



KANSAS PERFORMANCE TESTS WITH

SOYBEAN VARIETIES

REPORT OF PROGRESS 845

Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service

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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 cultural and 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 homepage: tests' http://www.ksu.edu/kscpt.

For the past several years, Experiment Station personnel have conducted trials to evaluate the performance soybean of varieties when grown in soil infested with soybean cyst nematode (SCN). A summary of results for the past 4 years is included in 12 (Cherokee County). Entries resistant and susceptible to SCN 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 vear.

DATA INTERPRETATION

<u>Yields</u> 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.

<u>Lodging</u> 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

<u>Height</u> 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 statistically insufficient to 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.

TADIE 1	CLIMMADA OL	ENITOANITO	AND ENTRIES IN	PERFORMANCE TESTS
IABLE I.	SUMMARY OF	- EINTRAINTS /	AND ENTRIES IN	PERFURIMANCE 1E313

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

(CONTINUED)

phone: 316-543-2707 fax: 316-543-2811

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, TS419 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) WF37 5401 N. Oak Trafficway Gladstone, MO 64118 phone: 816-459-3823 fax: 816-459-3740

Wilson Seeds, Inc. (Wilson) P.O. Box 391 Harlan, IA 51537 phone: 712-755-3841 fax: 712-755-5261

E9370 RR

WF370RR, WF480RR

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

COUNTY: DRYLAND

ITEM	BROWN	FRANKLIN	CHEROKEE	CHEROKEE†	REPUBLIC	HARVEY	SUMNER	GREELEY
							B. Schapaugh	
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	(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
рН	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	М	_	M	M (RR)	Н	Н	М	М
K test	Н	_	L	M (RR)	VH	VH	Н	
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) Test avg. (bu/a)	none	none	15N, 60P, 60K	12N, 48P, 48K	none	none	9N, 26P	80 N
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		
MG IV			15.8 (15.3)			(20.0) 14.7 (19.2)		
MG V			18.5 (13.9)			(19.2)		
Roundup resistant MG III	35.3 (9.8)	39.4 (7.3)				22.1		24.1 (9.2)
MC IV				25.5 (10.1)		(21.4) 18.7		
MG V				30.2 (10.7)		(19.8)		
Row length (ft)	13	30	14	14	20	25	15	32
Seeding rate (seeds/ft)	8	8	8	8	10	8	7	8
Rows	2	2	2	2	2	2	2	2
harvested 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>	6.20	<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
			(CC	NTINUED)				

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

	,		CC	DUNTY: IR							
ITEM	SHAW	'NEE	REPU	JBLIC	STAFF	FORD	THO	MAS			
Cooperator	L. Ma (78 354-7	5)	(78	ordon 85)	V. Ma (31	6)	(78				
Station or field	Tope			2836 ndia	549-3 St. J		462-6 Co				
Soil: texture	Silt lo	oam	Silt	oam	Loamy	sand	Silt I	oam			
рН	6.0	6		(ST) (RR)	6.	2	7.	7			
Organic matter (%)	1.	7		(ST) (RR)	0.		2.	.0			
P test	M		ľ	M	F	l		. -			
K test	Н		ŀ	1	M	1	_				
Planting date	5/1	9		(ST) (RR)	6/	3	5/21				
Herbicides ** (per acre)	1 qt. Tre oz. S			Dual + .5 cor (ST);	1 qt. 4 oz. F (ST and 1 qt. Ro	Raptor d RR); oundup	1.5 pt. Tref,(ST); 1.5 pt. Roundup (RF				
Fertilizers (lbs/a) Test avg. (bu/a)	nor	ne	no	ne	2 appl. 28N,		6N, 20P				
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	3		20	29 (i 21 (l		2				
Seeding rate (seeds/ft)	7			2	7		g				
Rows harvested	2		:	2	2		2	2			
Rainfall (R) or Irrigation (I)	R	1	R	1	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	5.0			
September Total	<u>3.56</u> 18.92	<u>1.5</u> 9.0	<u>2.37</u> 19.11	8.00	<u>3.20</u> 19.57	11.3	<u>0.84</u> 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.

		YIELD					YIELD	F	MAT LODGING F						
		(Bu/A)								TEST A	VERAGE	1	SCORE I		
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		1999	
				M	ATURITY	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

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

					YIELD					YIELD	AS % C	F	MAT	LODGIN	G HT
					Bu/A)					TEST A	VERAGE	3		SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		1999	
	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.

			YIELD					YIELD AS % OF				MAT LODGING H			
					(Bu/A)				TEST A	VERAGE	<u> </u>		SCORE	IN
BRAND	ENTRY	1999	1998	1997	1995	2-Yr	3-Yr	4-Yr	1999	1998	1997	1995		1999	
				MZ	ATURITY	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

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

IADLE 4. SHAWNE	E COUNTI SOIBEAN PERFO		(AIED),	YIELD			- ,		YIELD	AS % C	F	MAT	LODGIN	G HT
					(Bu/A)				T	EST AV	ERAGE			SCORE	IN
BRAND	ENTRY	1999	1998	1997	1995	2-Yr	3-Yr	4-Yr	1999	1998	1997	1995		-1999	
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)		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.

						AS %	OF	MAT	LODGIN						
					(Bu/A)					TEST A				SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		-1999	
				М	ATURITY	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	3:
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		1102	107	110		10/7	1.0	25
TERRA	TS415	44.7	44.9	48.1	54.3	44.8	45.9	48.0	108	107	107	106	10/1	1.0	31
TERRA	TS438	42.3	44.9	40.1	54.3	44.0	45.9		108					1.0	31
TERRA U.S. SEEDS	TS438 US S339	44.0							102				10/6 9/28	1.0	26
U.S. SEEDS	US S369STS	38.4							93				9/30	1.0	23

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

,					YIELD					YIELD	AS % C	F	MAT	LODGIN	G HT
					(Bu/A)				TEST A	VERAGE	<u>: </u>		SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		-1999	
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.

					YIELD					YIELD	AS % C	F	MAT	LODGIN	G HT
					(Bu/A)				TEST A	VERAGE	<u>: </u>		SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		-1999	
				MZ	ATURITY	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										

TABLE 6. CHEROKEE COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1996-1999. (CONTINUED) YIELD YIELD AS % OF MAT LODGING HT SCORE (Bu/A) TEST AVERAGE IN 1999 BRAND ENTRY 1998 1997 1996 2-Yr 3-Yr 4-Yr 1999 1998 1997 1996 -----1999-----MATURITY GROUPS IVS-V DS 485 89 122 26 ADV. GENETICS 16.5 39.7 ___ 28.1 ___ ---10/6 1.0 A5404 * 23.1 125 10/10 1.0 25 **ASGROW** ---CX496c 77 DEKALB 14.2 10/12 1.0 25 ---DELTAPINE DP 3478 18.5 100 10/4 1.0 25 DS 4909 28 DELTAPINE 21.8 118 10/13 1.0 ------___ ---___ ------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 XA520N 20.0 108 10/13 1.0 23 MIDLAND ---------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 95B33 PIONEER 18.1 42.3 98 130 10/9 1.0 22 ---30.2 ---------PIONEER 95B71 * 23.3 126 10/11 1.0 29 ------___ ---STINE 4702-2 14.8 10/3 1.0 24 80 TS4792 15.3 1.0 29 TERRA 83 10/6 9947N 11.9 10/10 1.0 22 WILLCROSS 64 ---___ ___ ___ ___ ------WILLCROSS 21.4 29 9951N ---116 10/11 1.0 ---___ ---------___ ------WILLCROSS RR2517N * 19.1 28.1 23.6 103 86 10/9 1.0 22 KSOY DELSOY 5500 18.9 34.8 57.1 26.9 102 107 98 10/10 22 40.9 36.9 37.9 112 1.0 KSOY KS4895 16.0 31.0 43.2 23.5 ---87 95 ---103 10/8 1.0 23 ___ ---KS4997 19.1 37.7 57.2 46.9 28.4 38.0 103 112 10/7 1.0 21 KSOY 40.2 116 112 22.9 ANAND 38.8 ___ 30.8 124 119 ---10/12 1.0 21 21.8 74 10/8 27 CRAWFORD 13.7 17.7 67 1.0 ------------------DELSOY 4710 13.4 72 10/7 1.0 26 ------___ ------___ ___ ---DELSOY 5710 21.6 117 ---10/16 1.0 28 HUTCHESON 18.1 10/12 32.8 51.3 42.9 25.5 34.1 36.3 98 101 101 103 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

97

88

126

129

107

97

94

95

101

94

35.4

35.6

10/10

10/8

10/9

10/11

1.0

1.0

1.0

1.0

24

23

23

16

K1425

TEST AVERAGES

LSD (.10)

KS5292

MANOKIN

MD92-5769

18.0

16.3

23.2

23.8

18.5

3.5

34.8

31.5

32.6

5.0

48.1

48.6

51.0

5.4

42.3

39.2

41.7

3.8

25.5

27.3

33.1

34.4

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

					YIELD					YIELD	AS % C	F	MAT	LODGIN	G HT
					(Bu/A))				TEST A	VERAGE	<u> </u>		SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		-1999	
				MZ	TURITY	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	22.3						~-	_0,0		
LSD (.10)		4.5	4.6	6.4	8.2										

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

TIDDE OF RELIGION	TO COUNTY DOIDERN T		(111111		YIELD						AS % C			LODGIN	_
					(Bu/A						VERAGE			SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		1999	
				M	ATURITY	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
		05.0	55.5	00.1	U	01.0	00.7	00.0	٠,	20		20	-0,1		-

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

					YIELD					YIELD	AS % C	F	MAT	LODGIN	G HT
					(Bu/A)				TEST A	VERAGE	2		SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		-1999	
	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.

					YIELD					YIELD	AS % C	F	MAT	LODGIN	G HT
					(Bu/A)				TEST A	VERAGE	<u> </u>		SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		-1999	
				MZ	ATURITY	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.

					YIELD					YIELD	AS % C	F	MAT	LODGIN	G HT
					(Bu/A)				TEST A	VERAGE			SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		1999	
				MZ	ATURITY	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										
				MZ	ATURITY	GROUP :	ΙV								
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 BETWEE	N MATURITY GROUPS)	4.0	2.2	6.9	8.3										

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

					YIELD					YIELD	AS % C	F	MAT	LODGIN	G HI
					(Bu/A))				TEST A		!		SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		-1999	
				MZ	ATURITY	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
11001	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)		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
	K1380 K1410	45.5	39.9						103	101			10/7	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
	RESNIK SHERMAN	40.1	34.2	48.6	47.0 59.0	38.7 37.5	41.2	45.6	90 92	94 86	109	105	9/29	1.0	31
		40.8	34.2	35.6	49.4	40.8	39.1	41.6	92 107	86 86	80	88	10/6	1.0	31
TEST AVERAGES	WILLIAMS 82					40.6	39.1	41.6	107	00	60	00	10/6	1.0	32
_		44.4	39.6	44.7	56.0										
LSD (.10)		7.2	7.2	6.4	5.5										

TABLE 12. CHERO	KEE COUNTY SOYBEAN	PERFORMAN	CE ON 5	OIL INF		IIH SOI	DEAN CI	DI MEM	AIODE,		_				
					YIELD					YIELD			MAT	LODGIN	-
		1000	1000	1000	(Bu/A				1000	TEST A				SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		-1999	
				M	ATURITY	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	DELSOY 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
1.501	ANAND	26.6	26.1			26.3			128	92			10/14	1.0	18
	DELSOY 4710	20.8							100				10/10	1.0	24
	DELSOY 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	25.0		20.0		27. 0		131				10/16	1.0	18
	K1424 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	10/13	1.0	20
	MANOKIN	29.1	26.7	40.7	37.4	27.9	32.2	33.5	140	92 95	103	124	10/14	1.0	21
TEST AVERAGES	TANULTIN	20.8	28.2	37.9	30.2	41.9	34.4	33.3	140	33	100	124	10/12	1.0	21
			4.0	4.1	30.2										
LSD (.10)		2.7	4.0	4.1	3.8										

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

		YIELD	YIELD AS % C		LODGING	HT
BRAND	ENTRY	(Bu/A)	TEST AVERAG	E	SCORE	II
	MATURITY G	ROUPS 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.

			YIELD		YIELD	AS % OF	MAT I	ODGIN	G HT
			(Bu/A)		TEST A	AVERAGE		SCORE	IN
BRAND	ENTRY	1999	1998	2-Yr	1999	1998		1999-	
		MAT	URITY GR	OUPS 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

REAND	TABLE 14. BROWN CO	UNTY ROUNDUP-RESISTANT	SOYBEAN	PERFORMA	NCE (DR	YLAND),	1998-199	9. (CON	TINUEL))
GARST D370RR* 37.9					(
GARST D370RR* 37.9 107 9/27 1.0 30 GARST D399RR/N* 36.1 102 10/4 1.0 32 LEWIS 399RR* 38.2 108 107 10/1 1.0 27 LEWIS 399RR* 38.2 108 10/4 1.0 32 LEWIS 4392RR* 41.1 116 10/6 1.0 31 M-PRIDE MPU39NRR* 31.2 88 10/1 10/7 1.0 26 M-PRIDE MPU39NRR* 31.2 88 10/1 10/7 1.0 26 M-PRIDE MPU45YNRR* 35.6 10/1 10/7 1.0 26 M-PRIDE MPU45YNRR* 34.0 96 10/8 1.0 32 M-PRIDE MPU45YNRR* 33.8 96 10/8 1.0 32 MERSCHMAN WASHINGTON VITER* 33.9 50.6 42.2 95 99 10/2 1.0 23 MERSCHMAN WASHINGTON VITER* 33.9 50.6 42.2 95 99 10/2 1.0 23 MERSCHMAN WASHINGTON VITER* 33.9 50.6 42.2 95 99 10/2 1.0 23 MEDIAND 832RR* 33.7 95 10/1 1.0 32 MEDIAND 832RR* 33.7 95 10/1 1.0 32 MEDIAND 831LER* 34.1 97 10/3 1.0 32 MEDIAND 841LER* 34.1 97 10/3 1.0 32 MEDIAND WASHINGTON WITER* 34.2 95 10/4 1.0 36 MEDIAND WASHINGTON WITER* 34.2 95 10/4 1.0 36 MEDIAND WASHINGTON WASHINGT										
GARST D399RR	BRAND	ENTRY	1999		2-Yr			-====		
GARST D399RR										
LENTIS 399RR * 38.2 107 10/1 1.0 27 LENTIS 499RR * 41.1 116 10/6 1.0 27 LENTIS 499ZRR * 41.1 116 10/6 1.0 31 M-PRIDE MPU39SHURR * 31.2 186 10/6 1.0 31 M-PRIDE MPU437HURR * 35.6 101 10/7 1.0 26 M-PRIDE MPU437HURR * 35.6 101 10/7 1.0 26 M-PRIDE MPU437HURR * 33.8 96 10/8 1.0 32 MERSCHHAN MAHINOTON VILR * 33.9 50.6 42.2 96 10/4 1.0 28 MERSCHHAN MAHINOTON VILR * 33.9 50.6 42.2 96 -9 10/4 1.0 28 MIDILAND 838ZRR * 34.5 98 10/1 10/2 1.0 28 MIDILAND 839GRR * 34.5 98 10/1 10/2 1.0 28 MIDILAND 839GRR * 34.1 95 10/1 1.0 26 MIDILAND 841LER * 34.1 97 10/3 1.0 29 MIDILAND 943GRR (XA380RR) * 39.3 5.2 42.7 95 10/2 10/5 1.0 30 MIDILAND MAHINOTON VILR * 33.4 5 111 10/1 1.0 26 MIDILAND MAJORR * 34.2 97 10/3 1.0 29 MIDILAND MAJORR * 34.2 97 10/1 1.0 26 MIDILAND MAJORR * 34.2 97 10/4 1.0 36 MIDILAND MAJORR * 34.2 110 10/7 1.0 36 MIDILAND MAJORR * 34.2 110 10/4 1.0 26 MIDILAND MAJORR * 34.2 110 10/4 1.0 27 MC* MAJORR * 34.2 10/4 1.0 27 MC* MAJORR * 34.2 10/4 1.0 27 MC* MAJORR * 34.2 10/4 1.0 27 MC* MAJORR * 34.6 10/4 1.0 27 MC* MAJORR * 35.6 10/4 1.0 27 MAJORR * 35.6 10/4 1.0	GARST	D370RR *	37.9			107		9/27	1.0	30
LEMIS 4392R * 41.1 106 10/4 1.0 29 LEMIS 4392R * 41.1 116 10/6 1.0 31 M-PRIDE MPU398NRR * 31.2 88 10/4 1.0 27 M-PRIDE MPU457NRR * 35.6 101 10/7 1.0 26 M-PRIDE MPU457NRR * 34.0 96 10/8 1.0 32 MERSCHMAN PHORIX IIRR * 33.8 96 10/8 1.0 32 MERSCHMAN WASHINGTON VITRR * 33.9 50.6 42.2 96 99 10/2 1.0 28 MIDILAND 839CR * 34.5 98 10/2 1.0 27 MIDILAND 839CR * 34.5 98 10/2 1.0 28 MIDILAND 839CR * 34.5 98 10/2 1.0 33 MIDILAND 839CR * 34.5 98 10/2 1.0 28 MIDILAND 8411BRR * 34.1 97 10/3 1.0 29 MIDILAND 8411BRR * 34.1 97 10/3 1.0 29 MIDILAND 8411BRR * 33.4 52.0 42.7 95 102 10/5 1.0 30 MIDILAND 8412RR * 33.7 95 102 10/5 1.0 30 MIDILAND MACAURA * 33.7 95 102 10/5 1.0 30 MIDILAND XA37ORR * 33.3 7 95 102 10/5 1.0 30 MIDILAND XA37ORR * 33.3 7 95 102 10/5 1.0 30 MIDILAND XA42IRR * 34.2 97 10/4 1.0 26 MIDILAND XA42IRR * 34.2 97 10/4 1.0 26 MIDILAND XA42IRR * 36.8 10/4 10/7 1.0 26 MIDILAND XA42IRR * 36.8 10/4 10/7 1.0 26 MIDILAND XA42IRR * 36.8 10/6 10/7 1.0 30 MK X9930RR * 28.5 10/6 10/7 1.0 30 MK X9930RR * 28.5 10/6 10/7 1.0 30 MK X9930RR * 35.4 10/6 10/7 1.0 26 MRAITHE BRAND PB-3770RR * 36.0 10/6 10/7 1.0 30 MK X9934RR * 36.0 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.4 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.4 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.4 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.4 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.4 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.0 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.0 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.0 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.0 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.0 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.0 10/6 10/7 1.0 30 MRAIXE REMEM PB-370RR * 35.0 10/6 10/7 1.0	GARST	D399RR/N *	36.1			102		10/4	1.0	32
LEMIS	LEWIS	3816RR *	37.9			107		10/1	1.0	27
M-PRIDE MPU39NNR * 35.6 101 107 1.0 26 M-PRIDE MPU45YNRR * 35.6 101 101 107 1.0 26 M-PRIDE MPU45YNRR * 34.0 96 10/8 1.0 32 MERSCHMAN PHORIXI ITRR * 33.8 96 10/8 1.0 32 MERSCHMAN WASHINGTON VITRR * 33.9 50.6 42.2 96 99 10/2 1.0 27 MIDLAND 839ORR * 34.5 98 10/2 1.0 27 MIDLAND 839ORR * 34.5 98 10/2 1.0 37 MIDLAND 834RR * 33.7 95 10/3 1.0 33 MIDLAND 841IBRR * 34.1 97 10/3 1.0 29 MIDLAND 841IRR * 34.1 97 10/3 1.0 29 MIDLAND 841IRR * 34.1 97 10/3 1.0 29 MIDLAND MASHINGTON VITRR * 33.5 111 10/1 1.0 26 MIDLAND MASHINGTON SASORR * 33.7 95 10/3 1.0 29 MIDLAND MASHINGTON SASORR * 33.7 95 10/3 1.0 29 MIDLAND MASHINGTON MASHINGTO	LEWIS	3999RR *	38.2			108		10/4	1.0	29
M-PRIDE MPU457NRR * 35.6 101 107 1.0 26 M-PRIDE MPU457NRR * 34.0 96 107 1.0 26 MERSCHHAN PHORNIX ITRR * 33.8 96 107 1.0 28 MERSCHHAN MASINGTON VITRR * 33.9 50.6 42.2 96 99 99 107 10.0 28 MIDLAND 8382RR * 39.3 52.9 46.1 111 103 107 1.0 28 MIDLAND 8394RR * 33.7 98 107 1.0 28 MIDLAND 8394RR * 33.7 95 107 1.0 31 MIDLAND 8411RR * 34.1 95 107 1.0 31 MIDLAND 8411RR * 34.2 95 107 1.0 32 MIDLAND 8411RR * 34.2 95 107 1.0 30 MIDLAND XA370RR * 33.7 95 107 1.0 30 MIDLAND XA370RR * 34.2 95 107 1.0 30 MIDLAND XA370RR * 36.8 95 97 107 1.0 30 MIDLAND XA370RR * 32.2 104 107 1.0 26 MIDLAND XA370RR * 32.2 104 107 1.0 26 MIDLAND XA370RR * 32.2 104 107 1.0 26 MIDLAND XA370RR * 32.2 104 107 1.0 27 MIDLAND XA370RR * 28.5 104 107 1.0 27 MIDLAND XA370RR * 28.5 104 107 1.0 28 MIDLAND XA370RR * 38.6 104 107 1.0 28 MIDLAND XA370RR * 38.5 104 107 1.0 28 MIDLAND XA370RR * 38.5 104 107 1.0 28 MIDLAND XA370RR * 38	LEWIS	4392RR *	41.1			116		10/6	1.0	31
MERSCHMAN PROSITY ITRR * 34.0 96 10/8 1.0 32 MERSCHMAN MASHINGTON VITRR * 33.9 50.6 42.2 96 99 10/2 1.0 27 MIDLAND 832RR * 39.3 52.9 46.1 111 103 10/2 1.0 27 MIDLAND 839ORR * 34.5 98 10/2 1.0 33 MIDLAND 839ORR * 34.5 97 95 10/2 1.0 33 MIDLAND 841IERR * 34.1 97 95 10/3 1.0 29 MIDLAND 841IERR * 34.1 97 95 10/3 1.0 29 MIDLAND 841IERR * 34.1 97 95 10/3 1.0 29 MIDLAND 841IERR * 34.1 97 97 10/3 1.0 29 MIDLAND 841IERR * 34.2 97 95 10/3 1.0 29 MIDLAND 843ORR (XA38ORR) * 39.3 111 10/1 1.0 26 MIDLAND XA37ORR * 34.2 97 95 10/4 1.0 26 MIDLAND XA37ORR * 34.2 97 95 10/4 1.0 26 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 97 10/4 1.0 30 MIDLAND XA42IER * 34.2 97 97 97 10/4 1.0 30 MIDLAND XA42IER * 3590RR * 35.4 100 10/7 1.0 30 MIDLAND XA42IER * 3590RR * 35.4 100 10/7 1.0 30 MIDLAND XA42IER * 3590RR * 35.4 10/2 1.0 30 MIDLAND XA42IER * 3590RR * 35.4 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.4 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.4 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.4 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.4 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.4 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.4 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.8 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.8 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.8 10/2 1.0 30 MIDLAND XA42IER * 350RR * 35.8 10	M-PRIDE	MPU398NRR *	31.2			88		10/4	1.0	27
MERSCHMAN PHORNIX ITER * 33.8 96 10/4 1.0 28 MIDLAND 838ZRF * 39.3 52.9 46.1 111 103 10/2 1.0 28 MIDLAND 839GR * 34.5 98 10/2 1.0 28 MIDLAND 839GR * 34.5 98 10/2 1.0 28 MIDLAND 8394RF * 33.7 95 10/1 1.0 31 MIDLAND 841IRF * 34.1 97 10/3 1.0 28 MIDLAND 841IRF * 34.1 97 10/3 1.0 30 MIDLAND 841IRF * 34.2 111 10/5 1.0 30 MIDLAND XA370RF * 34.2 95 978 10/4 1.0 30 MIDLAND XA370RF * 34.2 95 978 10/4 1.0 30 MIDLAND XA370RF * 34.2 95 978 10/4 1.0 30 MIDLAND XA370RF * 34.2 95 978 10/4 1.0 30 MIDLAND XA370RF * 34.2 95 978 10/4 1.0 26 MIDLAND XA370RF * 36.8 104 10/4 1.0 26 MIDLAND XA370RF * 36.8 104 10/4 1.0 26 MIDLAND XA370RF * 36.8 104 10/4 1.0 27 MIDLAND XA370RF * 23.0 65 97 10/2 1.0 26 MIDLAND XA370RF * 23.0 65 97 10/2 1.0 26 MIDLAND XA370RF * 36.8 100 10/2 1.0 26 MIDLAND XA370RF * 36.	M-PRIDE	MPU437NRR *	35.6			101		10/7	1.0	26
MERSCHANN MASHINGTON VITER * 33,9 \$ 50.6	M-PRIDE	MPU457NRR *	34.0			96		10/8	1.0	32
MIDLAND 8382RR* 394R* 31.5 98 10/2 1.0 33 MIDLAND 8394RR* 33.7 95 10/1 1.0 33 MIDLAND 8411RR* 31.7 97 10/3 1.0 29 MIDLAND 8411RR* 31.4 52.0 42.7 95 102 10/5 1.0 29 MIDLAND 8411RR* 31.4 52.0 42.7 95 102 10/5 1.0 29 MIDLAND 8411RR* 31.4 52.0 42.7 95 102 10/5 1.0 20 MIDLAND 8411RR* 31.4 52.0 42.7 95 102 10/5 1.0 20 MIDLAND MAZURR* 31.7 97 10/1 1.0 26 MIDLAND MAZURR* 31.7 97 10/1 1.0 26 MIDLAND MAZURR* 31.7 97 10/4 1.0 26 MIDLAND MAZURR* 31.7 97 10/4 1.0 26 MIDLAND MAZURR* 31.7 97 10/4 1.0 26 MIDLAND MAZURR* 32.0 120 10/4 1.0 30 NC* MK X993GRR* 28.5 65 10/7 1.0 30 NK X993GRR* 28.5 65 10/7 1.0 30 NK X993GRR* 28.5 65 9/17 1.0 25 NK X993GRR* 28.5 65 9/17 1.0 25 NK X993GRR* 28.5 81 9/25 1.0 24 PRAIRIE BRAND PB-3515RR* 32.2 81 9/25 1.0 26 PRAIRIE BRAND PB-377GRR* 36.0 102 9/28 1.0 31 PRAIRIE BRAND PB-383GRR* 31.4 100 10/3 1.0 27 PRAIRIE BRAND PB-410GRR* 41.9 119 10/4 1.0 27 PRAIRIE BRAND PB-410GRR* 37.0 10 10 9/28 1.0 30 RENZE R350GR* 37.0 84 10 10/3 1.0 25 STINE 350GR* 37.0 84 10 10/3 1.0 25 STINE 350GR* 37.0 10 10 9/28 1.0 30 RENZE R350GR* 37.0 10 9/27 1.0 25 STINE 350GR* 37.0 10 9/27 1.0 25 STINE 350GR* 37.0 10 9/27 1.0 26 RENZE R350GR* 37.0 10 9/27 1.0 20 RENZE R350GR* 37.0 10 9/27 1.0 20 RENZE R350GR* 37.0 10 9/27 1.0 20 RENZE R350GR* 37.0 10	MERSCHMAN	PHOENIX IIRR *	33.8			96		10/4	1.0	28
MIDLAND 8394RR* 33.7 98 10/2 1.0 33 MIDLAND 8411BRR* 34.1 97 10/3 1.0 33 MIDLAND 8411BRR* 34.1 97 10/3 1.0 23 MIDLAND 8411BRR* 33.4 52.0 42.7 95 102 10/5 1.0 30 MIDLAND MIDLAND MAYORR* 33.3, 4 52.0 42.7 95 102 10/5 1.0 30 MIDLAND MIDLAND MAYORR* 33.4 52.0 42.7 95 102 10/5 1.0 30 MIDLAND MAYORR* 33.7 97.0 10/1 1.0 26 MIDLAND MAYORR* 34.2 97.0 11 10/4 1.0 30 MC* 3395RR* 36.8 104 10/4 1.0 30 MC* 3395RR* 36.8 104 10/4 1.0 30 MC* MC* 3395RR* 32.0 65 9/12 1.0 26 MK MS930GRR* 23.0 65 9/17 1.0 25 MK MS930GRR* 23.0 100 10/7 1.0 25 MK MS930GRR* 23.0 100 10/7 1.0 25 MK MS930GRR* 35.4 100 10/2 1.0 26 MAYORRAND MSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	MERSCHMAN	WASHINGTON VIIRR *	33.9	50.6	42.2	96	99	10/2	1.0	27
MIDLAND ## S194RR* ## 33.7 95 10/1 1.0 29 ## MIDLAND ## S411RR* ## 33.4 52.0 42.7 95 102 10/5 1.0 30 ## MIDLAND ## S410RR (XASBORR)* ## 33.3 111 10/1 1.0 26 ## MIDLAND ## XA370RR* ## 33.7 155 9/28 1.0 26 ## MIDLAND ## XA370RR* ## 33.7 155 9/28 1.0 26 ## MIDLAND ## XA370RR* ## 33.7 10/3 1.0 26 ## MIDLAND ## XA370RR* ## 33.7 111 10/1 1.0 26 ## MIDLAND ## XA370RR* ## 33.7 10/2 1.0 26 ## MIDLAND ## XA370RR* ## 33.7 10/2 10/4 1.0 26 ## XA370RR* ## 34.2 120 10/7 1.0 30 ## WK ## X9930RR* ## 23.0 65 9/17 1.0 30 ## X9930RR* ## 28.5 65 9/17 1.0 35 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 28.5 65 9/17 1.0 25 ## X8 X9930RR* ## 36.0 102 9/28 1.0 27 ## X8 X9930RR* ## 36.0 102 9/28 1.0 27 ## X8 X9930RR* ## 37.0 105 9/28 1.0 27 ## X8 X9930RR* ## 37.0 105 9/28 1.0 27 ## X8 X9930RR* ## 37.0 105 9/28 1.0 27 ## X8 X9930RR* ## 37.0 105 9/28 1.0 27 ## X8 X9930RR* ## 37.0 105 9/28 1.0 20 ## X8 X9930RR* ## 37.0 105 9/28 1.0 20 ## X8 X9930RR* ## 37.0 105 9/27 1.0 26 ## X8 X9930RR* ## 37.0 105 9/28 1.0 20 ## X8 X9930RR* ## 37.0 105 9/28 1.0 20 ## X9	MIDLAND	8382RR *	39.3	52.9	46.1	111	103	10/2	1.0	28
MIDLAND ## 411ER * 34.1 97 10/3 1.0 29 ## MIDLAND ## 411ER * 33.4 \$2.0 \$4.7 95 10.0 10/5 1.0 30 ## MIDLAND ## 3A300R (XA380R) * 39.3 111 10/1 1.0 26 ## MIDLAND XA370R* 34.3 3.7 95 97.2 1.0 4 1.0 26 ## MIDLAND XA421ER * 34.2 97 10/4 1.0 30 ** NC+ 3A99R* * 36.8 120 10/4 1.0 30 ** NC+ 3A99R* * 23.0 65 97.7 1.0 4 1.0 30 ** NK X 9930ER * 23.0 65 97.7 1.0 25 ** NK X 9930ER * 36.0 81 97.7 1.0 25 ** NK X 9930ER * 36.0 91 10/2 1.0 25 ** PRAIRIE BRAND PB-3750ER * 32.2 91 10/2 1.0 26 ** PRAIRIE BRAND PB-3770ER * 36.0 102 10/3 1.0 27 ** PRAIRIE BRAND PB-3730ER * 35.4 110 10/3 1.0 27 ** PRAIRIE BRAND PB-3730ER * 35.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND PB-3830ER * 37.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND PB-3830ER * 37.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND PB-3830ER * 37.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND PB-3830ER * 37.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND PB-3830ER * 37.0 10.0 10/3 1.0 27 ** PRENZE ## RENZE ## R350ER * 37.0 10.0 10/3 1.0 27 ** PRENZE ## R350ER * 37.0 10.0 10/3 1.0 27 ** PRENZE ## R350ER * 37.0 10.0 10/3 1.0 27 ** PRENZE ## R350ER * 37.0 10.0 10/3 1.0 27 ** PRENZE ## R350ER * 37.0 10.0 10/3 1.0 27 ** PRENZE ## R350ER * 37.0 10.0 10/3 1.0 27 ** PRENZE ## R350ER * 37.0 10.0 10/3 1.0 27 ** PRENZE ## R350ER * 37.0 10.0 10/3 1.0 27 ** PRENZE ## R350ER * 37.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND ## R41ER ** 34.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND ## R41ER ** 34.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND ## R41ER ** 34.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND ## R41ER ** 34.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND ## R41ER ** 34.0 10.0 10/3 1.0 27 ** PRAIRIE BRAND ## R41ER ** 34.0 10.0 1	MIDLAND	8390RR *	34.5			98		10/2	1.0	33
MIDLAND MIDLAND SA380RR (XA380RR) * 39.3	MIDLAND	8394RR *	33.7			95		10/1	1.0	31
MIDLAND MA370RR * 33.7 95 9/28 1.0 26 MIDLAND XA421RR * 34.2 95 9/28 1.0 26 MIDLAND XA421RR * 36.8 104 10/4 1.0 30 NC+ 3A99RR * 36.8 120 10/4 1.0 30 NC+ 4A29RR * 42.2 120 165 9/17 1.0 30 NK X9930RR * 23.0 65 9/17 1.0 30 NK X9930RR * 36.0 65 9/17 1.0 30 NK X9930RR * 36.0 65 9/17 1.0 25 NK X9930RR * 36.0 81 10/2 1.0 25 PRAIRIE BRAND PB-3515RR * 32.2 91 10/2 1.0 26 PRAIRIE BRAND PB-3770RR * 36.0 100 10/3 1.0 27 PRAIRIE BRAND PB-3930RR * 37.0 100 10/3 1.0 27 PRENZE EX3101R EXP * 29.6 107 10/3 1.0 27 RENZE R3300R * 37.0 107 9/28 1.0 31 RENZE R3300R * 37.0 107 9/28 1.0 32 RENZE R3300R * 37.0 107 9/28 1.0 30 RENZE R3390RCn * 33.2 94 10/1 1.0 25 STINE 3293-4 (3294) * 33.5 55.9 44.7 95 109 9/24 1.0 27 STINE 3503-4 * 37.0 107 9/28 1.0 30 RENZE R3410R 355RR * 34.1 107 9/27 1.0 25 STINE 3700-4 * 39.4 107 9/27 1.0 25 STINE 3700-4 * 39.4 107 9/27 1.0 25 TAYLOR 415RR * 34.4 98 10/2 1.0 30 TAYLOR 355RR * 34.1 98 10/2 1.0 30 TAYLOR 415RR * 34.4 98 10/2 1.0 30 TAYLOR 415RR * 34.4 98 10/2 1.0 30 TAYLOR 415RR * 34.4 99 10/2 1.0 30 TAYLOR 415RR * 34.4 98 10/2 1.0 30 TAYLOR 415RR * 34.4 98 10/2 1.0 30 TAYLOR 415RR * 34.4 99 9/27 1.0 25 TERRA TS36RR * 34.4 99 10/2 1.0 30 TAYLOR 415RR * 3536RR * 34.4 99 10/2 1.0 30 TAYLOR 415RR * 3536RR * 34.4 99 9/27 1.0 25 TERRA TS36RR * 34.4 99 10/2 1.0 30 TAYL	MIDLAND	8411BRR *	34.1			97		10/3	1.0	29
MIDLAND XA370R * 33.7 95 9728 1.0 26 MIDLAND XA421RR * 34.2 97 10/4 1.0 30 NC+ 3A99RR * 36.8 104 10/4 1.0 30 NC+ 4A29RR * 42.2 104 10/4 1.0 30 NK X9930R * 23.0 65 9/17 1.0 25 NK X9930RR * 28.5 65 9/17 1.0 25 NK X9934RR * 28.5 81 9/25 1.0 24 PRAIRIE BRAND PB-3515RR * 36.0 102 9/28 1.0 31 PRAIRIE BRAND PB-3770RR * 36.0 102 9/28 1.0 31 PRAIRIE BRAND PB-370RR * 41.9 10/2 9/28 1.0 31 PRAIRIE BRAND PB-4100RR * 41.9 119 10/4 1.0 27 PRAIRIE BRAND PB-4300R * 37.0 105 9/25 1.0 29 RENZE R3500R * 37.0 105 9/25 1.0 29 RENZE R3500R * 37.0 107 9/28 1.0 30 RENZE R3500R * 33.2 107 9/28 1.0 30 RENZE R3890Rn * 33.2 105 9/25 1.0 29 RENZE R3890Rn * 33.5 55.9 44.7 95 109 9/24 1.0 25 STINE 3503-4 * 37.0 105 9/27 1.0 25 STINE 3503-4 * 39.4 105 9/27 1.0 26 TAYLOR 355RR * 34.1 97 10/2 1.0 26 TAYLOR 355RR * 34.1 97 10/2 1.0 26 TAYLOR TAYLOR 415RR * 34.4 97 10/2 1.0 26 TERRA TS360RR * 34.1 97 10/2 1.0 26 TERRA TS360RR * 34.4 97 10/2 1.0 26 TERRA TS360RR * 34.4 97 10/2 1.0 26 TERRA TS360RR * 34.4 97 10/2 1.0 26 TERRA TS360RR * 34.7 97 10/2 1.0 26 TERRA TS360RR * 34.7	MIDLAND	8411RR *	33.4	52.0	42.7	95	102	10/5	1.0	30
MIDLAND XA370R * 33.7 95 9728 1.0 26 MIDLAND XA421RR * 34.2 97 10/4 1.0 30 NC+ 3A99RR * 36.8 104 10/4 1.0 30 NC+ 4A29RR * 42.2 104 10/4 1.0 30 NK X9930R * 23.0 65 9/17 1.0 25 NK X9930RR * 28.5 65 9/17 1.0 25 NK X9934RR * 28.5 81 9/25 1.0 24 PRAIRIE BRAND PB-3515RR * 36.0 102 9/28 1.0 31 PRAIRIE BRAND PB-3770RR * 36.0 102 9/28 1.0 31 PRAIRIE BRAND PB-370RR * 41.9 10/2 9/28 1.0 31 PRAIRIE BRAND PB-4100RR * 41.9 119 10/4 1.0 27 PRAIRIE BRAND PB-4300R * 37.0 105 9/25 1.0 29 RENZE R3500R * 37.0 105 9/25 1.0 29 RENZE R3500R * 37.0 107 9/28 1.0 30 RENZE R3500R * 33.2 107 9/28 1.0 30 RENZE R3890Rn * 33.2 105 9/25 1.0 29 RENZE R3890Rn * 33.5 55.9 44.7 95 109 9/24 1.0 25 STINE 3503-4 * 37.0 105 9/27 1.0 25 STINE 3503-4 * 39.4 105 9/27 1.0 26 TAYLOR 355RR * 34.1 97 10/2 1.0 26 TAYLOR 355RR * 34.1 97 10/2 1.0 26 TAYLOR TAYLOR 415RR * 34.4 97 10/2 1.0 26 TERRA TS360RR * 34.1 97 10/2 1.0 26 TERRA TS360RR * 34.4 97 10/2 1.0 26 TERRA TS360RR * 34.4 97 10/2 1.0 26 TERRA TS360RR * 34.4 97 10/2 1.0 26 TERRA TS360RR * 34.7 97 10/2 1.0 26 TERRA TS360RR * 34.7	MIDLAND	9A380RR (XA380RR) *	39.3			111		10/1	1.0	26
NC+ 4A29RR * 36.8 104 1074 1.0 27 NC+ 4A29RR * 42.2 120 1077 1.0 30 NK X9930RR * 23.0 65 9717 1.0 25 NK X9930RR * 28.5 65 9717 1.0 25 NK X9930RR * 32.2 65 9717 1.0 25 NK X9930RR * 32.2 91 1072 1.0 26 PRAIRIE BRAND PB-3515RR * 32.2 91 1072 1.0 26 PRAIRIE BRAND PB-3770RR * 36.0 102 9728 1.0 31 PRAIRIE BRAND PB-370RR * 35.4 100 1073 1.0 27 PRAIRIE BRAND PB-410RR * 41.9 119 1074 1.0 27 PRAIRIE BRAND PB-410RR * 37.0 115 107 9728 1.0 27 PRAIRIE BRAND PB-410RR * 37.0 105 9725 1.0 28 RENZE R330R * 37.6 107 9728 1.0 32 RENZE R350R * 37.6 107 9728 1.0 32 STINE 3503-4 (3294) * 33.5 55.9 44.7 95 109 9724 1.0 27 STINE 3503-4 (3294) * 33.5 55.9 44.7 95 109 9724 1.0 27 STINE 3503-4 * 37.0 112 977 1.0 28 STINE 3700-4 * 39.4 112 977 1.0 28 TAYLOR 355RR * 34.1 97 107 1.0 32 TAYLOR 350RR * 34.1 97 1072 1.0 28 TAYLOR 350RR * 34.4 97 1072 1.0 28 TAYLOR 350RR * 34.4 97 1072 1.0 27 TERRA T336GR * 34.4 97 9727 1.0 22 U.S. SEEDS US S409RR * 36.2 102 1076 1.0 32 U.S. SEEDS US S409RR * 35.8 101 972 1.0 29 U.S. SEEDS US S409RR * 36.0 91 116 1071 1.0 22 U.S. SEEDS US S409RR * 36.0 91 116 1071 1.0 22 U.S. SEEDS US S409RR * 35.8 91 116 1076 1.0 29 U.S. SEEDS US S409RR * 36.0 91 112 972 1.0 28 USLLCROSS R236R * 35.3 5.4 44.3 100 104 1071 1.0 28 WILLCROSS R236R * 35.3 55.4 44.3 100 104 1071 1.0 28 WILLCROSS R238R * 35.3 55.4 44.3 100 104 1071 1.0 28 WILLCROSS R238R * 35.3 55.4 44.9 99 107 1071 1.0 10 28 WILLCROSS R238R * 35.8 91 102 1073 1.0 28 WILLCROSS R236R * 35.3 55.4 44.9 99 107 1071 1071 1.0 28	MIDLAND		33.7			95		9/28	1.0	26
NC+	MIDLAND	XA421RR *	34.2			97		10/4	1.0	30
NC+						104				
NK X9934RR * 23.0 65 9/17 1.0 25 NK X9934RR * 28.5 81 9/25 1.0 24 PRAIRIE BRAND PB-3515RR * 32.2 81 9/25 1.0 26 PRAIRIE BRAND PB-3770RR * 36.0 102 9/28 1.0 31 PRAIRIE BRAND PB-3793RR * 35.4 100 10/3 1.0 27 PRAIRIE BRAND PB-4100RR * 41.9 119 10/4 1.0 27 PRAIRIE BRAND PB-4100RR * 37.0 18 9/28 1.0 32 RENZE R3300R * 37.0 105 9/28 1.0 29 RENZE R3300R * 37.0 105 9/28 1.0 32 RENZE R350R * 37.0 105 9/28 1.0 32 STINE 3293-4 (3294) * 33.5 55.9 44.7 95 109 9/24 1.0 32 STINE 3503-4 * 37.0 105 9/27 1.0 25 STINE 3700-4 * 39.4 112 9/27 1.0 25 STINE 3700-4 * 39.4 112 9/27 1.0 25 STINE 3700-4 * 34.7 98 10/2 1.0 30 TAYLOR 390RR * 34.7 98 10/2 1.0 30 TAYLOR 390RR * 34.9 98 10/2 1.0 30 TAYLOR 415RR * 34.9 98 10/2 1.0 30 TAYLOR 415RR * 34.9 98 10/2 1.0 30 TAYLOR 15387RR * 34.4 97 9/27 1.0 22 TERRA TS3680RR * 34.4 97 9/27 1.0 27 TERRA TS367R * 36.2 101 9/27 1.0 26 TRIUMPH TR3939RR * 34.8 50.5 42.6 99 99 10/2 1.0 32 U.S. SEEDS US S309PR * 32.4 101 9/27 1.0 26 TRIUMPH TR3939RR * 34.8 50.5 42.6 99 99 10/2 1.0 29 U.S. SEEDS US S309PR * 32.4 102 10/2 1.0 32 U.S. SEEDS US S309PR * 32.4 101 9/27 1.0 29 U.S. SEEDS US S409PR * 35.8 101 9/27 1.0 29 U.S. SEEDS US S409PR * 32.4 102 10/2 1.0 32 U.S. SEEDS US S409PR * 35.8 101 9/27 1.0 29 U.S. SEEDS US S409PR * 32.4 102 10/2 1.0 32 U.S. SEEDS US S409PR * 35.8 101 9/27 1.0 29 U.S. SEEDS US S409PR * 35.8 101 9/27 1.0 29 U.S. SEEDS US S409PR * 32.4 102 10/2 1.0 32 WILLCROSS RR338 * 30.1 54.0 42.1 85 105 9/24 1.0 32 WILLCROSS RR338 * 30.1 54.0 42.1 85 105 9/24 1.0 32 WILLCROSS RR338 * 30.1 54.0 42.1 85 105 9/24 1.0 32 WILLCROSS RR338 * 30.1 54.0 42.1 85 105 9/24 1.0 32 WILLCROSS RR338 * 30.1 54.0 44.3 100 10/4 10/1 1.0 28 WILLCROSS RR3								10/7		
NK										
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U.S. SEEDS US \$4409RR * 36.0 102 10/6 1.0 29 U.S. SEEDS US \$4809RR * 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 29 WILLCROSS RR2368 * 35.3 53.4 44.3 100 104 10/1 1.0 28 WILLCROSS RR2368 * 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 9/30 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 9/24 1.0 23 TEST AVERAGES										
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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 27 WILLCROSS RR2397 * 36.8 48.2 42.5 104 94 10/5 1.0 25 KSOY KS4694 35.0 54.8 44.9 99 107 10/11 1.0 23 KSOY MACO										
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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 9/24 1.0 23 TEST AVERAGES 35.3 51.2 102 9/24 1.0 23						85				
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 TA3010 (A94-774021) 36.1 102 9/24 1.0 23 TEST AVERAGES										
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 TA3010 (A94-774021) 36.1 102 9/24 1.0 23 TEST AVERAGES	WILLCROSS	RR2357 *	30.0	56.7		85	111	9/30	1.0	28
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 TA3010 (A94-774021) 36.1 102 9/24 1.0 23 TEST AVERAGES										
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 TA3010 (A94-774021) 36.1 102 9/24 1.0 23 TEST AVERAGES 35.3 51.2	WILLCROSS							9/30		
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 TA3010 (A94-774021) 36.1 102 9/24 1.0 23 TEST AVERAGES 35.3 51.2		RR2397 *	36.8	48.2	42.5	104	94	10/5	1.0	30
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	WILSON	E9370RR *	39.8			113		10/2	1.0	25
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	KSOY	KS4694	35.0	54.8	44.9	99	107	10/11	1.0	26
TEST AVERAGES 1A3010 (A94-774021) 36.1 102 9/24 1.0 23 TEST AVERAGES 51.2	KSOY	MACON	32.3	53.7	43.0	92	105	10/4	1.0	23
TEST AVERAGES 35.3 51.2		HS93-4118	35.9			102		10/3	1.0	26
TEST AVERAGES 35.3 51.2		IA3010 (A94-774021)	36.1			102		9/24	1.0	23
LSD (.10) 4.7 4.1	TEST AVERAGES		35.3	51.2						
	LSD (.10)		4.7	4.1						

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

TABLE 15. SHAWNEE	COUNTY ROUNDUP-RESISTAL	NT SOYBE		RMANCE (000===	~
			YIELD			AS % OF	MAT I	ODGIN	
BRAND	ENTRY	1999	(Bu/A) 1998	2-Yr	1999	1998		SCORE 1999-	IN
BRAND	ENIKI	1333	1336	2-11	1333	1990		1333-	
		MAT	URITY GR	OUPS 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 ATLAS	AG4301 * 5441NRR *	64.0			100		10/12	2.3	49 52
DEKALB	CX392RR *	68.7 56.2			107 87		10/10 10/1	2.7 2.3	48
DEKALB	CX444cRR *	63.7			99		10/1	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 MIDLAND	9A340NRR * 9A360RR *	73.1 67.4			114 105		9/30 10/5	1.3 2.0	41 46
MIDLAND	9A380RR (XA380RR) *	65.4			103		10/3	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		46
STINE	4001-4 *	69.6			108		10/5	2.0	43
TAYLOR	385RR * 390RR *	57.8			90		10/2	2.0	47
TAYLOR	394RR *	59.4 71.7			92 112		10/3	1.7	43 46
TAYLOR TERRA	TS3680RR *	63.2			98		10/3 9/29	2.7 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.

REALD REVIEW 1999 1998 2-YE 1999 1998	TABLE 16. FRANKLI	IN COUNTY ROUNDUP-RESIST	ANT SOYB		ORMANCE					
BAND BATKY 1998 1998 2-yr 1999 1998 1999				YIELD						
MATURITY GROUPS II-IV ADV. GENETICS AG3944MRR * 41.5 105 10.6 1.0 28 ADV. GENETICS AG3944MRR * 38.5 98 10.5 1.0 31 ADV. GENETICS AG3974RR * 38.5 98 10.5 1.0 31 ADV. GENETICS AG4437 RR * 38.8 9.6 39.2 99 30 10.8 1.0 33 ADV. GENETICS AG4437 RR * 38.8 9.6 39.2 99 30 10.8 1.0 33 ADV. GENETICS AG4437 RR * 38.8 9.6 39.2 99 30 10.8 1.0 33 ASGROW AG4301 * 41.0 10.6 10.6 10.74 1.0 35 ASGROW AG4301 * 41.0 10.6 10.6 10.78 1.0 32 ASGROW AG4301 * 41.0 10.6 10.78 1.0 22 ATILAS 5441MRR * 43.1 10.9 10.78 1.0 22 ATILAS 5441MRR * 43.1 10.9 10.78 1.0 22 DERALLE CX392RR * 40.8 10.4 10.75 1.0 22 DERALLE CX392RR * 40.8 10.7 10.7 1.0 1.0 22 DERALLE CX392RR * 33.7 86 10.7 1.0 1.0 27 DERALGE CD4-3370MR * 33.7 86 10.7 1.0 1.0 27 DERALGE CD4-3370MR * 33.7 86 10.7 1.0 1.0 27 DYNA-GRO DG-3370MR * 33.7 86 10.7 1.0 1.0 27 DYNA-GRO DG-342MRR * 31.4 10.7 1.0 1.0 27 DYNA-GRO DG-3442MR * 40.5 10.7 1.0 1.0 27 DYNA-GRO DG-3442MR * 40.5 10.0 1.0 1.0 27 DYNA-GRO DG-346MNR * 44.5 110 1.0 1.0 1.0 27 DYNA-GRO DG-346MNR * 44.5 110 1.0 1.0 1.0 1.0 27 GARST D399RR/N * 39.2 10.0 1.0 1.0 1.0 1.0 27 GARST D399RR/N * 39.2 10.0 1.0 1.0 1.0 1.0 27 GARST D399RR/N * 39.2 10.0 1.0 1.0 1.0 1.0 1.0 27 GARST D437MRR * 34.4 110 1.0 1.0 1.0 1.0 1.0 27 GARST D437MRR * 33.4 10.4 1.0 1.0 1.0 1.0 1.0 1.0 27 GARST D437MR * 39.2 10.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	DDAND	ENITED	1000							
ADV. GENETICS AG394NRR* 38.5 98 10/5 1.0 28 ADV. GENETICS AG394NRR* 38.5 98 10/5 1.0 31 ADV. GENETICS AG394NRR* 38.5 39.6 39.2 99 90 10/8 1.0 33 ADV. GENETICS AG5437 RR* 39.7 101 10/14 1.0 35 AGGKOW AG4701* 36.0 91 10/14 1.0 35 AGGKOW AG4701* 41.6 106 10/8 1.0 23 AGGKOW AG4702* 41.3 105 10/6 10/8 1.0 22 AGGKOW AG4702* 41.3 105 10/8 1.0 22 AGGKOW AG4702* 41.3 109 10/8 1.0 22 AGGKOW AG4702* 41.3 10/9 10/8 1.0 22 AGGKOW AG4702* 41.2 10/9 10/8 1.0 22 AGGKOW AG4702* 41.2 10/9 10/8 1.0 22 AGGKOW AGA204RR* 40.5 10/9 10/8 1.0 22 AGGKOW AGA204RR* 40.5 10/9 10/6 1.0 25 AGGKOW AGA204RR* 40.5 10/6 1.0 25 AGGKOW	BRAND	ENTRY	1999	1998	Z-11	1999	1996		1999-	
ADV. GENETICS AG394NRR* 38.5 98 10/5 1.0 28 ADV. GENETICS AG394NRR* 38.5 98 10/5 1.0 31 ADV. GENETICS AG394NRR* 38.5 39.6 39.2 99 90 10/8 1.0 33 ADV. GENETICS AG5437 RR* 39.7 101 10/14 1.0 35 AGGKOW AG4701* 36.0 91 10/14 1.0 35 AGGKOW AG4701* 41.6 106 10/8 1.0 23 AGGKOW AG4702* 41.3 105 10/6 10/8 1.0 22 AGGKOW AG4702* 41.3 105 10/8 1.0 22 AGGKOW AG4702* 41.3 109 10/8 1.0 22 AGGKOW AG4702* 41.3 10/9 10/8 1.0 22 AGGKOW AG4702* 41.2 10/9 10/8 1.0 22 AGGKOW AG4702* 41.2 10/9 10/8 1.0 22 AGGKOW AGA204RR* 40.5 10/9 10/8 1.0 22 AGGKOW AGA204RR* 40.5 10/9 10/6 1.0 25 AGGKOW AGA204RR* 40.5 10/6 1.0 25 AGGKOW			MAT	URITY GR	OUPS II-	IV				
ADV. GENETICS AG4437 RR * 38.8 39.6 39.2 99 90 10/8 1.0 33 ASGROW AG4070 * 36.0 101 10/14 1.0 35 ASGROW AG4701 * 36.0 106 10/8 1.0 27 ASGROW AG4702 * 41.3 105 10/8 1.0 27 ASGROW AG4702 * 41.3 105 10/8 1.0 27 ASGROW AG4702 * 41.3 109 10/8 1.0 27 ASGROW AG4702 * 41.3 109 10/8 1.0 29 ASGROW AG4702 * 41.3 10/9 10/6 1.0 29 ASGROW AG4702 * 41.3 10/9 10/6 1.0 29 ASGROW AG4702 * 41.3 10/9 10/6 1.0 29 ASGROW AG4702 * 41.3 10/9 10/9 1.0 27 ASGROW AG4702 * 41.3 10/9 10/9 1.0 27 ASGROW AG4702 * 41.3 10/9 10/9 1.0 27 ASGROW AG4702 * 41.4 45.0 10/4 10/6 1.0 27 ASGROW AG4702 * 41.4 45.0 10/9 10/9 1.0 27 ASGROW AG4702 * 41.4 45.0 10/9 10/9 1.0 27 ASGROW AG4702 * 41.4 45.0 11/0 10/9 1.0 27 ASGROW AG4702 * 41.4 45.0 11/0 10/9 1.0 27 ASGROW AG4702 * 41.4 45.0 10/9 10/9 1.0 27 ASGROW AG4702 * 41.4 45.0 10/9 10/9 1.0 27 ASGROW AG4702 * 41.4 45.0 10/9 10/9 1.0 27 ASGROW AGARD AG	ADV. GENETICS	AG3797 RR *		_				10/6	1.0	28
ADV. GENETICS AGS277 RR * 39.7 101 10/14 1.0 27 ASGROW AG4301 * 41.6 91 10/16 1.0 27 ASGROW AG4301 * 41.6 106 10/8 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 EKALB CX39ZRR * 40.8 104 10/5 1.0 29 EKALB CX39ZRR * 40.8 107 10/7 1.0 29 EKALB CX39ZRR * 37.5 35 10/8 1.0 29 EKALB CX444CRR * 37.5 35 10/8 1.0 29 EKALB CX444CRR * 37.5 107 10/7 1.0 27 ETTAL-GROD DC-337ZRRR * 33.7 86 10/1 1.0 27 ETTAL-GROD DC-337ZRRR * 33.7 86 10/1 1.0 27 ETTAL-GROD DC-340ZRRR * 33.7 107 10/7 1.0 22 ETTAL-GROD DC-340ZRRR * 33.7 107 10/7 1.0 22 ETTAL-GROD DC-344ZRRR * 37.2 107 10/7 1.0 22 ETTAL-GROD DC-344ZRRR * 37.2 10/3 10/7 1.0 22 ETTAL-GROD DC-344ZRRR * 41.5 113 10/9 1.0 20 ETTAL-GROD DC-344ZRRR * 42.4 113 10/9 1.0 20 ETTAL-GROD DC-344ZRRR * 43.4 110 10/9 1.0 20 ETTAL-GROD DC-344ZRRR * 41.5 113 10/9 1.0 20 ETTAL-GROD DC-344ZRRR * 41.5 110 10/9 1.0 20 ETTAL-GROD DC-344ZRRR * 41.0 10/4 10/6 1.0 20 ETTAL-GROD DC-344ZRRR * 38.2 100 10/5 1.0 28 ETTAL-GROD DC-344ZRRR * 38.5 10/4 10/6 1.0 20 ETTAL-GROD DC-344ZRRR * 38.5 10/4 10/6	ADV. GENETICS	AG3944NRR *	38.5			98		10/5	1.0	31
ASGROW AG4701 * 41.6 91 10/8 1.0 27 ASGROW AG4702 * 41.3 105 10/8 1.0 29 DERALB CX392RR * 40.8 104 10/5 1.0 27 DERALB CX392RR * 40.8 104 10/5 1.0 27 DYNA-GRO DG-3370RR * 42.2 107 10/5 1.0 27 DYNA-GRO DG-3370RR * 33.7 86 10/1 1.0 27 DYNA-GRO DG-3370RR * 38.4 50.0 44.2 98 113 10/5 1.0 27 DYNA-GRO DG-3394RR * 39.0 103 10/5 1.0 27 DYNA-GRO DG-3401MRR * 40.5 103 10/5 1.0 27 DYNA-GRO DG-3401MRR * 41.4 103 10/5 1.0 27 DYNA-GRO DG-342RRR * 41.4 113 110/7 1.0 27 DYNA-GRO DG-347RP/N * 41.4 45.5 43.4 105 103 10/8 1.0 30 DYNA-GRO GRAST DG-3442RRR * 39.2 100 10/5 1.0 25 GRAST DG-3442RRR * 39.2 100 10/5 1.0 27 GRAST DG-3442RRR * 41.4 45.5 43.4 105 103 10/8 1.0 32 GRAST DG-3442RRR * 39.9 104 10/6 1.0 25 DYNA-GRO DG-347RP/N * 41.4 45.5 43.4 105 103 10/8 1.0 32 GRAST DG-347RP/N * 39.9 104 10/6 1.0 25 DYNA-GRO DG-347RP/N * 39.9 104 10/6 1.0 25 DYNA-GRO DG-347RP/N * 38.3 94 10/7 1.0 27 GRAST HYPEST HYS430IRR * 38.9 104 10/6 1.0 25 DYNA-GRO DG-347RP/N * 31.0 10/6 1.0 25 DYNA-GRO DG-347RP/N * 38.3 104 10/6 1.0 25 DYNA-GRO DG-347RP/N * 38.3 104 10/6 1.0 25 DYNA-GRO DG-347RP/N * 39.9 10/6 10/6 1.0 25 DYNA-GRO DG-347RP/N * 39.9 10/6 10/6 1.0 25 DYNA-GRO	ADV. GENETICS	AG4437 RR *	38.8	39.6	39.2	99	90	10/8	1.0	33
ASGROW A04401 * 41.6 106 10/8 1.0 29 ATLAS 5441NRR * 41.1 109 10/8 1.0 29 ATLAS 5441NRR * 43.1 109 10/8 1.0 29 DERALB CX392RR * 40.8 104 10/7 1.0 29 DERALB CX444CRR * 37.5 95 10/8 1.0 29 DERALB CX444CRR * 37.5 95 10/8 1.0 29 DERALB CX444CRR * 37.5 95 10/8 1.0 27 DYNN-GRO DG-3372NRR * 33.7 96 10/1 1.0 27 DYNN-GRO DG-3372NRR * 33.7 96 10/1 1.0 27 DYNN-GRO DG-3394RR * 33.0 10 39 10/6 1.0 27 DYNN-GRO DG-3424RR * 37.2 45.5 41.4 94 103 10/8 1.0 30 DYNN-GRO DG-3444RRR * 44.5 110 110 10/9 1.0 30 DYNN-GRO DG-3468NRR * 44.5 10/4 1.0 10/1 1.0 28 DYNN-GRO DG-3468NRR * 44.5 10/4 1.0 10/1 1.0 28 DYNN-GRO DG-3468NRR * 44.5 10/4 1.0 10/1 1.0 28 DYNN-GRO DG-3468NRR * 41.0 10/4 1.0 10/1 1.0 29 DYNN-GRO DG-3468NRR * 41.0 10/4 1.0 10/1 1.0 30 DYNN-GRO DG-3468NRR * 41.0 10/4 1.0 10/1 1.0 30 DYNN-GRO DG-3468NRR * 39.2 100 10/4 1.0 30 DYNN-GRO DG-3468NRR * 39.2 10/4 1.0 10/1 1.0 30 DYNN-GRO DG-3468NRR * 39.2 10/4 1.0 10/1 1.0 29 DYNN-GRO DG-3468NRR * 39.0 10/4 1.0 10/1 1.0 26 DERALBE DGREEFER 40PRR * 39.2 10/4 1.0 10/1 1.0 26 DERALBE DGREEFER 40PRR * 39.2 10/4 1.0 10/1 1.0 26 DERALBE DGREEFER 40PRR * 38.3 10/4 1.0 10/1 1.0 26 DERALBE DGREEFER 40PRR * 38.5 97 10/8 1.0 23 DERALBE DGREEFER 40PRR * 38.0 97 10/8 1.0 23 DERALBE DGREEFER 40PRR * 38.0 97 10/8 1.0 23 DERALBE DGREEFER 40PRR * 38.0 97 10/8 1.0 23 DERALBE DGREEFER 40PRR * 38.0 97 10/8 1.0 28 DERALBE DGREEFER 40PRR * 38.0 97 10/8 1.0 28 DERALBE DGREEFER 40PRR * 38.0 97 10/8 1.0 28 DERALBE DGREEFER 40PRR * 38.0 97 10/8 1.0 28 DERALBE DGREEFER 40PRR * 38.0 97 10/8 1.0 28 DERALBE DGREEFER 50 50 50 50 50 50 50 50 50 50 50 50 50	ADV. GENETICS	AG5277 RR *	39.7			101		10/14	1.0	35
ABGENOM A04702 * 41.3 105 10/8 1.0 29 DERALB 541NRR * 40.8 104 10/5 1.0 29 DERALB CX392RR * 40.8 104 10/5 1.0 29 DERALB CX372RR * 40.8 104 10/5 1.0 27 DYNN-GRO DC-3370RR * 42.2 107 10/5 1.0 27 DYNN-GRO DC-3372RRR * 38.4 50.0 44.2 98 113 10/5 1.0 27 DYNN-GRO DC-3388RR * 38.4 50.0 44.2 98 113 10/5 1.0 27 DYNN-GRO DC-3401NRR * 40.5 103 10/5 1.0 25 DYNN-GRO DC-3401NRR * 41.4 103 10/7 1.0 27 DYNN-GRO DC-3424RR * 41.4 110 10/9 1.0 30 DYNN-GRO DC-34422RR * 41.4 110 10/9 1.0 30 DYNN-GRO DC-34422RR * 41.4 110 10/9 1.0 25 DYNN-GRO DC-34422RR * 41.5 10/4 10/6 1.0 25 DYNN-GRO DC-34422RR * 41.6 10/6 10/6 1.0 25 DYNN-GRO DC-34422RR * 41.5 10/4 10/6 1.0 25 DYNN-GRO DC-34422RR * 41.5 10/6 10/6 1.0 25 DYNN-GRO DC-34422RR * 41.6 10/6 10/6 1.0 25 DYNN-GRO DC-34422RR * 31.5 98 10/4 10/6 1.0 25 DYNN-GRO DC-34422RR * 31.5 98 10/4 10/6 1.0 25 DYNN-GRO DC-34422RR * 31.5 98 10/6 10/6 1.0 25 DYNN-GRO DC-34422RR * 31.5 98 10/6 10/6 1.0 25 DYN-GRO	ASGROW									
ATLAS DEKALB CX944** 40.8 104 10/8 1.0 29 DEKALB CX944** 73.5 104 10/5 1.0 29 DEKALB CX944** 37.5 107 10/8 1.0 27 DYNA-GRO DG-3370RR* 42.2 107 10/7 10/5 1.0 27 DYNA-GRO DG-3370RR* 33.7 86 10/1 1.0 27 DYNA-GRO DG-3370RR* 33.7 86 113 10/5 1.0 27 DYNA-GRO DG-3372RRR* 33.8 199 10/6 1.0 25 DYNA-GRO DG-3394RR* 39.0 199 10/6 1.0 25 DYNA-GRO DG-3424RR* 37.2 45.5 41.4 94 103 10/8 1.0 25 DYNA-GRO DG-3424RR* 37.2 45.5 41.4 94 103 10/8 1.0 30 DYNA-GRO DG-3424RR* 44.5 110 10/9 1.0 30 DYNA-GRO DG-3462NRR* 44.5 1113 10/9 1.0 30 DYNA-GRO DG-3462NRR* 44.5 1113 10/9 1.0 30 DYNA-GRO DG-3462NRR* 44.5 113 10/9 1.0 30 DYNA-GRO DG-3465NRR* 41.0 10/4 10/5 1.0 28 GARST D397RA'* 41.4 4.5 43.4 105 103 10/8 1.0 25 GARST D437RR/N* 41.4 4.5 43.4 105 103 10/8 1.0 25 GARST D437RR/N* 41.4 4.5 43.4 105 103 10/8 1.0 32 GARST D437RR/N* 41.4 4.5 43.4 105 103 10/8 1.0 32 GARST D437RR/N* 41.4 10/4 10/5 1.0 29 GARST HESENSER* 40.8 10/4 10/5 1.0 28 GROGERRETER 428R* 40.8 10/4 10/6 1.0 26 GROGERRETER 428R* 40.8 10/4 10/6 1.0 26 GROGERRETER 428R* 40.8 10/4 10/6 1.0 26 GROGERRETER 428R* 37.2 98 10/6 1.0 26 GROGERRETER 428R* 37.2 99 10/6 1.0 26 GROGERRETER 428R* 37.2 99 10/6 1.0 26 GROGERRETER 428R* 37.2 99 10/6 1.0 26 GROGERRETER 428R* 38.3 96 10/6 1.0 26 GROGERRETER 428R* 38.3 96 10/6 1.0 26 GROGERRETER 428R* 38.3 97 10/6 1.0 26 GROGERRETER 428R* 38.3 98 10/6 1.0 26 GROGERRETER 428R* 38.3 99 10/6 1.0 28 GROGERRETER 428R* 38.4 99 10/6 1.0										
DEKALIB CX392RR * 40.8 10.4 10.5 1.0 29 DEKALIB CX444CR * 37.5 95 10.7 1.0 29 DEKALIB CX444CR * 37.5 95 10.7 1.0 27 DYNA-GRO DG-3370RR * 42.2 10.7 10.7 1.0 27 DYNA-GRO DG-3370RR * 33.7 86 10.7 1.0 27 DYNA-GRO DG-3370RR * 33.7 86 10.7 1.0 27 DYNA-GRO DG-3384RR * 39.0 99 10.6 1.0 25 DYNA-GRO DG-3344RR * 39.0 10.3 10.5 1.0 28 DYNA-GRO DG-3442RR * 37.2 45.5 41.4 94 10.3 10.7 5 1.0 28 DYNA-GRO DG-3442RR * 37.2 45.5 41.4 94 10.3 10.7 5 1.0 28 DYNA-GRO DG-3442RR * 37.2 45.5 41.4 94 10.3 10.7 5 1.0 28 DYNA-GRO DG-3442RR * 43.4 11.0 10.7 9 1.0 27 DYNA-GRO DG-3442RR * 44.5 11.3 10.7 9 1.0 27 DYNA-GRO DG-3442RR * 44.5 11.3 10.7 9 1.0 27 GARST D395RY.N * 39.2 10.0 10.7 10.7 10. 29 GARST D395RY.N * 41.4 45.5 43.4 10.5 10.3 10.7 10.7 10. 28 HOGGEMEYER 407NR * 37.2 10.4 10.6 10.3 10.7 10. 28 HOGGEMEYER 407NR * 39.9 10.4 10.6 10.5 10. 28 HOGGEMEYER 428RR * 40.8 10.4 10.6 10. 30 HYTEST H54301RR * 39.9 10.1 10.7 10.7 10. 28 HOGGEMEYER H54800RR * 38.5 98 10.1 10.7 10. 30 HYTEST H54800RR * 38.5 98 10.1 10.7 10. 30 HYTEST H54800RR * 38.3 97 10.8 1.0 23 H-FRIDE MPU437NRR * 38.2 97 10.8 1.0 23 H-FRIDE MPU437NRR * 38.2 96 10.7 10.8 1.0 23 H-FRIDE MPU437NRR * 38.0 96 10.7 10.7 10. 26 HILLAND 8319KR * 43.3 43.7 43.5 11.0 99 10.7 10.7 10. 26 HILLAND 8411ER * 37.9 46.1 42.0 96 105 10.7 10. 28 HILLAND 8411ER * 37.9 46.1 42.0 96 105 10.7 10.7 10. 29 HILLAND 8412ER * 41.5 10.4 10.7 10.7 10. 20 HILLAND 8412ER * 41.5 10.7 10.7 10.7 10. 20 HILLAND XA42IRR * 37.8 4 99 10. 10.7 10.7 10. 20 HILLAND XA42IRR * 37.9 46.1 41.5 99 10. 10.7 10.7 10. 20 HILLAND XA42IRR * 37.9 46.1 41.5 99 10. 10.7 10.7 10. 20 HILLAND XA42IRR * 37.9 46.1 41.5 99 10. 10.7 10.7 10. 20 HILLAND XA42IRR * 37.9 46.1 41.5 99 10. 10.7 10.7 10. 20 HILLAND XA42IRR * 37.9 46.1 41.5 99 10. 10.7 10.7 10. 20 HILLAND XA42IRR * 37.9 46.1 41.0 41.0 20 HILLAND XA42IRR * 39.9 3.7 90 91 10.7 10.7 10.7 10. 2										
DEKALB CX4444GRR * 37.5										
DYNNA-GRO DG-3370RR* 42.2										
DYNNA-GRO DYNA-GRO DYNA-										
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DYNNA-GRO DYNA-GRO DG-3401MRR* 40.5 103 10/5 1.0 28 DYNA-GRO DG-3442MRR* 37.2 45.5 41.4 94 103 10/8 1.0 30 DYNA-GRO DG-3464MR* 43.4 110 10/9 1.0 30 DYNA-GRO DG-3464MR* 44.5 110 10/9 1.0 30 DYNA-GRO DG-3464MRR* 44.5 110 10/9 1.0 30 DYNA-GRO DG-3466MRR* 44.5 110 10/9 1.0 27 GRAET D39RE/N* 41.4 45.5 43.4 105 103 10/8 1.0 32 GRAET D437RE/N* 41.4 45.5 43.4 105 103 10/8 1.0 32 GRAET D437RE/N* 41.4 45.5 43.4 105 103 10/8 1.0 32 GRAET D437RE/N* 41.4 45.5 43.4 105 103 10/8 1.0 32 GRAET H0EGEMETER 407RR* 407RR* 40.8 104 10/6 1.0 28 H0EGEMETER 407RR* 38.7 94 10/6 1.0 28 H0EGEMETER 407RR* 38.5 98 10/1 1.0 30 HYTEST HT9430IRR* 38.3 97 10/8 1.0 30 HYTEST H79430IRR* 38.3 97 10/8 1.0 30 HYTEST H79430IRR* 38.1 97 10/8 1.0 28 HPEIDE MPU437NRR* 38.2 97 10/8 1.0 28 HDLAND 639ORR* 38.1 96 10/4 1.0 30 HDLAND 639ORR* 38.4 98 10/5 1.0 28 HDLAND 639ORR* 38.4 98 10/5 1.0 28 HDLAND 6340RR* 38.4 98 10/5 1.0 28 HDLAND 641IRR* 37.8 99 10/6 1.0 20 HDLAND MDLAND										
DYNA-GRO DG-3401MRR * 37.2 45.5 41.4 94 103 10/5 1.0 28 10/NA-GRO DG-3442MRR * 37.2 45.5 41.4 94 103 10/8 1.0 30 DYNA-GRO DG-3442MRR * 41.5 110 10/9 1.0 30 DYNA-GRO DG-3442MRR * 41.5 110 10/9 1.0 30 DYNA-GRO DG-3465MRR * 44.5 110 10/9 1.0 30 DYNA-GRO DG-3465MRR * 44.5 100 10/9 1.0 30 DYNA-GRO DG-3465MRR * 41.5 100 10/9 1.0 25 GARST D399Rs/N * 31.2 100 10/5 1.0 29 GARST D399Rs/N * 41.4 45.5 43.4 105 103 10/8 1.0 25 GARST D399Rs/N * 41.0 100 10/6 1.0 26 HOEGEMEYER A07MRR * 37.2 104 10/6 1.0 26 HOEGEMEYER 407MRR * 37.2 104 10/6 1.0 26 HOEGEMEYER 402BRR * 40.8 10/4 10/8 1.0 30 HYTEST HT84301ER * 39.9 101 10/8 1.0 30 HYTEST HT84301ER * 39.9 101 10/8 1.0 30 HYTEST HT84301ER * 38.3 97 10/8 1.0 30 HYTEST HT84800ER * 38.3 97 10/8 1.0 30 HYTEST HT84800ER * 38.3 97 10/8 1.0 25 M-PRIDE MPU437NER * 38.2 97 10/8 1.0 23 MIDIANO 839GRR * 38.0 97 10/8 1.0 23 MIDIANO 839GRR * 38.0 96 10/8 1.0 23 MIDIANO 834HER * 38.4 96 10/5 1.0 26 MIDIANO 834HER * 38.4 98 10/5 1.0 26 MIDIANO 84HER * 37.9 46.1 42.0 96 105 10/5 1.0 26 MIDIANO 84HER * 37.9 46.1 42.0 96 105 10/5 1.0 26 MIDIANO BAJORR * 40.6 94 10/5 1.0 26 MIDIANO BAJORR * 40.6 94 10/6 1.0 28 MIDIANO BAJORR * 40.6 95 10/5 1.0 26 MIDIANO BAJORR * 40.7 8 95 10/5 1.0 25 MIDIANO BAJORR * 40.6 99 10/6 1.0 28 MIDIANO BAJORR * 40.6 99 10/6 1.0 25 MIDIANO BAJORR * 40.6 99 10/6 1.0 25 MIDIANO BAJORR * 40.6 99 10/6 1.0 25 MIDIANO BAJORR * 40.6 99 1										
DYNNA-GRO DG-3442RR * 37.2										
DYNA-GRO GREST D39SR/N* 41.4 45.5 A3.4 105 103 1078 108 108 A7ER/N* 41.4 45.5 A3.4 105 103 1078 106 1078 108 108 108 108 108 108 10	DYNA-GRO			45.5	41.4		103			
GARST D395RKN * 39.2 100 10/5 1.0 29 GARST D437RKN * 41.4 45.5 43.4 105 103 10/8 1.0 32 HOEGEMBYER 389RF * 41.0 104 10/6 1.0 26 HOEGEMBYER 407NRR * 37.2 94 10/5 1.0 28 HOEGEMBYER 407NRR * 37.2 94 10/5 1.0 28 HOEGEMBYER 407NRR * 37.2 104 10/6 1.0 26 HOEGEMBYER 428RF * 40.8 101 10/8 1.0 30 HYTEST HTS450URR * 38.5 96 10/12 1.0 36 HYTEST HTS45URR * 38.5 97 10/3 1.0 25 HYTEST HTS45URR * 38.3 97 10/3 1.0 25 HYTEST HTS45URR * 38.3 97 10/8 1.0 30 HYTEST HTS45URR * 38.3 97 10/8 1.0 30 HYTEST HTS45URR * 38.2 97 10/8 1.0 28 H-FRIDE MU137NRR * 38.2 97 10/8 1.0 23 H-FRIDE MU457NRR * 34.1 97 10/8 1.0 23 HYTEST HTS45URR * 38.3 97 10/8 1.0 23 HYTEST HTS45URR * 38.4 96 10/4 1.0 30 HYTEST HTS45URR * 38.5 97 10/8 1.0 29 HYTEST HTS45URR * 38.5 98 10/5 1.0 29 HYTEST HTS45URR * 37.9 46.1 42.0 96 105 10/5 1.0 29 HYTEST HTS45URR * 37.9 46.1 42.0 96 105 10/5 1.0 29 HYTEST HTS45URR * 37.8 99 10/5 1.0 29 HYTEST HTS45URR * 37.8 99 10/6 1.0 28 HYTEST HTS45URR * 37.8 99 10/6 1.0 28 HYTEST HTS45URR * 37.8 99 10/6 1.0 28 HYTEST HTS45URR * 38.9 44.1 41.5 99 100 10/8 1.0 26 HYTEST HTS45URR * 38.9 44.1 41.5 99 100 10/8 1.0 26 HYTEST HTS45URR * 38.9 44.1 41.5 99 100 10/8 1.0 26 HYTEST HTS45URR * 38.9 44.1 41.5 99 100 10/8 1.0 26 HYTEST HTS45URR * 38.9 44.1 41.5 99 100 10/8 1.0 26 HYTEST HTS55URR * 40.6 99 10/6 1.0 24 HYTEST HTS55URR * 40.6 99 10/6 1.0 26 HYTEST HTS55URR * 40.6 99 10/6 1.0 26 HYTEST HYTEST HTS55URR * 40.6 99 10/6 1.0 26 HYTEST HYTEST HTS55URR * 4	DYNA-GRO	DG-3442NRR *								30
GARST D437RR/N* 41.4 45.5 43.4 105 103 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 3 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 10/8 1.0 3 1.0 3 10/8 1.0 3 10/8 1.0 3 1.0 3 10/8 1.0 3 10/8 1.0 3 1.0 3 10/8 1.0 3 1.0 3 10/8 1.0 3 1.0 3 10/8 1.0 3 1.0 3 10/8 1.0 3 10/8 1.0 3 10/	DYNA-GRO	DG-3468NRR *	44.5			113		10/9	1.0	27
HORDEMEYER 407NRR * 37.2 94 10/5 1.0 26 HORDEMEYER 407NRR * 37.2 94 10/5 1.0 26 HORDEMEYER 407NRR * 39.9 101 10/8 1.0 30 HITEST HITS4300RR * 38.3 98 10/1 10/8 1.0 30 HITEST HITS4300RR * 38.3 98 10/12 1.0 30 HITEST HITS4800RR * 38.3 97 10/3 1.0 25 M-PRIDE MPU39NRR * 38.3 97 10/3 1.0 25 M-PRIDE MPU37NRR * 38.2 97 10/8 1.0 25 M-PRIDE MPU457NRR * 34.1 87 10/8 1.0 28 MIDLAND 8390RR * 38.0 96 10/4 1.0 30 HIDLAND 8390RR * 38.4 96 10/8 1.0 28 MIDLAND 8390RR * 38.4 98 10/5 1.0 29 MIDLAND 8411BR * 37.9 46.1 42.0 96 105 10/5 1.0 29 MIDLAND 8411BR * 37.9 46.1 42.0 96 105 10/5 1.0 28 MIDLAND XA400RR * 36.9 96 10/3 1.0 30 MIDLAND XA400RR * 36.9 96 10/5 1.0 28 MIDLAND XA400RR * 37.8 96 10/5 1.0 28 MIDLAND XA440NRR * 37.8 96 10/5 1.0 29 MIDLAND XA440NRR * 35.3 96 10/5 1.0 29 MIDLAND XA440NRR * 35.3 96 10/5 1.0 29 MIDLAND XA440NRR * 35.3 97 10/8 1.0 30 MIDLAND XA420RR * 41.5 105 10/6 1.0 28 MIDLAND XA420RR * 41.5 105 10/6 1.0 28 MIDLAND XA420RR * 41.5 105 10/6 1.0 28 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 28 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 26 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 30 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 30 MIDLAND XA420RR * 38.9 44.1 41.5 99 100 10/6 1.0 30 MIDLAND XA420RR * 38.9 4 44.1 41.	GARST	D399RR/N *	39.2			100		10/5	1.0	29
HORGEMEYER 407MRR * 37.2 94 10/5 1.0 28 HORGEMEYER 428R * 40.8 104 10/8 1.0 30 HYTEST HT\$4301RR * 39.9 101 10/8 1.0 30 HYTEST HT\$4800RR * 38.5 98 10/12 1.0 36 M-PRIDE MPU398NRR * 38.3 97 10/3 1.0 25 M-PRIDE MPU398NRR * 38.3 97 10/8 1.0 23 M-PRIDE MPU437NRR * 38.2 97 10/8 1.0 23 M-PRIDE MPU457NRR * 38.4 97 10/8 1.0 23 MIDLAND 8390RR * 38.0 96 10/4 1.0 30 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 8411RR * 37.9 46.1 42.0 96 105 10/5 1.0 26 MIDLAND 9430RR * 36.9 94 10/8 1.0 28 MIDLAND 9430RR * 36.9 94 10/3 1.0 25 MIDLAND XA400RR * 36.9 94 10/3 1.0 25 MIDLAND XA400RR * 35.3 96 10/3 1.0 25 MIDLAND XA400RR * 35.3 96 10/3 1.0 25 MIDLAND XA400RR * 35.3 96 10/6 1.0 28 MIDLAND XA400RR * 35.3 99 10/6 1.0 28 MIDLAND XA400RR * 35.4 99 10/6 1.0 30 1.0	GARST	D437RR/N *	41.4	45.5	43.4	105	103	10/8	1.0	32
HOEGEMEYER #A28RR * #A0.8 104 10/8 1.0 30 HYTEST	HOEGEMEYER	389RR *						10/6	1.0	
HYTEST HT54800RR * 39.9 101 10.8 1.0 30 HYTEST HT54800RR * 38.5 98 10/12 1.0 36 M-PRIDE MPU398NRR * 38.3 97 10/3 1.0 25 M-PRIDE MPU457NRR * 38.2 97 10/8 1.0 25 M-PRIDE MPU457NRR * 38.1 87 10/8 1.0 23 M-PRIDE MPU457NRR * 38.0 96 10/4 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 26 MIDLAND 8411RR * 38.4 98 10/5 1.0 26 MIDLAND 8411RR * 38.4 98 10/5 1.0 26 MIDLAND 8411RR * 36.9 94 10/8 1.0 23 MIDLAND 8411RR * 36.9 94 10/8 1.0 23 MIDLAND XA400RR * 40.6 103 10/8 1.0 25 MIDLAND XA400RR * 35.3 89 10/5 1.0 26 MIDLAND XA400RR * 35.3 96 10/6 1.0 28 MIDLAND XA40NRR * 35.3 89 10/6 1.0 28 MIDLAND XA40NRR * 35.3 89 10/6 1.0 28 MIDLAND XA40NRR * 35.3 103 10/6 1.0 28 MIDLAND XA40NRR * 36.6 108 10/6 1.0 28 MIDLAND XA40NRR * 36.9 44.1 41.5 99 100 10/8 1.0 28 MIDLAND XA40NRR * 38.9 44.1 41.5 99 100 10/8 1.0 28 MIDLAND XA40NRR * 38.9 44.1 41.5 99 100 10/8 1.0 28 MIDLAND XA40NRR * 36.6 108 10/3 10/4 1.0 31 TAYLOR 35 STINE 4292-4 * 36.6 103 10/6 1.0 24 TAYLOR 35 STR * 40.6 103 10/6 1.0 24 TAYLOR 35 STR * 40.6 103 10/6 1.0 24 TAYLOR 35 STR * 40.6 103 10/6 1.0 24 TAYLOR 35 STR * 40.6 103 10/6 1.0 24 TAYLOR 35 STR * 40.6 99 10/6 1.0 30 TAYLOR 35 STR * 40.6 99 10/6 1.0 24 TAYLOR 35 STR * 40.6 99 10/6 1.0 24 TAYLOR 35 STR * 40.6 93 10/6 1.0 24 TAYLOR 35 STR * 40.6 99 10/6 1.0 24 TAYLOR 35 STR * 40.6 99 10/6 1.0 24 TAYLOR 35 STR * 40.6 99 10/6 1.0 24 TAYLOR 35 STR * 40.6 99 10/6 1.0 24 TAYLOR 35 STR * 40.6 99 10/6 1.0 30 TERRA TS39 STR * 34.2 99 10/6 1.0 30 TERRA TS39 STR * 34.2 99 10/6 1.0 30 TERRA TS39 STR * 34.2 99 10/6 1.0 30 TERRA TS39 STR * 34.0 99 10/6 1.0 30 1.0 25 TERR										
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NC+	MIDLAND	XA421RR *	37.8			96		10/5	1.0	29
NK \$46-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 4001-4 * 42.6 108 10/4 1.0 25 STINE 4001-4 * 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 * 41.4 46.5 43.9 105 106 10/8 1.0 31 TAYLOR 445RR * 41.4 115 10/8 1.0 30 TERRA TS387RR * 34.2 87 10/3 1.0 25 TERRA TS396RR * 41.4 105 10/5 1.0 25 TERRA TS460RR * 36.5 45.0 40.8 93 102 10/8 1.0 30 TERRA TS460RR * 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 \$3209RR * 35.4 90 9/29 1.0 27 U.S. SEEDS US \$3309RR * 38.3 97 10/4 1.0 26 U.S. SEEDS US \$4409RR * 42.1 107 10/4 1.0 24 U.S. SEEDS US \$4409RR * 41.8 97 10/4 1.0 24 U.S. SEEDS US \$4809RR * 41.8 97 10/4 1.0 24 UILLCROSS RR238R * 41.7 87 10/4 1.0 24 WILLLCROSS RR2397 * 39.6 43.6 41.6 101 99 10/7 1.0 28 WILLLCROSS RR2397 * 39.6 43.6 41.6 101 99 10/7 1.0 28 WILLLCROSS RR249N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLLCROSS RR249N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLLCROSS RR249N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLLCROSS RR2469N * 38.6 98 10/5 1.0 25 HS93-4118 41.5 98 10/5 1.0 25 HS93-4118 41.5 98 10/5 1.0 25 HS93-4118 41.5 99 10/5 1.0 25 HS93-4118 41.5 99 10/5 1.0 25 HS93-4118 41.5 105 10/5 1.0 25	MIDLAND	XA440NRR *	35.3			89		10/6	1.0	28
STINE 4001-4 * 42.6 108 10/4 1.0 25 STINE 4292-4 * 36.6 93 10/8 1.0 35 TAYLOR 385RR * 40.6 93 10/4 1.0 31 TAYLOR 390RR * 39.0 99 10/6 1.0 34 TAYLOR 415RR * 41.4 46.5 43.9 105 106 10/8 1.0 31 TAYLOR 445RR * 45.4 115 10/8 1.0 33 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 33 TERRA TS4280RR * 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 25 U.S. SEEDS US S3609RR * 37.0 90 9/29 1.0 27 U.S. SEEDS US S3609RR * 38.3 97 10/4 1.0 26 U.S. SEEDS US S3909RR * 42.1 107 10/9 1.0 26 U.S. SEEDS US S4809RR * 41.8 106 10/1 1.0 26 U.S. SEEDS US S4809RR * 41.8 106 10/1 1.0 28 U.S. SEEDS US S4809RR * 41.8 106 10/1 1.0 28 UILLCROSS RR238N * 41.7 87 10/4 1.0 22 WILLCROSS RR2449N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 10/4 1.0 26 WILLCROSS RR2469N * 38.6 98 10/8 1.0 29 WILLCROSS RR2469N * 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	NC+	4A29RR *	41.5			105		10/8	1.0	26
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 87 10/8 1.0 30 TERRA TS387RR * 34.2 87 10/3 1.0 25 TERRA TS386RR * 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 30 TERRA TS439RR * 40.5 103 101 106 10/5 1.0 37 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 94 10/1 1.0 26 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 97 10/4 1.0 24 U.S. SEEDS US S4809RR * 41.8 97 10/4 1.0 24 U.S. SEEDS US S4809RR * 34.1 87 10/4 1.0 24 U.S. SEEDS US S4809RR * 34.1 87 10/4 1.0 28 U.S. SEEDS US S4809RR * 34.1 87 10/4 1.0 28 U.S. SEEDS US R2388N * 41.7 87 10/4 1.0 26 WILLCROSS R2388N * 41.7 87 10/4 1.0 26 WILLCROSS R2397 * 39.6 43.6 41.6 101 99 10/7 1.0 28 WILLCROSS R2397 * 39.6 43.6 41.6 101 99 10/7 1.0 28 WILLCROSS R2449N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLCROSS R2449N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLCROSS R2449N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLCROSS R2449N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLCROSS R2449N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLCROSS R2449N * 40.0 44.3 42.1 101 100 10/8 1.0 29 WILLCROSS R2449N * 40.0 44.3 42.1 101 100 10/8 1.0 25 TEST AVERAGES 39.4 44.1	NK	S46-W8 *	38.9	44.1	41.5	99	100	10/8	1.0	28
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 31 TAYLOR 445RR * 34.2 87 10/3 1.0 25 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 S3609RR * 35.4 90 9/29 1.0 27 U.S. SEEDS US S3609RR * 38.3 94 10/1 1.0 26 U.S. SEEDS US S3409RR * 42.1 97 10/4 1.0 24 U.S. SEEDS US S4409RR * 41.8 106 10/11 1.0 32 WILLCROSS RR238N * 41.7 87 106 10/4 1.0 26 WILLCROSS RR238N * 41.7 87 106 10/4 1.0 26 WILLCROSS RR238N * 41.7 87 106 10/4 1.0 26 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 29 WILLCROSS RR2469N * 38.6 98 8 10/8 1.0 25 TAYON MACON 41.4 49.9 45.7 105 113 10/5 1.0 25 TAYON MACON 41.4 49.9 45.7 105 113 10/5 1.0 25 TEST AVERAGES 39.4 44.1	STINE	4001-4 *				108		10/4	1.0	25
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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	U.S. SEEDS	US S4409RR *	42.1			107		10/9	1.0	28
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	U.S. SEEDS	US S4809RR *	41.8			106		10/11	1.0	32
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	WILFARM									
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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										
<u>IA3010 (A94-774021) 39.7</u> 101 9/27 1.0 21 TEST AVERAGES 39.4 44.1	KSOY									
TEST AVERAGES 39.4 44.1										
	TEST AVEDACES	IM3010 (M94-//4021)				TOT		3/4/	1.0	21

TABLE 17. CHEROKEE COUNTY ROUNDUP-RESISTANT SOYBEAN PERFORMANCE (DRYLAND), 1998-1999 YIELD AS % OF MAT LODGING HT YIELD (Bu/A) TEST AVERAGE SCORE IN ENTRY 1999 1998 2-Yr 1999 1998 -----1999----MATURITY GROUPS II-IV 109 ATTAS 5441NRR * 27.9 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 DP 4690RR * DELTAPINE 28.0 ------110 ---10/9 1.0 22 DG-3401NRR * DYNA-GRO 25.5 100 9/29 1.0 DYNA-GRO DG-3442NRR * 23.7 ------93 ---10/6 1.0 20 96 10/10 DYNA-GRO DG-3468NRR * 24.5 1.0 17 D437RR/N * 47.9 37.7 107 10/9 GARST 27.5 108 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 ---------MPU457NRR * M-PRIDE 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 445RR * 10/8 TAYLOR 27.6 ---108 1.0 20 488RR * ------TAYLOR 31.4 123 ---10/10 1.0 24 TERRA TS4280RR * 25.3 ---___ 99 ___ 10/8 1.0 20 TS466RR * 29.2 48.6 38.9 109 10/5 TERRA 115 1.0 26 U.S. SEEDS US S4409RR * 26.5 ------104 ---10/8 1.0 21 WF370RR * 19.7 77 9/28 1.0 WILFARM 14 RR2449N * 37.5 WILLCROSS 26.1 48.9 102 110 10/8 1.0 20 10/8 WILLCROSS RR2467N * 27.8 45.7 36.7 109 102 1.0 26 RR2469N * 10/8 WILLCROSS 28.7 ---1.0 22 ---113 ---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 ---------AG5401 * ASGROW 35.1 ------116 ---10/16 1.0 26 DEKALB CX556cRR * 31.2 ------103 ---10/12 1.0 26 DP 4750RR * 10/10 DELTAPINE 29.2 ------97 ---1.0 26 D484RR/N * ------88 GARST 26.6 ---10/12 1.0 M-PRIDE MPU537NRR * ---102 30.8 ------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 4N79RR * NC+ 27.7 ------92 ---10/11 1.0 24 S51-T1 * 45.7 37.8 99 94 NK 29.8 10/14 1.0 s59-V6 * 35.6 10/17 NK ---118 ---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 TR4718RR * 10/7 TRIUMPH 28.0 ------93 ---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 RR2480 * WILLCROSS ---103 10/10 27 31.1 ------1.0 WILLCROSS RR2490N * 30.3 ------100 10/9 1.0 25 RR2517N * WILLCROSS 30.9 54.0 42.5 102 111 10/14 1.0 23 WILLCROSS RR2520N * 34.7 ------115 ---10/15 1.0 23 KSOY DELSOY 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

4.4

5.8

LSD (.10)

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

TABLE 18. REPUBL	IC COUNTY ROUNDUP-RESIST	ANT SOYB		ORMANCE	(IRRIGATED), 1998-1999. YIELD AS % OF MAT LODGING H				
			YIELD				MAT L		
DDAND	ENTEDV	1000	(Bu/A)	2 7/20		AVERAGE		SCORE	IN
BRAND	ENTRY	1999	1998	2-Yr	1999	1998		1999-	
		MAT	URITY GR	OUPS 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 * DG-3370RR *	71.3			100 106		10/3	1.0 1.0	40 37
DYNA-GRO DYNA-GRO	DG-3370RR *	75.7 70.0			98		10/2 10/2	1.0	38
DYNA-GRO	DG-3388RR *	73.4			103		10/2	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 NE	S39-D9 *	70.4			98		10/6	1.0	37
NK NK	X9930RR * X9934RR *	70.1 73.7			98 103		10/3 10/2	1.0 1.0	30 34
RENZE	EX3101R EXP *	71.0			99		10/2	1.0	34
RENZE	R3300R *	72.7			102		10/2	1.0	38
RENZE	R3500R *	72.7			101		10/2		37
RENZE	R3890Rcn *	68.8			96		10/5		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.
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TABLE 19. HARVEY	COUNTY ROUNDUP-RESISTAN	T SOYBEA	N PERFOR	MANCE (D.		<u>, 1998-19</u> AS % OF		UT
						AS % OF AVERAGE	MAT LODGING	IN
BRAND	ENTRY	1999	(Bu/A) 1998	2-Yr	1999	1998	SCORE 1999	
DIAND	BNIKI	1333	1990	2-11	1000	1990		
		MAT	URITY GR	OUPS 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					
		MAT	URITY GR	OUP 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
	KS4694	19.9	25.3	22.6	106	103	10/6 1.0	33
KSOY					-00		10,0 1.0	23
KSOY		19.0			102		9/16 1.0	27
KSOY TEST AVERAGES	HS93-4118	19.0 18.7	24.5		102		9/16 1.0	27
KSOY TEST AVERAGES LSD (.10)		19.0 18.7 4.4	24.5 3.0		102		9/16 1.0	27

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

			YIELD		YIELD	AS % OF	MAT I	ODGIN	HT E
			(Bu/A)		TEST Z	AVERAGE		SCORE	IN
BRAND	ENTRY	1999	1998	2-Yr	1999	1998		1999	
		MAT	URITY GRO	UPS 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		10/2	1.5	31
WILFARM	WF480RR *	41.2			100		10/10	1.5	32
WILLCROSS	RR2388N *	43.9			107		9/28		27
	RR2397 *	39.3		28.9	96	72			
WILLCROSS WILLCROSS	RR2397 ** RR2449N *	48.1	18.5 27.7	37.9	118	73 110	10/6		30 29
WILSON	E9370RR *	36.2		37.9			10/9		
			20 6		88	112	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						

BLE 21 THOMAS	COIINTY	ROUNDUP-RESISTANT	SOVERAN	DEDECEMBNCE	(TRRTCATED)	1998-1999

			YIELD		YIELD	AS % OF	MAT I	ODGIN	J HT
			(Bu/A)		TEST A	AVERAGE		SCORE	IN
BRAND	ENTRY	1999	1998	2-Yr	1999	1998		1999	
		MAT	URITY GR	OUPS 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.

		YIELD YI	ELD AS % OF	MAT	LODGING	HT
BRAND	ENTRY	(Bu/A) TE	ST AVERAGE		SCORE	IN
		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.

					YIELD					YIELD A	AS % OF		MAT	LODGING	HT
		-			(Bu/A)	1				TEST A	VERAGE			SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		1999	_
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.

					YIELD					YIELD A	AS % OF		MAT	LODGING	HT
					(Bu/A)					TEST A	VERAGE			SCORE	IN
BRAND	ENTRY	1999	1998	1997	1996	2-Yr	3-Yr	4-Yr	1999	1998	1997	1996		1999	
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.

			STAND													RESIS							
BRAND	NAME	BRO	SHA	FRA	CHE	RPD	RCI	HAR	STA	SUM	THO	AVGST	BRR	SHR	FRR	CHR	RCR	HRR	STR	THR	GRR	AVGRR	SCN
KSOY	DELSOY 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	DELSOY 4710				72							72											100
PUBLIC	DELSOY 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																		
								405				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 *			400			405					404		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	AG3002 AG3003 *																98			105	102	104	
ASGROW	AG3302 *									84		84	108	101			107			100	97	102	
													108	101									
ASGROW	AG3303 *									95		95	404	400			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	

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

			STANE	DARD T	RIALS									ROI	JNDUP	-RESIS		RIALS					
BRAND	NAME	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						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						112											
DEKALB	CX367cRR *												97				100	98		98	89	96	
DEKALB	CX377						94					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 *						102													101		101	
DYNA-GRO	DG-3370RR *												102	87	107		106	93	96			98	
DYNA-GRO	DG-3370NR DG-3372NRR *												98	110	86		98	101				98	
DYNA-GRO	DG-3372NRR DG-3388RR *												103	89	98		103	85	94			95	
DYNA-GRO	DG-3394RR *												103	87	99		103	97	90			93	
DYNA-GRO	DG-3394KK	94	103	104	77		106	102	104	91		98											
DYNA-GRO	DG-3395 DG-3401NRR *		103	104	"		100	102	104	91				96	103	100		106				101	
DYNA-GRO	DG-3401NKK		86	100	125		111	108	93	89		105			103	100		100				101	
DYNA-GRO	DG-3402515 DG-3424RR *	126	00	100	123		111	100	93			105			94			00				06	
DYNA-GRO	DG-3424NN DG-3438N																	98				96	92
DYNA-GRO	DG-3436N DG-3442NRR *													102	110	93						105	92
DYNA-GRO	DG-3442NRR DG-3444N															93			115				98
DYNA-GRO	DG-3444N DG-3468NRR *														112							105	90
FONTANELLE	9765RR *														113	96						97	
GARST	D305 RR *												88				105						
																				93		93	
GARST GARST	D350	93										93	115	111			100		07			106	
	D355RR *												115	111			100		97			106	
GARST	D370RR *												107	98			98		100			101	
GARST GARST	D376 RR *	400	404			440	400		444			110											
	D398	108	124	93		113	106		114			110	400		400			440					
GARST	D399RR/N *												102	97	100	400	97	112	88			99	
GARST	D437RR/N *		400	410								447		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											

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

			STAND								 			JNDUP-								
BRAND	NAME	BRO	SHA	FRA	CHE	RPD	RCI	HAR	STA	SUM	AVGST	BRR	SHR	FRR	CHR	RCR	HRR	STR	THR	GRR	AVGRR	SCI
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											8
HOEGEMEYER	EXP 443RR *										 						102	106			104	_
HYTEST	HTS3600RR *										 					100					100	
HYTEST	HTS3820						96				 96											_
HYTEST	HTS4000RR *										 					98					98	_
HYTEST	HTS4220						97				 97											_
							91							101		00	101					
HYTEST	HTS4301RR *			444							 01			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	33	101	110			33	30		100	101	_
MIDLAND	8398	100		102				99		105	 103											
				103																		-
MIDLAND	8410			94						90	 92						440	440		400	400	-
MIDLAND	8411BRR *										 	97	93	98			110	110		109	103	-
MIDLAND	8411RR *										 	95	89	96			110	108		106	101	-
MIDLAND	8421				105						 105											9
MIDLAND	8422RR *										 						111				111	-
MIDLAND	8431							100		139	 119											-
MIDLAND	8450STS			106	97						 101											7
MIDLAND	8475										 											10
MIDLAND	8486				87						 87											-
MIDLAND	8530				114						 114											11
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			.01					107	
INIIDEUIND	SASSULLI										 		100								103	-

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

TABLE 25. TIELD	AS % OF TEST AVERAGE	FROIVI 19	STAND			NIINOEL	رر							ROI	JNDUP-	RESIST	TANT TE	RIALS					
BRAND	NAME	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					92											
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							120											
MIDLAND	XA421RR *												97	91	96							95	
MIDLAND	XA440NRR *														89	99						94	
MIDLAND	XA450			109								109											
MIDLAND	XA480NRR *			103												95						95	
MIDLAND	XA520N				108							108											
					100							100											
MIDLAND	9B350RR (XB350RR) *	404					400							100			101	88	99	103		98	
MIDLAND	XB370N	101	82				102					95											
MIDLAND	XB380	102	99									100											
MIDLAND	XB480RR *															100						100	
MIDLAND	XE370RR *																	97	101			99	
MIDLAND	XE480				78							78											
MIDWEST SEED	G 3844S	101		90			86					93											
MIDWEST SEED	G 3922NRR *																		101			101	
MIDWEST SEED	G 3925RR *																		107			107	
MIDWEST SEED	G 3996	111		100			104					105											
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									114											
MYCOGEN	5404	111	105	111	93	104	90	133				107											
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					104											
NC+	3A99RR *												104	110			97		84			99	
NC+	4A10	102	100						113			105											
NC+	4A29RR *	102	100						113				120	102	105				103			107	
NC+	4A47		113									113	120	102	105				103			107	
NC+	4N26		109									109											
			109																				
NC+	4N49RR * 4N79RR *															90						90	
NC+			440									110				92						92	
NC+	5A44		110									110											
NK	S33-P2		99	98								98							440			400	
NK	S39-D9 *																98	98	112			103	
NK	S42-M1 *																						
NK	S43-B5	95	109	101		83	99					97											
	C 4C 1MO *														99	113		111				108	
NK NK	S46-W8 * S51-T1 *														33	99						99	

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

			STAND	ARD T	RIALS									ROL	JNDUP-	RESIST	TANT TI	RIALS					
BRAND	NAME	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 *			104				118	88	102	117	106											
PIONEER	93B82	114	109	98		96		102	110	99		104											_
PIONEER	93B84 *	94	109				104	102				104											
		94	106				104																
PIONEER	9492 *				94							94											9
PIONEER	94B01 *			91								91											
PIONEER	95B33				98							98											10
PIONEER	95B71 *				126							126											13
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 *						102					102	105	117						116		113	
STINE	3700-4 *												112	98			102		85	110		99	_
		0.4											112				102						
STINE	3870-0 (3870-1)	94	124	100								106										400	
STINE	4001-4 *													108	108				100			106	-
STINE	4292-4 *														93		97					95	
STINE	4702-2				80							80											9
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	
ΓERRA	TS336RR *												97									97	_
ΓERRA	TS348	96	107	102								102											_
TERRA	TS3680RR *												81	98								90	_
TERRA	TS387		115	110								112											_
		112	115	110									102	0.4	97								
TERRA	TS387RR *												102	94	87							94	-
TERRA	TS396RR *			400	400							404		99	105							102	-
ΓERRA	TS415		94	108	109							104											-
ΓERRA	TS4280RR *														93	99						96	-
TERRA	TS438		87	102	115							102											9

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

			STANE	DARD T	RIALS									ROI	JNDUP	-RESIS	TANT TI	RIALS					
BRAND	NAME	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	102	85	93		100		65	96	97		87											
WILLCROSS	9947N		65	93	64			05	90	91		64											89
WILLCROSS	9951N											116											126
WILLCROSS	RR2300 *				116																		120
WILLCROSS													90									90	
	RR2320N *												91									91	
WILLCROSS	RR2338 *												85									85	
WILLCROSS	RR2350 *												112									112	
WILLCROSS	RR2357 *												85	400			400	440				85	
WILLCROSS	RR2368 *												100	102			103	110	407			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	100
WILLCROSS	RR2469N *														98	113		79				97	84
WILLCROSS	RR2480 *															103						103	
WILLCROSS	RR2490N *															100						100	104
WILLCROSS	RR2517N *				103							103				102						102	94
WILLCROSS	RR2520N *															115						115	95
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.

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

										SCN			PHYTO		RR	STS
BRAND	NAME	MG	VT	FC	HI	PU	PD	R1	R3	R4	R14		RR	TOL		
(SOY	DELSOY 5500	V	PL	W		Т	Т		R		MR	Peking/PI88788	S		N	N
SOY	KS3494	Ш	PL	Р	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	Р	BL	G	Т	S	S		S		S		N	N
KSOY	KS4997	IVS	PL	W	BL	Т	Т	S	S		S		S		N	Ν
KSOY	MACON	Ш	PL	W	BL	Т	BR	S	S		S		S		N	Ν
KSOY	STRESSLAND	IV	PL	Р	BL	Т	Т	S	S		S		S		N	N
PUBLIC	ANAND	V	PL	Р	BL	Т			R			PI437654	S		N	N
PUBLIC	CRAWFORD	V	PL	Р	BL	Т	BR	S	S		S		S		N	N
PUBLIC	DELSOY 4710	V	PL												N	N
PUBLIC	DELSOY 5710	V	PL												Ν	N
PUBLIC	FLYER	IV	PL	Р	BL	Т	Т	S	S		S		RPS1k		Ν	N
PUBLIC	HS93-4118	IV	PL												N	N
PUBLIC	HUTCHESON	V	PL	W	BF	G	Т	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	Ν
PUBLIC	K1423	V	PL												N	Ν
PUBLIC	K1424	V	PL												N	N
PUBLIC	K1425	V	PL												N	N
PUBLIC	KS5292	V	PL	W	BF	G	Т	R	R		S	PEKING	S		N	N
PUBLIC	MANOKIN	V	PL	W	BL	T	Ť	R	R		S	PEKING	S		N	N
PUBLIC	MD92-5769	v	PL	•••		•	•				Ü	Litario	J		N	N
PUBLIC	RESNIK	ill	PL	Р	BL	т	т	S	s		S		RPS1k		N	N
PUBLIC	SHERMAN	111	PL	W	BF	Ġ	BR	S	S		S		S		N	N
PUBLIC	WILLIAMS 82	111	PL	W	BL	BR	T	S	S		S		RPS1k		N	N
ADV. GENETICS	AG3630 STS	IV	PL	W	BL	T	Ť						RG1c	1.4	N	Y
ADV. GENETICS	AG3667 RR *	III	PL	P	BR	Ť	BR						RPS1a	1.4	Y	N
ADV. GENETICS	AG3797 RR *	111	PL	P	BL	Ť	BR						RPS1k	1.0	Ϋ́	N
ADV. GENETICS ADV. GENETICS	AG3886RR *	111	PL	Р	DL	'	DK						KPSIK	1.8	ī	IN
ADV. GENETICS	AG3920	III														
ADV. GENETICS	AG3944NRR *	III	Б.		ъ.	_	_								.,	
ADV. GENETICS	AG3957 RR *	III	PL	W	BL	T	T							1.5	Y	N
ADV. GENETICS	AG4188 STS	IV	PL	Р	BL	T	T						XG1c	2.2	N	Υ
ADV. GENETICS	AG4437 RR *	IV	PL	W	BF	G	Т						RPS2		Υ	N
ADV. GENETICS	AG5277 RR *	V	PL	Р		Т									Υ	
ADV. GENETICS	DS 390	III	PL	W	BL			S	S		S		RPS1c	1.6		
ADV. GENETICS	DS 410	IV	PL	Р	BL	BR	BR						RPS1c	2.5	N	
ADV. GENETICS	DS 454	IV	PL	Р	BL	Т	BR						RPS1c	2.0	N	
ADV. GENETICS	DS 466	IV	PL	W	BL	Т	Т		R		R			2.0	N	
ADV. GENETICS	DS 485	IV	PL	Р	BL	G	T							3.0	N	
ASGROW	A5404 *	V	PL	Р	IB				R						N	Υ
ASGROW	AG2903 *	III	PL	Р	BL				R		MR	PI88788	RPS1c	2.0	Υ	N
ASGROW	AG3002 *	III	PL	Р	BL	Т	BR	S	S		S		RPS1k	2	Υ	N
ASGROW	AG3003 *	Ш	PL	Ρ	IB								RPS1k	2	Υ	Ν
ASGROW	AG3302 *	Ш	PL	Р	IB								RPS1c	2	Υ	Υ
ASGROW	AG3303 *	Ш	PL	Р	BL				R		MR	PI88788	RPS1c	2	Υ	Ν
ASGROW	AG3701 *	IV	PL	P	IB	G	Т	S	R		S	PI88788		4	Y	N
ASGROW	AG3702 *	III	PL	Р	IB	-		-			-		RPS1c	2	Ϋ́	N
ASGROW	AG4101 *	IV	PL	W	BL				R			PI88788	010	4	Ϋ́	N
ASGROW	AG4301 *	IV	PL	P	BL	Т	Т	S	R		R	. 1007 00		2	Ϋ́	Y
						•	•	J	11		11		DDQ1k			N
ASGROW	AG4402 *	IV	PL	W	BL								RPS1k	2	Υ	

										SCN			PHYTO		RR	ST
BRAND	NAME	MG	VT	FC	HI	PU	PD	R1	R3	R4	R14	SOURCE	RR	TOL		
SGROW	AG4702 *	IV	PL	W	BL			S	R	S	R			3	Υ	1
SGROW	AG5401 *	V	PL	W	BF			S	R	S	MR			2	Υ	
ATLAS	5316RR *	III	PL	M	BL			S	S	S	S		RPS1k	8	Υ	
ATLAS	5370RR *	IV	PL	Р	BR			S	S	S	S		RPS1a	6	Υ	
ATLAS	5441NRR *	IV	PL	Р	BL			S	R	S	MR	PI88788	RPS1k	7	Υ	
DAIRYLAND	DSR-381RR *	III	PL	Р	BL			S	S	S	S		RPS1k	1.5	Υ	
DAIRYLAND	DSR-421 *	IV	PL	W	BL			S	MR	S	S	PI88788		2.3	Υ	
DEKALB	CX285RR *	III	PL	Р	BL			S	S	S	S		RPS1k	4.0	Υ	
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	Υ	
DEKALB	CX377	III	PL	W	BL	Т	Т	S	S	S	S		RPS1c	2.0	Ν	
DEKALB	CX392RR *	III	PL	W	BL			S	S	S	S		RPS1c	5.0	Υ	
DEKALB	CX400	IV	PL	W	BL	Т	BR	S	S		S		S	4.0	N	
DEKALB	CX444cRR *	IV	PL	P	BL	•	2	S	R	S	S	PI88788	· ·	4.0	Υ	
DEKALB	CX496c	V	PL	W	BL	Т	Т	S	R	S	S	PI88788	S	4.0	N	
DEKALB	CX496C CX556cRR *	V	PL	P	IB	'	'	S	R	S	S	PI88788	RPS1c	4.0	Y	
DELTAPINE	DP 3478	IV	PL	P	BL	Т		MR	MR	3	MR	F100100	KFOIL	1.0	N	
DELTAPINE	DP 4344RR *	IV	PL	W	BL	Ť	Т	S	S		S			1.0	Y	
				P		1	ı	3	S		S			1.0		
DELTAPINE	DP 4690RR *	IV	PL		BL	-	-	_						4.0	Y	
DELTAPINE	DP 4750RR *	IV	PL	P	BL	Т	BR	S	S		S			1.0	Υ	
ELTAPINE	DS 4909	V	PL	W	BL				R		MR					
YNA-GRO	DG-3306RR *	III	PL	Р	IB			S	R	S	R	PI88788		3.0	Υ	
YNA-GRO	DG-3312RR *	Ш	PL	Р	BL			S	S	S	S		RPS1k	2.0	Υ	
YNA-GRO	DG-3331N															
YNA-GRO	DG-3334RR *	III	PL	Р	BL			S	S	S	S		RPS1k	3.0	Υ	
YNA-GRO	DG-3370RR *	III	PL	Р	BL			S	S	S	S		RPS1k	3.0	Υ	
YNA-GRO	DG-3372NRR *	Ш	PL	W	BL			S	R	S	R	PI88788		2.0	Υ	
YNA-GRO	DG-3388RR *	Ш	PL	Р	BL	Т	Т	S	S	S	S		RPS1k	3.0	Υ	
YNA-GRO	DG-3394RR *	III	PL	W	BR			S	S	S	S		RPS1k	3.0	Υ	
YNA-GRO	DG-3395	III	PL	Р	BL	Т	BR	S	S	S	S		RPS1c	3.0		
YNA-GRO	DG-3401NRR *	IV	PL	W	BL			S	MR	S	MR	PI88788		2.0	Υ	
YNA-GRO	DG-3402STS	IV	PL	P	BL			S	S	S	S		RPS1c	3.0	N	
YNA-GRO	DG-3424RR *	IV	PL	w	BL			S	MR	s	S	PI88788	00	2.0	Υ	
YNA-GRO	DG-3438N	IV	PL	W	BL			S	R	S	MR	PI88788		3.0	•	
YNA-GRO	DG-3442NRR *	IV	PL	P	BL			S	R	S	R	PI88788	RPS1k	3.0	Υ	
YNA-GRO	DG-3442NKK	IV	PL	г	DL			S	R	S	R	PI88788	KFSIK	3.0	1	
YNA-GRO YNA-GRO		IV	PL PL	W	BL				R R	S	MR				Υ	
	DG-3468NRR *	III	PL	P	BL			S	ĸ	5	IVIK	PI88788		4.0	Y	
ONTANELLE	9765RR *								_				DDOM	2		
SARST	D305 RR *	III	PL	Р	BL	Т		S	S	S	S		RPS1k	2.5	Υ	
SARST	D350	III	PL	Р	BR			S	S	S	S		555			
SARST	D355RR *	III	PL	P	BR			S	S	S	S		RPS1c		Y	
SARST	D370RR *	III	PL	P	BL	_		S	S	S	S		RPS1c		Y	
SARST	D376 RR *	Ш	PL	Р	BR	Т		S	S	S	S			2.0	Υ	
SARST	D398	III	PL	W	BL	Т		S	S		S			2.5	Ν	
ARST	D399RR/N *	III	PL	Р	BL				R		MR	PI88788			Υ	
ARST	D437RR/N *	IV	PL	M	BL	Τ		S	R		MR	PI88788	RPS1k	2.4	Υ	
ARST	D445/N	IV	PL	Р	IB				R		MR	PI88788				
SARST	D450RR/N *	IV	PL	Р	BL				R		MR	PI88788	RPS1k		Υ	
ARST	D484RR/N *	V	PL	W	BL				R		MR	PI88788			Υ	
SARST	EX9385 EXP	III	PL	Р	BL			S	S	S	S		RPS1c			
IAMON	H-427	IV	PL	P	BL				R	R		PEKING		1.9		
IAMON	H-447	IV	PL	Р	BL				R	• •	R	PEKING		1.5		
OEGEMEYER	333	III	PL	<u>.</u> Р	IB	G	BR	S	S		S		RPS1a,6	7.0	N	
IOEGEMETER IOEGEMEYER	346RR *	III	PL	P	BL	J	211	_	_		_		RPS1k	7.0	. •	

TABLE 26. DESCRIPTI	ON OF ENTRIES IN 1999 S	SOYBEAN PERI	FORMA	NCE T	EST. +	(CC	NITNO	JED)								
										SCN			PHYTO		RR	STS
BRAND	NAME	MG	VT	FC	HI	PU	PD	R1	R3	R4	R14	SOURCE	RR	TOL		
HOEGEMEYER	379	III	PL	Р									RPS1a,6			
HOEGEMEYER	389RR *	III	PL	W	BR								RPS1k			

										SCIV			FILLO		IVIV	313
BRAND	NAME	MG	VT	FC	HI	PU	PD	R1	R3	R4	R14	SOURCE	RR	TOL		
HOEGEMEYER	379	Ш	PL	Р									RPS1a,6			
HOEGEMEYER	389RR *	Ш	PL	W	BR								RPS1k			
HOEGEMEYER	401	IV	PL	Р	BR	Т	Т	S	S		S				N	N
HOEGEMEYER	402STS	IV	PL	Р	BR	Т	Т	S	S		S				N	Υ
HOEGEMEYER	407NRR *	IV	PL	W	BL											
HOEGEMEYER	428RR *	IV	PL	W	BL											
HOEGEMEYER	451SCN	IV	PL													
HOEGEMEYER	EXP 443RR *	IV	PL	Р	BL				R		R		RPS1k			
HYTEST	HTS3600RR *	III	PL	P	BL								RPS1k	3.0	Υ	N
HYTEST	HTS3820	III	PL	Р	BR								•	3.0	•	
HYTEST	HTS4000RR *	IV	PL	Р	BL								RPS1k	3.0	Υ	N
HYTEST	HTS4220	IV	PL	Р	IB				R	R	MR		THI OTH	3.0	•	.,
HYTEST	HTS4301RR *	IV	PL	Р	BL				R	R	MR		RPS1k	2.0	Υ	N
HYTEST	HTS4610	IV	PL	W	BR								THE OTH	3.0	•	
HYTEST	HTS4800RR *	V	PL	P	BL				R	R	MR			2.0	Υ	N
HYTEST	HTS5005	V	PL	P	IB				R	R	MR			3.0	'	IN
LEWIS	3816RR *	 III	PL	P	BL			S	S	S	S		RPS1k		V	N
				P										1.5	Y	
LEWIS	3999RR *	III	PL		BR			S	S	S	S	Dicerce	RPS1a	1.5	Y	N
LEWIS	4392RR *	IV	PL	P	BL			S	R	MR	MR	PI88788	RPS1k	1.5	Y	<u>N</u>
MERSCHMAN	PHOENIX IIRR *	III	PL	W	T			S	S	S	S		RPS1k		Υ	N
MERSCHMAN	WASHINGTON VIIRR *	III	PL	<u>P</u>	T			S	S	S	S		RPS1a		Y	N
MIDLAND	8287	Ш	PL	Р	BL	T	BR							2.0	N	
MIDLAND	8322RR *	Ш	PL	Р	BL	T	T							2.0	Υ	
MIDLAND	8334	Ш	PL	Р	BR	Т	BR							3.0	N	
MIDLAND	8336N	Ш	PL	W	BL				R		MR			1.6	Ν	
MIDLAND	8355	Ш	PL	Р	ΙB	G	Т							2.8	Ν	
MIDLAND	8371	IV	PL	Р	BL	Т	BR								N	
MIDLAND	8376N	IV	PL	Р	BL				R		MR		RPS1k	1.4	Ν	
MIDLAND	8382RR *	IV	PL	Р	BL	Т	BR						RPS1k	1.8	Υ	
MIDLAND	8388	IV	PL	W	BL	Т	BR		R		MR		RPS1a	6.0	Ν	
MIDLAND	8390RR *	IV	PL	Р	BL	Т	BR		R	MR				2.0	Υ	
MIDLAND	8393	IV	PL	Р	BL	Т	Т							3.0	N	
MIDLAND	8394RR *	IV	PL	W	BL	Т	BR		MR		MR			1.7	Υ	
MIDLAND	8396STS	IV	PL	Р	BL	Т	Т						RPS1c	2.0	N	STS
MIDLAND	8398	IV	PL	W	BF				MR					1.6	N	
MIDLAND	8410	IV	PL	Р	BR	Т	Т							4.0	N	
MIDLAND	8411BRR *	IV	PL	Р	BR	Т	BR							1.8	Υ	
MIDLAND	8411RR *	IV	PL	Р	BR										Υ	
MIDLAND	8421	IV	PL	W	BL	Т	Т		R		MR			6.0	N	
MIDLAND	8422RR *	IV	PL	P/W		T	Ť		R		MR		RPS1c	2.1	Υ	
MIDLAND	8431	IV	PL	P	BL	Ť	Ť		• • •				RPS1k	2.0	N	
MIDLAND	8450STS			•	-	•	•						THI OTH	2.0	•••	
MIDLAND	8475	V	PL	W	BL	Т	Т		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	
		V	PL	IVI		'	'		IVIIX					2.0	Y	
MIDLAND MIDLAND	8540RR * 9A270RR *	V III	PL PL	Р	IB BL								RPS1k		Ϋ́Υ	
MIDLAND	9A270RR * 9A280RR *	III	PL PL	W	BL								RPS1k		Ϋ́Υ	
													Krolk			CTC
MIDLAND	9A320STS	III	PL	P	BL				МБ					1.4	N	STS
MIDLAND	9A340NRR *	III	PL	W	BL				MR	_			5.50	1.3	Y	
MIDLAND	9A360RR *	IV	PL	Р	BL				R	R			RPSc	2.2	Υ	
MIDLAND	9A380RR (XA380RR) *	Ш													Υ	
	` ,															
MIDLAND MIDLAND	9A430RR * 9B350RR (XB350RR) *	IV III	PL	W	BL								RPS1c	1.7	Y Y	

										SCN			PHYTC)	RR	STS
BRAND	NAME	MG	VT	FC	HI	PU	PD	R1	R3	R4	R14	SOURCE	RR	TOL		
MIDLAND	9E320RR *	III	PL	Р	BL				R	R			RPS1k	1.8	Υ	
MIDLAND	9G350STS	Ш	PL	W	BL				R		MR			1.6	Ν	ST
MIDLAND	9G370RR *	IV	PL	M	BL									1.5	Υ	
MIDLAND	XA350	III	PL												N	
MIDLAND	XA370RR *	IV	PL	Р	BL								RPS1a		Υ	
MIDLAND	XA400RR *	IV	PL	Р	BL								RPS1k		Υ	
MIDLAND	XA420N	IV	PL												N	
MIDLAND	XA421RR *	IV	PL	Р	BL										Υ	
MIDLAND	XA440NRR *	IV	PL	Р	BL				R		MR		RPSk		Υ	
MIDLAND	XA450	IV	PL	Р	BL										N	
MIDLAND	XA480NRR *	V	PL	W	BL				R		MR				Υ	
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	Р	BL									2.0	Y	
MIDLAND	XE370RR *	IV	PL		BR								RPS1c	2.1	Y	
MIDLAND	XE480	V	PL	Р	BL								141 010	2	N	
MIDWEST SEED	G 3844S	IV	PL	<u>.</u> Р	BL									3.8	N	ST
MIDWEST SEED	G 3922NRR *	IV	PL	w	BL									3.6	Y	٠.
MIDWEST SEED	G 3925RR *	IV	PL	P	BL									4.0	Ϋ́	
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			1.7	Ϋ́	N
M-PRIDE	MPU457NRR *	IV	PL	W	BL				R		MR				Ϋ́	N
M-PRIDE	MPU537NRR *	V	PL	P	BF				R		MR			2.0	Ϋ́	N
MYCOGEN	5383	IV	PL	<u>'</u> Р	BL	Т	BR	S	S	S	S		RPS1a	6.0	N	N
MYCOGEN	5404	IV	PL	W	BR	Ť	BR	S	S	S	S		RPS1a	5.0	N	N
NC+	2A88RR *	III	PL	P	BL	'	DIX	0	0	0			RPS1k	3.0	Y	
NC+	2A97RR *	 III	PL	Р	BL								RPS1k	1.8	Ϋ́	
NC+	2A97KK 2A99	III	PL	P	BL	Т	BR						KFOIK	3.0	N	١
NC+	3A19RR *		PL	М	BL	'	ВK							2.0	Y	1
NC+	3A19KK 3A26	III	PL	P	BF	G	BR						RPS1a		ı N	Ν
				P		G	BK		ь	D	ь		RPSTa	3.0		ľ
NC+	3A30	III	PL	P	BL				R	R	R			3.0	N	
NC+	3A77RR *	III	PL		BL									4.0	Y	
NC+	3A82STS	III	PL	Р	BL	_	ьт						D.DO41	4.0	N	
NC+	3A87	III	PL	P	BL	Т	BT						RPS1k	4.0	N	١
NC+	3A99RR *	III	PL	W	BR	_	_						RPS1a	2.5	Y	
NC+	4A10	IV	PL	P	BF	Т	Т							2.0	N	1
NC+	4A29RR *	IV	PL	W	BL								RPS1c	1.7	Υ	
NC+	4A47	IV	PL	W	BF	G	BR							4.0	N	١
NC+	4N26	IV	PL	Ρ	ΙB				R	R	R			2.0	N	
NC+	4N49RR *	IV	PL	Р	BL				R		R		RPS1k	3.0	Υ	
NC+	4N79RR *	IV	PL	W	BL				R		R					
NC+	5A44	V	PL	Р	BR	G	T		R	R	R			3.0	N	١
ΝK	S33-P2	Ш	PL	W	BR	Т	BR	S	S	S	S		S	4.0	N	١
NK	S39-D9 *	Ш	PL	Р	BL	Т	Т	S	S	S	S		RPS1c		Υ	1
NK	S42-M1 *	IV	PL	Р	BL	Т	Т		R		R		S	3.0	Υ	
NK	S43-B5	IV	PI	W	BR	т	т	S	S	S	S		RPS1c	3.0	N	1

MR

MR

MR

S S

R

R

S S S S S S

MR

3.0

4.0 Υ

6.0 Υ

2.0 Ν

2.0 Υ

7.0 Υ

4.0 Y

Ν

Ν

Ν

Ν

Ν

RPS1c

RPS1c

RPS1c

RPS1c RPS1k

S

S

BL Т Т

BL Т BR

BL

BR

W BR Т Т S S S S

Ρ

W BF G

Ρ

Ρ

W P

NK

NK

NK

NK

NK

NK NK

S46-W8 *

S51-T1 *

S57-11

S59-V6 * X9930RR * X9934RR *

S43-B5

IV

IV

V

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V

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PL

PL

PL

PL

PL

PL

PL

										SCN			PHYTO		RR	ST
BRAND	NAME	MG	VT	FC	HI	PU	PD	R1	R3	R4	R14	SOURCE	RR	TOL		
PIONEER	9344 *	III	PL	Р	BL									5.0	Υ	
PIONEER	93B01 *	III	PL	Р	BL								RPS1k	6.0	Υ	
PIONEER	93B34 *	III	PL	Р	BL	Т	BR						RPS1k	5.0	Υ	
PIONEER	93B41	III	PL	Р	BL	Т	Т						RPS1k	6.0	N	
PIONEER	93B51 *	III	PL	W	BL	T	Ť							6.0	Υ	
PIONEER	93B53 *	III	PL	P	BL	Ť	BR						RPS1k	5.0	Ϋ́	
PIONEER	93B82	III	PL	P	BL	Ť	BR						RPS1k	4.0	Ň	
PIONEER	93B84 *	iii	PL	P	BL	•	DIX						RPS1k	7.0	Y	
PIONEER	9492 *	V	PL	W	BL				D		R		KFSIK		Ϋ́	
						_	_		R					3.0		
PIONEER	94B01 *	IV	PL	W	BL	T	T		R		R			6.0	Y	
PIONEER	95B33	V	PL	Р	IB	G	Т		R		MR			5.0	N	
PIONEER	95B71 *	V	PL	W	BL				R					4.0	Υ	
PRAIRIE BRAND	PB-3515RR *	III	PL	Р	BR			S	S	S	S		RPS1c		Υ	
PRAIRIE BRAND	PB-3770RR *	III	PL	Р	BL			S	S	S	S		RPS1a		Υ	
PRAIRIE BRAND	PB-3930RR *	Ш	PL	W	BR			S	S	S	S		RPS1k		Υ	
PRAIRIE BRAND	PB-4100RR *	IV	PL	Р	BR			S	S	S	S		RPS1a		Υ	
RENZE	EX3101R EXP *	III	PL	М	BR			S	S	S	S		RPS1k	3.0	Υ	
RENZE	R3300R *	III	PL	Р	BL			S	S	S	S		RPS1k	3.0	Υ	
RENZE	R3500R *	Ш	PL	W	BL			S	S	S	S		RPS1k	3.0	Υ	
RENZE	R3890Rcn *	III	PL	P	BL			S	R	MR	MR		S	4.0	Ϋ́	
STINE	3203-4 *	III	PL	М	BR					1411 (IVIIX		RPS1k	1.0	Y	
STINE	3293-4 (3294) *	III	PL	M	BL	Т	Т	S	s	S	S		KIOK		Ϋ́	
STINE	' '	III	PL	P	BR	Ť	BR	S	S	S	S		RPS1k		N	
	3398-8 (3388)			-		'	DK		S						Y	
STINE	3503-4 *	III	PL	W	BL			S		S	S		RPS1k,1a			
STINE	3700-4 *	III	PL	Р	BL	_		S	S	S	S		RPS1k,1a		Υ	
STINE	3870-0 (3870-1)	III	PL	W	BL	T	BR	S	S	S	S		RPS1a		N	
STINE	4001-4 *	IV	PL	Р	BR			S	S	S	S		RPS1a		Υ	
STINE	4292-4 *	IV	PL	W	BL			S	S	S	S				Υ	
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		Υ	
STINE	X3900	III	PL	Р	BL			S	S	S	S				N	
AYLOR	355RR *	III	PL	W				S	S	S	S		RPS1a	2.0	Υ	
TAYLOR	385RR *	III	PL	Р											Υ	
TAYLOR	390RR *	III	PL	W				S	S	S	S		RPS1k	1.8	Υ	
TAYLOR	394RR *	III	PL	P	BR			S	S	S	S		RPS1a	2.2	Y	
TAYLOR	396	III	PL	W		Т		S	S	S	S		RPS1a	2.2	N	
TAYLOR	415RR *	IV	1 -	VV				3	3	3	3		IXI O Ia	2.2	Y	
TAYLOR	445RR *	IV	PL	Р	BL			S	R	S	R		RPS1k	2.0	Ϋ́	
					DL											
AYLOR	488RR *	IV	PL	W				S	R	S	R		S	2.4	Y	
ERRA	TS336RR *	III		W	BL			_	S					3.0	Y	
TERRA	TS348	III		W	BL			S					RPS1a	2.0	N	
ERRA	TS3680RR *	Ш		W	BL				MR					2.0	Υ	
ERRA	TS387	Ш		Р	BL	TW	BR	S					RPS1a	4.0	N	
ERRA	TS387RR *	III		W	BL				MR		MR			3.0	Υ	
ERRA	TS396RR *	III		Р	BL								RPS1c	3.0	Υ	
ERRA	TS415	IV		M	BL	TW	BR						RPS1a	4.0	N	
ERRA	TS4280RR *	IV		W	BL			S						3.0	Υ	
ERRA	TS438	IV		W	BL				R		MR			4.0	N	
ERRA	TS466RR *	IV		W	BL	т	Т		R		MR			3.0	Y	
ERRA	TS4792	IV		P	BL	BR	Ť		R	R	WIIX			3.0	N	
ERRA		V		P	BL	DIX	'			MR	R			3.0	Y	
	TS556RR *		Di						MR	IVIK	К					
RIUMPH	TR3519RR *	III	PL	W	BL	_	-		_					2.0	Y	
RIUMPH	TR3939RR *	III	PL	Р	BL	Т	BR		R	MR				3.0	Υ	

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

										SCN			PHYTO		RR	STS
BRAND	NAME	MG	VT	FC	HI	PU	PD	R1	R3	R4	R14	SOURCE	RR	TOL		
TRIUMPH	TR4339RR *	IV	PL	Р	BL	T	Т		R	R	S			2.0	Υ	N
TRIUMPH	TR4718RR *	IV	PL	W	BL				R		MR			3.0	Υ	
TRIUMPH	TR5409RR *	V	PL	Р	BF	G	Т		MR	MR	R			3.0	Υ	N
U.S. SEEDS	US S3209RR *	III	PL	W	BL				MR		MR	PI88788		2.0	Υ	
U.S. SEEDS	US S339	III	PL	Р	BR								RPS1k	2.5	N	
U.S. SEEDS	US S3609RR *	III	PL	Р	BR				R	MR		PI88788		3.0	Υ	
U.S. SEEDS	US S369STS	III	PL	W	BL				R		MR	PI88788		2.0	N	
U.S. SEEDS	US S380	III	PL	Р	BL								RPS1a	3.5	N	
U.S. SEEDS	US S3909RR *	III	PL	Р	BL								RPS1k	1.5	Υ	
U.S. SEEDS	US S399STS	Ш	PL	Р	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	Р	BL				R		MR	PI88788	RPS1k	1.5	Υ	
U.S. SEEDS	US S4809RR *	V	PL	W	BL				R		MR	PI88788		2.5	Υ	
WILFARM	WF370RR *	III	PL	Р	IB								RPS1c		Υ	
WILFARM	WF480RR *	V	PL	W	В				R		MR				Υ	
WILLCROSS	9447	V	PL	Р	BL	Т	BR								N	N
WILLCROSS	9449NSTS	IV	PL	Р	BL	Т	BR								N	STS
WILLCROSS	9450NSTS	IV	PL	W	BL				R	R					N	STS
WILLCROSS	9640	IV	PL	M	M	Т	BR						RPS1a	4.0	N	N
WILLCROSS	9738	III	PL	Р	BL	Т	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	Р	IB				R	R					N	
WILLCROSS	RR2300 *	İII	PL	P	BL								RPS1a	1.9	Υ	
WILLCROSS	RR2320N *	III	PL	P	IB				R	R			RPS1c	1.8	Y	
WILLCROSS	RR2338 *	III	PL	Р	BL	Т	Т						RPS1k	1.9	Ý	Ν
WILLCROSS	RR2350 *	III	PL	w	BL	•	•						RPS1k	1.7	Ý	
WILLCROSS	RR2357 *	III	PL	P	BR	Т	BR						RPS1a	5.0	Y	Ν
WILLCROSS	RR2368 *	III	PL	P	BL	Ť	T						RPS1k	1.8	Ϋ́	N
WILLCROSS	RR2388N *	III	PL	W	BL	•	'		MR	MR			KISIK	2.0	Ϋ́	IN
WILLCROSS	RR2397 *	III	PL	P	BL	Т	Т		IVIE	IVIT			RPS1c	2.0	Ϋ́	N.
WILLCROSS	RR2397 ** RR2449N *	IV	PL	P	BL	T	T		ь	MR					Ϋ́Υ	N
									R	IVIK			RPS1a		-	N
WILLCROSS	RR2467N *	IV	PL	W	BL	G	Т		R	_	MR			4.0	Y	Ν
WILLCROSS	RR2469N *	IV	PL	W	BL				R	R			_		Y	
WILLCROSS	RR2480 *	V	PL	P	BL				_	_			S	1.8	Υ	
WILLCROSS	RR2490N *	V	PL	Р	BL				R	R				1.8	Υ	
WILLCROSS	RR2517N *	V	PL	Р	BF	G	Т		MR	R				2.0	Υ	
WILLCROSS	RR2520N *	V	PL	Р											Υ	
WILSON	E9370RR *	III	PL	Р	BL							·	RPS1k	2.0	Υ	·

⁺ 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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