890Rcn *	55.3	---	---	86	---	10/3	1.7	47
STINE	3503-4 *	75.1	---	---	117	---	9/30	1.7	42
STINE	3700-4 *	62.8	---	---	98	---	10/2	1.7	46
STINE	4001-4 *	69.6	---	---	108	---	10/5	2.0	43
TAYLOR	385RR *	57.8	---	---	90	---	10/2	2.0	47
TAYLOR	390RR *	59.4	---	---	92	---	10/3	1.7	43
TAYLOR	394RR *	71.7	---	---	112	---	10/3	2.7	46
TERRA	TS3680RR *	63.2	---	---	98	---	9/29	1.3	46
TERRA	TS387RR *	60.6	---	---	94	---	9/30	1.3	40
TERRA	TS396RR *	63.7	---	---	99	---	10/5	2.3	46
TRIUMPH	TR4339RR *	56.9	---	---	88	---	10/10	2.3	49
WILLCROSS	RR2368 *	65.3	61.2	63.2	102	101	10/2	2.0	48
WILLCROSS	RR2388N *	58.6	---	---	91	---	9/29	2.0	44
WILLCROSS	RR2397 *	66.7	60.8	63.7	104	100	10/7	2.3	48
KSOY	KS4694	62.1	44.7	53.4	97	74	10/13	2.3	44
KSOY	MACON	67.0	56.4	61.7	104	93	10/3	2.0	41
	HS93-4118	74.6	---	---	116	---	10/5	2.7	42
	IA3010 (A94-774021)	61.9	---	---	96	---	9/26	1.0	36
TEST AVERAGES		64.3	60.6						
LSD (.10)		10.1	6.0						

TABLE 16. FRANKLIN COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (DRYLAND), 1998-1999.

BRAND	ENTRY	YIELD			YIELD AS % OF		MAT LODGING HT		
		(Bu/A)			TEST AVERAGE		SCORE IN		
		1999	1998	2-Yr	1999	1998	-----1999-----		
MATURITY GROUPS II-IV									
ADV. GENETICS	AG3797 RR *	41.5	---	---	105	---	10/6	1.0	28
ADV. GENETICS	AG3944NRR *	38.5	---	---	98	---	10/5	1.0	31
ADV. GENETICS	AG4437 RR *	38.8	39.6	39.2	99	90	10/8	1.0	33
ADV. GENETICS	AG5277 RR *	39.7	---	---	101	---	10/14	1.0	35
ASGROW	AG3701 *	36.0	---	---	91	---	10/1	1.0	27
ASGROW	AG4301 *	41.6	---	---	106	---	10/8	1.0	27
ASGROW	AG4702 *	41.3	---	---	105	---	10/8	1.0	29
ATLAS	5441NRR *	43.1	---	---	109	---	10/8	1.0	29
DEKALB	CX392RR *	40.8	---	---	104	---	10/5	1.0	29
DEKALB	CX444cRR *	37.5	---	---	95	---	10/8	1.0	27
DYNA-GRO	DG-3370RR *	42.2	---	---	107	---	10/5	1.0	27
DYNA-GRO	DG-3372NRR *	33.7	---	---	86	---	10/1	1.0	27
DYNA-GRO	DG-3388RR *	38.4	50.0	44.2	98	113	10/5	1.0	28
DYNA-GRO	DG-3394RR *	39.0	---	---	99	---	10/6	1.0	25
DYNA-GRO	DG-3401NRR *	40.5	---	---	103	---	10/5	1.0	28
DYNA-GRO	DG-3424RR *	37.2	45.5	41.4	94	103	10/8	1.0	30
DYNA-GRO	DG-3442NRR *	43.4	---	---	110	---	10/9	1.0	30
DYNA-GRO	DG-3468NRR *	44.5	---	---	113	---	10/9	1.0	27
GARST	D399RR/N *	39.2	---	---	100	---	10/5	1.0	29
GARST	D437RR/N *	41.4	45.5	43.4	105	103	10/8	1.0	32
HOEGEMEYER	389RR *	41.0	---	---	104	---	10/6	1.0	26
HOEGEMEYER	407NRR *	37.2	---	---	94	---	10/5	1.0	28
HOEGEMEYER	428RR *	40.8	---	---	104	---	10/8	1.0	30
HYTEST	HTS4301RR *	39.9	---	---	101	---	10/8	1.0	30
HYTEST	HTS4800RR *	38.5	---	---	98	---	10/12	1.0	36
M-PRIDE	MPU398NRR *	38.3	---	---	97	---	10/3	1.0	25
M-PRIDE	MPU437NRR *	38.2	---	---	97	---	10/8	1.0	23
M-PRIDE	MPU457NRR *	34.1	---	---	87	---	10/8	1.0	28
MIDLAND	8390RR *	38.0	---	---	96	---	10/4	1.0	30
MIDLAND	8394RR *	43.3	43.7	43.5	110	99	10/5	1.0	29
MIDLAND	8411BRR *	38.4	---	---	98	---	10/5	1.0	26
MIDLAND	8411RR *	37.9	46.1	42.0	96	105	10/5	1.0	28
MIDLAND	9A430RR *	36.9	---	---	94	---	10/8	1.0	30
MIDLAND	XA400RR *	40.6	---	---	103	---	10/3	1.0	25
MIDLAND	XA421RR *	37.8	---	---	96	---	10/5	1.0	29
MIDLAND	XA440NRR *	35.3	---	---	89	---	10/6	1.0	28
NC+	4A29RR *	41.5	---	---	105	---	10/8	1.0	26
NK	S46-W8 *	38.9	44.1	41.5	99	100	10/8	1.0	28
STINE	4001-4 *	42.6	---	---	108	---	10/4	1.0	25
STINE	4292-4 *	36.6	---	---	93	---	10/8	1.0	30
TAYLOR	385RR *	40.6	---	---	103	---	10/4	1.0	31
TAYLOR	390RR *	39.0	---	---	99	---	10/6	1.0	24
TAYLOR	415RR *	41.4	46.5	43.9	105	106	10/8	1.0	31
TAYLOR	445RR *	45.4	---	---	115	---	10/8	1.0	30
TERRA	TS387RR *	34.2	---	---	87	---	10/3	1.0	25
TERRA	TS396RR *	41.4	---	---	105	---	10/5	1.0	27
TERRA	TS4280RR *	36.5	45.0	40.8	93	102	10/8	1.0	30
TERRA	TS466RR *	35.5	39.9	37.7	90	91	10/8	1.0	33
TRIUMPH	TR3939RR *	39.8	46.9	43.3	101	106	10/5	1.0	31
TRIUMPH	TR4319RR *	40.5	---	---	103	---	10/8	1.0	29
U.S. SEEDS	US S3209RR *	35.4	---	---	90	---	9/29	1.0	27
U.S. SEEDS	US S3609RR *	37.0	---	---	94	---	10/1	1.0	26
U.S. SEEDS	US S3909RR *	38.3	---	---	97	---	10/4	1.0	24
U.S. SEEDS	US S4409RR *	42.1	---	---	107	---	10/9	1.0	28
U.S. SEEDS	US S4809RR *	41.8	---	---	106	---	10/11	1.0	32
WILFARM	WF370RR *	34.1	---	---	87	---	10/4	1.0	22
WILLCROSS	RR2388N *	41.7	---	---	106	---	10/4	1.0	26
WILLCROSS	RR2397 *	39.6	43.6	41.6	101	99	10/7	1.0	28
WILLCROSS	RR2449N *	40.0	44.3	42.1	101	100	10/8	1.0	29
WILLCROSS	RR2469N *	38.6	---	---	98	---	10/8	1.0	30
KSOY	KS4694	41.7	42.8	42.2	106	97	10/8	1.0	27
KSOY	MACON	41.4	49.9	45.7	105	113	10/5	1.0	25
	HS93-4118	41.5	---	---	105	---	10/5	1.0	25
	IA3010 (A94-774021)	39.7	---	---	101	---	9/27	1.0	21
TEST AVERAGES		39.4	44.1						
LSD (.10)		3.9	2.8						

TABLE 17. CHEROKEE COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (DRYLAND), 1998-1999.

BRAND	ENTRY	YIELD (Bu/A)			YIELD AS % OF TEST AVERAGE		MAT LODGING HT SCORE IN		
		1999	1998	2-Yr	1999	1998	-----1999-----		
MATURITY GROUPS II-IV									
ATLAS	5441NRR *	27.9	---	---	109	---	10/9	1.0	21
DAIRYLAND	DSR-381RR *	23.3	---	---	91	---	9/24	1.0	16
DAIRYLAND	DSR-421 *	28.1	---	---	110	---	10/6	1.0	21
DEKALB	CX444cRR *	24.8	---	---	97	---	10/8	1.0	21
DELTAPINE	DP 4344RR *	28.0	42.5	35.2	110	95	10/5	1.0	25
DELTAPINE	DP 4690RR *	28.0	---	---	110	---	10/9	1.0	22
DYNA-GRO	DG-3401NRR *	25.5	---	---	100	---	9/29	1.0	20
DYNA-GRO	DG-3442NRR *	23.7	---	---	93	---	10/6	1.0	20
DYNA-GRO	DG-3468NRR *	24.5	---	---	96	---	10/10	1.0	17
GARST	D437RR/N *	27.5	47.9	37.7	108	107	10/9	1.0	22
GARST	D450RR/N *	25.3	---	---	99	---	10/5	1.0	20
M-PRIDE	MPU437NRR *	26.2	---	---	103	---	10/6	1.0	17
M-PRIDE	MPU457NRR *	27.7	---	---	109	---	10/9	1.0	21
MIDLAND	XA440NRR *	25.2	---	---	99	---	10/7	1.0	22
NK	S46-W8 *	28.9	49.6	39.2	113	111	10/8	1.0	22
TAYLOR	445RR *	27.6	---	---	108	---	10/8	1.0	20
TAYLOR	488RR *	31.4	---	---	123	---	10/10	1.0	24
TERRA	TS4280RR *	25.3	---	---	99	---	10/8	1.0	20
TERRA	TS466RR *	29.2	48.6	38.9	115	109	10/5	1.0	26
U.S. SEEDS	US S4409RR *	26.5	---	---	104	---	10/8	1.0	21
WILFARM	WF370RR *	19.7	---	---	77	---	9/28	1.0	14
WILLCROSS	RR2449N *	26.1	48.9	37.5	102	110	10/8	1.0	20
WILLCROSS	RR2467N *	27.8	45.7	36.7	109	102	10/8	1.0	26
WILLCROSS	RR2469N *	28.7	---	---	113	---	10/8	1.0	22
KSOY	KS4694	19.2	43.6	31.4	75	98	10/10	1.0	14
KSOY	MACON	21.3	---	---	83	---	9/29	1.0	16
	HS93-4118	17.0	---	---	67	---	9/30	1.0	15
	IA3010 (A94-774021)	19.8	---	---	77	---	10/6	1.0	13
TEST AVERAGES		25.5	44.6						
LSD (.10)		3.5	7.2						
MATURITY GROUPS IVS-V									
ADV. GENETICS	AG5277 RR *	35.0	43.5	39.3	116	90	10/14	1.0	27
ASGROW	AG4702 *	26.9	---	---	89	---	10/7	1.0	22
ASGROW	AG5401 *	35.1	---	---	116	---	10/16	1.0	26
DEKALB	CX556cRR *	31.2	---	---	103	---	10/12	1.0	26
DELTAPINE	DP 4750RR *	29.2	---	---	97	---	10/10	1.0	26
GARST	D484RR/N *	26.6	---	---	88	---	10/12	1.0	24
M-PRIDE	MPU537NRR *	30.8	---	---	102	---	10/14	1.0	25
MIDLAND	8540RR *	34.7	51.1	42.9	115	105	10/14	1.0	23
MIDLAND	XA480NRR *	28.7	---	---	95	---	10/10	1.0	27
MIDLAND	XB480RR *	30.4	---	---	100	---	10/10	1.0	25
NC+	4N49RR *	27.1	---	---	90	---	10/6	1.0	22
NC+	4N79RR *	27.7	---	---	92	---	10/11	1.0	24
NK	S51-T1 *	29.8	45.7	37.8	99	94	10/14	1.0	34
NK	S59-V6 *	35.6	---	---	118	---	10/17	1.0	26
STINE	4802-4 *	27.4	---	---	91	---	10/10	1.0	25
TERRA	TS556RR *	29.1	46.6	37.9	96	96	10/13	1.0	27
TRIUMPH	TR4718RR *	28.0	---	---	93	---	10/7	1.0	27
TRIUMPH	TR5409RR *	32.2	49.7	41.0	107	103	10/14	1.0	25
U.S. SEEDS	US S4809RR *	27.7	---	---	92	---	10/10	1.0	24
WILFARM	WF480RR *	29.7	---	---	98	---	10/9	1.0	25
WILLCROSS	RR2480 *	31.1	---	---	103	---	10/10	1.0	27
WILLCROSS	RR2490N *	30.3	---	---	100	---	10/9	1.0	25
WILLCROSS	RR2517N *	30.9	54.0	42.5	102	111	10/14	1.0	23
WILLCROSS	RR2520N *	34.7	---	---	115	---	10/15	1.0	23
KSOY	DELLOY 5500	30.5	46.7	38.6	101	96	10/16	1.0	23
KSOY	KS4997	25.5	50.3	37.9	84	104	10/9	1.0	18
TEST AVERAGES		30.2	48.5						
LSD (.10)		4.4	5.8						

TABLE 18. REPUBLIC COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (IRRIGATED), 1998-1999.

BRAND	ENTRY	YIELD			YIELD AS % OF		MAT LODGING HT		
		(Bu/A)			TEST AVERAGE		SCORE IN		
		1999	1998	2-Yr	1999	1998	-----1999-----		
MATURITY GROUPS II-IV									
ADV. GENETICS	AG3797 RR *	71.3	63.5	67.4	100	102	10/5	1.0	36
ADV. GENETICS	AG3886RR *	70.5	---	---	98	---	10/5	1.0	37
ADV. GENETICS	AG3944NRR *	72.0	---	---	100	---	10/6	1.0	39
ADV. GENETICS	AG3957 RR *	72.3	63.6	67.9	101	102	10/7	1.0	39
ASGROW	AG3002 *	71.6	60.7	66.2	100	97	9/30	1.0	32
ASGROW	AG3003 *	70.5	---	---	98	---	9/30	1.0	30
ASGROW	AG3302 *	76.5	66.1	71.3	107	106	10/2	1.0	38
ASGROW	AG3303 *	73.7	---	---	103	---	10/2	1.0	34
ASGROW	AG3701 *	71.3	57.9	64.6	100	93	10/4	1.0	38
ATLAS	5316RR *	69.2	---	---	97	---	10/1	1.0	32
ATLAS	5370RR *	70.4	---	---	98	---	10/3	1.0	35
DEKALB	CX285RR *	70.8	---	---	99	---	9/27	1.0	37
DEKALB	CX367cRR *	71.3	---	---	100	---	10/3	1.0	40
DYNA-GRO	DG-3370RR *	75.7	---	---	106	---	10/2	1.0	37
DYNA-GRO	DG-3372NRR *	70.0	---	---	98	---	10/2	1.0	38
DYNA-GRO	DG-3388RR *	73.4	---	---	103	---	10/3	1.0	39
FONTANELLE	9765RR *	75.2	---	---	105	---	10/5	1.0	40
GARST	D355RR *	71.9	---	---	100	---	10/3	1.0	39
GARST	D370RR *	70.1	---	---	98	---	10/4	1.0	38
GARST	D399RR/N *	69.5	---	---	97	---	10/7	1.0	41
HOEGEMEYER	346RR *	70.5	---	---	98	---	10/2	1.0	33
HOEGEMEYER	389RR *	72.4	---	---	101	---	10/6	1.0	37
HOEGEMEYER	407NRR *	71.7	---	---	100	---	10/10	1.0	36
HYTEST	HTS3600RR *	71.8	---	---	100	---	10/3	1.0	34
HYTEST	HTS4000RR *	69.9	---	---	98	---	10/10	1.0	41
HYTEST	HTS4301RR *	69.9	---	---	98	---	10/9	1.0	41
MIDLAND	8322RR *	71.4	73.3	72.3	100	117	10/1	1.0	36
MIDLAND	8382RR *	74.6	67.9	71.3	104	109	10/4	1.0	41
MIDLAND	9A270RR *	72.9	---	---	102	---	9/26	1.0	31
MIDLAND	9A280RR *	72.1	---	---	101	---	9/30	1.0	37
MIDLAND	9A340NRR *	72.0	---	---	101	---	10/2	1.0	37
MIDLAND	9A380RR (XA380RR) *	69.5	---	---	97	---	10/5	1.0	35
MIDLAND	9B350RR (XB350RR) *	72.3	---	---	101	---	10/3	1.0	35
MIDLAND	9E320RR *	71.2	---	---	99	---	10/2	1.0	38
MIDLAND	9G370RR *	71.4	---	---	100	---	10/4	1.0	39
NC+	3A77RR *	70.7	---	---	99	---	10/3	1.0	36
NC+	3A99RR *	69.5	---	---	97	---	10/6	1.0	36
NK	S39-D9 *	70.4	---	---	98	---	10/6	1.0	37
NK	X9930RR *	70.1	---	---	98	---	10/3	1.0	30
NK	X9934RR *	73.7	---	---	103	---	10/2	1.0	34
RENZE	EX3101R EXP *	71.0	---	---	99	---	10/2	1.0	34
RENZE	R3300R *	72.7	---	---	102	---	10/2	1.0	38
RENZE	R3500R *	72.2	---	---	101	---	10/2	1.0	37
RENZE	R3890Rcn *	68.8	---	---	96	---	10/5	1.0	39
STINE	3700-4 *	72.7	---	---	102	---	10/4	1.0	34
STINE	4292-4 *	69.3	---	---	97	---	9/26	1.0	38
TAYLOR	390RR *	69.8	---	---	98	---	10/6	1.0	34
TRIUMPH	TR3519RR *	73.1	---	---	102	---	10/2	1.0	34
WILLCROSS	RR2368 *	73.5	---	---	103	---	9/25	1.0	38
WILLCROSS	RR2388N *	72.5	---	---	101	---	9/26	1.0	38
WILLCROSS	RR2397 *	71.0	---	---	99	---	9/25	1.0	39
KSOY	KS4694	69.0	57.0	63.0	96	91	10/10	1.0	39
KSOY	MACON	70.9	67.2	69.1	99	108	10/4	1.0	39
	HS93-4118	70.0	---	---	98	---	10/10	1.0	33
	IA3010 (A94-774021)	74.4	---	---	104	---	9/30	1.0	33
TEST AVERAGES		71.6	62.5						
LSD (.10)		3.1	2.9						

TABLE 19. HARVEY COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (DRYLAND), 1998-1999.

BRAND	ENTRY	YIELD (Bu/A)			YIELD AS % OF TEST AVERAGE		MAT	LODGING SCORE	HT IN
		1999	1998	2-Yr	1999	1998			
MATURITY GROUPS II-III									
ADV. GENETICS	AG3797 RR *	18.5	28.3	23.4	84	101	9/23	1.8	33
ADV. GENETICS	AG3957 RR *	23.4	28.3	25.9	106	100	9/23	1.0	31
ASGROW	AG3303 *	21.1	---	---	95	---	9/14	1.1	30
ASGROW	AG3701 *	21.1	31.3	26.2	95	111	9/23	1.0	32
ASGROW	AG3702 *	25.3	---	---	114	---	9/21	1.0	32
DEKALB	CX367cRR *	21.7	---	---	98	---	9/26	1.0	30
DEKALB	CX392RR *	22.1	---	---	100	---	9/18	1.0	34
DYNA-GRO	DG-3370RR *	20.5	---	---	93	---	9/23	1.3	31
DYNA-GRO	DG-3372NRR *	22.3	---	---	101	---	9/15	1.8	32
DYNA-GRO	DG-3388RR *	18.9	28.0	23.4	85	100	9/22	1.1	33
DYNA-GRO	DG-3394RR *	21.4	---	---	97	---	9/21	1.0	31
GARST	D399RR/N *	24.7	---	---	112	---	9/18	1.0	34
MIDLAND	8382RR *	20.9	31.7	26.3	95	113	9/19	1.3	35
MIDLAND	8390RR *	24.7	---	---	112	---	9/20	1.0	36
MIDLAND	8394RR *	21.0	---	---	95	---	9/22	1.1	34
MIDLAND	9A380RR (XA380RR) *	21.8	---	---	99	---	9/19	1.0	29
MIDLAND	9B350RR (XB350RR) *	19.6	---	---	88	---	9/19	1.1	30
MIDLAND	XE370RR *	21.4	---	---	97	---	9/18	1.0	29
NK	S39-D9 *	21.8	29.8	25.8	98	106	9/20	1.0	28
STINE	3203-4 *	22.4	---	---	101	---	9/7	1.0	28
TRIUMPH	TR3939RR *	20.8	---	---	94	---	9/18	1.0	33
WILLCROSS	RR2368 *	24.3	---	---	110	---	9/20	1.0	33
WILLCROSS	RR2388N *	20.8	---	---	94	---	9/25	1.1	30
WILLCROSS	RR2397 *	24.3	24.8	24.5	110	88	9/24	1.4	35
WILSON	E9370RR *	22.1	---	---	100	---	9/16	1.1	31
KSOY	MACON	24.9	24.6	24.7	112	87	9/19	1.0	28
	IA3010 (A94-774021)	25.6	---	---	116	---	9/12	1.0	26
TEST AVERAGES		22.1	28.2						
LSD (.10)		5.6	3.1						
MATURITY GROUP IV									
ASGROW	AG4101 *	15.1	---	---	81	---	9/24	1.4	33
ASGROW	AG4402 *	16.6	---	---	89	---	10/3	1.0	35
ATLAS	5441NRR *	16.9	---	---	91	---	9/27	1.0	35
DELTAPINE	DP 4344RR *	19.3	22.3	20.8	104	91	10/3	1.1	39
DYNA-GRO	DG-3401NRR *	19.8	---	---	106	---	9/20	1.1	32
DYNA-GRO	DG-3424RR *	18.2	26.5	22.3	98	108	10/2	1.0	36
GARST	D437RR/N *	19.4	26.7	23.0	104	109	9/30	1.0	37
HOEGEMEYER	407NRR *	19.5	---	---	104	---	9/22	1.0	32
HOEGEMEYER	EXP 443RR *	19.1	---	---	102	---	9/27	1.1	34
HYTEST	HTS4301RR *	18.9	---	---	101	---	10/0	1.3	35
HYTEST	HTS4800RR *	15.7	---	---	84	---	10/9	1.1	39
MIDLAND	8411BRR *	20.6	---	---	110	---	9/23	1.3	32
MIDLAND	8411RR *	20.6	27.8	24.2	110	113	9/25	1.4	32
MIDLAND	8422RR *	20.6	28.2	24.4	111	115	9/27	1.1	31
NK	S46-W8 *	20.6	26.3	23.5	111	108	10/2	1.3	37
TRIUMPH	TR4339RR *	20.1	---	---	108	---	10/2	1.4	33
WILLCROSS	RR2469N *	14.8	---	---	79	---	10/3	1.0	33
KSOY	KS4694	19.9	25.3	22.6	106	103	10/6	1.0	33
	HS93-4118	19.0	---	---	102	---	9/16	1.0	27
TEST AVERAGES		18.7	24.5						
LSD (.10)		4.4	3.0						
LSD (.10 BETWEEN MATURITY GROUPS)		5.7	3.5						

TABLE 20. STAFFORD COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (IRRIGATED), 1998-1999.

BRAND	ENTRY	YIELD (Bu/A)			YIELD AS % OF TEST AVERAGE		MAT LODGING HT SCORE IN		
		1999	1998	2-Yr	1999	1998	-----1999-----		
MATURITY GROUPS II-IV									
ADV. GENETICS	AG3797 RR *	40.3	24.7	32.5	98	98	10/2	1.3	29
ADV. GENETICS	AG3886RR *	33.6	---	---	82	---	9/29	1.5	26
ADV. GENETICS	AG3957 RR *	44.7	27.2	35.9	109	108	10/5	1.3	30
ASGROW	AG3303 *	33.0	---	---	80	---	9/24	1.0	24
ASGROW	AG3701 *	41.0	30.3	35.7	100	120	10/1	1.3	32
ASGROW	AG3702 *	41.6	---	---	102	---	9/28	1.0	25
ASGROW	AG4101 *	46.5	---	---	114	---	10/6	1.0	31
ASGROW	AG4402 *	44.9	---	---	110	---	10/6	2.0	30
DAIRYLAND	DSR-381RR *	32.5	---	---	79	---	9/29	1.5	27
DAIRYLAND	DSR-421 *	44.6	---	---	109	---	10/4	1.0	33
DEKALB	CX392RR *	38.2	---	---	93	---	9/30	1.3	31
DEKALB	CX444cRR *	44.8	---	---	109	---	10/9	1.3	27
DELTAPINE	DP 4344RR *	52.2	33.8	43.0	127	134	10/10	2.0	35
DELTAPINE	DP 4690RR *	47.6	---	---	116	---	10/10	1.0	35
DELTAPINE	DP 4750RR *	45.1	46.9	46.0	110	186	10/10	1.0	36
DYNA-GRO	DG-3370RR *	39.1	---	---	96	---	10/1	1.8	24
DYNA-GRO	DG-3388RR *	38.3	---	---	94	---	10/3	1.3	29
DYNA-GRO	DG-3394RR *	37.0	---	---	90	---	10/1	1.3	25
DYNA-GRO	DG-3442NRR *	47.1	---	---	115	---	10/6	1.8	29
GARST	D355RR *	39.6	---	---	97	---	9/25	1.0	30
GARST	D370RR *	40.9	---	---	100	---	10/1	1.0	28
GARST	D399RR/N *	36.0	---	---	88	---	9/30	1.5	33
HOEGEMEYER	407NRR *	43.1	---	---	105	---	9/30	1.0	29
HOEGEMEYER	EXP 443RR *	43.4	---	---	106	---	10/5	1.5	32
MIDLAND	8390RR *	39.4	---	---	96	---	9/29	1.3	33
MIDLAND	8394RR *	39.4	---	---	96	---	9/30	1.3	29
MIDLAND	8411BRR *	45.0	---	---	110	---	10/3	1.0	28
MIDLAND	8411RR *	44.2	32.7	38.4	108	130	10/5	1.0	30
MIDLAND	9A380RR (XA380RR) *	34.6	---	---	84	---	9/28	1.0	25
MIDLAND	9B350RR (XB350RR) *	40.6	---	---	99	---	9/30	1.0	26
MIDLAND	XE370RR *	41.5	---	---	101	---	10/2	1.3	24
MIDWEST SEED	G 3922NRR *	41.2	---	---	101	---	10/1	1.5	29
MIDWEST SEED	G 3925RR *	43.8	---	---	107	---	10/0	1.0	32
NC+	3A77RR *	36.3	---	---	89	---	9/30	1.0	26
NC+	3A99RR *	34.5	---	---	84	---	10/4	1.3	27
NC+	4A29RR *	42.1	---	---	103	---	10/5	1.0	30
NK	S39-D9 *	45.9	20.9	33.4	112	83	10/3	1.3	25
NK	X9934RR *	41.8	---	---	102	---	9/26	1.0	25
STINE	3700-4 *	34.7	---	---	85	---	9/26	1.3	26
STINE	4001-4 *	41.1	---	---	100	---	10/2	1.3	27
TRIUMPH	TR4339RR *	47.0	---	---	115	---	10/7	1.5	31
WILFARM	WF480RR *	41.2	---	---	100	---	10/10	1.5	32
WILLCROSS	RR2388N *	43.9	---	---	107	---	9/28	1.3	27
WILLCROSS	RR2397 *	39.3	18.5	28.9	96	73	10/6	1.3	30
WILLCROSS	RR2449N *	48.1	27.7	37.9	118	110	10/9	1.0	29
WILSON	E9370RR *	36.2	---	---	88	---	9/30	1.8	27
KSOY	KS4694	49.4	28.6	39.0	121	113	10/9	1.3	29
KSOY	MACON	36.3	---	---	89	---	10/1	1.0	26
	HS93-4118	35.4	---	---	86	---	10/1	1.0	25
	IA3010 (A94-774021)	30.4	---	---	74	---	9/26	1.0	21
TEST AVERAGES		41.0	25.3						
LSD (.10)		6.3	5.5						

TABLE 21. THOMAS COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (IRRIGATED), 1998-1999.

BRAND	ENTRY	YIELD (Bu/A)			YIELD AS % OF TEST AVERAGE		MAT	LODGING SCORE	HT IN
		1999	1998	2-Yr	1999	1998			
MATURITY GROUPS II-IV									
ASGROW	AG3002 *	67.5	76.3	71.9	102	110	9/28	1.5	29
ASGROW	AG3003 *	70.0	---	---	105	---	10/0	1.3	31
ASGROW	AG3302 *	66.8	76.8	71.8	100	111	9/28	1.3	33
ASGROW	AG3303 *	64.7	---	---	97	---	10/1	1.0	33
DEKALB	CX285RR *	64.8	---	---	97	---	9/24	1.3	31
DEKALB	CX367cRR *	65.3	---	---	98	---	9/30	1.5	33
DYNA-GRO	DG-3306RR *	62.6	---	---	94	---	9/24	1.0	32
DYNA-GRO	DG-3312RR *	60.4	---	---	91	---	9/25	1.0	32
DYNA-GRO	DG-3334RR *	67.2	---	---	101	---	9/28	2.0	32
GARST	D305 RR *	61.8	70.9	66.4	93	102	9/25	1.0	32
MIDLAND	8382RR *	71.7	71.7	71.7	108	103	10/3	1.8	35
MIDLAND	9B350RR (XB350RR) *	68.6	---	---	103	---	9/29	1.3	32
NC+	2A88RR *	63.4	---	---	95	---	9/23	1.3	30
NC+	2A97RR *	61.0	---	---	92	---	9/27	1.5	32
NC+	3A19RR *	59.3	---	---	89	---	9/25	1.0	29
NK	X9930RR *	61.8	---	---	93	---	9/22	1.3	29
STINE	3503-4 *	77.2	---	---	116	---	9/30	1.5	29
TRIUMPH	TR3939RR *	64.4	---	---	97	---	10/4	2.5	35
U.S. SEEDS	US S3209RR *	67.2	---	---	101	---	9/27	1.0	35
U.S. SEEDS	US S3609RR *	66.2	---	---	99	---	9/30	1.0	33
U.S. SEEDS	US S3909RR *	67.4	---	---	101	---	10/1	1.8	31
U.S. SEEDS	US S4409RR *	63.0	---	---	95	---	10/10	3.0	34
U.S. SEEDS	US S4809RR *	78.3	---	---	118	---	10/10	2.8	38
WILFARM	WF370RR *	74.5	---	---	112	---	10/6	1.0	34
KSOY	KS4694	67.6	61.8	64.7	102	89	10/11	2.5	35
KSOY	MACON	67.5	67.0	67.2	101	97	9/28	1.5	33
	HS93-4118	67.0	---	---	101	---	10/2	2.0	33
	IA3010 (A94-774021)	64.2	---	---	97	---	9/28	1.0	29
TEST AVERAGES		66.5	69.3						
LSD (.10)		6.8	5.5						

TABLE 22. GREELEY COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (DRYLAND), 1999.

BRAND	ENTRY	YIELD	YIELD AS % OF	MAT	LODGING SCORE	HT IN
		(Bu/A)	TEST AVERAGE			
MATURITY GROUPS II-IV						
ASGROW	AG3002 *	26.4	110	9/18	1.0	25
ASGROW	AG3003 *	24.5	102	9/20	1.0	27
ASGROW	AG3302 *	23.4	97	9/16	1.0	28
ASGROW	AG3303 *	21.9	91	9/21	1.0	31
DEKALB	CX367cRR *	21.5	89	9/22	1.0	29
DEKALB	CX392RR *	26.9	112	9/27	1.0	31
MIDLAND	8382RR *	25.8	107	9/27	1.0	32
MIDLAND	8390RR *	27.6	115	9/23	1.0	34
MIDLAND	8394RR *	25.5	106	9/24	1.0	32
MIDLAND	8411BRR *	26.3	109	9/26	1.0	30
MIDLAND	8411RR *	25.6	106	9/27	1.0	31
NK	X9930RR *	13.5	56	9/16	1.0	26
TEST AVERAGES		24.1				
LSD (.10)		2.6				

TABLE 23. NEOSHO COUNTY RIVER-BOTTOM SOYBEAN PERFORMANCE (DRYLAND), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
CARGILL	434RR/CN	35.3	---	---	---	---	---	---	90	---	---	---	10/5	2.7	39
CARGILL	544RR/CN	43.2	---	---	---	---	---	---	110	---	---	---	10/14	2.7	33
GARST	EXP9450	38.9	---	---	---	---	---	---	99	---	---	---	10/8	3.0	37
GARST	D445N	40.4	---	---	---	---	---	---	103	---	---	---	10/4	1.0	28
GOLDEN HARVEST	H1500	36.3	43.7	---	---	40.0	---	---	93	104	---	---	10/7	1.3	25
GOLDEN HARVEST	X95447	43.9	---	---	---	---	---	---	112	---	---	---	10/12	1.3	31
MIDLAND	388SE	44.2	---	---	---	---	---	---	113	---	---	---	9/27	1.7	31
MIDLAND	8450/STS	37.1	---	---	---	---	---	---	95	---	---	---	10/3	2.0	35
NOVARTIS	S46-W8	39.7	---	---	---	---	---	---	101	---	---	---	10/5	1.7	36
NOVARTIS	S57-11	42.7	---	---	---	---	---	---	109	---	---	---	10/14	1.3	32
PIONEER	9421	40.7	41.8	60.5	---	41.3	47.7	---	104	100	104	---	9/27	4.0	36
PIONEER	9492	36.3	41.4	---	---	38.9	---	---	93	99	---	---	10/9	2.3	34
PIONEER	93B-82	44.0	---	---	---	---	---	---	112	---	---	---	9/27	2.7	33
TRIUMPH	4339RR	39.4	---	---	---	---	---	---	101	---	---	---	10/4	2.7	36
	Flyer	36.0	---	---	---	---	---	---	92	---	---	---	9/25	1.7	35
KSOY	KS4694	33.9	37.8	53.1	65.7	35.9	41.6	47.6	86	90	91	105	10/5	2.0	32
KSOY	KS4997	36.3	---	---	---	---	---	---	93	---	---	---	10/6	1.3	19
	KS5292	38.1	34.3	56.9	58.1	36.2	43.1	46.9	97	82	98	93	10/13	1.0	27
TEST AVERAGES		39.2	41.9	58.2	62.8										
LSD (0.05)		6.8	5.0	5.8	6.9										

TABLE 24. LABETTE COUNTY DOUBLE-CROPPED SOYBEAN PERFORMANCE (DRYLAND), 1996-1999.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT	LODGING SCORE	HT IN
		1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996			
CARGILL	484RR/CN	17.3	---	---	---	---	---	---	101	---	---	---	10/17	1.0	19
CARGILL	544RR/CN	18.8	---	---	---	---	---	---	109	---	---	---	10/22	1.0	19
GARST	D478	14.0	---	---	---	---	---	---	81	---	---	---	10/13	1.0	17
GARST	EX9484	14.6	---	---	---	---	---	---	85	---	---	---	10/17	1.0	17
GOLDEN HARVEST	H1500	18.8	---	---	---	---	---	---	109	---	---	---	10/23	1.0	17
GOLDEN HARVEST	X95447STS	20.2	---	---	---	---	---	---	117	---	---	---	10/23	1.0	19
MIDLAND	8486	14.7	---	---	---	---	---	---	86	---	---	---	10/14	1.0	19
MIDLAND	8530	22.5	---	---	---	---	---	---	103	---	---	---	10/25	1.0	20
NOVARTIS	51T1	17.8	---	---	---	---	---	---	103	---	---	---	10/25	1.0	26
NOVARTIS	S57-11	19.3	---	---	---	---	---	---	112	---	---	---	10/18	1.0	18
PIONEER	9492	16.1	2.3	---	---	7.0	---	---	94	66	---	---	10/14	1.0	18
PIONEER	95B33	19.9	6.7	---	---	13.3	---	---	116	191	---	---	10/22	1.0	18
PIONEER	93B32	19.3	---	---	---	---	---	---	112	---	---	---	10/23	1.0	15
TRIUMPH	TR4718RR	14.4	---	---	---	---	---	---	84	---	---	---	10/14	1.0	19
	Flyer	13.0	2.8	40.1	10.1	7.9	18.6	16.5	76	80	105	89	10/10		16
KSOY	KS4694	13.0	1.8	40.2	6.5	7.4	18.3	15.4	76	51	105	57	10/14		16
KSOY	KS4997	21.1	---	---	---	---	---	---	123	---	---	---	10/19		17
	KS5292	15.5	2.7	39.5	13.3	9.1	19.2	17.8	90	77	103	117	10/23		19
TEST AVERAGES		17.2	3.5	38.2	11.4										
LSD (0.05)		2.7	1.4	5.2	11.4										

TABLE 25. YIELD AS % OF TEST AVERAGE FROM 1999 LOCATIONS.

BRAND	NAME	STANDARD TRIALS										ROUNDUP-RESISTANT TRIALS											
		BRO	SHA	FRA	CHE	RPD	RCI	HAR	STA	SUM	THO	AVGST	BRR	SHR	FRR	CHR	RCR	HRR	STR	THR	GRR	AVGRR	SCN
KSOY	DELISOY 5500	---	---	---	102	---	---	---	---	---	102	---	---	---	101	---	---	---	---	---	---	101	108
KSOY	KS3494	97	99	93	85	109	99	107	100	94	107	99	---	---	---	---	---	---	---	---	---	---	---
KSOY	KS4694	106	92	97	109	99	84	87	110	104	98	99	99	97	106	75	96	106	121	102	---	100	74
KSOY	KS4895	---	---	103	87	---	---	---	---	---	---	95	---	---	---	---	---	---	---	---	---	---	---
KSOY	KS4997	---	---	---	103	---	---	---	---	---	---	103	---	---	---	84	---	---	---	---	---	---	84
KSOY	MACON	101	105	95	80	107	101	89	92	89	96	96	92	104	105	83	99	112	89	101	---	98	---
KSOY	STRESSLAND	90	86	104	105	109	97	113	114	94	101	101	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	ANAND	---	---	---	124	---	---	---	---	---	---	124	---	---	---	---	---	---	---	---	---	---	128
PUBLIC	CRAWFORD	---	---	68	74	---	---	---	---	---	---	71	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	DELISOY 4710	---	---	---	72	---	---	---	---	---	---	72	---	---	---	---	---	---	---	---	---	---	100
PUBLIC	DELISOY 5710	---	---	---	117	---	---	---	---	---	---	117	---	---	---	---	---	---	---	---	---	---	144
PUBLIC	FLYER	91	82	97	91	110	98	93	83	108	97	95	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	HS93-4118	107	103	97	95	86	108	117	95	87	110	101	102	116	105	67	98	102	86	101	---	97	---
PUBLIC	HUTCHESON	---	---	---	98	---	---	---	---	---	---	98	---	---	---	---	---	---	---	---	---	---	89
PUBLIC	IA2021	63	68	73	91	91	99	135	76	95	76	87	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	IA3010 (A94-774021)	96	97	97	106	113	102	133	94	90	103	103	102	96	101	77	104	116	74	97	---	96	---
PUBLIC	K1380	99	98	100	126	106	94	107	110	100	97	104	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	K1401	---	---	---	98	---	---	---	---	---	---	98	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	K1410	97	106	87	109	112	99	111	103	102	106	103	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	K1423	---	---	---	96	---	---	---	---	---	---	96	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	K1424	---	---	---	105	---	---	---	---	---	---	105	---	---	---	---	---	---	---	---	---	---	131
PUBLIC	K1425	---	---	---	97	---	---	---	---	---	---	97	---	---	---	---	---	---	---	---	---	---	122
PUBLIC	KS5292	---	---	---	88	---	---	---	---	---	---	88	---	---	---	---	---	---	---	---	---	---	91
PUBLIC	MANOKIN	---	---	---	126	---	---	---	---	---	---	126	---	---	---	---	---	---	---	---	---	---	140
PUBLIC	MD92-5769	---	---	---	129	---	---	---	---	---	---	129	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	RESNIK	88	91	92	90	100	101	85	90	95	102	93	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	SHERMAN	96	81	101	91	88	92	78	92	86	98	90	---	---	---	---	---	---	---	---	---	---	---
PUBLIC	WILLIAMS 82	75	84	75	91	91	95	71	107	96	83	87	---	---	---	---	---	---	---	---	---	---	---
ADV. GENETICS	AG3630 STS	95	103	106	---	---	98	---	---	---	---	100	---	---	---	---	---	---	---	---	---	---	---
ADV. GENETICS	AG3667 RR *	---	---	---	---	---	---	---	---	---	---	---	---	102	---	---	---	---	---	---	---	102	---
ADV. GENETICS	AG3797 RR *	---	---	---	---	---	---	---	---	---	---	---	118	103	105	---	100	84	98	---	---	101	---
ADV. GENETICS	AG3886RR *	---	---	---	---	---	---	---	---	---	---	---	---	92	---	---	98	---	82	---	---	91	---
ADV. GENETICS	AG3920	---	---	103	---	---	105	---	---	---	---	104	---	---	---	---	---	---	---	---	---	---	---
ADV. GENETICS	AG3944NRR *	---	---	---	---	---	---	---	---	---	---	---	91	74	98	---	100	---	---	---	---	91	---
ADV. GENETICS	AG3957 RR *	---	---	---	---	---	---	---	---	---	---	---	---	92	---	---	101	106	109	---	---	102	---
ADV. GENETICS	AG4188 STS	108	95	108	---	---	97	116	---	---	---	105	---	---	---	---	---	---	---	---	---	---	---
ADV. GENETICS	AG4437 RR *	---	---	---	---	---	---	---	---	---	---	---	120	---	99	---	---	---	---	---	---	109	---
ADV. GENETICS	AG5277 RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	101	116	---	---	---	---	---	108	---
ADV. GENETICS	DS 390	---	---	90	---	---	---	72	---	---	---	81	---	---	---	---	---	---	---	---	---	---	---
ADV. GENETICS	DS 410	---	---	---	---	---	---	85	107	---	---	96	---	---	---	---	---	---	---	---	---	---	---
ADV. GENETICS	DS 454	---	---	108	90	---	---	78	111	---	---	97	---	---	---	---	---	---	---	---	---	---	---
ADV. GENETICS	DS 466	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	92
ADV. GENETICS	DS 485	---	---	98	89	---	---	---	---	---	---	94	---	---	---	---	---	---	---	---	---	---	---
ASGROW	A5404 *	---	---	---	125	---	---	---	---	---	---	125	---	---	---	---	---	---	---	---	---	---	118
ASGROW	AG2903 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ASGROW	AG3002 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	---	---	102	110	104	---
ASGROW	AG3003 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	98	---	---	105	102	---	102	---
ASGROW	AG3302 *	---	---	---	---	---	---	---	---	84	---	84	108	101	---	---	107	---	---	100	97	103	---
ASGROW	AG3303 *	---	---	---	---	---	---	---	---	95	---	95	---	---	---	---	103	95	80	97	91	93	---
ASGROW	AG3701 *	---	---	---	---	---	---	---	---	97	---	97	104	100	91	---	100	95	100	---	---	98	---
ASGROW	AG3702 *	---	---	---	---	---	---	---	---	104	---	104	---	---	---	---	---	114	102	---	---	108	---
ASGROW	AG4101 *	---	---	---	---	---	---	---	---	93	---	93	---	---	---	---	---	81	114	---	---	97	---
ASGROW	AG4301 *	---	---	---	---	---	---	---	---	---	---	---	---	100	106	---	---	---	---	---	---	103	---

(CONTINUED)

TABLE 25. YIELD AS % OF TEST AVERAGE FROM 1999 LOCATIONS. (CONTINUED)

BRAND	NAME	STANDARD TRIALS											ROUNDUP-RESISTANT TRIALS										
		BRO	SHA	FRA	CHE	RPD	RCI	HAR	STA	SUM	THO	AVGST	BRR	SHR	FRR	CHR	RCR	HRR	STR	THR	GRR	AVGRR	SCN
ASGROW	AG4402 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	89	110	---	---	---	99	---
ASGROW	AG4702 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	105	89	---	---	---	---	97	---
ASGROW	AG5401 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	116	---
ATLAS	5316RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	97	---	---	---	---	97	---
ATLAS	5370RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	98	---	---	---	---	98	---
ATLAS	5441NRR *	---	---	---	---	---	---	---	---	---	---	95	107	109	109	---	91	---	---	---	---	102	---
DAIRYLAND	DSR-381RR *	---	---	---	---	---	---	---	---	---	---	102	---	---	91	---	---	79	---	---	---	91	---
DAIRYLAND	DSR-421 *	---	---	---	---	---	---	---	---	---	---	102	---	---	110	---	---	109	---	---	---	107	---
DEKALB	CX285RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	99	---	---	97	---	---	98	---
DEKALB	CX300	---	---	---	---	112	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
DEKALB	CX367cRR *	---	---	---	---	---	---	---	---	---	---	97	---	---	---	100	98	---	98	89	---	96	---
DEKALB	CX377	---	---	---	---	---	94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
DEKALB	CX392RR *	---	---	---	---	---	---	---	---	---	---	113	87	104	---	---	100	93	---	112	---	101	---
DEKALB	CX400	112	127	102	---	---	---	122	104	100	---	111	---	---	---	---	---	---	---	---	---	---	---
DEKALB	CX444cRR *	---	---	---	---	---	---	---	---	---	---	---	99	95	97	---	---	109	---	---	---	100	---
DEKALB	CX496c	---	---	---	77	---	---	---	---	---	---	---	77	---	---	---	---	---	---	---	---	---	103
DEKALB	CX556cRR *	---	---	---	---	---	---	---	---	---	---	---	---	---	103	---	---	---	---	---	---	---	103
DELTAPINE	DP 3478	---	---	---	100	---	---	---	115	---	---	108	---	---	---	---	---	---	---	---	---	---	77
DELTAPINE	DP 4344RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	110	---	104	127	---	---	---	114	---
DELTAPINE	DP 4690RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	110	---	---	116	---	---	---	113	---
DELTAPINE	DP 4750RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	97	---	---	110	---	---	---	103	---
DELTAPINE	DS 4909	---	---	---	118	---	---	---	89	---	---	103	---	---	---	---	---	---	---	---	---	---	111
DYNA-GRO	DG-3306RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	94	---	---	94	---
DYNA-GRO	DG-3312RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	91	---	---	91	---
DYNA-GRO	DG-3331N	---	---	---	---	---	102	---	---	---	93	97	---	---	---	---	---	---	---	---	---	---	---
DYNA-GRO	DG-3334RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	101	---	---	101	---
DYNA-GRO	DG-3370RR *	---	---	---	---	---	---	---	---	---	---	102	87	107	---	106	93	96	---	---	---	98	---
DYNA-GRO	DG-3372NRR *	---	---	---	---	---	---	---	---	---	---	98	110	86	---	98	101	---	---	---	---	98	---
DYNA-GRO	DG-3388RR *	---	---	---	---	---	---	---	---	---	---	103	89	98	---	103	85	94	---	---	---	95	---
DYNA-GRO	DG-3394RR *	---	---	---	---	---	---	---	---	---	---	---	87	99	---	---	97	90	---	---	---	93	---
DYNA-GRO	DG-3395	94	103	104	77	---	106	102	104	91	---	98	---	---	---	---	---	---	---	---	---	---	---
DYNA-GRO	DG-3401NRR *	---	---	---	---	---	---	---	---	---	---	---	96	103	100	---	106	---	---	---	---	101	---
DYNA-GRO	DG-3402STS	126	86	100	125	---	111	108	93	89	---	105	---	---	---	---	---	---	---	---	---	---	---
DYNA-GRO	DG-3424RR *	---	---	---	---	---	---	---	---	---	---	---	---	94	---	---	98	---	---	---	---	---	96
DYNA-GRO	DG-3438N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	92
DYNA-GRO	DG-3442NRR *	---	---	---	---	---	---	---	---	---	---	---	102	110	93	---	---	115	---	---	---	105	---
DYNA-GRO	DG-3444N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	98
DYNA-GRO	DG-3468NRR *	---	---	---	---	---	---	---	---	---	---	---	---	113	96	---	---	---	---	---	---	---	105
FONTANELLE	9765RR *	---	---	---	---	---	---	---	---	---	---	---	88	---	---	---	105	---	---	---	---	---	97
GARST	D305 RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	93	---	---	93	---
GARST	D350	93	---	---	---	---	---	---	---	---	---	93	---	---	---	---	---	---	---	---	---	---	---
GARST	D355RR *	---	---	---	---	---	---	---	---	---	---	---	115	111	---	---	100	---	97	---	---	106	---
GARST	D370RR *	---	---	---	---	---	---	---	---	---	---	---	107	98	---	---	98	---	100	---	---	101	---
GARST	D376 RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GARST	D398	108	124	93	---	113	106	---	114	---	---	110	---	---	---	---	---	---	---	---	---	---	---
GARST	D399RR/N *	---	---	---	---	---	---	---	---	---	---	---	102	97	100	---	97	112	88	---	---	99	---
GARST	D437RR/N *	---	---	---	---	---	---	---	---	---	---	---	---	107	105	108	---	104	---	---	---	106	---
GARST	D445/N	---	120	113	---	---	---	---	---	---	---	117	---	---	---	---	---	---	---	---	---	---	---
GARST	D450RR/N *	---	---	---	---	---	---	---	---	---	---	---	---	---	99	---	---	---	---	---	---	99	---
GARST	D484RR/N *	---	---	---	---	---	---	---	---	---	---	---	---	---	88	---	---	---	---	---	---	---	88
GARST	EX9385 EXP	82	79	---	---	---	104	---	94	---	---	90	---	---	---	---	---	---	---	---	---	---	---
HAMON	H-427	119	123	---	---	---	---	---	---	---	---	121	---	---	---	---	---	---	---	---	---	---	---
HAMON	H-447	93	102	---	---	---	---	---	---	---	---	97	---	---	---	---	---	---	---	---	---	---	---

(CONTINUED)

TABLE 25. YIELD AS % OF TEST AVERAGE FROM 1999 LOCATIONS. (CONTINUED)

BRAND	NAME	STANDARD TRIALS										ROUNDUP-RESISTANT TRIALS											
		BRO	SHA	FRA	CHE	RPD	RCI	HAR	STA	SUM	THO	AVGST	BRR	SHR	FRR	CHR	RCR	HRR	STR	THR	GRR	AVGRR	SCN
HOEGEMEYER	333	90	90	99	---	---	103	---	---	---	96	---	---	---	---	---	---	---	---	---	---	---	---
HOEGEMEYER	346RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	98	---	---	---	---	---	---	98
HOEGEMEYER	379	97	110	104	---	---	102	108	111	---	105	---	---	---	---	---	---	---	---	---	---	---	---
HOEGEMEYER	389RR *	---	---	---	---	---	---	---	---	---	---	---	---	104	---	101	---	---	---	---	---	---	103
HOEGEMEYER	401	109	101	102	---	---	---	---	---	---	104	---	---	---	---	---	---	---	---	---	---	---	---
HOEGEMEYER	402STS	---	---	---	---	---	95	---	---	---	95	---	---	---	---	---	---	---	---	---	---	---	---
HOEGEMEYER	407NRR *	---	---	---	---	---	---	---	---	---	---	---	---	94	---	100	104	105	---	---	---	---	101
HOEGEMEYER	428RR *	---	---	---	---	---	---	---	---	---	---	---	---	104	---	---	---	---	---	---	---	---	104
HOEGEMEYER	451SCN	---	---	96	---	---	---	---	---	---	96	---	---	---	---	---	---	---	---	---	---	---	80
HOEGEMEYER	EXP 443RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	102	106	---	---	---	---	104
HYTEST	HTS3600RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	---	---	---	---	---	---	100
HYTEST	HTS3820	---	---	---	---	---	96	---	---	---	96	---	---	---	---	---	---	---	---	---	---	---	---
HYTEST	HTS4000RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	98	---	---	---	---	---	---	98
HYTEST	HTS4220	---	---	---	---	---	97	---	---	---	97	---	---	---	---	---	---	---	---	---	---	---	---
HYTEST	HTS4301RR *	---	---	---	---	---	---	---	---	---	---	---	---	101	---	98	101	---	---	---	---	---	100
HYTEST	HTS4610	---	---	114	---	---	---	68	---	---	91	---	---	---	---	---	---	---	---	---	---	---	---
HYTEST	HTS4800RR *	---	---	---	---	---	---	---	---	---	---	---	---	98	---	---	84	---	---	---	---	---	91
HYTEST	HTS5005	---	---	108	---	---	---	96	---	---	102	---	---	---	---	---	---	---	---	---	---	---	---
LEWIS	3816RR *	---	---	---	---	---	---	---	---	---	---	---	107	---	---	---	---	---	---	---	---	---	107
LEWIS	3999RR *	---	---	---	---	---	---	---	---	---	---	---	108	---	---	---	---	---	---	---	---	---	108
LEWIS	4392RR *	---	---	---	---	---	---	---	---	---	---	---	116	---	---	---	---	---	---	---	---	---	116
MERSCHMAN	PHOENIX IIRR *	---	---	---	---	---	---	---	---	---	---	---	96	---	---	---	---	---	---	---	---	---	96
MERSCHMAN	WASHINGTON VIIRR *	---	---	---	---	---	---	---	---	---	---	---	96	---	---	---	---	---	---	---	---	---	96
MIDLAND	8287	---	---	---	---	84	108	---	---	---	96	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8322RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	100	---	---	---	---	---	---	---	100
MIDLAND	8334	---	---	---	---	77	98	---	---	---	88	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8336N	---	---	---	---	---	100	---	---	---	100	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8355	---	75	---	---	106	107	---	---	---	96	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8371	---	---	---	---	---	---	79	97	103	93	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8376N	---	93	---	---	---	---	---	---	---	93	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8382RR *	---	---	---	---	---	---	---	---	---	---	---	111	100	---	---	104	95	---	108	107	104	---
MIDLAND	8388	106	123	112	---	92	104	---	---	---	107	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8390RR *	---	---	---	---	---	---	---	---	---	---	---	98	117	96	---	---	112	96	---	115	106	---
MIDLAND	8393	---	---	---	---	---	---	---	---	107	107	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8394RR *	---	---	---	---	---	---	---	---	---	---	---	95	101	110	---	---	95	96	---	106	101	---
MIDLAND	8396STS	100	---	---	---	---	100	99	78	105	96	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8398	---	---	103	---	---	---	---	---	---	103	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8410	---	---	94	---	---	---	---	---	90	92	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8411BRR *	---	---	---	---	---	---	---	---	---	---	---	97	93	98	---	---	110	110	---	109	103	---
MIDLAND	8411RR *	---	---	---	---	---	---	---	---	---	---	---	95	89	96	---	---	110	108	---	106	101	---
MIDLAND	8421	---	---	---	105	---	---	---	---	---	105	---	---	---	---	---	---	---	---	---	---	---	94
MIDLAND	8422RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	111	---	---	---	---	111
MIDLAND	8431	---	---	---	---	---	---	100	---	139	119	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8450STS	---	---	106	97	---	---	---	---	---	101	---	---	---	---	---	---	---	---	---	---	---	77
MIDLAND	8475	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	104
MIDLAND	8486	---	---	---	87	---	---	---	---	---	87	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8530	---	---	---	114	---	---	---	---	---	114	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	8540RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	115	---	---	---	---	---	---	---	115
MIDLAND	9A270RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	102	---	---	---	---	---	---	102
MIDLAND	9A280RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	101	---	---	---	---	---	---	101
MIDLAND	9A320STS	---	---	---	---	75	108	---	---	---	92	---	---	---	---	---	---	---	---	---	---	---	---
MIDLAND	9A340NRR *	---	---	---	---	---	---	---	---	---	---	---	---	114	---	---	101	---	---	---	---	---	107
MIDLAND	9A360RR *	---	---	---	---	---	---	---	---	---	---	---	---	105	---	---	---	---	---	---	---	---	105

(CONTINUED)

TABLE 25. YIELD AS % OF TEST AVERAGE FROM 1999 LOCATIONS. (CONTINUED)

BRAND	NAME	STANDARD TRIALS										ROUNDUP-RESISTANT TRIALS												
		BRO	SHA	FRA	CHE	RPD	RCI	HAR	STA	SUM	THO	AVGST	BRR	SHR	FRR	CHR	RCR	HRR	STR	THR	GRR	AVGRR	SCN	
MIDLAND	9A430RR *	---	---	---	---	---	---	---	---	---	---	---	---	94	---	---	---	---	---	---	---	94	---	
MIDLAND	9E320RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	99	---	---	---	---	---	---	99	---
MIDLAND	9G350STS	---	81	---	---	---	102	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MIDLAND	9G370RR *	---	---	---	---	---	---	---	---	---	---	---	102	---	---	100	---	---	---	---	---	---	101	
MIDLAND	XA350	---	---	---	---	---	---	142	97	92	100	108	---	---	---	---	---	---	---	---	---	---	---	
MIDLAND	XA370RR *	---	---	---	---	---	---	---	---	---	---	---	95	123	---	---	---	---	---	---	---	---	109	
MIDLAND	9A380RR (XA380RR) *	---	---	---	---	---	---	---	---	---	---	---	111	102	---	---	97	99	84	---	---	---	99	
MIDLAND	XA400RR *	---	---	---	---	---	---	---	---	---	---	---	---	118	103	---	---	---	---	---	---	---	111	
MIDLAND	XA420N	---	---	110	131	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MIDLAND	XA421RR *	---	---	---	---	---	---	---	---	---	---	---	97	91	96	---	---	---	---	---	---	---	95	
MIDLAND	XA440NRR *	---	---	---	---	---	---	---	---	---	---	---	---	---	89	99	---	---	---	---	---	---	94	
MIDLAND	XA450	---	---	109	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MIDLAND	XA480NRR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	95	---	---	---	---	---	---	95	
MIDLAND	XA520N	---	---	---	108	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MIDLAND	9B350RR (XB350RR) *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MIDLAND	XB370N	101	82	---	---	---	102	---	---	---	---	---	---	100	---	---	101	88	99	103	---	---	98	
MIDLAND	XB380	102	99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MIDLAND	XB480RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	---	---	---	---	---	---	100	
MIDLAND	XE370RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	97	101	---	---	---	---	99	
MIDLAND	XE480	---	---	---	78	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MIDWEST SEED	G 3844S	101	---	90	---	---	86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MIDWEST SEED	G 3922NRR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	101	---	---	---	101	
MIDWEST SEED	G 3925RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	107	---	---	---	107	
MIDWEST SEED	G 3996	111	---	100	---	---	104	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
M-PRIDE	MPU398NRR *	---	---	---	---	---	---	---	---	---	---	---	88	---	97	---	---	---	---	---	---	---	93	
M-PRIDE	MPU437NRR *	---	---	---	---	---	---	---	---	---	---	---	101	---	97	103	---	---	---	---	---	---	100	
M-PRIDE	MPU457NRR *	---	---	---	---	---	---	---	---	---	---	---	96	---	87	109	---	---	---	---	---	---	97	
M-PRIDE	MPU537NRR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	102	---	---	---	---	---	---	102	
MYCOGEN	5383	106	122	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MYCOGEN	5404	111	105	111	93	104	90	133	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NC+	2A88RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	95	---	95	
NC+	2A97RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	92	---	92	
NC+	2A99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NC+	3A19RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	89	---	89	
NC+	3A26	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NC+	3A30	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NC+	3A77RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	99	---	89	---	---	---	94	
NC+	3A82STS	---	---	---	---	119	86	---	---	---	---	---	103	---	---	---	---	---	---	---	---	---	---	
NC+	3A87	106	99	---	---	---	107	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NC+	3A99RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NC+	4A10	102	100	---	---	---	---	---	---	113	---	---	---	---	---	---	---	---	---	---	---	---	---	
NC+	4A29RR *	---	---	---	---	---	---	---	---	---	---	---	---	120	102	105	---	---	---	103	---	---	107	
NC+	4A47	---	113	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NC+	4N26	---	109	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NC+	4N49RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	90	---	---	---	---	---	90	
NC+	4N79RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	92	---	---	---	---	---	92	
NC+	5A44	---	110	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NK	S33-P2	---	99	98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NK	S39-D9 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	98	98	112	---	---	---	103	
NK	S42-M1 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NK	S43-B5	95	109	101	---	83	99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
NK	S46-W8 *	---	---	---	---	---	---	---	---	---	---	---	---	---	99	113	---	111	---	---	---	---	108	
NK	S51-T1 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	99	---	---	---	---	---	---	99	

(CONTINUED)

TABLE 25. YIELD AS % OF TEST AVERAGE FROM 1999 LOCATIONS. (CONTINUED)

BRAND	NAME	STANDARD TRIALS										ROUNDUP-RESISTANT TRIALS											
		BRO	SHA	FRA	CHE	RPD	RCI	HAR	STA	SUM	THO	AVGST	BRR	SHR	FRR	CHR	RCR	HRR	STR	THR	GRR	AVGRR	SCN
NK	S57-11	---	---	---	122	---	---	---	---	---	122	---	---	---	---	---	---	---	---	---	---	---	---
NK	S59-V6 *	---	---	---	---	---	---	---	---	---	---	---	---	---	118	---	---	---	---	---	---	118	---
NK	X9930RR *	---	---	---	---	---	---	---	---	---	---	65	---	---	---	98	---	---	93	56	78	---	---
NK	X9934RR *	---	---	---	---	---	---	---	---	---	---	81	---	---	---	103	---	102	---	---	95	---	---
PIONEER	9344 *	---	---	---	---	---	---	115	---	---	115	---	---	---	---	---	---	---	---	---	---	---	---
PIONEER	93B01 *	---	---	---	---	---	---	---	---	94	94	---	---	---	---	---	---	---	---	---	---	---	---
PIONEER	93B34 *	---	---	---	---	---	---	---	---	111	111	---	---	---	---	---	---	---	---	---	---	---	---
PIONEER	93B41	---	---	---	---	106	102	128	78	---	104	---	---	---	---	---	---	---	---	---	---	---	---
PIONEER	93B51 *	81	98	104	---	108	106	---	---	---	99	---	---	---	---	---	---	---	---	---	---	---	---
PIONEER	93B53 *	---	---	---	---	---	---	118	88	102	117	106	---	---	---	---	---	---	---	---	---	---	---
PIONEER	93B82	114	109	98	---	96	---	102	110	99	---	104	---	---	---	---	---	---	---	---	---	---	---
PIONEER	93B84 *	94	106	---	---	---	104	---	---	---	102	---	---	---	---	---	---	---	---	---	---	---	---
PIONEER	9492 *	---	---	---	94	---	---	---	---	---	94	---	---	---	---	---	---	---	---	---	---	---	96
PIONEER	94B01 *	---	---	91	---	---	---	---	---	---	91	---	---	---	---	---	---	---	---	---	---	---	---
PIONEER	95B33	---	---	---	98	---	---	---	---	---	98	---	---	---	---	---	---	---	---	---	---	---	104
PIONEER	95B71 *	---	---	---	126	---	---	---	---	---	126	---	---	---	---	---	---	---	---	---	---	---	137
PRAIRIE BRAND	PB-3515RR *	---	---	---	---	---	---	---	---	---	---	91	---	---	---	---	---	---	---	---	---	---	91
PRAIRIE BRAND	PB-3770RR *	---	---	---	---	---	---	---	---	---	---	102	---	---	---	---	---	---	---	---	---	---	102
PRAIRIE BRAND	PB-3930RR *	---	---	---	---	---	---	---	---	---	---	100	101	---	---	---	---	---	---	---	---	---	101
PRAIRIE BRAND	PB-4100RR *	---	---	---	---	---	---	---	---	---	---	119	---	---	---	---	---	---	---	---	---	---	119
RENZE	EX3101R EXP *	---	---	---	---	---	---	---	---	---	---	84	112	---	---	99	---	---	---	---	---	---	98
RENZE	R3300R *	---	---	---	---	---	---	---	---	---	---	105	84	---	---	102	---	---	---	---	---	---	97
RENZE	R3500R *	---	---	---	---	---	---	---	---	---	---	107	104	---	---	101	---	---	---	---	---	---	104
RENZE	R3890Rcn *	---	---	---	---	---	---	---	---	---	---	94	86	---	---	96	---	---	---	---	---	---	92
STINE	3203-4 *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	101	---	---	---	---	---	101
STINE	3293-4 (3294) *	---	---	---	---	---	---	---	---	---	---	95	---	---	---	---	---	---	---	---	---	---	95
STINE	3398-8 (3388)	---	---	---	---	---	102	---	---	---	102	---	---	---	---	---	---	---	---	---	---	---	---
STINE	3503-4 *	---	---	---	---	---	---	---	---	---	---	105	117	---	---	---	---	---	---	116	---	---	113
STINE	3700-4 *	---	---	---	---	---	---	---	---	---	---	112	98	---	---	102	---	85	---	---	---	---	99
STINE	3870-0 (3870-1)	94	124	100	---	---	---	---	---	---	106	---	---	---	---	---	---	---	---	---	---	---	---
STINE	4001-4 *	---	---	---	---	---	---	---	---	---	---	---	108	108	---	---	---	100	---	---	---	---	106
STINE	4292-4 *	---	---	---	---	---	---	---	---	---	---	---	---	93	---	97	---	---	---	---	---	---	95
STINE	4702-2	---	---	---	80	---	---	---	---	---	80	---	---	---	---	---	---	---	---	---	---	---	96
STINE	4802-4 *	---	---	---	---	---	---	---	---	---	---	---	---	---	91	---	---	---	---	---	---	---	91
STINE	X3900	---	---	---	---	---	102	---	111	---	107	---	---	---	---	---	---	---	---	---	---	---	---
TAYLOR	355RR *	---	---	---	---	---	---	---	---	---	---	97	---	---	---	---	---	---	---	---	---	---	97
TAYLOR	385RR *	---	---	---	---	---	---	---	---	---	---	---	90	103	---	---	---	---	---	---	---	---	97
TAYLOR	390RR *	---	---	---	---	---	---	---	---	---	---	98	92	99	---	98	---	---	---	---	---	---	97
TAYLOR	394RR *	---	---	---	---	---	---	---	---	---	---	---	112	---	---	---	---	---	---	---	---	---	112
TAYLOR	396	---	106	104	---	---	97	---	---	---	102	---	---	---	---	---	---	---	---	---	---	---	---
TAYLOR	415RR *	---	---	---	---	---	---	---	---	---	---	99	---	105	---	---	---	---	---	---	---	---	102
TAYLOR	445RR *	---	---	---	---	---	---	---	---	---	---	---	---	115	108	---	---	---	---	---	---	---	112
TAYLOR	471	---	---	116	---	---	---	---	---	---	116	---	---	---	---	---	---	---	---	---	---	---	---
TAYLOR	488RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	123	---	---	---	---	---	---	---	123
TERRA	TS336RR *	---	---	---	---	---	---	---	---	---	---	97	---	---	---	---	---	---	---	---	---	---	97
TERRA	TS348	96	107	102	---	---	---	---	---	---	102	---	---	---	---	---	---	---	---	---	---	---	---
TERRA	TS3680RR *	---	---	---	---	---	---	---	---	---	---	81	98	---	---	---	---	---	---	---	---	---	90
TERRA	TS387	112	115	110	---	---	---	---	---	---	112	---	---	---	---	---	---	---	---	---	---	---	---
TERRA	TS387RR *	---	---	---	---	---	---	---	---	---	---	102	94	87	---	---	---	---	---	---	---	---	94
TERRA	TS396RR *	---	---	---	---	---	---	---	---	---	---	---	99	105	---	---	---	---	---	---	---	---	102
TERRA	TS415	---	94	108	109	---	---	---	---	---	104	---	---	---	---	---	---	---	---	---	---	---	---
TERRA	TS4280RR *	---	---	---	---	---	---	---	---	---	---	---	---	93	99	---	---	---	---	---	---	---	96
TERRA	TS438	---	87	102	115	---	---	---	---	---	102	---	---	---	---	---	---	---	---	---	---	---	91

(CONTINUED)

TABLE 25. YIELD AS % OF TEST AVERAGE FROM 1999 LOCATIONS. (CONTINUED)

BRAND	NAME	STANDARD TRIALS										ROUNDUP-RESISTANT TRIALS											
		BRO	SHA	FRA	CHE	RPD	RCI	HAR	STA	SUM	THO	AVGST	BRR	SHR	FRR	CHR	RCR	HRR	STR	THR	GRR	AVGRR	SCN
TERRA	TS466RR *	---	---	---	---	---	---	---	---	---	---	---	---	90	115	---	---	---	---	---	---	102	---
TERRA	TS4792	---	---	---	83	---	---	---	---	---	83	---	---	---	---	---	---	---	---	---	---	---	106
TERRA	TS556RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	96	---	---	---	---	---	---	---	96
TRIUMPH	TR3519RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	---	102	---	---	---	---	---	---	102
TRIUMPH	TR3939RR *	---	---	---	---	---	---	---	---	---	---	99	---	101	---	---	94	---	97	---	---	---	98
TRIUMPH	TR4319RR *	---	---	---	---	---	---	---	---	---	---	---	---	103	---	---	---	---	---	---	---	---	103
TRIUMPH	TR4339RR *	---	---	---	---	---	---	---	---	---	---	---	88	---	---	---	108	115	---	---	---	---	104
TRIUMPH	TR4718RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	93	---	---	---	---	---	---	---	93
TRIUMPH	TR5409RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	107	---	---	---	---	---	---	---	107
U.S. SEEDS	US S3209RR *	---	---	---	---	---	---	---	---	---	---	101	---	90	---	---	---	---	101	---	---	---	97
U.S. SEEDS	US S339	112	---	107	---	---	---	---	---	94	104	---	---	---	---	---	---	---	---	---	---	---	---
U.S. SEEDS	US S3609RR *	---	---	---	---	---	---	---	---	---	---	92	---	94	---	---	---	---	99	---	---	---	95
U.S. SEEDS	US S369STS	91	---	93	---	---	---	---	---	100	95	---	---	---	---	---	---	---	---	---	---	---	---
U.S. SEEDS	US S380	113	---	99	---	---	---	---	---	116	109	---	---	---	---	---	---	---	---	---	---	---	---
U.S. SEEDS	US S3909RR *	---	---	---	---	---	---	---	---	---	---	116	---	97	---	---	---	---	101	---	---	---	105
U.S. SEEDS	US S399STS	116	---	99	---	---	---	---	---	87	101	---	---	---	---	---	---	---	---	---	---	---	---
U.S. SEEDS	US S439	104	---	95	---	---	---	---	---	113	104	---	---	---	---	---	---	---	---	---	---	---	67
U.S. SEEDS	US S4409RR *	---	---	---	---	---	---	---	---	---	---	102	---	107	104	---	---	---	95	---	---	---	102
U.S. SEEDS	US S4809RR *	---	---	---	---	---	---	---	---	---	---	96	---	106	92	---	---	---	118	---	---	---	103
WILFARM	WF370RR *	---	---	---	---	---	---	---	---	---	---	80	---	87	77	---	---	---	112	---	---	---	89
WILFARM	WF480RR *	---	---	---	---	---	---	---	---	---	---	---	---	---	98	---	---	100	---	---	---	---	99
WILLCROSS	9447	---	---	110	---	---	---	94	---	---	102	---	---	---	---	---	---	---	---	---	---	---	---
WILLCROSS	9449NSTS	---	100	98	81	---	---	72	112	113	96	---	---	---	---	---	---	---	---	---	---	---	71
WILLCROSS	9450NSTS	---	---	---	107	---	---	---	---	110	109	---	---	---	---	---	---	---	---	---	---	---	70
WILLCROSS	9640	---	74	102	---	103	---	---	---	---	93	---	---	---	---	---	---	---	---	---	---	---	---
WILLCROSS	9738	102	118	105	---	100	---	72	117	127	106	---	---	---	---	---	---	---	---	---	---	---	---
WILLCROSS	9940N	---	85	93	---	---	---	65	96	97	87	---	---	---	---	---	---	---	---	---	---	---	---
WILLCROSS	9947N	---	---	---	64	---	---	---	---	---	64	---	---	---	---	---	---	---	---	---	---	---	89
WILLCROSS	9951N	---	---	---	116	---	---	---	---	---	116	---	---	---	---	---	---	---	---	---	---	---	126
WILLCROSS	RR2300 *	---	---	---	---	---	---	---	---	---	---	90	---	---	---	---	---	---	---	---	---	---	90
WILLCROSS	RR2320N *	---	---	---	---	---	---	---	---	---	---	91	---	---	---	---	---	---	---	---	---	---	91
WILLCROSS	RR2338 *	---	---	---	---	---	---	---	---	---	---	85	---	---	---	---	---	---	---	---	---	---	85
WILLCROSS	RR2350 *	---	---	---	---	---	---	---	---	---	---	112	---	---	---	---	---	---	---	---	---	---	112
WILLCROSS	RR2357 *	---	---	---	---	---	---	---	---	---	---	85	---	---	---	---	---	---	---	---	---	---	85
WILLCROSS	RR2368 *	---	---	---	---	---	---	---	---	---	---	100	102	---	---	103	110	---	---	---	---	---	104
WILLCROSS	RR2388N *	---	---	---	---	---	---	---	84	---	84	107	91	106	---	101	94	107	---	---	---	---	101
WILLCROSS	RR2397 *	---	---	---	---	---	---	---	---	---	---	104	104	101	---	99	110	96	---	---	---	---	102
WILLCROSS	RR2449N *	---	---	---	---	---	---	---	---	123	123	---	---	101	102	---	---	118	---	---	---	---	107
WILLCROSS	RR2467N *	---	---	---	---	---	---	---	---	103	103	---	---	---	109	---	---	---	---	---	---	---	109
WILLCROSS	RR2469N *	---	---	---	---	---	---	---	---	---	---	---	---	98	113	---	79	---	---	---	---	---	97
WILLCROSS	RR2480 *	---	---	---	---	---	---	---	---	---	---	---	---	---	103	---	---	---	---	---	---	---	103
WILLCROSS	RR2490N *	---	---	---	---	---	---	---	---	---	---	---	---	---	100	---	---	---	---	---	---	---	100
WILLCROSS	RR2517N *	---	---	---	103	---	---	---	---	---	103	---	---	---	102	---	---	---	---	---	---	---	102
WILLCROSS	RR2520N *	---	---	---	---	---	---	---	---	---	---	---	---	---	115	---	---	---	---	---	---	---	115
WILSON	E9370RR *	---	---	---	---	---	---	---	---	---	---	113	---	---	---	---	100	88	---	---	---	---	100

* BRO = BROWN COUNTY, SHA = SHAWNEE COUNTY, FRA = FRANKLIN COUNTY, CHE = CHEROKEE COUNTY, RPD = REPUBLIC COUNTY, BELLEVILLE TEST, RCI = REPUBLIC COUNTY, SCANDIA TEST, HAR = HARVEY COUNTY, STA = STAFFORD COUNTY, SUM = SUMNER COUNTY, THO = THOMAS COUNTY, AVGST = AVERAGE OF ALL STANDARD TRIALS, EXCEPT THE SOYBEAN CYST NEMATODE TRIAL (SCN), BRR = BROWN COUNTY ROUNDUP-RESISTANT, SHR = SHAWNEE COUNTY ROUNDUP-RESISTANT, FRR = FRANKLIN COUNTY ROUNDUP-RESISTANT, CHR = CHEROKEE COUNTY ROUNDUP-RESISTANT, RCR = REPUBLIC COUNTY ROUNDUP-RESISTANT, HRR = HARVEY COUNTY ROUNDUP-RESISTANT, STR = STAFFORD COUNTY ROUNDUP-RESISTANT, THR = THOMAS COUNTY ROUNDUP-RESISTANT, GRR = GREELEY COUNTY ROUNDUP-RESISTANT, AVGRR = AVERAGE OF ALL ROUNDUP-RESISTANT TRIALS.

(CONTINUED)

TABLE 26. DESCRIPTION OF ENTRIES IN 1999 SOYBEAN PERFORMANCE TEST. +

BRAND	NAME	MG	VT	FC	HI	PU	PD	SCN				SOURCE	PHYTO		RR	STS	
								R1	R3	R4	R14		RR	TOL			
KSOY	DELISOY 5500	V	PL	W		T	T		R		MR	Peking/PI88788	S		N	N	
KSOY	KS3494	III	PL	P	BL	T	BR	S	S		S		S		N	N	
KSOY	KS4694	IV	PL	W	BF	G	BR	S	S		S		S		N	N	
KSOY	KS4895	IVS	PL	P	BL	G	T	S	S		S		S		N	N	
KSOY	KS4997	IVS	PL	W	BL	T	T	S	S		S		S		N	N	
KSOY	MACON	III	PL	W	BL	T	BR	S	S		S		S		N	N	
KSOY	STRESSLAND	IV	PL	P	BL	T	T	S	S		S		S		N	N	
PUBLIC	ANAND	V	PL	P	BL	T			R			PI437654	S		N	N	
PUBLIC	CRAWFORD	V	PL	P	BL	T	BR	S	S		S		S		N	N	
PUBLIC	DELISOY 4710	V	PL												N	N	
PUBLIC	DELISOY 5710	V	PL												N	N	
PUBLIC	FLYER	IV	PL	P	BL	T	T	S	S		S		RPS1k		N	N	
PUBLIC	HS93-4118	IV	PL												N	N	
PUBLIC	HUTCHESON	V	PL	W	BF	G	T	S	S		S		S		N	N	
PUBLIC	IA2021	III	PL												N	N	
PUBLIC	IA3010 (A94-774021)	III	PL												N	N	
PUBLIC	K1380	IV	PL												N	N	
PUBLIC	K1401	V	PL												N	N	
PUBLIC	K1410	IV	PL												N	N	
PUBLIC	K1423	V	PL												N	N	
PUBLIC	K1424	V	PL												N	N	
PUBLIC	K1425	V	PL												N	N	
PUBLIC	KS5292	V	PL	W	BF	G	T	R	R		S	PEKING	S		N	N	
PUBLIC	MANOKIN	V	PL	W	BL	T	T	R	R		S	PEKING	S		N	N	
PUBLIC	MD92-5769	V	PL												N	N	
PUBLIC	RESNIK	III	PL	P	BL	T	T	S	S		S		RPS1k		N	N	
PUBLIC	SHERMAN	III	PL	W	BF	G	BR	S	S		S		S		N	N	
PUBLIC	WILLIAMS 82	III	PL	W	BL	BR	T	S	S		S		RPS1k		N	N	
ADV. GENETICS	AG3630 STS	IV	PL	W	BL	T	T								1.4	N	Y
ADV. GENETICS	AG3667 RR *	III	PL	P	BR	T	BR						RPS1a		Y	N	
ADV. GENETICS	AG3797 RR *	III	PL	P	BL	T	BR						RPS1k	1.8	Y	N	
ADV. GENETICS	AG3886RR *	III															
ADV. GENETICS	AG3920	III															
ADV. GENETICS	AG3944NRR *	III															
ADV. GENETICS	AG3957 RR *	III													1.5	Y	N
ADV. GENETICS	AG4188 STS	IV	PL	P	BL	T	T						XG1c	2.2	N	Y	
ADV. GENETICS	AG4437 RR *	IV	PL	W	BF	G	T						RPS2		Y	N	
ADV. GENETICS	AG5277 RR *	V	PL	P		T									Y		
ADV. GENETICS	DS 390	III	PL	W	BL			S	S		S		RPS1c	1.6			
ADV. GENETICS	DS 410	IV	PL	P	BL		BR	BR					RPS1c	2.5	N		
ADV. GENETICS	DS 454	IV	PL	P	BL	T	BR						RPS1c	2.0	N		
ADV. GENETICS	DS 466	IV	PL	W	BL	T	T		R		R			2.0	N		
ADV. GENETICS	DS 485	IV	PL	P	BL	G	T							3.0	N		
ASGROW	A5404 *	V	PL	P	IB				R						N	Y	
ASGROW	AG2903 *	III	PL	P	BL				R		MR	PI88788	RPS1c	2.0	Y	N	
ASGROW	AG3002 *	III	PL	P	BL	T	BR	S	S		S		RPS1k	2	Y	N	
ASGROW	AG3003 *	III	PL	P	IB								RPS1k	2	Y	N	
ASGROW	AG3302 *	III	PL	P	IB								RPS1c	2	Y	Y	
ASGROW	AG3303 *	III	PL	P	BL				R		MR	PI88788	RPS1c	2	Y	N	
ASGROW	AG3701 *	IV	PL	P	IB	G	T	S	R		S	PI88788		4	Y	N	
ASGROW	AG3702 *	III	PL	P	IB								RPS1c	2	Y	N	
ASGROW	AG4101 *	IV	PL	W	BL							PI88788		4	Y	N	
ASGROW	AG4301 *	IV	PL	P	BL	T	T	S	R		R			2	Y	Y	
ASGROW	AG4402 *	IV	PL	W	BL								RPS1k	2	Y	N	

(CONTINUED)

TABLE 26. DESCRIPTION OF ENTRIES IN 1999 SOYBEAN PERFORMANCE TEST. + (CONTINUED)

BRAND	NAME	MG	VT	FC	HI	PU	PD	SCN				SOURCE	PHYTO		RR	STS
								R1	R3	R4	R14		RR	TOL		
ASGROW	AG4702 *	IV	PL	W	BL			S	R	S	R			3	Y	N
ASGROW	AG5401 *	V	PL	W	BF			S	R	S	MR			2	Y	N
ATLAS	5316RR *	III	PL	M	BL			S	S	S	S		RPS1k	8	Y	
ATLAS	5370RR *	IV	PL	P	BR			S	S	S	S		RPS1a	6	Y	
ATLAS	5441NRR *	IV	PL	P	BL			S	R	S	MR	PI88788	RPS1k	7	Y	
DAIRYLAND	DSR-381RR *	III	PL	P	BL			S	S	S	S		RPS1k	1.5	Y	N
DAIRYLAND	DSR-421 *	IV	PL	W	BL			S	MR	S	S	PI88788		2.3	Y	N
DEKALB	CX285RR *	III	PL	P	BL			S	S	S	S		RPS1k	4.0	Y	N
DEKALB	CX300	III	PL	W	BF			S	S	S	S		RPS1c	4.0		
DEKALB	CX367cRR *	III	PL	W	BL			S	R	S	S	PI88788		4.0	Y	N
DEKALB	CX377	III	PL	W	BL	T	T	S	S	S	S		RPS1c	2.0	N	N
DEKALB	CX392RR *	III	PL	W	BL			S	S	S	S		RPS1c	5.0	Y	N
DEKALB	CX400	IV	PL	W	BL	T	BR	S	S		S		S	4.0	N	N
DEKALB	CX444cRR *	IV	PL	P	BL			S	R	S	S	PI88788		4.0	Y	N
DEKALB	CX496c	V	PL	W	BL	T	T	S	R	S	S	PI88788	S	4.0	N	N
DEKALB	CX556cRR *	V	PL	P	IB			S	R	S	S	PI88788	RPS1c	4.0	Y	N
DELTAPINE	DP 3478	IV	PL	P	BL	T		MR	MR		MR			1.0	N	N
DELTAPINE	DP 4344RR *	IV	PL	W	BL	T	T	S	S		S			1.0	Y	N
DELTAPINE	DP 4690RR *	IV	PL	P	BL			S	S		S				Y	N
DELTAPINE	DP 4750RR *	IV	PL	P	BL	T	BR	S	S		S			1.0	Y	N
DELTAPINE	DS 4909	V	PL	W	BL				R		MR					
DYNA-GRO	DG-3306RR *	III	PL	P	IB			S	R	S	R	PI88788		3.0	Y	N
DYNA-GRO	DG-3312RR *	III	PL	P	BL			S	S	S	S		RPS1k	2.0	Y	N
DYNA-GRO	DG-3331N															
DYNA-GRO	DG-3334RR *	III	PL	P	BL			S	S	S	S		RPS1k	3.0	Y	N
DYNA-GRO	DG-3370RR *	III	PL	P	BL			S	S	S	S		RPS1k	3.0	Y	N
DYNA-GRO	DG-3372NRR *	III	PL	W	BL			S	R	S	R	PI88788		2.0	Y	N
DYNA-GRO	DG-3388RR *	III	PL	P	BL	T	T	S	S	S	S		RPS1k	3.0	Y	N
DYNA-GRO	DG-3394RR *	III	PL	W	BR			S	S	S	S		RPS1k	3.0	Y	N
DYNA-GRO	DG-3395	III	PL	P	BL	T	BR	S	S	S	S		RPS1c	3.0		
DYNA-GRO	DG-3401NRR *	IV	PL	W	BL			S	MR	S	MR	PI88788		2.0	Y	N
DYNA-GRO	DG-3402STS	IV	PL	P	BL			S	S	S	S		RPS1c	3.0	N	Y
DYNA-GRO	DG-3424RR *	IV	PL	W	BL			S	MR	S	S	PI88788		2.0	Y	N
DYNA-GRO	DG-3438N	IV	PL	W	BL			S	R	S	MR	PI88788		3.0		
DYNA-GRO	DG-3442NRR *	IV	PL	P	BL			S	R	S	R	PI88788	RPS1k	3.0	Y	N
DYNA-GRO	DG-3444N	IV	PL					S	R	S	R	PI88788		3.0		
DYNA-GRO	DG-3468NRR *	IV	PL	W	BL			S	R	S	MR	PI88788		4.0	Y	N
FONTANELLE	9765RR *	III	PL	P	BL									2	Y	N
GARST	D305 RR *	III	PL	P	BL	T		S	S	S	S		RPS1k	2.5	Y	N
GARST	D350	III	PL	P	BR			S	S	S	S					
GARST	D355RR *	III	PL	P	BR			S	S	S	S		RPS1c		Y	N
GARST	D370RR *	III	PL	P	BL			S	S	S	S		RPS1c		Y	N
GARST	D376 RR *	III	PL	P	BR	T		S	S	S	S			2.0	Y	N
GARST	D398	III	PL	W	BL	T		S	S		S			2.5	N	N
GARST	D399RR/N *	III	PL	P	BL				R		MR	PI88788			Y	N
GARST	D437RR/N *	IV	PL	M	BL	T		S	R		MR	PI88788	RPS1k	2.4	Y	N
GARST	D445/N	IV	PL	P	IB				R		MR	PI88788				
GARST	D450RR/N *	IV	PL	P	BL				R		MR	PI88788	RPS1k		Y	N
GARST	D484RR/N *	V	PL	W	BL				R		MR	PI88788			Y	N
GARST	EX9385 EXP	III	PL	P	BL			S	S	S	S		RPS1c			
HAMON	H-427	IV	PL	P	BL				R	R		PEKING		1.9		
HAMON	H-447	IV	PL	P	BL				R		R	PEKING		1.5		
HOEGEMEYER	333	III	PL	P	IB	G	BR	S	S		S		RPS1a,6	7.0	N	
HOEGEMEYER	346RR *	III	PL	P	BL								RPS1k			

(CONTINUED)

TABLE 26. DESCRIPTION OF ENTRIES IN 1999 SOYBEAN PERFORMANCE TEST. + (CONTINUED)

BRAND	NAME	MG	VT	FC	HI	PU	PD	SCN				SOURCE	PHYTO		RR	STS
								R1	R3	R4	R14		RR	TOL		
HOEGEMEYER	379	III	PL	P									RPS1a,6			
HOEGEMEYER	389RR *	III	PL	W	BR								RPS1k			
HOEGEMEYER	401	IV	PL	P	BR	T	T	S	S		S			N	N	
HOEGEMEYER	402STS	IV	PL	P	BR	T	T	S	S		S			N	Y	
HOEGEMEYER	407NRR *	IV	PL	W	BL											
HOEGEMEYER	428RR *	IV	PL	W	BL											
HOEGEMEYER	451SCN	IV	PL													
HOEGEMEYER	EXP 443RR *	IV	PL	P	BL				R		R		RPS1k			
HYTEST	HTS3600RR *	III	PL	P	BL								RPS1k	3.0	Y	N
HYTEST	HTS3820	III	PL	P	BR									3.0		
HYTEST	HTS4000RR *	IV	PL	P	BL								RPS1k	3.0	Y	N
HYTEST	HTS4220	IV	PL	P	IB				R	R	MR			3.0		
HYTEST	HTS4301RR *	IV	PL	P	BL				R	R	MR		RPS1k	2.0	Y	N
HYTEST	HTS4610	IV	PL	W	BR									3.0		
HYTEST	HTS4800RR *	V	PL	P	BL				R	R	MR			2.0	Y	N
HYTEST	HTS5005	V	PL	P	IB				R	R	MR			3.0		
LEWIS	3816RR *	III	PL	P	BL			S	S	S	S		RPS1k	1.5	Y	N
LEWIS	3999RR *	III	PL	P	BR			S	S	S	S		RPS1a	1.5	Y	N
LEWIS	4392RR *	IV	PL	P	BL			S	R	MR	MR	PI88788	RPS1k	1.5	Y	N
MERSCHMAN	PHOENIX IIRR *	III	PL	W	T			S	S	S	S		RPS1k		Y	N
MERSCHMAN	WASHINGTON VIIRR *	III	PL	P	T			S	S	S	S		RPS1a		Y	N
MIDLAND	8287	III	PL	P	BL	T	BR							2.0	N	
MIDLAND	8322RR *	III	PL	P	BL	T	T							2.0	Y	
MIDLAND	8334	III	PL	P	BR	T	BR							3.0	N	
MIDLAND	8336N	III	PL	W	BL				R		MR			1.6	N	
MIDLAND	8355	III	PL	P	IB	G	T							2.8	N	
MIDLAND	8371	IV	PL	P	BL	T	BR								N	
MIDLAND	8376N	IV	PL	P	BL				R		MR		RPS1k	1.4	N	
MIDLAND	8382RR *	IV	PL	P	BL	T	BR						RPS1k	1.8	Y	
MIDLAND	8388	IV	PL	W	BL	T	BR		R		MR		RPS1a	6.0	N	
MIDLAND	8390RR *	IV	PL	P	BL	T	BR		R	MR				2.0	Y	
MIDLAND	8393	IV	PL	P	BL	T	T							3.0	N	
MIDLAND	8394RR *	IV	PL	W	BL	T	BR		MR		MR			1.7	Y	
MIDLAND	8396STS	IV	PL	P	BL	T	T						RPS1c	2.0	N	STS
MIDLAND	8398	IV	PL	W	BF				MR					1.6	N	
MIDLAND	8410	IV	PL	P	BR	T	T							4.0	N	
MIDLAND	8411BRR *	IV	PL	P	BR	T	BR							1.8	Y	
MIDLAND	8411RR *	IV	PL	P	BR										Y	
MIDLAND	8421	IV	PL	W	BL	T	T		R		MR			6.0	N	
MIDLAND	8422RR *	IV	PL	P/W	BL	T	T		R		MR		RPS1c	2.1	Y	
MIDLAND	8431	IV	PL	P	BL	T	T						RPS1k	2.0	N	
MIDLAND	8450STS															
MIDLAND	8475	V	PL	W	BL	T	T		R		R			4.0	N	
MIDLAND	8486	V	PL	P	BL	BR	BR							2.0	N	
MIDLAND	8530	V	PL	M	BL	T	T		MR					2.0	N	
MIDLAND	8540RR *	V	PL		IB										Y	
MIDLAND	9A270RR *	III	PL	P	BL								RPS1k		Y	
MIDLAND	9A280RR *	III	PL	W	BL								RPS1k		Y	
MIDLAND	9A320STS	III	PL	P	BL									1.4	N	STS
MIDLAND	9A340NRR *	III	PL	W	BL				MR					1.3	Y	
MIDLAND	9A360RR *	IV	PL	P	BL				R	R			RPSc	2.2	Y	
MIDLAND	9A380RR (XA380RR) *	III													Y	
MIDLAND	9A430RR *	IV													Y	
MIDLAND	9B350RR (XB350RR) *	III	PL	W	BL								RPS1c	1.7	Y	

(CONTINUED)

TABLE 26. DESCRIPTION OF ENTRIES IN 1999 SOYBEAN PERFORMANCE TEST. + (CONTINUED)

BRAND	NAME	MG	VT	FC	HI	PU	PD	SCN				SOURCE	PHYTO		RR	STS
								R1	R3	R4	R14		RR	TOL		
MIDLAND	9E320RR *	III	PL	P	BL				R	R			RPS1k	1.8	Y	
MIDLAND	9G350STS	III	PL	W	BL				R		MR			1.6	N	STS
MIDLAND	9G370RR *	IV	PL	M	BL									1.5	Y	
MIDLAND	XA350	III	PL												N	
MIDLAND	XA370RR *	IV	PL	P	BL								RPS1a		Y	
MIDLAND	XA400RR *	IV	PL	P	BL								RPS1k		Y	
MIDLAND	XA420N	IV	PL												N	
MIDLAND	XA421RR *	IV	PL	P	BL										Y	
MIDLAND	XA440NRR *	IV	PL	P	BL				R		MR		RPSk		Y	
MIDLAND	XA450	IV	PL	P	BL										N	
MIDLAND	XA480NRR *	V	PL	W	BL				R		MR				Y	
MIDLAND	XA520N	V	PL	W	BF									1.9	N	
MIDLAND	XB370N	IV	PL	P	IB								RPS1k		N	
MIDLAND	XB380	III	PL	P	BR									2.5	N	
MIDLAND	XB480RR *	V	PL	P	BL										Y	
MIDLAND	XE370RR *	IV	PL	BL	BR								RPS1c	2.1	Y	
MIDLAND	XE480	V	PL	P	BL										N	
MIDWEST SEED	G 3844S	IV	PL	P	BL									3.8	N	STS
MIDWEST SEED	G 3922NRR *	IV	PL	W	BL									3.6	Y	
MIDWEST SEED	G 3925RR *	IV	PL	P	BL									4.0	Y	
MIDWEST SEED	G 3996	IV	PL	W	BL									4.6	N	
M-PRIDE	MPU398NRR *	III	PL	W	BL					MR		MR		1.7	Y	N
M-PRIDE	MPU437NRR *	IV	PL	W	BL					R		R			Y	N
M-PRIDE	MPU457NRR *	IV	PL	W	BL					R		MR			Y	N
M-PRIDE	MPU537NRR *	V	PL	P	BF					R		MR		2.0	Y	N
MYCOGEN	5383	IV	PL	P	BL	T	BR	S	S	S	S		RPS1a	6.0	N	N
MYCOGEN	5404	IV	PL	W	BR	T	BR	S	S	S	S		RPS1a	5.0	N	N
NC+	2A88RR *	III	PL	P	BL								RPS1k	3.0	Y	
NC+	2A97RR *	III	PL	P	BL								RPS1k	1.8	Y	
NC+	2A99	III	PL	P	BL	T	BR							3.0	N	N
NC+	3A19RR *	III	PL	M	BL									2.0	Y	
NC+	3A26	III	PL	P	BF	G	BR						RPS1a	3.0	N	N
NC+	3A30	III	PL	P	BL				R	R	R			3.0	N	
NC+	3A77RR *	III	PL	P	BL									4.0	Y	
NC+	3A82STS	III	PL	P	BL									4.0	N	
NC+	3A87	III	PL	P	BL	T	BT						RPS1k	4.0	N	N
NC+	3A99RR *	III	PL	W	BR								RPS1a	2.5	Y	
NC+	4A10	IV	PL	P	BF	T	T							2.0	N	N
NC+	4A29RR *	IV	PL	W	BL								RPS1c	1.7	Y	
NC+	4A47	IV	PL	W	BF	G	BR							4.0	N	N
NC+	4N26	IV	PL	P	IB				R	R	R			2.0	N	
NC+	4N49RR *	IV	PL	P	BL				R		R		RPS1k	3.0	Y	
NC+	4N79RR *	IV	PL	W	BL				R		R					
NC+	5A44	V	PL	P	BR	G	T		R	R	R			3.0	N	N
NK	S33-P2	III	PL	W	BR	T	BR	S	S	S	S		S	4.0	N	N
NK	S39-D9 *	III	PL	P	BL	T	T	S	S	S	S		RPS1c		Y	N
NK	S42-M1 *	IV	PL	P	BL	T	T		R		R		S	3.0	Y	
NK	S43-B5	IV	PL	W	BR	T	T	S	S	S	S		RPS1c	3.0	N	N
NK	S46-W8 *	IV	PL	P	BL	T	T		R		MR		RPS1c	4.0	Y	N
NK	S51-T1 *	V	PL	W	BF	G	T		MR				S	6.0	Y	N
NK	S57-11	V	PL	P	BL	T	BR		R		MR		RPS1c	2.0	N	N
NK	S59-V6 *	V	PL	P	BL				R		MR		S	2.0	Y	
NK	X9930RR *	III	PL	W	BR			S	S	S	S		RPS1c	7.0	Y	
NK	X9934RR *	III	PL	P	BL			S	S	S	S		RPS1k	4.0	Y	

(CONTINUED)

TABLE 26. DESCRIPTION OF ENTRIES IN 1999 SOYBEAN PERFORMANCE TEST. + (CONTINUED)

BRAND	NAME	MG	VT	FC	HI	PU	PD	SCN				PHYTO		RR	STS
								R1	R3	R4	R14	SOURCE	RR		
PIONEER	9344 *	III	PL	P	BL								5.0	Y	
PIONEER	93B01 *	III	PL	P	BL								RPS1k	6.0	Y
PIONEER	93B34 *	III	PL	P	BL	T	BR						RPS1k	5.0	Y
PIONEER	93B41	III	PL	P	BL	T	T						RPS1k	6.0	N
PIONEER	93B51 *	III	PL	W	BL	T	T							6.0	Y
PIONEER	93B53 *	III	PL	P	BL	T	BR						RPS1k	5.0	Y
PIONEER	93B82	III	PL	P	BL	T	BR						RPS1k	4.0	N
PIONEER	93B84 *	III	PL	P	BL								RPS1k	7.0	Y
PIONEER	9492 *	V	PL	W	BL				R		R			3.0	Y
PIONEER	94B01 *	IV	PL	W	BL	T	T		R		R			6.0	Y
PIONEER	95B33	V	PL	P	IB	G	T		R		MR			5.0	N
PIONEER	95B71 *	V	PL	W	BL				R					4.0	Y
PRAIRIE BRAND	PB-3515RR *	III	PL	P	BR			S	S	S	S		RPS1c		Y
PRAIRIE BRAND	PB-3770RR *	III	PL	P	BL			S	S	S	S		RPS1a		Y
PRAIRIE BRAND	PB-3930RR *	III	PL	W	BR			S	S	S	S		RPS1k		Y
PRAIRIE BRAND	PB-4100RR *	IV	PL	P	BR			S	S	S	S		RPS1a		Y
RENZE	EX3101R EXP *	III	PL	M	BR			S	S	S	S		RPS1k	3.0	Y
RENZE	R3300R *	III	PL	P	BL			S	S	S	S		RPS1k	3.0	Y
RENZE	R3500R *	III	PL	W	BL			S	S	S	S		RPS1k	3.0	Y
RENZE	R3890Rcn *	III	PL	P	BL			S	R	MR	MR		S	4.0	Y
STINE	3203-4 *	III	PL	M	BR								RPS1k		Y
STINE	3293-4 (3294) *	III	PL	M	BL	T	T	S	S	S	S				Y
STINE	3398-8 (3388)	III	PL	P	BR	T	BR	S	S	S	S		RPS1k		N
STINE	3503-4 *	III	PL	W	BL			S	S	S	S		RPS1k,1a		Y
STINE	3700-4 *	III	PL	P	BL			S	S	S	S		RPS1k,1a		Y
STINE	3870-0 (3870-1)	III	PL	W	BL	T	BR	S	S	S	S		RPS1a		N
STINE	4001-4 *	IV	PL	P	BR			S	S	S	S		RPS1a		Y
STINE	4292-4 *	IV	PL	W	BL			S	S	S	S				Y
STINE	4702-2	IV	PL	M	BL			S	R	MR	MR	PI88788			N
STINE	4802-4 *	V	PL	W	BL			S	S	S	S		S		Y
STINE	X3900	III	PL	P	BL			S	S	S	S				N
TAYLOR	355RR *	III	PL	W				S	S	S	S		RPS1a	2.0	Y
TAYLOR	385RR *	III	PL	P											Y
TAYLOR	390RR *	III	PL	W				S	S	S	S		RPS1k	1.8	Y
TAYLOR	394RR *	III	PL	P	BR			S	S	S	S		RPS1a	2.2	Y
TAYLOR	396	III	PL	W		T		S	S	S	S		RPS1a	2.2	N
TAYLOR	415RR *	IV													Y
TAYLOR	445RR *	IV	PL	P	BL			S	R	S	R		RPS1k	2.0	Y
TAYLOR	488RR *	IV	PL	W				S	R	S	R		S	2.4	Y
TERRA	TS336RR *	III		W	BL				S					3.0	Y
TERRA	TS348	III		W	BL			S					RPS1a	2.0	N
TERRA	TS3680RR *	III		W	BL				MR					2.0	Y
TERRA	TS387	III		P	BL	TW	BR	S					RPS1a	4.0	N
TERRA	TS387RR *	III		W	BL				MR		MR			3.0	Y
TERRA	TS396RR *	III		P	BL								RPS1c	3.0	Y
TERRA	TS415	IV		M	BL	TW	BR						RPS1a	4.0	N
TERRA	TS4280RR *	IV		W	BL			S						3.0	Y
TERRA	TS438	IV		W	BL				R		MR			4.0	N
TERRA	TS466RR *	IV		W	BL	T	T		R		MR			3.0	Y
TERRA	TS4792	IV		P	BL	BR	T		R	R				3.0	N
TERRA	TS556RR *	V		P	BL				MR	MR	R			3.0	Y
TRIUMPH	TR3519RR *	III	PL	W	BL									2.0	Y
TRIUMPH	TR3939RR *	III	PL	P	BL	T	BR		R	MR				3.0	Y
TRIUMPH	TR4319RR *														N

(CONTINUED)

TABLE 26. DESCRIPTION OF ENTRIES IN 1999 SOYBEAN PERFORMANCE TEST. + (CONTINUED)

BRAND	NAME	MG	VT	FC	HI	PU	PD	SCN				PHYTO		RR	STS	
								R1	R3	R4	R14	SOURCE	RR			TOL
TRIUMPH	TR4339RR *	IV	PL	P	BL	T	T		R	R	S		2.0	Y	N	
TRIUMPH	TR4718RR *	IV	PL	W	BL				R		MR		3.0	Y		
TRIUMPH	TR5409RR *	V	PL	P	BF	G	T		MR	MR	R		3.0	Y	N	
U.S. SEEDS	US S3209RR *	III	PL	W	BL				MR		MR	PI88788		2.0	Y	
U.S. SEEDS	US S339	III	PL	P	BR								RPS1k	2.5	N	
U.S. SEEDS	US S3609RR *	III	PL	P	BR				R	MR		PI88788		3.0	Y	
U.S. SEEDS	US S369STS	III	PL	W	BL				R		MR	PI88788		2.0	N	
U.S. SEEDS	US S380	III	PL	P	BL								RPS1a	3.5	N	
U.S. SEEDS	US S3909RR *	III	PL	P	BL								RPS1k	1.5	Y	
U.S. SEEDS	US S399STS	III	PL	P	BL								RPS1c	3.0	N	
U.S. SEEDS	US S439	IV	PL	W	BL				R		MR	PI88788		3.0	N	
U.S. SEEDS	US S4409RR *	IV	PL	P	BL				R		MR	PI88788		1.5	Y	
U.S. SEEDS	US S4809RR *	V	PL	W	BL				R		MR	PI88788		2.5	Y	
WILFARM	WF370RR *	III	PL	P	IB								RPS1c		Y	
WILFARM	WF480RR *	V	PL	W	B				R		MR				Y	
WILLCROSS	9447	V	PL	P	BL	T	BR								N	N
WILLCROSS	9449NSTS	IV	PL	P	BL	T	BR								N	STS
WILLCROSS	9450NSTS	IV	PL	W	BL				R	R					N	STS
WILLCROSS	9640	IV	PL	M	M	T	BR						RPS1a	4.0	N	N
WILLCROSS	9738	III	PL	P	BL	T	BR						RPS1a	4.0	N	N
WILLCROSS	9940N	III	PL	W	BL								RPS1a	2.0	N	
WILLCROSS	9947N	IV	PL	W	BL				R	R				2.1	N	
WILLCROSS	9951N	V	PL	P	IB				R	R					N	
WILLCROSS	RR2300 *	III	PL	P	BL								RPS1a	1.9	Y	
WILLCROSS	RR2320N *	III	PL	P	IB				R	R			RPS1c	1.8	Y	
WILLCROSS	RR2338 *	III	PL	P	BL	T	T						RPS1k	1.9	Y	N
WILLCROSS	RR2350 *	III	PL	W	BL								RPS1k	1.7	Y	
WILLCROSS	RR2357 *	III	PL	P	BR	T	BR						RPS1a	5.0	Y	N
WILLCROSS	RR2368 *	III	PL	P	BL	T	T						RPS1k	1.8	Y	N
WILLCROSS	RR2388N *	III	PL	W	BL				MR	MR				2.0	Y	
WILLCROSS	RR2397 *	III	PL	P	BL	T	T						RPS1c		Y	N
WILLCROSS	RR2449N *	IV	PL	P	BL	T	T		R	MR			RPS1a		Y	N
WILLCROSS	RR2467N *	IV	PL	W	BL	G	T		R		MR			4.0	Y	N
WILLCROSS	RR2469N *	IV	PL	W	BL				R	R					Y	
WILLCROSS	RR2480 *	V	PL	P	BL								S	1.8	Y	
WILLCROSS	RR2490N *	V	PL	P	BL				R	R				1.8	Y	
WILLCROSS	RR2517N *	V	PL	P	BF	G	T		MR	R				2.0	Y	
WILLCROSS	RR2520N *	V	PL	P											Y	
WILSON	E9370RR *	III	PL	P	BL								RPS1k	2.0	Y	

+ MG = MATURITY GROUP; VT = VARIETY TYPE, PL = PURE LINE, B = BLEND; FC = FLOWER COLOR; P = PURPLE; W = WHITE, M = MIXED; HI = HILUM COLOR; BL=BLACK; IB=IMPERFECT BLACK; BR = BROWN; BF = BUFF; G = GREY; Y = YELLOW, M = MIXED; PU = PUBESCENCE COLOR; T = TAWNY; BR = BROWN; G = GREY; PD = POD COLOR; BR= BROWN; T= TAN; SCN = SOYBEAN CYST NEMATODE; R1, R3, AND R14 = RACE 1, 3, AND 14, RESPECTIVELY; S = SUSCEPTIBLE, R = RESISTANT; MR = MODERATELY RESISTANT; PHYTO = PHYTOPHTHORA ROOT ROT; RR = RACE RESISTANT; RPS1a-etc, INDICATE MAJOR GENES FOR RESISTANCE, H= HETEROGENEOUS; TOL = FIELD TOLERANCE SCORE WITH 1 = EXCELLENT TO 9 = POOR; RR= ROUNDUP-RESISTANT, Y= ROUNDUP-RESISTANT VARIETY, N= NOT A ROUNDUP-RESISTANT VARIETY; STS= SULFONYLUREA TOLERANCE, Y= TOLERANT TO SULFONYLUREA HERBICIDES, N= NOT TOLERANT TO SULFONYLUREA HERBICIDES, IRON= IRON CHLOROSIS SCORE, 1= NO CHLOROSIS TO 9= SEVERE CHLOROSIS. ALL INFORMATION EXCEPT CHLOROSIS SCORES SUPPLIED BY ENTRANT.

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