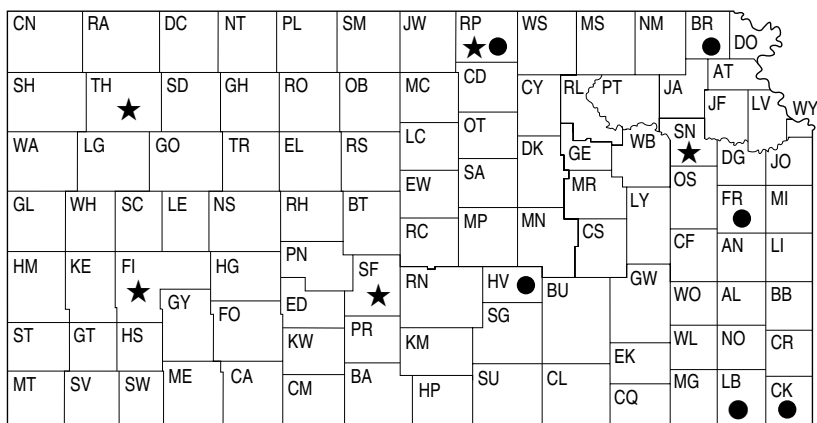




1994

KANSAS PERFORMANCE TESTS WITH SOYBEAN VARIETIES



Report of Progress 723

Agricultural Experiment Station * Kansas State University, Manhattan * Marc A. Johnson, Director

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1994 KANSAS SOYBEAN PERFORMANCE TESTS

INTRODUCTION

TEST OBJECTIVES AND PROCEDURES

Soybean performance tests are conducted each year to provide information on the relative performance of new and established varieties and brands at several locations in Kansas.

Seeds for tests are from certified growers, agricultural experiment stations, and private seed companies (Table 1). Seed quality, including such factors as purity and germination, can be important in determining the performance of a variety. Soybean seed used for public and private entries in the Kansas Crop Performance Tests is prepared professionally and usually meets or exceeds Kansas Crop Improvement Certification standards. Relative performance of a given variety comparable to that obtained in these tests is best assured under similar environmental conditions and cultural practices and with the use of certified or professionally prepared seed. All companies known to be developing and marketing soybean varieties or brands are invited to submit test seed; interested companies enter on a voluntary, fee-entry basis.

Entries were planted in four-row plots with rows 30 inches apart and replicated three or four times each. Seeding rate ranged from eight to 10 seeds per foot of row. The center two rows of each plot were harvested for yield estimates at all locations, except Finney County where all four rows were harvested. Harvested row lengths ranged from 14 to 30 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, compared with those from previous years, are presented in Tables 3 through 12.

Relative yields of each entry from all locations are shown in Table 13.

Entries were grouped according to their time of maturity into two or three tests in order to facilitate harvest and to improve the precision of yield measurements. Maturity information used to separate entries was provided by the entrant.

Results from a specialized test are included in this report for the second time. For the past several years, Experiment Station personnel have conducted trials to evaluate the performance of soybean varieties when grown in soil infested with soybean cyst nematode (SCN). This year, interested companies submitted entries in this test on a voluntary, fee-entry basis. A summary of results for the past 4 years is included in Table 14 (Cherokee County). Entries resistant and susceptible to SCN are evaluated in these trials.

DATA INTERPRETATION

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

Maturity is the date on which 95% of the pods have ripened (browned). Delayed leaf drop and green stems are not considered when assigning maturity. Maturity is expressed as days earlier (-) or later (+) than the average date of the reference variety. About 1 week of good drying weather after maturing is needed before soybeans are ready to harvest.

Lodging is rated at maturity by the following scores:

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

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

VARIETY OR BRAND SELECTION

Performance of soybean varieties or brands varies from year to year and from location to location, depending on such factors as weather, management practices, and variety adaptation. When selecting varieties or brands, one should carefully analyze their performance for 2 or more years across locations. Performance averaged over several years will provide a better estimate of genetic potential and stability than will 1 year's information.

Small differences in yield between any two varieties or brands usually are not important. Within maturity groups at each location, an LSD (least significant difference) was calculated. The significance level used to calculate the LSD in 1994 was 10%. This is a less conservative value compared to the significance level of 5% used in previous years. 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 the sites where entries were grouped by maturity, an additional LSD value is listed at the bottom of the table. This LSD value may

be used to compare the yield of entries in different maturity groups. For example, the yield of an entry in the group III test at Brown County may be compared with the yield of an entry in the group IV test at the same location to determine if they are statistically different.

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

1994 ENVIRONMENTAL FACTORS

Brown County: Timely rainfall during the seed-~~ill~~ period produced moderate yields. No disease or insect problems were noted in the plots.

Shawnee County: Moderate rainfall coupled with supplemental irrigation substantially increased yields compared with those of the previous season. A major wind storm struck the area on July 1, but the soybean plots appeared to suffer little damage.

Franklin County: Planting was delayed by early season rainfall. Growing conditions during the remainder of the season were generally favorable, with timely moisture.

Labette County: Rainfall in May and June was well below normal, but excellent growing conditions in July and August produced 50 bu/acre yields by some entries.

Republic County: The Belleville test experienced severe drought stress in August and early September. Yields were depressed compared with results from the 1992 and 1993 trials, but yields of several entries exceeded 30 bu/acre. With irrigation, top yields were achieved at the Scandia site.

Harvey County: Rainfall amounts were well above average for the first 2 months after planting. Soybeans showed excellent yield potential through mid-August. Drought became increasingly severe from late August through September and caused premature termination of seed filling.

Stafford County: Hot, dry, and windy conditions prevailed throughout the season. Weed control was excellent this year, and yields were 8-10 bu/acre higher than those of last year.

Cherokee County: The soybean cyst nematode (SCN) population continued to be high at this site. Yields of susceptible varieties (e.g. Flyer, Essex, Stafford) continue to be about 40% lower than those of resistant entries. Yields at this location were slightly lower than those in the Labette test primarily because of a dry period during August.

Thomas County: Dry but good growing conditions existed at this site.

Finney County: Above average rainfall and near normal temperatures occurred during this growing season. Herbicide drift of Roundup/2,4-D once in July and again in August did result in some foliar damage, but yield levels were high.

TABLE 1. SUMMARY OF ENTRANTS AND ENTRIES IN PERFORMANCE TESTS.

ENTRANT	BRAND OR ENTRY	ENTRANT	BRAND OR ENTRY
Illinois A.E.S. and USDA-ARS	Fayette, Hamilton, Kunitz, Linford, Williams 82	Lewis Hybrids, Inc. P.O. Box 38 Urso, IL 62376	358, 370, 409, 472
Indiana A.E.S. and USDA-ARS	Probst	Merschman Seeds 103 Ave. D West Point, IA 52656	Atlanta III, Austin II, Dallas, Dallas II, Eisenhower III, Houston III, Norfolk, Roosevelt
Iowa A.E.S.	Kenwood	Midland Seeds Inc. Route 1, Box 126 Hope, KS 67451	8325, 8340, 8343, 8355, 8375, 8393, 8410, 8413, 8475, EXP372, EXP452, EXP491
Kansas A.E.S.	Crawford, Sparks, KS3494 (K1164), KS4390, KS4694 (K1191), KS5292, KS4895 (K1192), K1213 Exp, K1218 Exp, K1231 Exp, K1235 Exp, K1261 Exp, K1262 Exp	Midland Soybean Development Assoc. PO Box 379 Garden City, MO 64747	92-A, 92-B, 9345, 9435, 9447-A, 9447-B
Kentucky A.E.S.	KY88-5037 Exp	Midwest Seed Genetics Box 518 Carroll, IA 51401	G 3880
Maryland A.E.S.	Corsica, Manokin	Mycogen Plant Sciences 720 St. Croix Street Prescott, WI 54021	356, 395, AG439, 470
Mississippi A.E.S. and USDA-ARS	Forrest, Hartwig	NC+ Hybrids 3820 N. 56th, Box 4408 Lincoln, NE 68504	3A44, 3K84, 4A10, 4A27, 5A15, 5H61
Missouri A.E.S.	Avery, Delsoy 4210, Delsoy 4500, Delsoy 4710, Delsoy 4900	NeCo Seed Farms, Inc. P.O. Box 379 Garden City, MO 64747	1300, 7354, 7384, 7392, 7400, 7484
North Carolina A.E.S.	Holladay	Northrup King c/o P.O. Box 959 Minneapolis, MN 55440	S29-39, S30-06, S35-35, S39-41, S42-50, S42-60, S44-77, S46-44, S52-25
Ohio A.R.D.C. and USDA-ARS	Edison, Flyer, Stressland, Resnik, Sherman	Ohlde Seed Farms, Inc. Route 1, Box 63 Palmer, KS 66962	2650, 2770, 2829, 3000, 3214, 3250, 3272, 3431A, 3570 (X357), 3580, 3650, 3750A, 3820, 3870, 3900, 4040, 4120N, 4262N, 4367, 4440, 4510, 5020N, 5200N, X816, X2825, X2930, X3360, X3550
Virginia A.E.S.	Essex, Hutchinson, Stafford	Patriot Seed, Inc. 1411 N. Kickapoo Lincoln, IL 62656	333, 345, 350, 355, 360, 373, 395, 410, 488
AgriPro Bioscience, Inc. Route 2 Hwy 30 East Ames, IA 50010	AP 3727, AP 3800, AP 3990, AP 4100, AP 4510, AP 4880	Pioneer Hi-Bred Int., Inc. 1616 S. Kentucky, Ste. C-150 Amarillo, TX 79102	9341, 9362, 9381, 9391, 9393, 9394, 9411, 9491, 9521
Asgrow Seed Co. P.O. Box 460 Parkersburg, IA 50665	A3313, A3510, A3935, A4045, A4138, A4341, A4415, A4715, A5112	Pueblo Chemical & Supply 1103 Eric N. Kansas City, MO 64118	3303, 3368, 3400, 3410
Dekalb Plant Genetics 3100 Sycamore Rd. Dekalb, IL 60115	CX335, CX337, CX404, CX411, CX445, CX458, CX469c	Star Seed Inc. Box 504 Beloit, KS 67420	Celebrity, Classic, Express, Galaxy, Legacy
DeLange Seed P.O. Box 7 Girard, KS 66743	DS 390, DS 455, DS 464	Stine Seed Co. 2225 Laredo Trail Adel, IA 50003	3260, 3470, 3490, 3510, 3630, 3660, 3680, 4322CN, 4340, 4350, 4390, 4680 (Ex4550)
Delta and Pine Land Co. P.O. Box 157 Scott, MS 38772	DP 3375, DP 3456, DP 3478, DPX 3358, DPX 3381, DPX 3388, DPX 3391, DPX 3432	Taylor Seed Farms, Inc. Route 2, Box 27A White Cloud, KS 66094	350, 380, 399
Drussel Seed and Supply 2197 W. Parallel Rd. Garden City, KS 67846	DSS 3880, DSS 35203, DSS Exp 4358, DSS Exp 6353	Terra International, Inc. 600 Fourth Street Sioux City, IA 51101	TORCH, TS402, E461, E474, E4292, E4792
Fontanelle Hybrids Route 1, Box 18 Nickerson, NE 68044	6104, 6100, 5621	Wilson Seeds, Inc. P.O. Box 391 Harlan, IA 51537	3250, 4010
Great Lakes Hybrids 9915 W. M-21 Ovid, MI 48866	GL 3145, GL 3337, GL 3821	The J.C. Robinson Seed Co. 100 J.C. Robinson Blvd. Waterloo, NE 68069	H-1263, H-1302, H-1328, H-1353, H-1388, H-1407
Hamon Seed Farms Route 1, Box 71 Valley Falls, KS 66088-9725	374, 435, 490		
Hoegemeyer Hybrids Route 2, Box 126 Hooper, NE 68031	350, 365, 380, 401		
HyPerformer Seed Co. One Hy Crop Row Memphis, TN 38120	HSC 373, HSC 398, HSC 501, HY 351, HY 446, HY 458, HY 498		
ICI Seeds 6945 Vista Drive West Des Moines, IA 50266	D371, D396, D414, D454, EX4484		

TABLE 2. LOCATIONS, CULTURAL PRACTICES, AND RAINFALL FOR 1994 SOYBEAN PERFORMANCE TESTS.

ITEM	-----COUNTY: DRYLAND-----					-----COUNTY: IRRIGATED-----				
	BROWN	FRANKLIN	CHEROKEE	REPUBLIC	HARVEY	REPUBLIC	SHAWNEE	STAFFORD	FINNEY	THOMAS
Cooperator	B. Marsh (913) 474-3469	K. Janssen (913) 242-5616	J. Long (316) 421-4826	B. Gordon (913) 335-2836	M. Claassen (316) 327-2547	B. Gordon (913) 335-2836	L. Maddux (913) 354-7236	V. Martin (316) 549-3345	M. Witt (316) 276-8286	P. Evans (913) 462-6281
Station or field	Powhattan	Ottawa	Parsons	Belleville	Hesston	Scandia	Rossville	St. John	Garden City	Colby
Soil: Texture	Silty clay loam	Silt loam	Silt loam	Silt loam	Silt loam	Silt loam	Silt loam	Loamy fine sand	Silt loam	Silt loam
pH	6.3	6.1	7.0	6.5	6.4	6.8	7.3	6.8	8.0	7.5
Organic matter (%)	3.0	2.5	2.6	2.5	2.5	2.5	1.6	1.8	1.2	1.5
P test	M	--	M	VH	--	VH	M	H	--	M
K test	H	--	M	VH	--	VH	H	H	--	VH
Planting date	5/19 5/20	6/16	6/13	5/10	5/31	5/9	5/11	5/25	5/11	5/19
Herbicides* (per acre)	2.0 pt. Tref. 2/3 pt. Scept.	3.0 pt. Squad.	3.0 pt. Squad.	2.5 pt. Pur. Plus	1.5 pt. Dual 28 oz. Scep. 70 DG	2.5 pt. Pur. Plus	1 qt. Prowl 4 oz. Pur.	2 lb. Dual 4 oz. Pur.	1 qt. Tref.	1.5 pt. Tref.
Fertilizer (lbs/a)	none	none	10N,50P,50K	none	none	none	none	18N, 46P, 0K	none	45N, 7P
Test avg. (bu/a)										
MG II										
MG III	38.5 (7.2)**	44.9 (4.2)	45.8 (5.8)	31.6 (4.5)	20.2 (5.8)	70.9 (11.3)	61.8 (7.7)	50.0 (6.8)	56.7 (11.5)	68.1 (10.3)
MG IV	39.9 (5.2)	45.8 (4.6)	48.4 (5.4)	28.9 (8.1)	20.6 (6.0)	71.2 (8.4)	61.2 (6.9)	48.5 (7.5)	56.9 (13.2)	71.5 (6.1)
MG V		41.6 (6.0)	41.5 (8.6)							
Row length (ft)	25	30	15	25	25	25	14	30	20	20
Seeding rate (seeds/ft.)	8	8	8	8	10	10	8	10	10	9
Rows harvested	2	2	2	2	2	2	2	2	4	2
Rainfall (R) or Irrigation (I)	R	R	R	R	R	R I	R I	R I	R I	R I
April	4.43	9.71	13.62	1.76	4.74	2.14	4.09	3.35	2.47	3.93
May	3.14	1.24	1.31	1.08	0.39	0.98	1.30	0.56 3.1	2.41	0.68
June	3.80	5.07	1.39	7.11	4.74	7.34	6.78 1.13	0.52 6.1	3.32	3.45
July	3.98	3.51	6.74	5.79	8.43	6.04	2.60 2.19	4.27 3.9	3.92 4.00	5.63 6.00
August	1.34	4.93	4.37	0.50	1.34	0.69 6.00	7.56 4.66	1.03 4.8	2.47 4.00	0.53 6.00
September	<u>1.76</u>	<u>3.28</u>	<u>1.94</u>	<u>1.03</u>	<u>0.32</u>	<u>2.16 6.00</u>	<u>1.34 0.47</u>	<u>0.12 0.6</u>	<u>1.24 4.00</u>	<u>0.88 3.00</u>
Total	18.45	27.74	29.37	17.27	19.96	19.35 12.00	23.67 7.27	9.85 18.5	15.83 12.00	15.10 15.00

* Squad. = Squadron, Scep. = Sceptor, Tref. = Treflan, Pur. = Pursuit, and Las. = Lasso, DG = dry granules.

** Coefficient of variability

TABLE 3. BROWN COUNTY SOYBEAN PERFORMANCE (DRYLAND) at 1991-94, p://www.ksre.ksu.edu.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS II-III															
	KENWOOD	39.2	12.5	36.6	19.5	25.8	29.4	26.9	102	58	90	96	-19	1.0	28
STAR	CLASSIC	37.9	---	---	---	---	---	---	98	---	---	---	-16	1.0	28
WILSON	3250	38.1	21.5	---	---	29.8	---	---	99	100	---	---	-13	1.3	29
NORTHROP-KING	S30-06	39.2	20.1	---	---	29.7	---	---	102	93	---	---	-12	1.0	28
HOEGEMEYER	365	39.5	22.2	---	---	30.8	---	---	102	103	---	---	-12	1.0	28
DYNA-GRO	3303	44.5	---	---	---	---	---	---	115	---	---	---	-12	1.3	31
	KS3494 (K1164)	38.9	23.4	41.7	24.2	31.2	34.7	32.1	101	108	103	119	-11	1.3	31
OHLDE	X3360	37.7	---	---	---	---	---	---	98	---	---	---	-11	1.0	31
MIDLAND	8343	33.9	15.1	---	---	24.5	---	---	88	70	---	---	-11	1.0	37
	RESNIK	37.4	22.7	37.1	19.8	30.0	32.4	29.2	97	105	92	97	-10	1.0	31
DEKALB	CX335	35.8	---	---	---	---	---	---	93	---	---	---	-10	1.0	32
	PROBST	39.4	---	---	---	---	---	---	102	---	---	---	-10	1.0	31
GOLDEN HARVEST	H-1328	34.9	18.8	---	---	26.9	---	---	91	87	---	---	-9	1.0	26
STAR	CELEBRITY	33.4	19.9	---	---	26.7	---	---	87	92	---	---	-9	1.0	24
PATRIOT	333	36.4	---	---	---	---	---	---	95	---	---	---	-7	1.0	26
	KUNITZ	32.8	23.8	38.9	18.2	28.3	31.8	28.4	85	110	96	89	-7	1.0	35
DELTAPINE	DP 3375	38.0	23.1	40.6	---	30.5	33.9	---	99	107	100	---	-7	1.0	33
HOEGEMEYER	350	38.5	24.8	---	---	31.7	---	---	100	115	---	---	-7	1.0	26
	SHERMAN	35.4	20.8	44.0	19.4	28.1	33.4	29.9	92	96	109	95	-6	1.0	32
OHLDE	3820	37.4	---	---	---	---	---	---	97	---	---	---	-6	1.0	32
PIONEER	9362	39.9	---	---	---	---	---	---	103	---	---	---	-6	1.0	31
MIDLAND	8355	40.7	---	---	---	---	---	---	106	---	---	---	-6	1.0	26
MYCOGEN	356	33.4	---	---	---	---	---	---	87	---	---	---	-6	1.0	25
STINE	3660	37.7	---	---	---	---	---	---	98	---	---	---	-6	1.0	29
DELTAPINE	DPX 3358	36.6	---	---	---	---	---	---	95	---	---	---	-6	1.0	32
HYPERFORMER	HSC 373	37.1	---	---	---	---	---	---	96	---	---	---	-5	1.0	32
PATRIOT	355	40.2	---	---	---	---	---	---	104	---	---	---	-5	1.0	33
ASGROW	A3313	40.7	---	---	---	---	---	---	106	---	---	---	-5	1.0	28
	EDISON	39.1	23.7	41.1	18.9	31.4	34.6	30.7	101	110	101	93	-4	1.0	29
MERSCHMAN	ROOSEVELT	39.2	24.4	38.4	23.5	31.8	34.0	31.4	102	113	95	115	-4	1.0	33
FONTANELLE	5621	32.1	23.4	39.1	---	27.8	31.5	---	83	108	97	---	-4	1.0	39
HOEGEMEYER	380	38.5	24.1	---	---	31.3	---	---	100	112	---	---	-4	1.0	28
	3650	38.3	28.5	40.8	23.3	33.4	35.9	32.7	99	132	101	114	-4	1.0	31
OHLDE	X816	39.8	---	---	---	---	---	---	103	---	---	---	-4	1.0	30
OHLDE	3580	39.3	23.2	---	---	31.3	---	---	102	107	---	---	-4	1.0	30
DEKALB	CX377	39.1	---	---	---	---	---	---	102	---	---	---	-3	1.0	34
LEWIS	358	40.5	---	---	---	---	---	---	105	---	---	---	-3	1.0	31
DYNA-GRO	3368	42.2	---	---	---	---	---	---	110	---	---	---	-3	1.0	31
GOLDEN HARVEST	H-1353	37.3	20.7	45.7	---	29.0	34.6	---	97	96	113	---	-3	1.0	31
	LINFORD	34.2	26.1	36.9	17.8	30.1	32.4	28.7	89	121	91	87	-2	1.0	35
PATRIOT	345	40.8	---	---	---	---	---	---	106	---	---	---	-2	1.0	32
FONTANELLE	6100	38.2	23.2	46.5	---	30.7	36.0	---	99	107	115	---	-2	1.0	32
DELTAPINE	DPX 3388	37.1	---	---	---	---	---	---	96	---	---	---	-2	1.0	34
STAR	EXPRESS	43.2	16.7	42.5	21.9	29.9	34.1	31.1	112	77	105	107	-2	1.0	27
OHLDE	3570 (X357)	39.5	23.0	---	---	31.3	---	---	103	106	---	---	-1	1.0	30

(CONTINUED)

TABLE 3. BROWN COUNTY SOYBEAN PERFORMANCE (DRYLAND) 1991-94 (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
ASGROW	A3510	38.4	24.6	---	---	31.5	---	---	100	114	---	---	-1	1.0	29
NECO	7354	39.9	---	---	---	---	---	---	104	---	---	---	-1	1.0	28
HAMON	374	39.2	---	---	---	---	---	---	102	---	---	---	-1	1.0	29
OHLDE	X3550	41.7	---	---	---	---	---	---	108	---	---	---	-1	1.0	32
ICI	D396	35.4	---	---	---	---	---	---	92	---	---	---	-1	1.0	30
LEWIS	370	37.0	23.5	---	---	30.2	---	---	96	109	---	---	-1	1.0	29
FONTANELLE	6104	37.1	21.8	40.4	20.6	29.5	33.1	30.0	96	101	100	101	-1	1.0	32
ASGROW	A3935	35.6	26.2	46.0	20.0	30.9	35.9	32.0	92	121	114	98	-1	1.0	32
WILLCROSS	9435	41.9	---	---	---	---	---	---	109	---	---	---	-1	1.0	30
	FAYETTE	35.3	29.2	39.0	16.2	32.2	34.5	29.9	92	135	96	79	-1	1.0	40
PIONEER	9394	32.0	---	---	---	---	---	---	83	---	---	---	-1	1.0	37
OHLDE	3750A	40.8	21.0	41.0	23.2	30.9	34.3	31.5	106	97	101	114	0	1.0	36
DELTAPINE	DPX 3381	39.0	---	---	---	---	---	---	101	---	---	---	0	1.0	34
AGRIPRO	AP 3990	41.0	---	---	---	---	---	---	106	---	---	---	0	1.0	33
NORTHRUP-KING	S39-41	39.4	21.1	---	---	30.3	---	---	102	98	---	---	0	1.0	30
GOLDEN HARVEST	H-1388	42.9	16.6	---	---	29.7	---	---	111	77	---	---	0	1.0	33
OHLDE	3870	38.4	---	---	---	---	---	---	100	---	---	---	0	1.0	32
NECO	7392	42.0	---	---	---	---	---	---	109	---	---	---	0	1.0	29
WILLCROSS	92-B	36.2	---	---	---	---	---	---	94	---	---	---	0	1.0	30
TAYLOR	399	40.2	26.3	46.1	21.0	33.3	37.5	33.4	104	122	114	103	0	1.0	31
DELTAPINE	DPX 3391	39.0	---	---	---	---	---	---	101	---	---	---	0	1.0	32
HYPERFORMER	HSC 398	40.7	24.2	44.0	---	32.5	36.3	---	106	112	109	---	0	1.0	32
ICI	D371	44.7	20.1	41.6	---	32.4	35.5	---	116	93	103	---	0	1.0	31
HYPERFORMER	HY 351	37.6	19.0	---	---	28.3	---	---	98	88	---	---	0	1.0	32
WILLCROSS	92-A	45.6	23.5	45.9	---	34.5	38.3	---	118	109	113	---	1	1.0	31
NECO	7384	38.1	---	---	---	---	---	---	99	---	---	---	1	1.0	29
STAR	GALAXY	41.0	18.6	44.4	---	29.8	34.7	---	106	86	110	---	1	1.0	29
OHLDE	3900	38.4	17.6	---	---	28.0	---	---	100	81	---	---	1	1.0	33
	WILLIAMS 82	32.0	27.0	42.2	17.8	29.5	33.7	29.7	83	125	104	87	1	1.0	37
MERSCHMAN	EISENHOWER III	40.1	18.7	---	---	29.4	---	---	104	87	---	---	1	1.3	31
HAMON	490	39.8	24.4	39.9	23.6	32.1	34.7	31.9	103	113	99	116	2	1.3	31
MIDLAND	8393	37.7	25.3	---	---	31.5	---	---	98	117	---	---	2	1.0	36
MIDWEST GEN.	G 3880	42.2	---	---	---	---	---	---	110	---	---	---	2	1.0	30
TAYLOR	380	39.8	---	---	---	---	---	---	103	---	---	---	3	1.0	30

TEST AVERAGES 38.5 21.6 40.5 20.4

LSD (.1-1994, .05-'91 TO '93) 3.9 5.2 4.1 3.5

(CONTINUED)

TABLE 3. BROWN COUNTY SOYBEAN PERFORMANCE (DRYLAND) in 1991-94. (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUP IV															
	HAMILTON	39.4	16.6	---	---	28.0	---	---	99	78	---	---	-7	1.0	32
	CORSICA	37.1	19.8	39.4	24.6	28.5	32.1	30.2	93	93	86	111	-7	1.0	30
DYNA-GRO	3400	42.7	---	---	---	---	---	---	107	---	---	---	-2	1.0	33
HOEGEMEYER	401	40.6	19.2	51.0	---	29.9	36.9	---	102	90	111	---	-1	1.0	33
AGRIPRO	AP 4100	42.4	---	---	---	---	---	---	106	---	---	---	-1	1.0	36
STINE	3490	37.9	---	---	---	---	---	---	95	---	---	---	-1	1.0	35
PIONEER	9411	41.2	---	---	---	---	---	---	103	---	---	---	-1	1.0	37
NC+	4A10	40.0	21.9	---	---	30.9	---	---	100	102	---	---	-1	1.0	31
	FLYER	37.8	22.2	43.1	22.8	30.0	34.4	31.5	95	104	94	103	9/21	1.0	32
MERSCHMAN	NORFOLK	41.1	23.3	49.0	26.2	32.2	37.8	34.9	103	109	107	119	0	1.0	31
NORTHROP-KING	S44-77	39.8	24.9	45.6	24.9	32.4	36.8	33.8	100	116	99	113	0	1.3	36
WILSON	4010	43.9	22.9	50.3	---	33.4	39.0	---	110	107	110	---	0	1.0	33
OHLDE	4040	38.8	22.3	49.5	23.0	30.6	36.9	33.4	97	104	108	104	0	1.0	33
NORTHROP-KING	S42-60	41.5	25.0	---	---	33.2	---	---	104	117	---	---	1	1.0	33
ASGROW	A4045	38.2	---	---	---	---	---	---	96	---	---	---	1	1.0	36
	STRESSLAND	40.4	---	---	---	---	---	---	101	---	---	---	1	1.0	33
MIDLAND	8410	46.8	21.4	48.7	23.5	34.1	39.0	35.1	117	100	106	106	1	1.0	34
	K1231 EXP	39.5	27.0	---	---	33.2	---	---	99	126	---	---	2	1.0	33
GOLDEN HARVEST	H-1407	44.3	19.9	49.7	25.1	32.1	38.0	34.8	111	93	108	114	3	1.0	32
	DELISOY 4210	35.1	21.1	43.1	17.0	28.1	33.1	29.1	88	99	94	77	3	1.3	38
	K1213 EXP	38.9	21.0	44.8	---	29.9	34.9	---	97	98	98	---	3	1.0	34
OHLDE	4367	40.3	---	---	---	---	---	---	101	---	---	---	3	1.0	35
MIDLAND	8413	42.7	---	---	---	---	---	---	107	---	---	---	4	1.0	33
	K1262 EXP	35.7	---	---	---	---	---	---	90	---	---	---	4	1.0	34
ICI	D414	39.9	---	---	---	---	---	---	100	---	---	---	4	1.0	35
NORTHROP-KING	S42-50	43.0	26.7	48.9	24.5	34.9	39.5	35.8	108	125	107	111	4	1.0	38
DEKALB	CX411	41.9	---	---	---	---	---	---	105	---	---	---	4	1.0	30
	KS4390	35.9	11.5	44.5	22.9	23.7	30.6	28.7	90	54	97	104	5	1.0	35
HYPERFORMER	HY 446	38.8	22.8	---	---	30.8	---	---	97	107	---	---	6	1.0	38
AGRIPRO	AP 4510	38.5	---	---	---	---	---	---	97	---	---	---	6	1.0	35
MERSCHMAN	AUSTIN II	35.2	---	---	---	---	---	---	88	---	---	---	6	1.3	42
	K1261 EXP	36.1	---	---	---	---	---	---	90	---	---	---	7	1.0	36
	K1235 EXP	46.4	25.5	---	---	35.9	---	---	116	119	---	---	7	1.0	33
OHLDE	4440	44.1	---	---	---	---	---	---	111	---	---	---	8	1.3	37
	DELISOY 4500	38.2	19.6	41.5	20.3	28.9	33.1	29.9	96	92	90	92	8	1.3	38
	KY88-5037	38.2	---	---	---	---	---	---	96	---	---	---	9	1.0	39
MERSCHMAN	ATLANTA III	39.6	---	---	---	---	---	---	99	---	---	---	10	1.0	34
	KS4694 (K1191)	38.4	24.7	47.4	20.3	31.5	36.8	32.7	96	115	103	92	10	1.0	33
MERSCHMAN	DALLAS	35.1	---	---	---	---	---	---	88	---	---	---	12	1.7	44
MERSCHMAN	DALLAS II	39.7	---	---	---	---	---	---	100	---	---	---	13	1.0	32
TEST AVERAGES		39.9	21.4	45.9	22.1										
LSD (.1-1994, .05-'91 TO '93)		2.9	2.8	3.2	3.7										
LSD (.1- BETWEEN MATURITY GROUPS)		4.0													

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 4. SHAWNEE COUNTY SOYBEAN PERFORMANCE (IRRIGATED) 1991-94

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS II-III															
HOEGEMEYER	KENWOOD	59.3	44.3	49.7	60.7	51.8	51.1	53.5	96	92	89	89	-14	2.3	36
	365	63.4	43.0	---	---	53.2	---	---	103	89	---	---	-7	1.5	37
	PROBST	57.3	---	---	---	---	---	---	93	---	---	---	-6	2.0	41
MYCOGEN	356	61.8	---	---	---	---	---	---	100	---	---	---	-6	1.0	35
	350	59.9	54.2	---	---	57.0	---	---	97	112	---	---	-6	1.5	40
STINE	3660	67.1	---	---	---	---	---	---	109	---	---	---	-5	1.3	39
PIONEER	9362	75.6	---	---	---	---	---	---	122	---	---	---	-5	1.0	39
OHLDE	X3360	59.8	---	---	---	---	---	---	97	---	---	---	-5	1.8	40
HOEGEMEYER	350	64.7	38.1	---	---	51.4	---	---	105	79	---	---	-5	1.0	36
HYPERFORMER	HY 351	58.4	---	---	---	---	---	---	94	---	---	---	-5	1.5	45
HYPERFORMER	HSC 373	61.8	---	---	---	---	---	---	100	---	---	---	-5	1.2	43
STAR	CELEBRITY	60.8	48.6	---	---	54.7	---	---	98	101	---	---	-5	1.0	34
	KS3494 (K1164)	61.1	53.9	49.5	68.5	57.5	54.8	58.2	99	112	89	100	-5	1.8	41
MIDLAND	8340	69.0	34.3	57.0	75.8	51.7	53.5	59.0	112	71	102	111	-4	1.7	42
MIDLAND	8343	63.5	37.8	61.0	---	50.6	54.1	---	103	78	109	---	-4	2.0	48
	RESNIK	54.7	37.5	52.0	68.9	46.1	48.1	53.3	89	78	93	101	-4	1.2	35
	SHERMAN	55.4	60.3	58.2	71.3	57.9	58.0	61.3	90	125	104	104	-4	2.0	41
OHLDE	3820	59.4	---	---	---	---	---	---	96	---	---	---	-3	1.8	44
LEWIS	370	64.6	51.4	---	---	58.0	---	---	105	107	---	---	-3	1.8	45
MIDLAND	8355	54.2	---	---	---	---	---	---	88	---	---	---	-3	1.0	28
MIDLAND	8375	57.9	---	---	---	---	---	---	94	---	---	---	-3	1.3	33
NORTHROP-KING	S29-39	70.9	50.3	49.0	---	60.6	56.7	---	115	104	88	---	-3	1.7	37
NECO	7354	52.8	---	---	---	---	---	---	85	---	---	---	-3	1.2	36
STAR	EXPRESS	63.4	44.2	56.2	71.7	53.8	54.6	58.9	103	92	101	105	-3	1.7	36
OHLDE	3570 (X357)	59.5	54.8	---	---	57.2	---	---	96	114	---	---	-3	1.7	43
DEKALB	CX377	61.2	---	---	---	---	---	---	99	---	---	---	-2	1.3	43
WILLCROSS	9435	62.2	---	---	---	---	---	---	101	---	---	---	-2	1.0	36
OHLDE	X816	62.3	---	---	---	---	---	---	101	---	---	---	-2	1.8	38
	FAYETTE	54.6	46.4	51.6	55.4	50.5	50.9	52.0	88	96	92	81	-2	2.2	48
	KUNITZ	56.4	47.7	48.8	---	52.0	51.0	---	91	99	87	---	-2	2.3	47
ASGROW	A3510	58.1	55.9	---	---	57.0	---	---	94	116	---	---	-2	1.2	41
DELTAPINE	DP 3375	60.3	50.9	58.3	---	55.6	56.5	---	98	106	104	---	-2	1.3	42
MERSCHMAN	ROOSEVELT	63.4	48.1	57.7	66.2	55.8	56.4	58.9	103	100	103	97	-2	1.8	40
GOLDEN HARVEST	H-1353	66.2	42.1	61.9	---	54.1	56.7	---	107	87	111	---	-2	2.0	42
	EDISON	61.8	35.3	53.9	66.9	48.5	50.3	54.5	100	73	97	98	-1	1.7	39
HOEGEMEYER	380	61.9	54.8	64.3	---	58.3	60.3	---	100	114	115	---	-1	1.8	40
PATRIOT	350	63.5	---	---	---	---	---	---	103	---	---	---	-1	1.3	42
OHLDE	3750A	60.5	41.4	61.0	74.2	50.9	54.3	59.3	98	86	109	108	-1	2.3	48
MYCOGEN	395	65.1	---	---	---	---	---	---	105	---	---	---	-1	1.7	42
ICI	D371	65.0	48.4	60.8	---	56.7	58.0	---	105	100	109	---	-1	1.7	40
OHLDE	3580	68.3	47.7	---	---	58.0	---	---	111	99	---	---	-1	1.7	39
ASGROW	A3313	60.0	---	---	---	---	---	---	97	---	---	---	-1	1.2	38
OHLDE	3900	65.7	50.3	---	---	58.0	---	---	106	105	---	---	0	1.5	45
	LINFORD	61.6	47.2	53.4	56.9	54.4	54.1	54.8	100	98	96	83	0	2.0	46
DYNA-GRO	3368	67.9	---	---	---	---	---	---	110	---	---	---	0	1.3	41
MERSCHMAN	EISENHOWER III	60.2	51.4	---	---	55.8	---	---	97	107	---	---	0	1.7	42
WILLCROSS	92-A	60.7	50.8	55.2	---	55.8	55.6	---	98	106	99	---	0	2.0	44
NECO	7384	63.6	---	---	---	---	---	---	103	---	---	---	0	1.7	39
PATRIOT	360	64.4	---	---	---	---	---	---	104	---	---	---	0	1.8	43
PIONEER	9393	64.1	---	---	---	---	---	---	104	---	---	---	0	1.5	40

(CONTINUED)

TABLE 4. SHAWNEE COUNTY SOYBEAN PERFORMANCE (IRRIGATED) FOR 1991-94 (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT.	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
PIONEER	9394	59.9	---	---	---	---	---	---	97	---	---	---	1	1.5	44
ICI	D396	61.7	---	---	---	---	---	---	100	---	---	---	1	1.7	41
OHLDE	X3550	65.5	---	---	---	---	---	---	106	---	---	---	1	1.5	38
HYPERFORMER	HSC 398	60.4	56.8	62.5	---	58.6	59.9	---	98	118	112	---	2	1.5	40
HAMON	490	59.0	55.5	56.3	---	57.2	56.9	---	95	115	101	---	2	1.3	40
WILLCROSS	92-B	60.9	---	---	---	---	---	---	99	---	---	---	2	1.3	41
NECO	7392	61.9	---	---	---	---	---	---	100	---	---	---	2	1.5	40
OHLDE	3870	60.8	---	---	---	---	---	---	98	---	---	---	2	1.7	42
PATRIOT	373	65.6	---	---	---	---	---	---	106	---	---	---	2	1.7	40
STAR	GALAXY	62.5	49.9	60.5	---	56.2	57.7	---	101	104	108	---	3	1.5	41
GOLDEN HARVEST	H-1388	63.1	---	---	---	---	---	---	102	---	---	---	3	1.7	42
	WILLIAMS 82	53.1	53.2	54.1	54.5	53.2	53.5	53.7	86	111	97	80	3	1.7	48
MIDLAND	8393	63.1	---	55.1	---	---	---	---	102	---	99	---	4	2.5	44
TEST AVERAGES		61.8	48.1	55.8	68.4										
LSD (.1-1994, .05-'91 TO '93)		6.7	8.0	9.7	10.3										
MATURITY GROUP IV															
	CORSICA	65.6	45.3	54.6	63.4	55.4	55.2	57.2	107	85	87	97	-3	1.8	43
	K1231 EXP	57.9	53.7	---	---	55.8	---	---	94	101	---	---	-1	1.5	41
	HAMILTON	60.9	57.3	---	---	59.1	---	---	99	107	---	---	-1	1.5	42
HOEGEMEYER	401	58.4	58.6	70.7	66.7	58.5	62.5	63.6	95	110	112	102	-1	1.5	40
	FLYER	57.6	53.1	63.8	63.4	55.3	58.2	59.5	94	100	101	97	9/18	1.3	43
PIONEER	9411	61.0	---	---	---	---	---	---	100	---	---	---	0	2.0	45
MERSCHMAN	NORFOLK	60.9	54.0	63.1	71.9	57.4	59.3	62.5	99	101	100	110	0	1.7	48
STINE	3490	66.0	59.8	---	---	62.9	---	---	108	112	---	---	0	1.5	42
DYNA-GRO	3400	58.9	---	---	---	---	---	---	96	---	---	---	1	1.3	41
LEWIS	409	69.1	59.0	---	---	64.0	---	---	113	111	---	---	1	1.3	42
OHLDE	4040	62.5	---	---	---	---	---	---	102	---	---	---	1	1.5	43
DYNA-GRO	3410	72.0	---	---	---	---	---	---	118	---	---	---	1	1.5	46
MIDLAND	8410	65.4	53.2	65.4	66.1	59.3	61.3	62.5	107	100	104	101	2	1.7	42
NC+	4A10	66.8	61.6	65.6	---	64.2	64.7	---	109	115	104	---	2	2.3	43
DEKALB	CX404	59.9	60.9	66.1	---	60.4	62.3	---	98	114	105	---	2	1.5	37
	K1213 EXP	55.1	55.6	58.4	---	55.3	56.3	---	90	104	93	---	2	2.0	45
ASGROW	A4045	60.5	---	---	---	---	---	---	99	---	---	---	3	1.7	42
NORTHROP-KING	S42-60	72.9	---	---	---	---	---	---	119	---	---	---	3	1.8	42
DEKALB	CX411	69.8	---	---	---	---	---	---	114	---	---	---	3	1.2	41
HAMON	435	57.1	---	---	---	---	---	---	93	---	---	---	3	1.3	45
GOLDEN HARVEST	H-1407	58.4	---	61.0	71.3	---	---	---	95	---	97	109	3	1.7	41
NECO	7400	57.8	---	---	---	---	---	---	94	---	---	---	4	1.8	43
STAR	LEGACY	56.6	51.7	---	---	54.1	---	---	92	97	---	---	4	1.5	45
	K1262 EXP	63.5	---	---	---	---	---	---	104	---	---	---	4	1.7	49
HYPERFORMER	HY 446	64.3	64.0	---	---	64.1	---	---	105	120	---	---	5	1.7	47
	DELISOY 4210	58.6	54.0	62.7	60.6	56.3	58.4	59.0	96	101	100	93	6	2.0	47
NC+	4A27	61.1	---	---	---	---	---	---	100	---	---	---	6	2.2	45
MIDLAND	8413	61.9	55.1	---	---	58.5	---	---	101	103	---	---	6	2.0	47
	KS4390	62.1	42.8	60.0	67.9	52.5	55.0	58.2	101	80	95	104	7	1.5	47
	STRESSLAND	57.5	---	---	---	---	---	---	94	---	---	---	8	1.7	45
DEKALB	CX445	55.9	---	---	---	---	---	---	91	---	---	---	8	1.5	39
	K1261 EXP	55.1	---	---	---	---	---	---	90	---	---	---	9	1.5	46
	DELISOY 4500	51.9	48.0	54.0	59.9	49.9	51.3	53.4	85	90	86	92	10	1.8	46

(CONTINUED)

TABLE 4. SHAWNEE COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1991-94. (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT.	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MERSCHMAN	AUSTIN II	57.8	---	---	---	---	---	---	94	---	---	---	10	1.5	44
	K1235 EXP	58.2	60.2	---	---	59.2	---	---	95	113	---	---	11	2.2	44
	KY88-5037	61.5	---	---	---	---	---	---	100	---	---	---	11	2.0	49
MERSCHMAN	DALLAS II	59.2	---	---	---	---	---	---	97	---	---	---	11	1.3	40
	KS4694 (K1191)	59.6	57.9	69.5	76.3	58.7	62.3	65.8	97	109	110	117	11	2.0	47
STINE	4340	62.4	63.7	---	---	63.0	---	---	102	119	---	---	11	1.8	47
LEWIS	472	62.4	---	---	---	---	---	---	102	---	---	---	11	1.3	48
MERSCHMAN	DALLAS	54.7	---	---	59.4	---	---	---	89	---	---	91	12	2.2	52
MERSCHMAN	ATLANTA III	73.2	---	---	---	---	---	---	120	---	---	---	14	1.8	48
TEST AVERAGES		61.2	53.3	63.0	65.4										
LSD (.1-1994, .05-'91 TO '93)		5.9	8.9	9.6	6.3										

LSD (.1- BETWEEN MATURITY GROUPS) 7.1

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 5. FRANKLIN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1991-94.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT.	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS II-III															
	KENWOOD	37.5	27.8	41.0	7.1	32.6	35.4	28.3	84	86	91	46	-8	1.0	31
HOEGEMEYER	365	49.2	33.1	---	---	41.2	---	---	110	102	---	---	-6	1.0	27
OHLEDE	X3360	45.6	---	---	---	---	---	---	102	---	---	---	-6	1.0	28
NORTHROP-KING	S30-06	43.8	32.9	---	---	38.4	---	---	98	102	---	---	-5	1.0	27
DELTAPINE	DPX 3358	43.7	---	---	---	---	---	---	97	---	---	---	-4	1.0	30
HOEGEMEYER	350	41.0	31.8	---	---	36.4	---	---	91	98	---	---	-3	1.0	24
	PROBST	45.5	---	---	---	---	---	---	101	---	---	---	-3	1.0	27
	KS3494 (K1164)	43.8	31.6	45.8	14.4	37.7	40.4	33.9	98	98	101	94	-3	1.0	30
DYNA-GRO	3368	45.9	---	---	---	---	---	---	102	---	---	---	-3	1.0	29
	RESNIK	42.7	30.8	41.6	13.0	36.7	38.4	32.0	95	95	92	85	-3	1.0	28
HOEGEMEYER	380	47.8	33.3	45.4	---	40.6	42.2	---	107	103	100	---	-3	1.0	29
MIDLAND	8355	45.3	---	---	---	---	---	---	101	---	---	---	-3	1.0	29
OHLEDE	X816	46.9	---	---	---	---	---	---	105	---	---	---	-3	1.0	29
TERRA	TORCH	47.7	---	---	---	---	---	---	106	---	---	---	-3	1.0	29
DELTAPINE	DP 3375	42.8	30.0	45.7	---	36.4	39.5	---	95	93	101	---	-3	1.0	30
STAR	CELEBRITY	36.7	29.4	---	---	33.1	---	---	82	91	---	---	-3	1.0	23
	KUNITZ	41.4	30.3	37.8	11.2	35.8	36.5	30.2	92	94	84	73	-3	1.0	32
NECO	7384	44.7	---	---	---	---	---	---	100	---	---	---	-3	1.0	28
DELTAPINE	DPX 3381	46.2	---	---	---	---	---	---	103	---	---	---	-3	1.0	32
OHLEDE	X3550	47.2	---	---	---	---	---	---	105	---	---	---	-3	1.0	32
OHLEDE	3580	45.0	32.4	---	---	38.7	---	---	100	100	---	---	-3	1.0	29
OHLEDE	3820	44.4	---	---	---	---	---	---	99	---	---	---	-3	1.0	34
	SHERMAN	48.4	35.5	46.9	9.7	41.9	43.6	35.1	108	110	104	63	-2	1.0	27
OHLEDE	3650	49.2	32.4	45.5	18.0	40.8	42.4	36.3	110	100	101	118	-2	1.0	29
PIONEER	9394	40.4	---	---	---	---	---	---	90	---	---	---	-2	1.0	34

(CONTINUED)

TABLE 5. FRANKLIN COUNTY SOYBEAN PERFORMANCE (DRYLAND) 1991-94 (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
STAR	EXPRESS	44.0	32.4	42.9	19.8	38.2	39.8	34.8	98	100	95	129	-2	1.0	24
FONTANELLE	6100	47.6	32.8	49.1	---	40.2	43.2	---	106	101	109	---	-2	1.0	32
STINE	3470	47.7	---	---	---	---	---	---	106	---	---	---	-2	1.0	25
OHLDE	3570 (X357)	43.2	31.8	---	---	37.5	---	---	96	98	---	---	-2	1.0	30
DEKALB	CX377	44.1	---	---	---	---	---	---	98	---	---	---	-2	1.0	32
	EDISON	45.4	34.0	42.5	12.6	39.7	40.7	33.6	101	105	94	82	-2	1.0	28
ASGROW	A3510	47.2	35.9	---	---	41.6	---	---	105	111	---	---	-2	1.0	30
MIDLAND	8343	42.7	32.4	45.1	---	37.6	40.1	---	95	100	100	---	-2	1.0	36
DELTAPINE	DPX 3388	48.1	---	---	---	---	---	---	107	---	---	---	-2	1.0	33
	OHLDE	3900	44.8	32.2	---	---	38.5	---	100	100	---	---	-1	1.0	32
NORTHROP-KING	S39-41	42.5	36.7	---	---	39.6	---	---	95	113	---	---	-1	1.0	30
MYCOGEN	AG439	42.8	33.6	---	---	38.2	---	---	95	104	---	---	-1	1.0	30
MERSCHMAN	EISENHOWER III	48.6	33.5	---	---	41.0	---	---	108	103	---	---	-1	1.0	32
TAYLOR	399	48.7	32.6	48.8	18.6	40.6	43.4	37.2	109	101	108	122	-1	1.0	31
DELTAPINE	DPX 3391	44.2	---	---	---	---	---	---	98	---	---	---	-1	1.0	32
DELANGE	DS 390	42.8	31.7	48.8	15.9	37.2	41.1	34.8	95	98	108	104	-1	1.0	33
	WILLIAMS 82	44.4	32.4	41.0	16.8	38.4	39.3	33.7	99	100	91	110	-1	1.0	36
WILLCROSS	92-B	47.8	---	---	---	---	---	---	107	---	---	---	-1	1.0	32
MERSCHMAN	ROOSEVELT	41.8	30.8	48.6	18.6	36.3	40.4	35.0	93	95	108	122	-1	1.0	31
NECO	7392	49.8	---	---	---	---	---	---	111	---	---	---	-1	1.0	31
MIDLAND	8393	46.1	32.8	47.6	---	39.5	42.2	---	103	101	105	---	-1	1.0	35
OHLDE	3870	47.5	---	---	---	---	---	---	106	---	---	---	-1	1.0	31
ICI	D396	44.4	---	---	---	---	---	---	99	---	---	---	0	1.0	32
OHLDE	3750A	42.0	34.0	46.7	15.3	38.0	40.9	34.5	94	105	103	100	0	1.0	34
WILLCROSS	92-A	44.2	33.1	51.9	---	38.6	43.0	---	99	102	115	---	0	1.0	31
PATRIOT	395	46.3	---	---	---	---	---	---	103	---	---	---	0	1.0	29
	FAYETTE	42.4	31.6	45.1	---	37.0	39.7	---	95	98	100	---	0	1.0	36
STAR	GALAXY	48.3	33.5	47.6	---	40.9	43.1	---	108	104	105	---	0	1.0	30
	LINFORD	42.6	30.8	41.4	---	36.7	38.3	---	95	95	92	---	0	1.0	37
FONTANELLE	6104	42.3	34.3	45.6	---	38.3	40.7	---	94	106	101	---	0	1.0	28
TEST AVERAGES		44.9	32.4	45.2	15.3										
LSD (.1-1994, .05-'91 TO '93)		2.7	2.7	3.3	5.4										
MATURITY GROUP IV															
OHLDE	4262N	47.6	---	---	---	---	---	---	104	---	---	---	-2	1.0	31
	CORSICA	45.1	26.5	44.3	17.3	35.8	38.6	33.3	98	93	95	94	-2	1.0	31
TERRA	TS402	49.5	30.0	48.6	---	39.8	42.7	---	108	105	104	---	-2	1.0	30
NORTHROP-KING	S44-77	43.4	32.0	42.7	20.5	37.7	39.3	34.6	95	112	92	111	-2	1.0	38
NC+	4A10	49.4	30.0	48.6	16.3	39.7	42.7	36.1	108	105	104	89	-1	1.0	31
DYNA-GRO	3400	49.2	---	---	---	---	---	---	107	---	---	---	-1	1.0	31
TERRA	E4292	43.7	27.9	---	---	35.8	---	---	95	98	---	---	-1	1.0	32
DYNA-GRO	3410	46.6	---	---	---	---	---	---	102	---	---	---	-1	1.0	33
STINE	3490	41.0	---	---	---	---	---	---	89	---	---	---	-1	1.0	32
OHLDE	4040	48.3	26.7	48.1	20.1	37.5	41.0	35.8	105	93	103	109	-1	1.0	32
PIONEER	9411	44.8	---	---	---	---	---	---	98	---	---	---	-1	1.0	33
MIDLAND	8410	48.3	28.4	49.5	19.0	38.4	42.1	36.3	105	99	106	103	0	1.0	32
HOEGEMEYER	401	47.5	29.3	50.6	17.3	38.4	42.5	36.2	104	102	109	94	0	1.0	31
MERSCHMAN	NORFOLK	50.4	27.9	48.9	19.8	39.1	42.4	36.7	110	98	105	108	0	1.0	32
DEKALB	CX404	47.9	27.2	48.9	---	37.6	41.3	---	105	95	105	---	0	1.0	32
	KS4390	43.5	26.2	41.5	15.8	34.8	37.1	31.7	95	92	89	86	0	1.0	36

(CONTINUED)

TABLE 5. FRANKLIN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1991-94. (CONTINUED)

BRAND	ENTRY	YIELD							YIELD AS % OF				MAT.	LODGING	HT.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	TEST AVERAGE						
		(Bu/A)							1994	1993	1992	1991	-----1994-----		IN.
NORTHROP-KING	S42-60	48.4	---	---	---	---	---	---	106	---	---	---	0	1.0	34
	FLYER	43.8	26.5	45.6	16.4	35.1	38.6	33.1	96	93	98	89	10/4	1.0	30
MERSCHMAN	AUSTIN II	46.1	26.7	---	---	36.4	---	---	101	93	---	---	1	1.0	41
NORTHROP-KING	S42-50	43.8	31.8	47.7	20.7	37.8	41.1	36.0	96	111	102	113	1	1.0	32
STAR	LEGACY	43.6	29.3	---	---	36.4	---	---	95	103	---	---	1	1.0	30
NECO	7400	44.9	---	---	---	---	---	---	98	---	---	---	1	1.0	30
DELTAPINE	DPX 3432	46.8	---	---	---	---	---	---	102	---	---	---	1	1.0	34
ICI	D414	43.7	---	---	---	---	---	---	95	---	---	---	1	1.0	37
ASGROW	A4415	44.6	29.3	---	---	37.0	---	---	97	103	---	---	1	1.0	40
	DELISOY 4210	42.1	27.8	42.6	20.3	34.9	37.5	33.2	92	97	91	110	2	1.0	38
DEKALB	CX445	46.1	---	---	---	---	---	---	101	---	---	---	2	1.0	38
	HAMILTON	43.9	30.0	44.6	---	36.9	39.5	---	96	105	96	---	2	1.0	28
STINE	4340	48.4	---	---	---	---	---	---	106	---	---	---	2	1.0	36
	STRESSLAND	41.6	---	---	---	---	---	---	91	---	---	---	2	1.0	37
PATRIOT	410	43.6	---	---	---	---	---	---	95	---	---	---	2	1.0	33
	K1213 EXP	45.3	30.6	49.5	---	37.9	41.8	---	99	107	106	---	2	1.0	32
	K1262 EXP	45.6	---	---	---	---	---	---	100	---	---	---	2	1.0	34
ASGROW	A4341	48.5	---	---	---	---	---	---	106	---	---	---	2	1.0	30
MIDLAND	8413	49.1	30.0	53.9	---	39.5	44.3	---	107	105	116	---	2	1.0	30
	DELISOY 4500	41.4	26.4	43.9	---	33.9	37.2	---	90	92	94	---	3	1.0	38
DELTAPINE	DP 3478	44.6	31.9	---	---	38.2	---	---	97	111	---	---	3	1.0	36
PATRIOT	488	47.3	---	---	---	---	---	---	103	---	---	---	3	1.0	38
PIONEER	9491	44.2	---	---	---	---	---	---	96	---	---	---	3	1.0	31
DELANGE	DS 455	41.7	---	---	---	---	---	---	91	---	---	---	3	1.0	36
MYCOGEN	470	46.7	---	---	---	---	---	---	102	---	---	---	3	1.0	38
NECO	1300	42.8	---	---	---	---	---	---	93	---	---	---	3	1.0	39
OHLDE	4510	48.2	30.6	52.1	18.1	39.4	43.6	37.3	105	107	112	98	4	1.0	35
OHLDE	4367	43.7	---	---	---	---	---	---	95	---	---	---	4	1.0	36
DELTAPINE	DP 3456	47.7	28.6	47.6	20.4	38.1	41.3	36.1	104	100	102	111	4	1.0	32
WILLCROSS	9447-A	45.0	---	---	---	---	---	---	98	---	---	---	4	1.0	39
LEWIS	472	46.8	---	---	---	---	---	---	102	---	---	---	4	1.0	38
NECO	7484	46.9	---	---	---	---	---	---	102	---	---	---	4	1.0	37
OHLDE	4440	49.9	33.2	---	---	41.5	---	---	109	116	---	---	4	1.0	38
WILLCROSS	9447-B	49.7	---	---	---	---	---	---	109	---	---	---	4	1.0	37
WILLCROSS	9345	44.2	---	---	---	---	---	---	97	---	---	---	5	1.0	40
	K1235 EXP	49.8	33.2	---	---	41.5	---	---	109	116	---	---	5	1.0	31
	K1231 EXP	47.2	30.5	---	---	38.8	---	---	103	107	---	---	5	1.0	31
ASGROW	A4715	43.3	29.1	45.9	22.3	36.2	39.4	35.1	94	102	98	121	5	1.0	36
	KS4694 (K1191)	49.8	29.6	47.6	---	39.7	42.3	---	109	103	102	---	5	1.0	32
DELANGE	DS 464	37.5	---	---	---	---	---	---	82	---	---	---	5	1.0	43
	KY88-5037	45.0	---	---	---	---	---	---	98	---	---	---	5	1.0	40
MERSCHMAN	DALLAS	46.1	24.1	46.5	18.0	35.1	38.9	33.7	101	84	100	98	5	1.0	44
MIDLAND	8475	45.8	---	---	---	---	---	---	100	---	---	---	6	1.0	35
	K1261 EXP	45.6	---	---	---	---	---	---	99	---	---	---	6	1.0	34
MERSCHMAN	DALLAS II	47.1	28.9	---	---	38.0	---	---	103	101	---	---	6	1.0	30
	CRAWFORD	39.4	25.3	40.4	20.3	32.4	35.0	31.4	86	88	87	110	7	1.0	42
MERSCHMAN	ATLANTA III	51.2	30.4	---	---	40.8	---	---	112	106	---	---	7	1.0	37
STINE	4680 (EX4550 E	48.6	29.5	---	---	39.1	---	---	106	103	---	---	8	1.0	36
MIDLAND	EXP491	44.6	---	---	---	---	---	---	97	---	---	---	8	1.0	38

TEST AVERAGES 45.8 28.6 46.6 18.4
 LSD (.1-1994, .05-'91 TO '93) 3.0 2.7 3.4 3.7

(CONTINUED)

TABLE 5. FRANKLIN COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1991-94. (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. SCORE	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS IVS-V															
	DELLOY 4710	45.3	27.8	---	---	36.5	---	---	109	107	---	---	8	1.0	44
	KS4895 (K1192)	44.6	31.3	41.6	---	37.9	39.1	---	107	120	109	---	9	1.0	38
	HOLLADAY	46.2	27.0	---	---	36.6	---	---	111	104	---	---	13	1.3	35
	K1218 EXP	44.7	29.4	46.6	---	37.0	40.2	---	107	113	122	---	13	1.0	34
	STAFFORD	45.3	28.6	43.5	25.6	36.9	39.1	35.7	109	110	114	106	15	1.3	39
	ESSEX	42.2	25.0	36.3	23.6	33.6	34.5	31.8	101	96	95	98	15	1.3	37
	MANOKIN	41.2	28.1	40.9	22.6	34.7	36.7	33.2	99	108	107	94	15	2.0	42
	AVERY	38.1	23.1	36.8	---	30.6	32.7	---	92	89	96	---	17	1.3	49
	DELLOY 4900	37.1	24.3	36.9	---	30.7	32.8	---	89	94	97	---	20	2.0	44
	KS5292	42.1	26.7	40.1	24.1	34.4	36.3	33.2	101	103	105	100	22	1.3	39
	HUTCHESON	41.2	28.9	33.7	24.0	35.0	34.6	31.9	99	111	88	100	22	1.3	39
	HARTWIG	36.8	21.8	32.7	---	29.3	30.4	---	88	84	86	---	23	2.3	43
	FORREST	36.5	21.8	32.3	23.3	29.1	30.2	28.5	88	84	85	97	23	2.3	43

TEST AVERAGES 41.6 26.0 38.2 24.1
 LSD (.1-1994, .05-'91 TO '93) 3.6 4.5 5.3 4.3

LSD (.1- BETWEEN MATURITY GROUPS) 3.3

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 6. LABETTE COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1991-94.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. SCORE	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS II-III															
	KENWOOD	39.1	25.0	---	---	32.1	---	---	85	84	---	---	-17	3.0	34
	KS3494 (K1164)	46.6	30.4	44.6	---	38.5	40.5	---	102	102	104	---	-7	1.0	30
	RESNIK	44.4	23.3	36.0	30.4	33.8	34.6	33.5	97	79	84	105	-6	1.0	32
	PROBST	42.5	---	---	---	---	---	---	93	---	---	---	-6	1.0	31
	KUNITZ	42.0	25.0	36.3	28.2	33.5	34.4	32.9	92	84	85	98	-4	2.7	39
	EDISON	46.3	31.2	41.0	28.1	38.7	39.5	36.6	101	105	96	97	-2	1.3	31
WILLCROSS	92-A	46.1	34.6	49.6	---	40.4	43.4	---	101	117	116	---	0	1.0	33
	FAYETTE	40.9	26.6	40.8	---	33.8	36.1	---	89	90	95	---	0	2.3	40
	WILLIAMS 82	41.3	33.3	38.5	26.3	37.3	37.7	34.9	90	112	90	91	1	2.0	38
WILLCROSS	92-B	48.1	---	---	---	---	---	---	105	---	---	---	1	1.3	34
DELTAPINE	DPX 3388	49.2	---	---	---	---	---	---	107	---	---	---	1	1.0	33
DELTAPINE	DPX 3391	47.6	---	---	---	---	---	---	104	---	---	---	1	1.0	34
NECO	7392	47.4	---	---	---	---	---	---	103	---	---	---	1	1.0	32
STINE	3680	52.8	---	---	---	---	---	---	115	---	---	---	1	1.3	34
	LINFORD	41.8	26.2	42.4	---	34.0	36.8	---	91	88	99	---	1	2.3	38
GOLDEN HARVEST	H-1388	49.7	---	---	---	---	---	---	108	---	---	---	2	1.0	34
MIDLAND	8393	48.0	32.1	---	---	40.1	---	---	105	108	---	---	2	2.7	37
	SHERMAN	51.1	31.5	42.2	19.6	41.3	41.6	36.1	112	106	99	68	5	2.7	33

TEST AVERAGES 45.8 29.7 42.8 28.9
 LSD (.1-1994, .05-'91 TO '93) 3.8 7.2 4.3 6.1

(CONTINUED)

TABLE 6. LABETTE COUNTY SOYBEAN PERFORMANCE (DRYLAND) 1991-94 (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT.	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUP IV															
	CORSICA	48.2	33.1	42.1	33.2	40.6	41.1	39.1	100	94	90	105	-1	1.3	32
NC+	4A10	51.3	35.5	49.0	36.7	43.4	45.3	43.1	106	101	105	117	0	1.3	34
DEKALB	CX404	50.7	36.8	50.4	---	43.7	46.0	---	105	105	108	---	0	1.0	31
GOLDEN HARVEST	H-1407	51.7	35.1	---	36.3	43.4	---	---	107	100	---	115	0	1.3	33
	HAMILTON	47.1	34.6	---	---	40.8	---	---	97	99	---	---	0	2.3	33
	FLYER	45.6	34.8	41.8	30.7	40.2	40.7	38.2	94	99	90	97	9/30	1.0	32
MERSCHMAN	NORFOLK	49.1	38.0	48.4	32.3	43.5	45.2	41.9	101	108	104	103	1	1.0	30
	3410	55.7	---	---	---	---	---	---	115	---	---	---	1	1.3	32
	4120N	44.4	---	---	---	---	---	---	92	---	---	---	1	2.3	41
MIDLAND	8410	50.1	40.1	48.6	---	45.1	46.3	---	103	114	104	---	1	1.3	33
	S42-60	47.8	---	---	---	---	---	---	99	---	---	---	1	2.7	34
NORTHROP-KING	3400	53.4	---	---	---	---	---	---	110	---	---	---	1	1.0	35
DYNA-GRO	7400	45.0	---	---	---	---	---	---	93	---	---	---	1	1.3	28
	STRESSLAND	46.6	---	---	---	---	---	---	96	---	---	---	1	2.3	36
NORTHROP-KING	S42-50	47.9	39.2	46.3	37.3	43.6	44.5	42.7	99	112	99	118	2	1.3	30
OHLDE	4262N	43.9	---	---	---	---	---	---	91	---	---	---	2	1.0	31
	K1213 EXP	48.0	37.3	49.1	---	42.6	44.8	---	99	106	105	---	2	1.0	33
MERSCHMAN	AUSTIN II	48.2	32.2	---	---	40.2	---	---	100	92	---	---	2	2.0	39
	KS4390	47.9	31.4	43.0	32.7	39.7	40.8	38.8	99	89	92	104	3	1.3	33
	K1262 EXP	45.4	---	---	---	---	---	---	94	---	---	---	3	1.0	33
ICI	D414	47.3	---	---	---	---	---	---	98	---	---	---	3	2.0	36
	K1231 EXP	50.5	34.4	---	---	42.4	---	---	104	98	---	---	3	1.0	33
DEKALB	CX445	48.2	---	---	---	---	---	---	100	---	---	---	3	1.3	38
MIDLAND	8413	53.2	37.1	---	---	45.1	---	---	110	106	---	---	3	1.0	30
HYPERFORMER	HY 458	49.2	33.6	---	---	41.4	---	---	102	96	---	---	3	1.3	37
DELTAPINE	DPX 3432	53.9	---	---	---	---	---	---	111	---	---	---	4	1.0	32
ICI	D454	44.7	37.6	---	---	41.2	---	---	92	107	---	---	4	1.3	36
DELTAPINE	DP 3478	47.3	37.0	---	---	42.1	---	---	98	105	---	---	4	1.7	38
OHLDE	4367	47.7	---	---	---	---	---	---	99	---	---	---	4	1.3	35
DEKALB	CX458	47.3	36.0	---	27.4	41.7	---	---	98	103	---	87	4	1.0	35
	DELISOY 4500	44.9	34.0	45.4	---	39.4	41.4	---	93	97	97	---	5	2.0	35
	DELISOY 4210	42.5	30.2	43.6	32.6	36.3	38.8	37.2	88	86	94	103	5	2.0	37
	KS4694 (K1191)	49.9	35.7	47.4	30.6	42.8	44.3	40.9	103	102	102	97	5	1.3	30
HYPERFORMER	HY 446	46.3	---	---	---	---	---	---	96	---	---	---	5	1.7	38
WILLCROSS	9447-B	55.2	---	---	---	---	---	---	114	---	---	---	5	2.0	41
	K1235 EXP	49.1	38.0	---	---	43.6	---	---	102	108	---	---	6	1.0	30
NECO	7484	49.7	---	---	---	---	---	---	103	---	---	---	6	1.7	37
MIDLAND	8475	47.4	---	---	---	---	---	---	98	---	---	---	6	1.0	35
	K1261 EXP	48.0	---	---	---	---	---	---	99	---	---	---	6	1.0	30
OHLDE	4510	48.2	37.1	50.3	33.2	42.7	45.2	42.2	100	106	108	105	6	2.0	34
DELTAPINE	DP 3456	50.6	35.6	45.3	29.8	43.1	43.8	40.3	105	101	97	95	6	1.7	32
OHLDE	4440	51.4	36.0	---	---	43.7	---	---	106	103	---	---	7	2.0	37
ICI	EX4484	50.2	---	---	---	---	---	---	104	---	---	---	7	1.7	39
WILLCROSS	9447-A	54.7	---	---	---	---	---	---	113	---	---	---	7	2.0	38
	CRAWFORD	42.3	32.4	45.7	31.0	37.3	40.1	37.8	87	92	98	98	7	2.3	41

(CONTINUED)

TABLE 6. LABETTE COUNTY SOYBEAN PERFORMANCE (DRYLAND) 1991-94 (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT.	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
STINE	4390	51.9	37.3	52.7	---	44.6	47.3	---	107	106	113	---	7	1.0	26
NORTHROP-KING	S46-44	43.0	32.3	---	---	37.7	---	---	89	92	---	---	7	2.3	36
DELANGE	DS 464	40.2	---	---	---	---	---	---	83	---	---	---	8	2.3	43
NECO	1300	45.8	---	---	---	---	---	---	95	---	---	---	8	2.0	39
WILLCROSS	9345	45.7	---	---	---	---	---	---	94	---	---	---	8	2.0	39
	KY88-5037	47.8	---	---	---	---	---	---	99	---	---	---	8	1.7	40
PIONEER	9491	44.8	39.0	---	---	41.9	---	---	93	111	---	---	8	2.0	30
MERSCHMAN	DALLAS	45.8	35.6	53.6	33.3	40.7	45.0	42.1	95	101	115	106	9	2.7	45
MIDLAND	EXP491	50.3	---	---	---	---	---	---	104	---	---	---	9	1.0	36
MERSCHMAN	DALLAS II	53.5	37.2	---	---	45.4	---	---	111	106	---	---	9	2.7	28
MERSCHMAN	ATLANTA III	54.0	---	---	---	---	---	---	112	---	---	---	9	2.3	34
TEST AVERAGES		48.4	35.1	46.6	31.5										
LSD (.1-1994, .05-'91 TO '93)		3.7	3.5	2.8	6.7										
MATURITY GROUPS IVS-V															
	KS4895 (K1192)	47.2	38.8	47.3	---	43.0	44.4	---	114	107	100	---	7	1.0	35
	DELLOY 4710	44.8	33.0	---	---	38.9	---	---	108	91	---	---	10	1.3	40
OHLDE	5020N	41.0	---	---	---	---	---	---	99	---	---	---	11	2.0	36
	AVERY	38.8	29.5	44.5	35.0	34.2	37.6	37.0	93	81	94	102	11	3.7	46
NORTHROP-KING	S52-25	34.6	---	---	---	---	---	---	83	---	---	---	11	3.0	37
	STAFFORD	43.1	36.0	46.4	32.0	39.5	41.8	39.4	104	99	98	93	12	2.0	33
	HOLLADAY	45.0	42.8	---	---	43.9	---	---	108	118	---	---	12	2.7	34
	K1218 EXP	43.9	41.4	55.5	---	42.6	46.9	---	106	114	117	---	13	1.0	32
OHLDE	5200N	45.6	---	---	---	---	---	---	110	---	---	---	13	2.3	35
	MANOKIN	45.0	36.8	49.8	39.5	40.9	43.9	42.8	108	101	105	115	13	3.7	39
	ESSEX	43.2	38.0	42.1	33.7	40.6	41.1	39.2	104	104	89	98	13	2.3	36
PIONEER	9521	42.0	38.9	51.5	39.7	40.4	44.1	43.0	101	107	109	116	13	2.7	38
	DELLOY 4900	39.3	33.3	46.0	---	36.3	39.5	---	95	91	97	---	14	3.3	40
NC+	5H61	38.7	38.3	51.2	---	38.5	42.7	---	93	105	108	---	15	2.7	39
	HUTCHESON	42.6	38.4	45.0	37.8	40.5	42.0	40.9	103	105	95	110	16	1.0	32
	KS5292	43.6	36.5	49.3	34.8	40.0	43.1	41.0	105	100	104	101	16	1.7	35
	FORREST	37.3	33.9	47.9	31.8	35.6	39.7	37.7	90	93	101	93	20	3.3	44
	HARTWIG	31.9	32.5	44.8	---	32.2	36.4	---	77	89	95	---	22	4.3	40
TEST AVERAGES		41.5	36.4	47.4	34.3										
LSD (.1-1994, .05-'91 TO '93)		5.1	5.0	4.1	5.2										
LSD (.1- BETWEEN MATURITY GROUPS)		4.5													

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 7. REPUBLIC COUNTY SOYBEAN PERFORMANCE (DRYLAND) 1990-94

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. SCORE	LODGING SCORE	HT. IN.
		1994	1993	1992	1990	2-Yr	3-Yr	4-Yr	1994	1993	1992	1990			
MATURITY GROUPS II-III															
FONTANELLE	6100	30.3	---	---	---	---	---	---	96	---	---	---	-8	1.0	34
NORTHROP-KING	S29-39	34.0	57.6	57.1	---	45.8	49.6	---	108	104	99	---	-7	1.0	32
GOLDEN HARVEST	H-1353	30.0	54.5	---	---	42.2	---	---	95	98	---	---	-7	1.0	33
PIONEER	9341	36.0	60.9	62.7	10.8	48.5	53.2	42.6	114	110	109	67	-6	1.0	31
STAR	CLASSIC	34.9	53.6	---	---	44.3	---	---	110	96	---	---	-6	1.0	34
MIDLAND	8340	32.2	59.3	54.8	15.5	45.7	48.8	40.4	102	107	95	96	-5	1.0	36
MIDLAND	8325	33.7	---	---	---	---	---	---	107	---	---	---	-5	1.0	32
MYCOGEN	395	31.9	---	---	---	---	---	---	101	---	---	---	-5	1.0	34
OHLDE	3580	33.0	---	---	---	---	---	---	104	---	---	---	-5	1.0	34
DYNA-GRO	3303	30.8	---	---	---	---	---	---	97	---	---	---	-5	1.0	30
STAR	EXPRESS	29.6	53.8	56.7	---	41.7	46.7	---	94	97	99	---	-5	1.0	29
OHLDE	X3550	33.7	---	---	---	---	---	---	107	---	---	---	-5	1.0	33
OHLDE	3570 (X357)	30.9	---	---	---	---	---	---	98	---	---	---	-5	1.0	33
MIDLAND	8375	29.9	---	---	---	---	---	---	95	---	---	---	-5	1.0	30
MIDLAND	8393	30.7	53.1	60.0	---	41.9	47.9	---	97	96	104	---	-4	1.0	31
	RESNIK	30.0	54.6	61.6	13.4	42.3	48.7	39.9	95	98	107	83	-4	1.0	34
ASGROW	A3510	31.3	---	---	---	---	---	---	99	---	---	---	-4	1.0	31
MIDLAND	8343	32.8	53.1	60.0	---	43.0	48.6	---	104	96	104	---	-4	1.0	38
OHLDE	X3360	31.5	---	---	---	---	---	---	100	---	---	---	-4	1.0	33
MIDLAND	8355	31.5	---	---	---	---	---	---	100	---	---	---	-4	1.0	34
STAR	GALAXY	33.6	58.2	60.4	---	45.9	50.7	---	106	105	105	---	-4	1.0	32
	PROBST	32.7	---	---	---	---	---	---	103	---	---	---	-4	1.0	32
PIONEER	9362	32.3	---	---	---	---	---	---	102	---	---	---	-4	1.0	34
DYNA-GRO	3368	30.7	---	---	---	---	---	---	97	---	---	---	-4	1.0	38
OHLDE	3820	30.1	---	---	---	---	---	---	95	---	---	---	-4	1.0	38
STAR	CELEBRITY	37.4	56.5	---	---	46.9	---	---	118	102	---	---	-4	1.0	30
FONTANELLE	6104	30.0	---	---	---	---	---	---	95	---	---	---	-3	1.0	33
OHLDE	3870	30.8	---	---	---	---	---	---	97	---	---	---	-3	1.0	33
	SHERMAN	30.5	---	---	18.4	---	---	---	97	---	---	114	-3	1.0	36
	WILLIAMS 82	30.6	50.6	54.5	8.5	40.6	45.2	36.1	97	91	95	53	-3	1.0	36
	KS3494 (K1164)	30.5	60.5	58.1	---	45.5	49.7	---	96	109	101	---	-3	1.0	34
STINE	3630	29.3	---	---	---	---	---	---	93	---	---	---	-3	1.0	31
	EDISON	29.7	56.0	59.8	---	42.9	48.5	---	94	101	104	---	-3	1.0	30
OHLDE	3750A	30.2	---	---	---	---	---	---	96	---	---	---	-3	1.0	38
	KENWOOD	29.4	54.6	56.0	---	42.0	46.6	---	93	98	97	---	-2	1.0	36
TEST AVERAGES		31.6	55.6	57.5	16.1										
LSD (.1-1994, .05-'90 TO '93)		2.0	3.8	3.7	5.6										

(CONTINUED)

TABLE 7. REPUBLIC COUNTY SOYBEAN PERFORMANCE (DRYLAND), 1990-94 (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. SCORE	LODGING SCORE	HT. IN.
		1994	1993	1992	1990	2-Yr	3-Yr	4-Yr	1994	1993	1992	1990			
MATURITY GROUP IV															
NORTHROP-KING	S42-60	36.0	---	---	---	---	---	---	125	---	---	---	-4	1.0	36
	KS4390	28.0	58.9	55.8	12.2	43.5	47.6	38.7	97	108	100	131	-3	1.0	31
	K1231 EXP	29.4	53.4	---	---	41.4	---	---	102	98	---	---	-2	1.0	33
	K1235 EXP	26.2	54.4	---	---	40.3	---	---	91	99	---	---	-2	1.0	30
	K1213 EXP	31.6	53.5	56.8	---	42.6	47.3	---	110	98	102	---	-2	1.0	32
	K1262 EXP	30.1	---	---	---	---	---	---	104	---	---	---	-2	1.0	33
OHLDE	4367	29.0	---	---	---	---	---	---	100	---	---	---	-2	1.0	34
	CORSICA	28.4	56.5	53.1	---	42.4	46.0	---	98	103	95	---	-2	1.0	38
MIDLAND	8413	26.3	62.6	---	---	44.5	---	---	91	114	---	---	-1	1.0	33
MIDLAND	8410	27.9	58.6	60.0	11.6	43.2	48.8	39.5	97	107	107	125	-1	1.0	34
	STRESSLAND	27.9	---	---	---	---	---	---	97	---	---	---	-1	1.0	32
	FLYER	28.8	56.0	53.9	11.6	42.4	46.2	37.6	100	102	96	125	9/14	1.0	31
OHLDE	4440	26.6	---	---	---	---	---	---	92	---	---	---	0	1.0	33
	KS4694 (K1191)	29.0	58.3	---	---	43.6	---	---	101	106	---	---	0	1.0	34
	K1261 EXP	27.8	---	---	---	---	---	---	96	---	---	---	0	1.0	37
	KY88-5037	28.7	---	---	---	---	---	---	99	---	---	---	1	1.0	36
TEST AVERAGES		28.9	54.8	55.9	9.3										
LSD (.1-1994, .05-'90 TO '93)		3.3	5.3	3.3	4.6										
LSD (.1- BETWEEN MATURITY GROUPS)		2.7													

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 8. REPUBLIC COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1991-94.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. SCORE	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS II-III															
GOLDEN HARVEST	H-1388	77.4	62.7	---	---	70.1	---	---	109	106	---	---	-2	1.0	41
	KENWOOD	72.3	58.5	55.9	58.8	65.4	62.2	61.4	102	99	98	105	-2	1.0	37
NORTHROP-KING	S35-35	73.5	59.3	---	---	66.4	---	---	104	100	---	---	-2	1.0	33
HOEGEMEYER	365	67.0	63.0	58.7	---	65.0	62.9	---	95	106	102	---	-2	1.0	40
OHLDE	3900	72.9	---	---	---	---	---	---	103	---	---	---	-2	1.0	40
MIDLAND	8355	80.2	---	---	---	---	---	---	113	---	---	---	-2	1.0	35
	KS3494 (K1164)	77.7	64.0	58.1	52.2	70.9	66.6	63.0	110	108	101	93	-2	1.0	40
OHLDE	X3360	68.4	---	---	---	---	---	---	96	---	---	---	-2	1.0	40
	SHERMAN	72.7	58.3	63.9	50.6	65.5	65.0	61.4	103	98	112	91	-1	1.0	41
STAR	CELEBRITY	68.9	58.0	---	---	63.5	---	---	97	98	---	---	-1	1.0	30
DELTAPINE	DPX 3381	72.5	---	---	---	---	---	---	102	---	---	---	-1	1.0	40
	PROBST	72.7	---	---	---	---	---	---	103	---	---	---	-1	1.0	37
	RESNIK	65.1	56.1	55.3	49.6	60.6	58.8	56.5	92	95	97	89	-1	1.0	38
GOLDEN HARVEST	H-1353	70.0	61.9	56.0	---	65.9	62.6	---	99	105	98	---	-1	1.0	38
HOEGEMEYER	350	70.1	60.2	55.3	---	65.2	61.9	---	99	102	97	---	-1	1.0	35

(CONTINUED)

TABLE 8. REPUBLIC COUNTY SOYBEAN PERFORMANCE (IRRIGATED) FROM 1991-94 (CONTINUED)

BRAND	ENTRY	YIELD							YIELD AS % OF				MAT.	LODGING SCORE	HT. IN.
		(Bu/A)							TEST AVERAGE						
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
OHLDE	X3550	73.7	---	---	---	---	---	---	104	---	---	---	-1	1.0	40
MIDLAND	8343	69.0	55.9	58.3	---	62.4	61.1	---	97	94	102	---	-1	1.0	42
OHLDE	3750A	72.4	55.5	58.4	51.2	63.9	62.1	59.4	102	94	102	92	0	1.0	42
PIONEER	9341	77.3	64.5	56.5	48.0	70.9	66.1	61.6	109	109	99	86	0	1.0	38
DELTAPINE	DPX 3358	73.2	---	---	---	---	---	---	103	---	---	---	0	1.0	40
ICI	D396	71.5	---	---	---	---	---	---	101	---	---	---	0	1.0	40
STAR	EXPRESS	79.5	54.9	58.1	60.7	67.2	64.2	63.3	112	93	101	109	0	1.0	39
	KUNITZ	62.4	53.4	55.8	---	57.9	57.2	---	88	90	97	---	0	1.0	38
MIDLAND	8393	64.3	56.8	62.2	---	60.6	61.1	---	91	96	109	---	0	1.0	40
DELTAPINE	DP 3375	69.8	64.2	55.2	---	67.0	63.1	---	99	108	96	---	0	1.0	39
ICI	D371	71.3	59.5	---	---	65.4	---	---	101	101	---	---	0	1.0	40
DEKALB	CX377	79.7	---	---	---	---	---	---	112	---	---	---	0	1.0	42
HOEGEMEYER	380	75.5	56.9	---	---	66.2	---	---	106	96	---	---	0	1.0	40
STAR	GALAXY	79.5	56.8	61.1	---	68.2	65.8	---	112	96	107	---	0	1.0	40
OHLDE	X816	65.3	---	---	---	---	---	---	92	---	---	---	0	1.0	35
OHLDE	3870	72.4	---	---	---	---	---	---	102	---	---	---	0	1.0	40
OHLDE	3570 (X357)	57.5	63.8	---	---	60.7	---	---	81	108	---	---	1	1.0	41
OHLDE	3580	74.1	64.3	---	---	69.2	---	---	104	109	---	---	1	1.0	34
MIDLAND	8375	68.7	---	---	---	---	---	---	97	---	---	---	1	1.0	34
OHLDE	3820	66.8	---	---	---	---	---	---	94	---	---	---	1	1.0	41
	EDISON	71.4	53.3	58.5	40.4	62.4	61.1	55.9	101	90	102	72	1	1.0	38
NORTHRUP-KING	S29-39	59.3	62.2	57.5	64.2	60.8	59.7	60.8	84	105	100	115	1	1.0	40
	WILLIAMS 82	65.5	50.1	56.8	49.0	57.8	57.5	55.3	92	85	99	88	1	1.0	42
MIDLAND	8325	63.5	---	---	---	---	---	---	90	---	---	---	1	1.0	32
TEST AVERAGES		70.9	59.2	57.3	55.9										
LSD (.1-1994, .05-'91 TO '93)		8.5	3.7	3.3	11.6										
MATURITY GROUP IV															
STINE	3490	73.7	---	---	---	---	---	---	104	---	---	---	0	1.0	40
	KY88-5037	69.9	---	---	---	---	---	---	98	---	---	---	0	1.0	44
	FLYER	66.9	51.1	53.9	49.1	59.0	57.3	55.3	94	94	95	91	9/15	1.0	40
MIDLAND	8410	76.9	58.6	55.7	56.6	67.8	63.7	62.0	108	108	99	105	0	1.0	40
HOEGEMEYER	401	77.3	59.0	---	---	68.1	---	---	109	108	---	---	1	1.0	39
OHLDE	4040	75.0	60.7	---	---	67.9	---	---	105	111	---	---	1	1.0	40
	K1262 EXP	70.8	---	---	---	---	---	---	100	---	---	---	1	1.0	38
NORTHRUP-KING	S42-60	77.6	---	---	---	---	---	---	109	---	---	---	1	1.0	41
	CORSICA	68.6	54.5	54.8	---	61.5	59.3	---	96	100	97	---	1	1.0	36
	K1231 EXP	76.1	51.0	---	---	63.5	---	---	107	94	---	---	1	1.0	42
	STRESSLAND	74.1	---	---	---	---	---	---	104	---	---	---	2	1.0	40
DEKALB	CX404	82.1	59.2	57.7	---	70.6	66.3	---	115	109	102	---	2	1.0	38
MIDLAND	8413	72.1	56.8	61.8	---	64.5	63.6	---	101	104	109	---	2	1.0	44
	K1235 EXP	61.2	55.4	---	---	58.3	---	---	86	102	---	---	2	1.0	41
	K1213 EXP	70.3	52.4	60.1	---	61.4	60.9	---	99	96	106	---	3	1.0	44
	KS4390	68.4	48.4	52.6	44.9	58.4	56.5	53.6	96	89	93	84	3	1.0	40
DEKALB	CX411	80.8	---	---	---	---	---	---	114	---	---	---	3	1.0	40
	K1261 EXP	59.1	---	---	---	---	---	---	83	---	---	---	5	1.0	42
	KS4694 (K1191)	51.1	54.3	56.4	47.4	52.7	53.9	52.3	72	100	100	88	5	1.0	42
TEST AVERAGES		71.2	54.5	56.5	53.7										
LSD (.1-1994, .05-'91 TO '93)		8.2	4.9	4.4	8.9										
LSD (.1- BETWEEN MATURITY GROUPS)		10.4													

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 9. HARVEY COUNTY SOYBEAN PERFORMANCE (DRYLAND) 1991-94. <http://www.ksre.ksu.edu>

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS II-III															
	SHERMAN	19.6	33.6	---	32.9	26.6	---	---	97	104	---	86	-10	1.3	35
	KS3494 (K1164)	20.1	32.0	33.4	42.2	26.1	28.5	31.9	100	99	109	110	-10	1.3	33
DELTAPINE	DP 3375	16.5	30.6	25.3	---	23.5	24.1	---	81	95	82	---	-10	1.0	34
	RESNIK	19.2	33.5	36.5	39.6	26.4	29.7	32.2	95	104	119	103	-9	1.1	32
MIDLAND	8340	24.7	33.3	31.0	41.9	29.0	29.7	32.7	122	104	101	109	-9	1.0	33
OHLDE	3820	18.4	---	---	---	---	---	---	91	---	---	---	-8	1.1	36
	PROBST	20.4	---	---	---	---	---	---	101	---	---	---	-8	1.1	30
MIDLAND	8343	19.0	30.5	---	---	24.8	---	---	94	95	---	---	-8	1.6	41
OHLDE	X3360	20.3	---	---	---	---	---	---	100	---	---	---	-7	1.0	29
OHLDE	X3550	17.7	---	---	---	---	---	---	87	---	---	---	-7	1.4	35
	KENWOOD	24.9	31.6	33.2	34.0	28.2	29.9	30.9	123	98	108	89	-6	1.5	33
MIDLAND	8375	20.1	---	---	---	---	---	---	99	---	---	---	-6	1.0	28
AGRIPRO	AP 3800	19.4	31.8	---	---	25.6	---	---	96	99	---	---	-6	1.4	34
OHLDE	3580	19.0	---	---	---	---	---	---	94	---	---	---	-5	1.0	32
OHLDE	3750A	19.9	---	27.8	---	---	---	---	99	---	91	---	-5	1.1	36
PIONEER	9362	24.4	---	---	---	---	---	---	121	---	---	---	-5	1.0	31
ASGROW	A3510	20.1	---	---	---	---	---	---	99	---	---	---	-4	1.1	30
MIDLAND	8355	20.8	---	---	---	---	---	---	103	---	---	---	-4	1.0	29
PIONEER	9391	21.3	33.7	28.5	38.7	27.5	27.8	30.6	105	105	93	101	-4	1.6	37
	EDISON	17.5	31.9	33.3	36.2	24.7	27.6	29.7	87	99	108	94	-4	1.0	28
PIONEER	9394	16.3	---	---	---	---	---	---	81	---	---	---	-3	1.1	37
MIDLAND	8393	17.3	32.9	---	---	25.1	---	---	85	102	---	---	-3	1.9	39
OHLDE	3870	22.7	---	---	---	---	---	---	112	---	---	---	-2	1.5	34
OHLDE	3570 (X357)	24.2	---	---	---	---	---	---	119	---	---	---	-2	1.0	32
DELANGE	DS 390	24.1	33.8	25.6	40.8	29.0	27.8	31.1	119	105	83	106	-1	1.3	34
GOLDEN HARVEST	H-1388	17.6	---	---	---	---	---	---	87	---	---	---	-1	1.1	31
AGRIPRO	AP 3727	23.7	---	---	---	---	---	---	117	---	---	---	-1	1.0	32
	WILLIAMS 82	17.1	30.5	24.0	35.4	23.8	23.9	26.7	84	95	78	92	-1	1.3	35
TEST AVERAGES		20.2	32.2	30.7	38.4										
LSD (.1-1994, .05-'91 TO '93)		1.7	2.1	4.6	5.0										

(CONTINUED)

TABLE 9. HARVEY COUNTY SOYBEAN PERFORMANCE (DRYLAND) 1991-94 (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUP IV															
DYNA-GRO	3410	19.7	---	---	---	---	---	---	96	---	---	---	-4	1.0	35
	STRESSLAND	22.1	---	---	---	---	---	---	107	---	---	---	-4	1.1	39
	SPARKS	17.3	28.8	24.5	39.6	23.0	23.5	27.5	84	89	84	100	-3	1.8	42
	CORSICA	23.2	30.9	29.8	37.1	27.0	28.0	30.2	113	96	103	93	-3	1.4	33
ASGROW	A4045	19.0	---	---	---	---	---	---	92	---	---	---	-3	1.3	36
NORTHROP-KING	S42-50	24.4	---	---	---	---	---	---	118	---	---	---	-1	1.0	34
	FLYER	21.8	32.3	32.3	40.5	27.1	28.8	31.7	106	100	111	102	9/22	1.0	33
	K1231 EXP	21.7	32.4	---	---	27.1	---	---	105	100	---	---	1	1.1	32
	KS4390	19.6	30.4	23.8	38.5	25.0	24.6	28.1	95	94	82	97	1	1.1	35
GOLDEN HARVEST	H-1407	23.6	---	---	---	---	---	---	115	---	---	---	2	1.1	35
DYNA-GRO	3400	24.1	---	---	---	---	---	---	117	---	---	---	2	1.3	35
MIDLAND	8410	22.5	34.5	35.2	42.0	28.5	30.8	33.6	110	107	121	106	2	1.1	35
STINE	4350	17.8	---	---	---	---	---	---	86	---	---	---	3	1.8	44
DELANGE	DS 455	18.1	---	---	---	---	---	---	88	---	---	---	4	1.7	42
OHLDE	4440	19.5	---	---	---	---	---	---	95	---	---	---	5	1.1	41
DELTAPINE	DP 3478	19.2	32.6	---	---	25.9	---	---	93	101	---	---	6	1.1	37
	K1262 EXP	19.7	---	---	---	---	---	---	96	---	---	---	6	1.1	35
OHLDE	4367	23.3	---	---	---	---	---	---	113	---	---	---	6	1.0	37
MIDLAND	8413	20.7	32.5	---	---	26.6	---	---	100	101	---	---	6	1.0	29
AGRIPRO	AP 4510	16.9	---	---	---	---	---	---	82	---	---	---	6	1.0	35
	K1213 EXP	24.9	33.5	32.5	---	29.2	30.3	---	121	104	112	---	6	1.1	37
AGRIPRO	AP 4880	19.9	---	---	---	---	---	---	97	---	---	---	7	1.0	38
DELTAPINE	DP 3456	17.2	30.2	29.4	42.6	23.7	25.6	29.9	84	94	101	107	7	1.0	32
	KS4694 (K1191)	21.8	34.4	29.5	38.3	28.1	28.6	31.0	106	107	102	96	7	1.1	34
DELANGE	DS 464	19.8	---	---	---	---	---	---	96	---	---	---	8	1.5	42
	KY88-5037	17.1	---	---	---	---	---	---	83	---	---	---	8	1.4	37
	K1235 EXP	21.8	30.5	---	---	26.2	---	---	106	95	---	---	8	1.0	31
	K1261 EXP	19.9	---	---	---	---	---	---	97	---	---	---	9	1.0	34
TEST AVERAGES		20.6	32.3	29.0	39.7										
LSD (.1-1994, .05-'91 TO '93)		1.7	2.8	3.9	5.2										
LSD (.1- BETWEEN MATURITY GROUPS)		1.9													

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 10. STAFFORD COUNTY SOYBEAN PERFORMANCE (IRRIGATED) 1991-94

BRAND	ENTRY	YIELD							YIELD AS % OF				MAT.	LODGING	HT.
		(Bu/A)							TEST AVERAGE						
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS II-III															
GREAT LAKES	GL 3145	54.4	---	---	---	---	---	---	109	---	---	---	-5	1.0	35
DELTAPINE	DP 3375	50.8	47.3	56.5	---	49.0	51.5	---	102	113	107	---	-4	1.0	39
	KENWOOD	48.9	31.0	46.1	43.7	40.0	42.0	42.4	98	74	87	93	-4	1.3	33
	PROBST	47.6	---	---	---	---	---	---	95	---	---	---	-3	1.0	42
	KS3494 (K1164)	50.9	38.8	53.6	51.0	44.8	47.7	48.6	102	93	102	108	-3	1.0	39
	RESNIK	49.2	34.2	55.4	45.0	41.7	46.3	46.0	98	82	105	96	-2	1.0	35
STAR	CELEBRITY	46.2	40.7	---	---	43.5	---	---	92	98	---	---	-2	1.0	29
DELTAPINE	DPX 3358	51.4	---	---	---	---	---	---	103	---	---	---	-2	1.5	38
NC+	3K84	43.9	---	---	---	---	---	---	88	---	---	---	-2	1.3	42
OHLDE	X816	50.7	---	---	---	---	---	---	101	---	---	---	-2	1.0	37
	SHERMAN	55.2	---	---	48.9	---	---	---	110	---	---	104	-2	1.5	37
GOLDEN HARVEST	H-1353	51.9	42.1	59.6	---	47.0	51.2	---	104	101	113	---	-2	1.5	41
PIONEER	9362	52.0	---	---	---	---	---	---	104	---	---	---	-2	1.0	36
PIONEER	9391	47.6	46.4	56.4	36.3	47.0	50.1	46.7	95	111	107	77	-2	1.0	42
NORTHROP-KING	S35-35	49.3	42.1	---	---	45.7	---	---	99	101	---	---	-1	1.3	40
NC+	3A44	56.3	---	---	---	---	---	---	113	---	---	---	-1	1.0	31
OHLDE	X3360	56.0	---	---	---	---	---	---	112	---	---	---	-1	2.3	37
AGRIPRO	AP 3800	46.5	45.4	---	---	45.9	---	---	93	109	---	---	-1	1.0	38
DRUSSEL	DSS 3880	49.3	---	---	---	---	---	---	99	---	---	---	-1	1.0	39
OHLDE	3580	53.0	40.9	---	---	47.0	---	---	106	98	---	---	-1	1.0	36
MIDLAND	8375	55.2	---	---	---	---	---	---	110	---	---	---	-1	1.0	35
OHLDE	3820	49.2	---	---	---	---	---	---	98	---	---	---	0	1.8	42
ASGROW	A3510	54.1	---	---	---	---	---	---	108	---	---	---	0	1.0	38
STINE	3260	54.5	---	---	---	---	---	---	109	---	---	---	0	1.0	39
OHLDE	X3550	56.0	---	---	---	---	---	---	112	---	---	---	0	1.0	43
DELTAPINE	DPX 3381	48.0	---	---	---	---	---	---	96	---	---	---	0	1.0	38
OHLDE	3570 (X357)	52.6	45.8	---	---	49.2	---	---	105	110	---	---	0	1.0	39
STAR	EXPRESS	56.9	47.4	54.5	53.3	52.1	52.9	53.0	114	114	103	113	0	1.5	34
STAR	GALAXY	52.6	46.2	58.5	---	49.4	52.4	---	105	111	111	---	0	1.0	42
	EDISON	49.4	40.7	53.9	49.7	45.0	48.0	48.4	99	98	102	106	0	1.0	34
GREAT LAKES	GL 3337	46.3	44.4	---	---	45.3	---	---	92	106	---	---	0	1.0	38
MIDLAND	8355	49.6	---	---	---	---	---	---	99	---	---	---	0	1.5	30
OHLDE	3750A	45.9	45.2	55.2	47.4	45.6	48.8	48.4	92	109	105	101	1	2.0	44
GREAT LAKES	GL 3821	45.9	---	---	---	---	---	---	92	---	---	---	1	1.0	34
PIONEER	9394	44.9	---	---	---	---	---	---	90	---	---	---	1	1.0	41
HYPERFORMER	HSC 398	56.4	47.2	---	---	51.8	---	---	113	113	---	---	1	1.0	37
OHLDE	3900	51.6	---	---	---	---	---	---	103	---	---	---	1	1.3	39
GOLDEN HARVEST	H-1388	51.7	47.0	---	---	49.3	---	---	103	113	---	---	2	1.3	40
DELTAPINE	DPX 3391	44.1	---	---	---	---	---	---	88	---	---	---	2	1.0	42
	WILLIAMS 82	36.8	41.4	46.1	44.9	39.1	41.4	42.3	74	99	87	95	2	1.8	42
MIDLAND	8393	44.2	---	---	---	---	---	---	88	---	---	---	2	2.5	41
DELANGE	DS 390	43.7	43.2	54.0	47.2	43.4	47.0	47.0	87	104	102	100	2	1.3	43
DELTAPINE	DPX 3388	53.0	---	---	---	---	---	---	106	---	---	---	2	1.8	44
OHLDE	3870	47.6	---	---	---	---	---	---	95	---	---	---	3	1.3	42
TEST AVERAGES		50.0	41.7	52.8	47.1										
LSD (.1-1994, .05-'91 TO '93)		4.8	NS	5.0	12.7										

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 10. STAFFORD COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1991-94. (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUP IV															
	FLYER	49.7	42.5	57.7	33.5	46.1	50.0	45.9	103	101	101	85	9/14	1.0	38
MIDLAND	8410	55.6	44.6	59.7	38.3	50.1	53.3	49.5	115	106	105	97	1	1.0	41
NC+	4A10	57.8	44.9	57.7	---	51.3	53.5	---	119	106	101	---	1	1.0	40
OHLDE	4040	52.3	46.7	60.2	---	49.5	53.0	---	108	111	106	---	1	1.8	42
NORTHRUP-KING	S42-60	52.8	40.0	---	---	46.4	---	---	109	95	---	---	1	1.5	41
	CORSICA	50.0	38.9	52.6	50.2	44.4	47.2	47.9	103	92	92	127	2	2.5	41
DEKALB	CX404	54.8	46.5	60.5	---	50.7	53.9	---	113	110	106	---	2	1.5	41
STAR	LEGACY	47.2	40.3	---	---	43.8	---	---	97	95	---	---	2	1.0	36
	STRESSLAND	51.9	---	---	---	---	---	---	107	---	---	---	3	1.5	43
HYPERFORMER	HY 458	44.5	---	---	---	---	---	---	92	---	---	---	3	1.3	42
	K1231 EXP	50.8	37.7	---	---	44.2	---	---	105	89	---	---	3	1.5	40
NORTHRUP-KING	S44-77	47.2	46.0	53.2	41.2	46.6	48.8	46.9	97	109	93	104	3	2.5	43
MIDLAND	8413	49.3	42.4	---	---	45.9	---	---	102	100	---	---	4	1.0	41
DEKALB	CX458	41.6	48.9	63.1	39.5	45.2	51.2	48.3	86	116	111	100	4	1.3	44
NORTHRUP-KING	S42-50	48.6	44.6	61.0	40.2	46.6	51.4	48.6	100	106	107	102	4	2.5	42
	K1213 EXP	47.3	38.5	52.6	---	42.9	46.1	---	98	91	92	---	4	2.8	45
	KS4390	42.9	36.6	52.4	30.9	39.8	44.0	40.7	89	87	92	78	5	2.0	45
HYPERFORMER	HY 446	44.8	39.1	---	---	42.0	---	---	92	93	---	---	5	1.8	45
ASGROW	A4045	49.6	---	---	---	---	---	---	102	---	---	---	5	1.3	42
	K1235 EXP	47.8	41.0	---	---	44.4	---	---	99	97	---	---	6	1.5	40
	K1261 EXP	39.7	---	---	---	---	---	---	82	---	---	---	6	1.3	48
AGRIPRO	AP 4510	51.9	46.1	---	---	49.0	---	---	107	109	---	---	6	2.8	43
DELTAPINE	DPX 3432	56.9	---	---	---	---	---	---	117	---	---	---	6	1.5	44
OHLDE	4440	54.8	---	---	---	---	---	---	113	---	---	---	7	2.3	46
DELTAPINE	DP 3456	42.8	42.9	54.2	45.2	42.8	46.6	46.3	88	102	95	114	7	3.8	44
	K1262 EXP	50.6	---	---	---	---	---	---	104	---	---	---	7	1.5	45
DELTAPINE	DP 3478	46.2	45.3	---	---	45.7	---	---	95	107	---	---	9	2.3	47
	KS4694 (K1191)	37.3	39.5	55.6	40.0	38.4	44.1	43.1	77	94	98	101	9	2.0	46
	KY88-5037	39.2	---	---	---	---	---	---	81	---	---	---	9	2.5	46

TEST AVERAGES 48.5 42.2 57.0 39.5
 LSD (.1-1994, .05-'91 TO '93) 5.1 5.4 5.8 8.3

LSD (.1- BETWEEN MATURITY GROUPS) 5.5

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 11. THOMAS COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1990-94.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1992	1991	1990	2-Yr	3-Yr	4-Yr	1994	1993	1992	1990			
MATURITY GROUP II															
OHLDE	2829	63.9	---	---	---	---	---	---	94	---	---	---	-14	1.3	40
OHLDE	2650	73.0	---	---	---	---	---	---	107	---	---	---	-14	1.0	31
GOLDEN HARVEST	H-1263	65.0	---	---	---	---	---	---	95	---	---	---	-14	1.0	32
	KENWOOD	65.7	54.3	71.0	---	60.0	63.7	---	96	100	101	---	-13	1.3	38
OHLDE	2770	68.8	---	---	---	---	---	---	101	---	---	---	-13	1.0	36
OHLDE	X2825	71.9	---	---	---	---	---	---	106	---	---	---	-12	1.3	37
OHLDE	X2930	72.1	---	---	---	---	---	---	106	---	---	---	-10	1.8	33
NORTHROP-KING	S29-39	64.8	57.8	70.9	---	61.3	64.5	---	95	106	100	---	2	2.3	37
TEST AVERAGES		68.1	54.4	70.6	69.3										
LSD (.1-1994, .05-'90 TO '92)		6.6	3.2	6.2	4.3										
MATURITY GROUPS III-IV															
NORTHROP-KING	S30-06	71.5	---	---	---	---	---	---	100	---	---	---	-11	1.0	36
OHLDE	3250	75.3	---	---	---	---	---	---	105	---	---	---	-8	1.8	36
GOLDEN HARVEST	H-1302	77.3	---	---	---	---	---	---	108	---	---	---	-8	1.0	36
	RESNIK	69.2	51.6	71.5	61.8	60.4	64.1	63.5	97	91	95	93	-7	1.0	39
	PROBST	73.5	---	---	---	---	---	---	103	---	---	---	-4	1.3	38
	EDISON	75.7	54.6	74.7	---	65.1	68.3	---	106	97	100	---	-2	1.3	38
STINE	3510	76.1	---	---	---	---	---	---	106	---	---	---	-2	1.8	38
	FLYER	68.4	52.6	74.2	67.3	60.5	65.1	65.6	96	93	99	101	9/30	1.5	41
	SHERMAN	76.1	---	---	65.6	---	---	---	106	---	---	98	0	1.5	39
OHLDE	3000	75.3	---	---	---	---	---	---	105	---	---	---	0	1.5	41
	KS3494 (K1164)	73.7	60.1	77.5	---	66.9	70.4	---	103	106	103	---	0	1.8	39
	K1231 EXP	66.1	---	---	---	---	---	---	92	---	---	---	0	1.0	41
	WILLIAMS 82	61.9	49.5	65.4	60.7	55.7	58.9	59.4	87	88	87	91	1	1.3	45
	STRESSLAND	71.2	---	---	---	---	---	---	100	---	---	---	1	1.8	45
	CORSICA	81.0	58.5	76.2	---	69.7	71.9	---	113	104	102	---	2	2.0	41
	K1262 EXP	71.5	---	---	---	---	---	---	100	---	---	---	2	1.5	44
	K1213 EXP	68.6	---	---	---	---	---	---	96	---	---	---	3	1.5	44
	KY88-5037	63.0	---	---	---	---	---	---	88	---	---	---	7	2.3	48
	K1235 EXP	72.1	---	---	---	---	---	---	101	---	---	---	8	2.3	42
	K1261 EXP	66.8	---	---	---	---	---	---	93	---	---	---	9	2.3	45
	KS4694 (K1191)	67.3	---	70.8	---	---	---	---	94	---	95	---	11	3.0	44
TEST AVERAGES		71.5	56.5	74.9	66.6										
LSD (.1-1994, .05-'90 TO '92)		5.1	3.7	4.0	5.0										
LSD (.1- BETWEEN MATURITY GROUPS)		6.1													

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 12. FINNEY COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1991-94.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS II-III															
OHLDE	3214	55.3	---	---	---	---	---	---	98	---	---	---	-11	1.7	29
	KENWOOD	41.7	36.1	15.9	59.4	38.9	31.2	38.3	74	71	46	100	-8	1.0	26
PIONEER	9341	53.0	56.8	43.1	62.3	54.9	51.0	53.8	94	112	124	105	-8	1.3	27
	RESNIK	52.1	43.6	35.8	55.9	47.8	43.8	46.8	92	86	103	94	-5	2.0	26
OHLDE	X3360	63.9	---	---	---	---	---	---	113	---	---	---	-5	2.3	30
	KS3494 (K1164)	62.5	52.0	35.3	59.5	57.3	50.0	52.3	110	103	102	100	-5	2.0	30
DRUSSEL	DSS EXP 4358	55.5	---	---	---	---	---	---	98	---	---	---	-4	1.7	33
MIDLAND	8375	52.5	---	---	---	---	---	---	93	---	---	---	-4	2.0	26
DRUSSEL	DSS EXP 6353	56.3	---	---	---	---	---	---	99	---	---	---	-4	1.3	33
PIONEER	9362	42.0	---	---	---	---	---	---	74	---	---	---	-3	1.0	26
DRUSSEL	DSS 3880	51.9	---	---	---	---	---	---	92	---	---	---	-3	2.3	32
OHLDE	3820	60.7	---	---	---	---	---	---	107	---	---	---	-3	2.0	33
MIDLAND	8355	56.2	---	---	---	---	---	---	99	---	---	---	-3	1.7	26
	SHERMAN	54.6	---	---	57.3	---	---	---	96	---	---	96	-3	1.3	29
OHLDE	3272	63.5	43.0	49.3	---	53.3	51.9	---	112	85	142	---	-3	1.7	33
OHLDE	3750A	52.9	53.7	43.0	59.9	53.3	49.9	52.4	93	106	124	101	-2	1.7	29
AGRIPRO	AP 3800	47.1	54.8	---	---	50.9	---	---	83	108	---	---	-2	1.3	27
OHLDE	X816	54.8	---	---	---	---	---	---	97	---	---	---	-2	1.7	27
OHLDE	3570 (X357)	59.5	---	---	---	---	---	---	105	---	---	---	-2	2.0	33
HYPERFORMER	HY 351	54.4	49.8	---	---	52.1	---	---	96	98	---	---	-2	1.7	31
MIDLAND	EXP372	57.2	---	---	---	---	---	---	101	---	---	---	-2	2.3	31
	EDISON	57.1	56.4	30.8	58.4	56.8	48.1	50.7	101	111	89	98	-1	1.3	27
PIONEER	9381	49.7	49.8	---	---	49.7	---	---	88	98	---	---	-1	1.0	27
ASGROW	A3510	63.4	---	---	---	---	---	---	112	---	---	---	-1	1.0	30
OHLDE	X3550	70.7	---	---	---	---	---	---	125	---	---	---	-1	1.3	31
DRUSSEL	DSS EXP 35203	56.3	---	---	---	---	---	---	99	---	---	---	-1	1.3	28
PIONEER	9393	58.9	53.6	---	---	56.3	---	---	104	106	---	---	-1	1.7	32
GOLDEN HARVEST	H-1353	55.4	---	40.2	---	---	---	---	98	---	116	---	0	2.0	31
OHLDE	3431A	63.8	63.5	---	---	63.6	---	---	113	125	---	---	0	1.3	34
	WILLIAMS 82	53.7	48.3	33.9	57.6	51.0	45.3	48.4	95	95	98	97	1	1.3	34
	PROBST	43.6	---	---	---	---	---	---	77	---	---	---	1	1.7	27
GOLDEN HARVEST	H-1388	68.2	53.1	---	---	60.6	---	---	120	105	---	---	1	1.0	29
HYPERFORMER	HSC 398	69.2	57.9	---	---	63.5	---	---	122	114	---	---	3	1.0	26
OHLDE	3870	56.5	---	---	---	---	---	---	100	---	---	---	3	1.7	29
MIDLAND	8393	69.3	---	---	---	---	---	---	122	---	---	---	3	1.7	32
TEST AVERAGES		56.7	50.8	34.7	59.6										
LSD (.1-1994, .05-'91 TO '93)		9.2	7.7	5.9	4.7										

(CONTINUED)

TABLE 12. FINNEY COUNTY SOYBEAN PERFORMANCE (IRRIGATED), 1991-94 (CONTINUED)

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT. -----1994-----	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUP IV															
	SPARKS	60.2	55.1	---	61.3	57.6	---	---	106	124	---	102	-1	1.0	31
	K1231 EXP	56.1	45.1	---	---	50.6	---	---	99	101	---	---	0	1.7	30
	CORSICA	53.5	37.8	37.1	55.3	45.6	42.8	45.9	94	85	80	92	0	1.3	27
	FLYER	49.5	49.1	47.2	60.6	49.3	48.6	51.6	87	110	102	101	9/16	2.0	33
DEKALB	CX411	66.8	---	---	---	---	---	---	117	---	---	---	2	1.7	24
	K1213 EXP	60.6	---	---	---	---	---	---	107	---	---	---	2	2.0	33
MIDLAND	8413	65.3	---	---	---	---	---	---	115	---	---	---	3	1.7	34
	KS4390	61.4	48.0	43.2	57.4	54.7	50.9	52.5	108	108	94	95	3	1.0	33
DELTAPINE	DPX 3432	62.1	---	---	---	---	---	---	109	---	---	---	3	1.0	34
ASGROW	A4138	53.3	52.0	---	---	52.6	---	---	94	117	---	---	4	1.0	26
DEKALB	CX458	67.3	44.6	53.7	65.4	56.0	55.2	57.8	118	100	116	109	6	1.0	34
AGRIPRO	AP 4510	67.8	47.0	---	---	57.4	---	---	119	106	---	---	6	2.0	31
	STRESSLAND	58.3	---	---	---	---	---	---	102	---	---	---	6	1.0	29
	K1262 EXP	60.9	---	---	---	---	---	---	107	---	---	---	6	1.3	32
	K1261 EXP	56.3	---	---	---	---	---	---	99	---	---	---	6	1.0	34
HYPERFORMER	HY 446	54.5	49.8	---	---	52.2	---	---	96	112	---	---	7	1.0	34
	K1235 EXP	65.4	46.9	---	---	56.2	---	---	115	106	---	---	7	2.0	32
STINE	3490	35.3	---	---	---	---	---	---	62	---	---	---	8	1.0	23
DELTAPINE	DP 3456	67.1	52.1	51.4	64.7	59.6	56.9	58.8	118	117	111	107	8	2.7	33
HYPERFORMER	HY 498	60.8	---	---	---	---	---	---	107	---	---	---	8	1.0	37
NORTHRUP-KING	S42-60	57.6	---	---	---	---	---	---	101	---	---	---	8	1.0	25
	KY88-5037	55.2	---	---	---	---	---	---	97	---	---	---	10	1.3	27
	KS4694 (K1191)	53.7	49.5	---	60.0	51.6	---	---	94	111	---	100	11	1.0	33
DELTAPINE	DP 3478	38.0	43.2	---	---	40.6	---	---	67	97	---	---	13	1.3	26
OHLDE	4040	35.3	43.7	52.5	---	39.5	43.8	---	62	98	114	---	13	1.0	25

TEST AVERAGES 56.9 44.5 46.2 60.2

LSD (.1-1994, .05-'91 TO '93) 10.6 11.3 9.8 7.5

LSD (.1- BETWEEN MATURITY GROUPS) 11.1

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER

LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 13. YIELD AS % OF TEST AVERAGE FROM 1994 LOCATIONS.

BRAND	NAME	BRO	SHA	FRA	LAB	RBE	RSC	HAR	STA	THO	FIN	AVG
	AVERY	---	---	92	93	---	---	---	---	---	---	93
	CORSICA	93	107	98	100	98	96	113	103	113	94	102
	CRAWFORD	---	---	86	87	---	---	---	---	---	---	87
	DELLOY 4210	88	96	92	88	---	---	---	---	---	---	91
	DELLOY 4500	96	85	90	93	---	---	---	---	---	---	91
	DELLOY 4710	---	---	109	108	---	---	---	---	---	---	109
	DELLOY 4900	---	---	89	95	---	---	---	---	---	---	92
	EDISON	101	100	101	101	94	101	87	99	106	101	99
	ESSEX	---	---	101	104	---	---	---	---	---	---	103
	FAYETTE	92	88	95	89	---	---	---	---	---	---	91
	FLYER	95	94	96	94	100	94	106	103	96	87	97
	FORREST	---	---	88	90	---	---	---	---	---	---	89
	HAMILTON	99	99	96	97	---	---	---	---	---	---	98
	HARTWIG	---	---	88	77	---	---	---	---	---	---	83
	HOLLADAY	---	---	111	108	---	---	---	---	---	---	110
	HUTCHESON	---	---	99	103	---	---	---	---	---	---	101
	K1213	97	90	99	99	110	99	121	98	96	107	102
	K1218	---	---	107	106	---	---	---	---	---	---	107
	K1231	99	94	103	104	102	107	105	105	92	99	101
	K1235	116	95	109	102	91	86	106	99	101	115	102
	K1261	90	90	99	99	96	83	97	82	93	99	93
	K1262	90	104	100	94	104	100	96	104	100	107	100
	KENWOOD	102	96	84	85	93	102	123	98	96	74	95
	KS3494 (K1164)	101	99	98	102	96	110	100	102	103	110	102
	KS4390	90	101	95	99	97	96	95	89	---	108	97
	KS4694 (K1191)	96	97	109	103	101	72	106	77	94	94	95
	KS4895 (K1192)	---	---	107	114	---	---	---	---	---	---	111
	KS5292	---	---	101	105	---	---	---	---	---	---	103
	KUNITZ	85	91	92	92	---	88	---	---	---	---	90
	KY88-5037	96	100	98	99	99	98	83	81	88	97	94
	LINFORD	89	100	95	91	---	---	---	---	---	---	94
	MANOKIN	---	---	99	108	---	---	---	---	---	---	104
	PROBST	102	93	101	93	103	103	101	95	103	77	97
	RESNIK	97	89	95	97	95	92	95	98	97	92	95
	SHERMAN	92	90	108	112	97	103	97	110	106	96	101
	SPARKS	---	---	---	---	---	---	84	---	---	106	95
	STAFFORD	---	---	109	104	---	---	---	---	---	---	107
	STRESSLAND	101	94	91	96	97	104	107	107	100	102	100
	WILLIAMS 82	83	86	99	90	97	92	84	74	87	95	89
AGRIPRO	AP 3727	---	---	---	---	---	---	117	---	---	---	117
AGRIPRO	AP 3800	---	---	---	---	---	---	96	93	---	83	91
AGRIPRO	AP 3990	106	---	---	---	---	---	---	---	---	---	106
AGRIPRO	AP 4100	106	---	---	---	---	---	---	---	---	---	106
AGRIPRO	AP 4510	97	---	---	---	---	---	82	107	---	119	101
AGRIPRO	AP 4880	---	---	---	---	---	---	97	---	---	---	97
ASGROW	A3313	106	97	---	---	---	---	---	---	---	---	102
ASGROW	A3510	100	94	105	---	99	---	99	108	---	112	102
ASGROW	A3935	92	---	---	---	---	---	---	---	---	---	92
ASGROW	A4045	96	99	---	---	---	---	92	102	---	---	97
ASGROW	A4138	---	---	---	---	---	---	---	---	---	94	94
ASGROW	A4341	---	---	106	---	---	---	---	---	---	---	106
ASGROW	A4415	---	---	97	---	---	---	---	---	---	---	97
ASGROW	A4715	---	---	94	---	---	---	---	---	---	---	94
DEKALB	CX335	93	---	---	---	---	---	---	---	---	---	93
DEKALB	CX377	102	99	98	---	---	112	---	---	---	---	103
DEKALB	CX404	---	98	105	105	---	115	---	113	---	---	107
DEKALB	CX411	105	114	---	---	---	114	---	---	---	117	113
DEKALB	CX445	---	91	101	100	---	---	---	---	---	---	97
DEKALB	CX458	---	---	---	98	---	---	---	86	---	118	101
DELANGE	DS 390	---	---	95	---	---	---	119	87	---	---	100
DELANGE	DS 455	---	---	91	---	---	---	88	---	---	---	90
DELANGE	DS 464	---	---	82	83	---	---	96	---	---	---	87

(Continued)

TABLE 13. YIELD AS % OF TEST AVERAGE FROM 1994 LOCATIONS.

BRAND	NAME	BRO	SHA	FRA	LAB	RBE	RSC	HAR	STA	THO	FIN	AVG
DELTAPINE	DP 3375	99	102	95	---	---	99	81	102	---	---	96 96
DELTAPINE	DP 3456	---	---	104	105	---	---	84	88	---	118	100
DELTAPINE	DP 3478	---	---	97	98	---	---	93	95	---	67	90
DELTAPINE	DPX 3358	95	---	97	---	---	103	---	103	---	---	100
DELTAPINE	DPX 3381	101	---	103	---	---	102	---	96	---	---	101
DELTAPINE	DPX 3388	96	---	107	107	---	---	---	106	---	---	104
DELTAPINE	DPX 3391	101	---	98	104	---	---	---	88	---	---	98
DELTAPINE	DPX 3432	---	---	102	111	---	---	---	117	---	109	110
DRUSSEL	DSS 3880	---	---	---	---	---	---	---	99	---	92	96
DRUSSEL	DSS EXP 35203	---	---	---	---	---	---	---	---	---	99	99
DRUSSEL	DSS EXP 4358	---	---	---	---	---	---	---	---	---	98	98
DRUSSEL	DSS EXP 6353	---	---	---	---	---	---	---	---	---	99	99
DYNA-GRO	3303	115	---	---	---	97	---	---	---	---	---	106
DYNA-GRO	3368	110	110	102	---	97	---	---	---	---	---	105
DYNA-GRO	3400	107	96	107	110	---	---	117	---	---	---	107
DYNA-GRO	3410	---	118	102	115	---	---	96	---	---	---	108
FONTANELLE	5621	83	---	---	---	---	---	---	---	---	---	83
FONTANELLE	6100	99	---	106	---	96	---	---	---	---	---	100
FONTANELLE	6104	96	---	94	---	95	---	---	---	---	---	95
GOLDEN HARVEST	H-1263	---	---	---	---	---	---	---	---	95	---	95
GOLDEN HARVEST	H-1302	---	---	---	---	---	---	---	---	108	---	108
GOLDEN HARVEST	H-1328	91	---	---	---	---	---	---	---	---	---	91
GOLDEN HARVEST	H-1353	97	107	---	---	95	99	---	104	---	98	100
GOLDEN HARVEST	H-1388	111	102	---	108	---	109	87	103	---	120	106
GOLDEN HARVEST	H-1407	111	95	---	107	---	---	115	---	---	---	107
GREAT LAKES	GL 3145	---	---	---	---	---	---	---	109	---	---	109
GREAT LAKES	GL 3337	---	---	---	---	---	---	---	92	---	---	92
GREAT LAKES	GL 3821	---	---	---	---	---	---	---	92	---	---	92
HAMON	374	102	---	---	---	---	---	---	---	---	---	102
HAMON	435	---	93	---	---	---	---	---	---	---	---	93
HAMON	490	103	95	---	---	---	---	---	---	---	---	99
HOEGEMEYER	350	100	105	91	---	---	99	---	---	---	---	99
HOEGEMEYER	365	102	103	110	---	---	95	---	---	---	---	103
HOEGEMEYER	380	100	100	107	---	---	106	---	---	---	---	103
HOEGEMEYER	401	102	95	104	---	---	109	---	---	---	---	103
HYPERFORMER	HSC 373	96	100	---	---	---	---	---	---	---	---	98
HYPERFORMER	HSC 398	106	98	---	---	---	---	---	113	---	122	110
HYPERFORMER	HY 351	98	94	---	---	---	---	---	---	---	96	96
HYPERFORMER	HY 446	97	105	---	96	---	---	---	92	---	96	97
HYPERFORMER	HY 458	---	---	---	102	---	---	---	92	---	---	97
HYPERFORMER	HY 498	---	---	---	---	---	---	---	---	---	107	107
ICI	D371	116	105	---	---	---	101	---	---	---	---	107
ICI	D396	92	100	99	---	---	101	---	---	---	---	98
ICI	D414	100	---	95	98	---	---	---	---	---	---	98
ICI	D454	---	---	---	92	---	---	---	---	---	---	92
ICI	EX4484	---	---	---	104	---	---	---	---	---	---	104
LEWIS	358	105	---	---	---	---	---	---	---	---	---	105
LEWIS	370	96	105	---	---	---	---	---	---	---	---	101
LEWIS	409	---	113	---	---	---	---	---	---	---	---	113
LEWIS	472	---	102	102	---	---	---	---	---	---	---	102
MERSCHMAN	ATLANTA III	99	120	112	112	---	---	---	---	---	---	111
MERSCHMAN	AUSTIN II	88	94	101	100	---	---	---	---	---	---	96
MERSCHMAN	DALLAS	88	89	101	95	---	---	---	---	---	---	93
MERSCHMAN	DALLAS II	100	97	103	111	---	---	---	---	---	---	103
MERSCHMAN	EISENHOWER III	104	97	108	---	---	---	---	---	---	---	103
MERSCHMAN	NORFOLK	103	99	110	101	---	---	---	---	---	---	103
MERSCHMAN	ROOSEVELT	102	103	93	---	---	---	---	---	---	---	99

(Continued)

TABLE 13. YIELD AS % OF TEST AVERAGE FROM 1994 LOCATIONS.

BRAND	NAME	BRO	SHA	FRA	LAB	RBE	RSC	HAR	STA	THO	FIN	AVG
MIDLAND	8325	---	---	---	---	107	90	---	---	---	---	99
MIDLAND	8340	---	112	---	---	102	---	122	---	---	---	112
MIDLAND	8343	88	103	95	---	104	97	94	---	---	---	97
MIDLAND	8355	106	88	101	---	100	113	103	99	---	99	101
MIDLAND	8375	---	94	---	---	95	97	99	110	---	93	98
MIDLAND	8393	98	102	103	105	97	91	85	88	---	122	99
MIDLAND	8410	117	107	105	103	97	108	110	115	---	---	108
MIDLAND	8413	107	101	107	110	91	101	100	102	---	115	104
MIDLAND	8475	---	---	100	98	---	---	---	---	---	---	99
MIDLAND	EXP 372	---	---	---	---	---	---	---	---	---	101	101
MIDLAND	EXP 491	---	---	97	104	---	---	---	---	---	---	101
MIDWEST GEN.	G 3880	110	---	---	---	---	---	---	---	---	---	110
MYCOGEN	356	87	100	---	---	---	---	---	---	---	---	94
MYCOGEN	395	---	105	---	---	101	---	---	---	---	---	103
MYCOGEN	470	---	---	102	---	---	---	---	---	---	---	102
MYCOGEN	AG439	---	---	95	---	---	---	---	---	---	---	95
NC+	3A44	---	---	---	---	---	---	---	113	---	---	113
NC+	3K84	---	---	---	---	---	---	---	88	---	---	88
NC+	4A10	100	109	108	106	---	---	---	119	---	---	108
NC+	4A27	---	100	---	---	---	---	---	---	---	---	100
NC+	5H61	---	---	---	93	---	---	---	---	---	---	93
NECO	1300	---	---	93	95	---	---	---	---	---	---	94
NECO	7354	104	85	---	---	---	---	---	---	---	---	95
NECO	7384	99	103	100	---	---	---	---	---	---	---	101
NECO	7392	109	100	111	103	---	---	---	---	---	---	106
NECO	7400	---	94	98	93	---	---	---	---	---	---	95
NECO	7484	---	---	102	103	---	---	---	---	---	---	103
NORTHRUP-KING	S29-39	---	115	---	---	108	84	---	---	95	---	101
NORTHRUP-KING	S30-06	102	---	98	---	---	---	---	---	100	---	100
NORTHRUP-KING	S35-35	---	---	---	---	---	104	---	99	---	---	102
NORTHRUP-KING	S39-41	102	---	95	---	---	---	---	---	---	---	99
NORTHRUP-KING	S42-50	108	---	96	99	---	---	118	100	---	---	104
NORTHRUP-KING	S42-60	104	119	106	99	125	109	---	109	---	101	109
NORTHRUP-KING	S44-77	100	---	95	---	---	---	---	97	---	---	97
NORTHRUP-KING	S46-44	---	---	---	89	---	---	---	---	---	---	89
NORTHRUP-KING	S52-25	---	---	---	83	---	---	---	---	---	---	83
OHLDE	2650	---	---	---	---	---	---	---	---	107	---	107
OHLDE	2770	---	---	---	---	---	---	---	---	101	---	101
OHLDE	2829	---	---	---	---	---	---	---	---	94	---	94
OHLDE	3000	---	---	---	---	---	---	---	---	105	---	105
OHLDE	3214	---	---	---	---	---	---	---	---	---	98	98
OHLDE	3250	---	---	---	---	---	---	---	---	105	---	105
OHLDE	3272	---	---	---	---	---	---	---	---	---	112	112
OHLDE	3431A	---	---	---	---	---	---	---	---	---	113	113
OHLDE	3570 (X357)	103	96	96	---	98	81	119	105	---	105	100
OHLDE	3580	102	111	100	---	104	104	94	106	---	---	103
OHLDE	3650	99	---	110	---	---	---	---	---	---	---	105
OHLDE	3750A	106	98	94	---	96	102	99	92	---	93	98
OHLDE	3820	97	96	99	---	95	94	91	98	---	107	97
OHLDE	3870	100	98	106	---	97	102	112	95	---	100	101
OHLDE	3900	100	106	100	---	---	103	---	103	---	---	102
OHLDE	4040	97	102	105	---	---	105	---	108	---	62	97
OHLDE	4120N	---	---	---	92	---	---	---	---	---	---	92
OHLDE	4262N	---	---	104	91	---	---	---	---	---	---	98
OHLDE	4367	101	---	95	99	100	---	113	---	---	---	102
OHLDE	4440	111	---	109	106	92	---	95	113	---	---	104
OHLDE	4510	---	---	105	100	---	---	---	---	---	---	103
OHLDE	5020N	---	---	---	99	---	---	---	---	---	---	99
OHLDE	5200N	---	---	---	110	---	---	---	---	---	---	110
OHLDE	X2825	---	---	---	---	---	---	---	---	106	---	106
OHLDE	X2930	---	---	---	---	---	---	---	---	106	---	106
OHLDE	X3360	98	97	102	---	100	96	100	112	---	113	102
OHLDE	X3550	108	106	105	---	107	104	87	112	---	125	107
OHLDE	X816	103	101	105	---	---	92	---	101	---	97	100

(Continued)

TABLE 13. YIELD AS % OF TEST AVERAGE FROM 1994 LOCATIONS.

BRAND	NAME	BRO	SHA	FRA	LAB	RBE	RSC	HAR	STA	THO	FIN	AVG
PATRIOT	333	95	---	---	---	---	---	---	---	---	---	95
PATRIOT	345	106	---	---	---	---	---	---	---	---	---	106
PATRIOT	350	---	103	---	---	---	---	---	---	---	---	103
PATRIOT	355	104	---	---	---	---	---	---	---	---	---	104
PATRIOT	360	---	104	---	---	---	---	---	---	---	---	104
PATRIOT	373	---	106	---	---	---	---	---	---	---	---	106
PATRIOT	395	---	---	103	---	---	---	---	---	---	---	103
PATRIOT	410	---	---	95	---	---	---	---	---	---	---	95
PATRIOT	488	---	---	103	---	---	---	---	---	---	---	103
PIONEER	9341	---	---	---	---	114	109	---	---	---	94	106
PIONEER	9362	103	122	---	---	102	---	121	104	---	74	104
PIONEER	9381	---	---	---	---	---	---	---	---	---	88	88
PIONEER	9391	---	---	---	---	---	---	105	95	---	---	100
PIONEER	9393	---	104	---	---	---	---	---	---	---	104	104
PIONEER	9394	83	97	90	---	---	---	81	90	---	---	88
PIONEER	9411	103	100	98	---	---	---	---	---	---	---	100
PIONEER	9491	---	---	96	93	---	---	---	---	---	---	95
PIONEER	9521	---	---	---	101	---	---	---	---	---	---	101
STAR	CELEBRITY	87	98	82	---	118	97	---	92	---	---	96
STAR	CLASSIC	98	---	---	---	110	---	---	---	---	---	104
STAR	EXPRESS	112	103	98	---	94	112	---	114	---	---	106
STAR	GALAXY	106	101	108	---	106	112	---	105	---	---	106
STAR	LEGACY	---	92	95	---	---	---	---	97	---	---	95
STINE	3260	---	---	---	---	---	---	---	109	---	---	109
STINE	3470	---	---	106	---	---	---	---	---	---	---	106
STINE	3490	95	108	89	---	---	104	---	---	---	62	92
STINE	3510	---	---	---	---	---	---	---	---	106	---	106
STINE	3630	---	---	---	---	93	---	---	---	---	---	93
STINE	3660	98	109	---	---	---	---	---	---	---	---	104
STINE	3680	---	---	---	115	---	---	---	---	---	---	115
STINE	4340	---	102	106	---	---	---	---	---	---	---	104
STINE	4350	---	---	---	---	---	---	86	---	---	---	86
STINE	4390	---	---	---	107	---	---	---	---	---	---	107
STINE	4680 (EX4550 E)	---	---	106	---	---	---	---	---	---	---	106
TAYLOR	350	---	97	---	---	---	---	---	---	---	---	97
TAYLOR	380	103	---	---	---	---	---	---	---	---	---	103
TAYLOR	399	104	---	109	---	---	---	---	---	---	---	107
TERRA	E4292	---	---	95	---	---	---	---	---	---	---	95
TERRA	TORCH	---	---	106	---	---	---	---	---	---	---	106
TERRA	TS402	---	---	108	---	---	---	---	---	---	---	108
WILLCROSS	92-A	118	98	99	101	---	---	---	---	---	---	104
WILLCROSS	92-B	94	99	107	105	---	---	---	---	---	---	101
WILLCROSS	9345	---	---	97	94	---	---	---	---	---	---	96
WILLCROSS	9435	109	101	---	---	---	---	---	---	---	---	105
WILLCROSS	9447-A	---	---	98	113	---	---	---	---	---	---	106
WILLCROSS	9447-B	---	---	106	114	---	---	---	---	---	---	110
WILSON	3250	99	---	---	---	---	---	---	---	---	---	99
WILSON	4010	110	---	---	---	---	---	---	---	---	---	110

BRO = BROWN COUNTY, SHA = SHAWNEE COUNTY, FRA = FRANKLIN COUNTY, LAB = LABETTE COUNTY, RBE = REPUBLIC COUNTY, BELLEVILLE TEST, RSC = REPUBLIC COUNTY, SCANDIA TEST, HAR = HARVEY COUNTY, STA = STAFFORD COUNTY, THO = THOMAS COUNTY, FIN = FINNEY COUNTY, and AVG = AVERAGE OF ALL TRIALS EVALUATED.

TABLE 14. CHEROKEE COUNTY SOYBEAN PERFORMANCE ON SOIL INFESTED WITH SOYBEAN CYST NEMATODE, RACE 3 (DRYLAND), 1991-94.

BRAND	ENTRY	YIELD (Bu/A)							YIELD AS % OF TEST AVERAGE				MAT.	LODGING SCORE	HT. IN.
		1994	1993	1992	1991	2-Yr	3-Yr	4-Yr	1994	1993	1992	1991			
MATURITY GROUPS IV-V															
OHLDE	4120N	35.7	---	---	---	---	---	---	100	---	---	---	-4	1.8	37
	FLYER	20.2	18.8	16.0	---	19.5	18.3	---	57	64	51	---	9/28	1.0	26
MERSCHMAN	HOUSTON III	35.9	---	---	---	---	---	---	101	---	---	---	-1	1.5	30
STINE	4322CN	33.9	---	---	---	---	---	---	95	---	---	---	-1	1.0	25
OHLDE	4262N	35.5	---	---	---	---	---	---	100	---	---	---	0	1.0	25
NC+	4A27	41.3	---	---	---	---	---	---	116	---	---	---	0	1.3	27
TERRA	E4292	34.8	---	---	---	---	---	---	98	---	---	---	1	1.5	32
MIDLAND	EXP452	36.7	---	---	---	---	---	---	103	---	---	---	1	1.0	32
	DELISOY 4210	38.8	---	---	---	---	---	---	109	---	---	---	1	1.8	36
DEKALB	CX469C	34.5	---	---	---	---	---	---	97	---	---	---	1	2.0	32
HYPERFORMER	HY 458	37.2	---	---	---	---	---	---	104	---	---	---	2	1.3	35
	DELISOY 4500	36.4	---	---	---	---	---	---	102	---	---	---	2	1.3	33
TERRA	E461	25.7	---	---	---	---	---	---	72	---	---	---	3	1.3	30
WILLCROSS	9447-A	29.1	---	---	---	---	---	---	82	---	---	---	3	1.3	33
NORTHROP-KING	S46-44	33.6	---	---	---	---	---	---	95	---	---	---	3	1.5	32
WILLCROSS	9447-B	29.2	---	---	---	---	---	---	82	---	---	---	3	1.3	31
OHLDE	4440	30.8	---	---	---	---	---	---	87	---	---	---	4	1.8	31
DELANGE	DS 464	34.3	---	---	---	---	---	---	96	---	---	---	4	1.5	35
MIDLAND	8475	39.3	---	---	---	---	---	---	110	---	---	---	4	1.5	31
ASGROW	A4715	39.4	32.8	32.4	---	36.1	34.9	---	111	111	103	---	5	1.5	32
TERRA	E4792	33.8	33.4	---	---	33.6	---	---	95	113	---	---	5	2.8	40
	DELISOY 4710	39.2	---	---	---	---	---	---	110	---	---	---	6	2.0	35
TERRA	E474	31.7	---	---	---	---	---	---	89	---	---	---	7	1.3	28
PIONEER	9491	39.5	---	---	---	---	---	---	111	---	---	---	8	1.5	24
PIONEER	9521	42.5	39.2	38.0	15.7	40.9	39.9	33.9	120	133	120	111	8	2.0	33
	AVERY	36.6	31.1	33.5	19.8	33.8	33.7	30.2	103	105	106	139	9	3.5	45
	DELISOY 4900	36.9	35.7	35.7	17.3	36.3	36.1	31.4	104	121	113	122	9	3.3	33
NC+	5A15	38.1	32.5	---	---	35.3	---	---	107	110	---	---	10	1.0	25
NORTHROP-KING	S52-25	41.3	---	---	---	---	---	---	116	---	---	---	10	2.8	32
ASGROW	A5112	36.2	32.4	39.5	---	34.3	36.0	---	102	110	125	---	10	1.3	26
OHLDE	5020N	39.6	---	---	---	---	---	---	111	---	---	---	11	2.8	32
HYPERFORMER	HSC 501	41.8	33.2	---	---	37.5	---	---	118	113	---	---	11	3.0	31
	STAFFORD	29.3	21.8	18.0	9.6	25.6	23.0	19.7	82	74	57	68	12	2.0	29
	MANOKIN	42.2	36.2	37.7	19.9	39.2	38.7	34.0	119	123	119	140	12	3.0	31
	KS5292	34.6	35.2	38.1	14.3	34.9	36.0	30.5	97	119	121	101	13	1.5	30
OHLDE	5200N	41.8	---	---	---	---	---	---	118	---	---	---	14	2.8	33
	HOLLADAY	34.9	---	---	---	---	---	---	98	---	---	---	14	1.3	26
	ESSEX	28.8	22.9	22.4	7.5	25.9	24.7	20.4	81	78	71	53	14	1.8	26
	FORREST	39.5	34.7	34.5	20.0	37.1	36.2	32.2	111	118	109	141	16	3.0	36
	HUTCHESON	31.5	25.4	21.4	11.6	28.5	26.1	22.5	89	86	68	82	17	1.3	26
	HARTWIG	36.1	34.5	37.9	---	35.3	36.2	---	101	117	120	---	19	4.0	34
TEST AVERAGES		35.6	29.5	31.6	14.2										
LSD (.1-1994, .05-'91 TO '93)		3.6	2.3	4.6	2.9										

MATURITY IS MEASURED AS DAYS EARLIER OR LATER THAN FLYER
 LODGING SCORE IS BASED ON 1-5 SCALE WITH 1=EXCELLENT, 5=POOR

TABLE 15. DESCRIPTION OF ENTRIES IN 1994 SOYBEAN PERFORMANCE TEST.

BRAND OR ENTRANT	ENTRY	MG	VT	FC	HI	PU	PB	-----SCN-----			-----PHYTO-----			
								RI	R3	R14	SOURCE	RR	TOL	SHAT
	AVERY	V	PL	W	BL	T	Br	S	R	R	PI88788			1
	CORSICA	IV	PL	P	G	T	T	S	S	S				2
	CRAWFORD	IV	PL	P	BI	T	Br	S	S	S				1
	DELISOY 4210	IV	PL	W	G	T		S	R	R	PI88788			1
	DELISOY 4500	IV	PL	W	Bf	G		R	R	S	Peking			1
	DELISOY 4710	IVS	PL	P	BL	T		S	R	R	PI209332			1
	DELISOY 4900	IVS	PL	P	Br	T		R	R	S	Peking			1
	EDISON	III	PL	P	BL	T	T	S	S	S		Rps?		1
	ESSEX	V	PL	P	Bf	G		S	S	S				1
	FAYETTE	III	PL	W	BL	Br	T	S	R	R	PI88788			2
	FLYER	IV	PL	P	BL	T	T	S	S	S		Rpslk		1
	FORREST	V	PL	W	BL	T		R	R	S	Peking			1
	HAMILTON	IV	PL	W	Bf	G	T	S	S	S				1
	HARTWIG	V	PL	W	BL	T		R	R	R	PI437654			1
	HOLLADAY	V	PL	P	Bf	G	T	S	S	S				1
	HUTCHESON	V	PL	W	Bf	G	T	S	S	S				1
	KS4895 (K1192)	IVS	PL	P	BL	G	T	S	S	S				1
	K1213 EXP	IV	PL											1
	K1218 EXP	IVS	PL											1
	K1231 EXP	IV	PL											1
	K1235 EXP	IV	PL											1
	K1261 EXP	IV	PL											1
	K1262 EXP	IV	PL											1
	KS3494 (K1164)	III	PL	P	BI	T	Br	S	S	S				1
	KS4390	IV	PL	P	BI	T	T	S	S	S				1
	KS4694 (K1191)	IV	PL	W	Bf	G	Br	S	S	S				1
	KS5292	V	PL	W	Bf	G	T	R	R	S	Peking			1
	KY88-5037 EXP	IV	PL	W	BL	T	T			S				1
	KENWOOD	II	PL	P	BL	T	Br	S	S	S				1
	KUNITZ	III	PL	W	BL	T	T	S	S	S				1
	LINFORD	III	PL	W	BL	T	T	S	R	R	PI88788			2
	MANOKIN	V	PL	W	BL	T	T	R	R	S	Peking			1
	PROBST	III	PL	P	BI	T	T	S	S	S		Rpslk		2
	RESNIK	III	PL	P	BL	T	T	S	S	S		Rpslk		1
	SHERMAN	III	PL	W	Bf	G	Br	S	S	S				2
	SPARKS	IV	PL	W	BL	T	T	S	S	S		Rpsl		2
	STAFFORD	V	PL	P	IB	G	T	S	S	S				1
	STRESSLAND	IV	PL	P	BI	T	T	S	S	S				1
	WILLIAMS 82	III	PL	W	BI	Br	T	S	S	S		Rpslk		1
AGRIPRO	AP 3727	III	PL	P	BL	T	T	S	S	S			2.3	1
AGRIPRO	AP 3800	III	PL	P	BL	T	T	S	S	S		Rps1k	2.4	1
AGRIPRO	AP 3990	III	PL	P	BL	T	Br	S	S	S			2.8	1
AGRIPRO	AP 4100	IV	PL	P	BR	T	T	S	S	S			2.7	1
AGRIPRO	AP 4510	IV	PL	W	BL	T	T	S	S	S			2.6	2
AGRIPRO	AP 4880	IV	PL	P	BL	T	Br	S	S	S			2.5	2
ASGROW	A3313	III	PL	P	BL	T	T	S	S	S		Rps1k	1	1
ASGROW	A3510	III	PL	P	BL	T	T	S	S	S		Rps1c	2	1
ASGROW	A3935	III	PL	P	BL	T	Br	S	S	S			3	1
ASGROW	A4045	IV	PL	P	BL	T	Br	S	S	S			3	1
ASGROW	A4138	IV	PL	W	BL	T	T	S	R	R	PI88788		3	1
ASGROW	A4341	IV	PL	P	BL	T	Br	S	S	S		Rps1k	3	1
ASGROW	A4415	IV	PL	P	BL	T	Br	S	S	S			3	1
ASGROW	A4715	IV	PL	W	BL	T	T	S	R	R	PI88788		5	1
ASGROW	A5112	V	PL	W	Bf	G	T	S	R	R	PI88788		6	1
DEKALB	CX335	III	PL	P	BL	T	Br	S	S	S		Rps1c	2	1
DEKALB	CX377	III	PL	W	BL	T	T	S	S	S		Rps1c	2	2
DEKALB	CX404	IV	PL	P	Br	T	T	S	S	S			3	2
DEKALB	CX411	IV	PL	W	BL	T	T	S	S	S		Rps1c	2	1
DEKALB	CX445	IV	PL	W	BL	T		S	S	S		Rps1c	2	2
DEKALB	CX458	IV	PL	W	BL	T	Br	S	S	S			3	1
DEKALB	CX469c	IV	PL	P	BL	T	Br	S	R	S	PI88788		3	1
DELANGE	DS 390	III	PL	W	BL	T	Br	S	S	S		Rps1c	1.7	2
DELANGE	DS 455	IV	PL	W	BL	Br	T	S	S	S		Rps1a	2	1
DELANGE	DS 464	IV	PL	P	BL	Br	T	S	R	R	Bedford		2.5	1
DELTAPINE	DP 3375	III	PL	W	Br	T		S	S	S				1
DELTAPINE	DP 3456	IV	PL	W	BL	T		S	S	S				1
DELTAPINE	DP 3478	IV	PL	P	BL	T	Br	S	S	S				1
DELTAPINE	DPX 3358	III	PL	W	BL	T	Br	S	S	S				1
DELTAPINE	DPX 3381	III	PL	P	BL	T	T	S	S	S				1
DELTAPINE	DPX 3388	III	PL	P	BL	T	Br	S	S	S				2
DELTAPINE	DPX 3391	III	PL	P	BL	T	Br	S	S	S				1
DELTAPINE	DPX 3432	IV	PL	P	lb	G	T	S	S	S				1

(Continued)

TABLE 15. DESCRIPTION OF ENTRIES IN 1994 SOYBEAN PERFORMANCE TEST. <http://www.ksre.ksu.edu>

BRAND OR ENTRANT	ENTRY	MG	VT	FC	HI	PU	PB	-----SCN-----			-----PHYTO-----				
								RI	R3	R14	SOURCE	RR	TOL	SHAT	
DRUSSEL	DSS 3880	III	PL	P	BL	Br	T								1
DRUSSEL	DSS 35203	III	PL	P	BL	Br	T								2
DRUSSEL	DSS Exp 4358	III	PL	P	G	G	Br								1
DRUSSEL	DSS Exp 6353	III	PL	P	BL	T	T								1
DYNA-GRO	3303	III	PL	P	Br	T	Br	S	S	S				1	1
DYNA-GRO	3368	III	PL	P	Br	T	Br	S	S	S				1	1
DYNA-GRO	3400	IV	PL	P	Br	T	T	S	S	S				3	2
DYNA-GRO	3410	IV	PL	P	BL	T	Br	S	S	S				1	1
FONTANELLE	5621	III	PL	W	BL	T	T	S	S	S		MR	3.2		2
FONTANELLE	6100	III	PL	P	Br	T	T	S	S	S		MR	1.8		2
FONTANELLE	6104	III	PL	P	BL	Br	T	S	S	S		MR	1.9		1
GOLDEN HARVEST	H-1263	II	PL	P	BL	T	T	S	S	S			1.8		1
GOLDEN HARVEST	H-1302	III	PL	P	Br	T	Br	S	S	S			2		1
GOLDEN HARVEST	H-1328	III	PL	P	BL	T	T	S	S	S		Rps1k	1.8		1
GOLDEN HARVEST	H-1353	III	PL	P	lb	G	Br	S	S	S			1.8		2
GOLDEN HARVEST	H-1388	III	PL	P	BL	T	Br	S	S	S		Rps1a	2.2		2
GOLDEN HARVEST	H-1407	IV	PL	P	Br	T	T	S	S	S			2.0		2
GREAT LAKES	GL 3145	III	PL	P	Br	T	Br	S	S	S			2.5		1
GREAT LAKES	GL 3337	III	PL	W	BL	T	T	S	S	S		Rps1k	2.0		1
GREAT LAKES	GL 3821	III	PL	P	BL	T	T	S	S	S			2.5		1
HAMON	374	III	PL	P	BL	T	T								1
HAMON	435	IV	PL	W	BL	T	Br								1
HAMON	490	III	PL	P	Br	T	Br								1
HOEGEMEYER	350	III	PL	P	BL	Br	T	S	S	S			1.8		1
HOEGEMEYER	365	III	PL	P	Br	T	T	S	S	S			1.5		1
HOEGEMEYER	380	III	PL	P	Br	T	Br	S	S	S			1.5		1
HOEGEMEYER	401	IV	PL	P	Br	T	T	S	S	S			1.8		1
HYPERFORMER	HSC 373	III	PL	W	BL	T	T	S	R	R			3		1
HYPERFORMER	HSC 398	III	PL	P	Br	T	T	S	S	S			2		1
HYPERFORMER	HSC 501	V	PL	P	BL	T	Br	S	R	MR		Rps1c	2		1
HYPERFORMER	HY 351	III	PL	P	BL	Br	Br	S	S	S			2		2
HYPERFORMER	HY 446	IV	PL	W	BL	Br	T	S	S	S			2		1
HYPERFORMER	HY 458	IV	PL	W	Bf	G	Br	S	R	MR		Rps1a	2		1
HYPERFORMER	HY 498	IV	PL	W	Bf	G	T	S	S	S			3		1
ICI	D371	III	PL	P	Br	T	Br	S	S	S			3		1
ICI	D396	III	PL	P	Br	T	Br	S	S	S			4		1
ICI	D414	IV	PL	P	BL	T	Br	S	S	S			5		1
ICI	D454	IV	PL	W	Bf	G	Br	S	R	MR	PI88788	Rsp1a	4		1
ICI	EX4484	IV	PL	P	BL	T	Br	S	S	S			4		1
LEWIS	358	III													1
LEWIS	370	III	PL												1
LEWIS	409	IV	PL												1
LEWIS	472	IV	PL												2
MERSCHMAN	Atlanta III	IV	PL	W	BL	T	Br	S	S	S			2		2
MERSCHMAN	Austin II	IV	PL	P	Bf	G	T	S	S	S			3		2
MERSCHMAN	Dallas	IV	PL	P	Bf	G	T	S	S	S			3.3		1
MERSCHMAN	Dallas II	IV	PL	P	lb	G	Br	S	S	S			2		1
MERSCHMAN	Eisenhower III	III	PL	P	Br	T	T	S	S	S			1.7		1
MERSCHMAN	Houston III	IV	PL	W	BL	T	T	S	R	MR			2.3		1
MERSCHMAN	Norfolk	IV	PL	P	Br	T	Br	S	S	S			2		1
MERSCHMAN	Roosevelt	III	PL	P	Bf	G	Br	S	S	S			1.9		1
MIDLAND	8325	III	PL	P	BL	T	T	S	S	S		Rps1k	2		1
MIDLAND	8340	III	PL	W	lb	G	T	S	S	S			3		1
MIDLAND	8343	III	PL	P	G	G	Br	S	S	S			3		1
MIDLAND	8355	III	PL	P	lb	G	T	S	S	S			2.8		1
MIDLAND	8375	III	PL	P	BL	T	T	S	S	S			3		1
MIDLAND	8393	III	PL	P	lb	T	T	S	S	S			4		1
MIDLAND	8410	IV	PL	P	Br	T	T	S	S	S			4		1
MIDLAND	8413	IV	PL	P	BL	Br	T	S	S	S		Rps1c	4		1
MIDLAND	8475	IV	PL	W	BL	T	T	S	R	R	Fayette		2		1
MIDLAND	EXP372	III	PL	P	BL	T	T	S	S	S			4		1
MIDLAND	EXP452	IV	PL	P	lb	G	Br	S	R	R		Rps1a	3.6		1
MIDLAND	EXP491	IV	PL	P	Bf	G	Br	S	S	S			2		1
MIDWEST GEN.	G 3880	III	PL	P	Br	T	T						2		1

(Continued)

TABLE 15. DESCRIPTION OF ENTRIES IN 1994 SOYBEAN PERFORMANCE TEST I

BRAND OR ENTRANT	ENTRY	MG	VT	FC	HI	PU	PB	-----SCN-----			-----PHYTO-----				
								RI	R3	R14	SOURCE	RR	TOL	SHAT	
MYCOGEN	AG439	III	PL	W	BL	T	Br	S	S	S			1	1	
MYCOGEN	356	III	PL	P	Bl	T	T	S	S	S			4	1	
MYCOGEN	395	III	PL	P	Bl	T	T	S	S	S			4	1	
MYCOGEN	470	IV	PL	P	Bl	T	Br	S	S	S			4	1	
NC+	3A44	III	PL	P	Bl	T	T					Rps1k	3	1	
NC+	3K84	III	PL	W	Bl	T	T					Rps1k	2	1	
NC+	4A10	IV	PL	P	Br	T	T						3	1	
NC+	4A27	IV	PL	P	Bf	G	Br	S	R	R	PI88788		3	1	
NC+	5A15	V	PL	W	Bf	G	T	S	R	R	PI88788		3	1	
NC+	5H61	V	PL	W	G	G	T						2	1	
NECO	1300	IV	PL	W	Bl	Br	T	S	S	S				1	
NECO	7354	III	PL	W	Bl	T	T	S	S	S		Rps1c	1.5	1	
NECO	7384	III	PL	P	Bl	T	Br	S	S	S				2	
NECO	7392	III	PL	P	Bl	T	T	S	S	S				1	
NECO	7400	IV	PL	P	Bl	Br	T	S	S	S				1	
NECO	7484	IV	PL	P	Bl	T	Br	S	S	S				1	
NORTHRUP KING	S29-39	II	PL	P	Y	G	Br	S	S	S		Rps1c	6	1	
NORTHRUP KING	S30-06	III	PL	P	G	G	Br	S	S	S				6	1
NORTHRUP KING	S35-35	III	PL	P	Bl	T	T	S	S	S				6	1
NORTHRUP KING	S39-41	III	PL	W	Bl	T	T	S	R	R				6	1
NORTHRUP KING	S42-50	IV	PL	W	Bf	G	Br	S	S	S		Rps1c	4	1	
NORTHRUP KING	S42-60	IV	PL	P	Bl	T	T	S	S	S				4	1
NORTHRUP KING	S44-77	IV	PL	P	Bf	G	T	S	S	S		Rps1c	4	1	
NORTHRUP KING	S46-44	IV	PL	P	Bl	T	B	S	R	R		Rps1c	6	1	
NORTHRUP KING	S52-25	V	PL	W	Bl	T	B	S	R	S		Rps1c	4	1	
OHLDE	2650	II	PL											2.8	1
OHLDE	2770	II	PL									Rps1a		2.5	1
OHLDE	2829	II	PL											2	2
OHLDE	3000	III	PL											2	1
OHLDE	3214	III	PL											2.5	1
OHLDE	3250	III	PL											3	1
OHLDE	3272	III	PL											2.5	1
OHLDE	3431A	III	B											2.5	1
OHLDE	3570 (X357)	III	PL											2	1
OHLDE	3580	III	PL											2.5	1
OHLDE	3650	III	PL									Rps1k		2	1
OHLDE	3750A	III	B											2	2
OHLDE	3820	III	PL											2	1
OHLDE	3870	III	PL											2.6	1
OHLDE	3900	III	PL											2	1
OHLDE	4040	IV	PL											2.5	1
OHLDE	4120N	IV	PL											1.5	2
OHLDE	4262N	IV	PL											2	1
OHLDE	4367	IV	PL											2	1
OHLDE	4440	IV	PL											2	1
OHLDE	4510	IV	PL											2	1
OHLDE	5020N	V	PL											2	1
OHLDE	5200N	V	PL											2.5	1
OHLDE	X816	III	PL									Rps1k		2	1
OHLDE	X2825	II	PL											1.9	1
OHLDE	X2930	II	PL											2.5	2
OHLDE	X3360	III	PL											1.5	1
OHLDE	X3550	III	PL									Rps1a		2.5	1
PATRIOT	333	III	PL	P	Br	Br	T	S	S	S		Rps1k	1.8	1	
PATRIOT	345	III	PL	W	Bl	T	T	S	S	S		Rps1c	1.6	2	
PATRIOT	350	III	PL	P	Bl	Br	Br	S	S	S		Rps1a	2.6	1	
PATRIOT	355	III	PL	W	Bl	T	Br	S	S	S				1.8	1
PATRIOT	360	III	PL	P	Bl	Br	Br	S	S	S		Rps1a	2.2	1	
PATRIOT	373	III	PL	W	Bl	T	T	S	S	S				2.2	1
PATRIOT	395	III	PL	P	Bl	Br	T	S	S	S		Rps1a	1.5	1	
PATRIOT	410	IV	PL	W	Bl	T	Br	S	S	S				2	1
PATRIOT	488	IV	PL	P	Bl	T	Br	S	S	S				2	1
PIONEER	9341	III	PL	W	Br	T	T							4	1
PIONEER	9362	III	PL	W	Bf	G	Br		R	R		Rps1c		4	1
PIONEER	9381	III	PL	W	Bl	T	T							5	1
PIONEER	9391	III	PL	P	Bl	T	T					Rps1c		3	2
PIONEER	9393	III	PL	P	Bl	T	T			R		Rps1k		2	1
PIONEER	9394	III	PL	W	Bl	T	T		R	R				4	1
PIONEER	9411	IV	PL	P	Bl	T	T					Rps1c		3	1
PIONEER	9491	IV	PL	W	Br	T	Br		R	R					1
PIONEER	9521	V	PL	P	Bl	T	T		R			Rps1c		4	1

(Continued)

BRAND OR ENTRANT	ENTRY	MG	VT	FC	HI	PU	PB	-----SCN-----			-----PHYTO-----			SHAT	
								RI	R3	R14	SOURCE	RR	TOL		
STAR	CELEBRITY	III	PL	P	Bl	Br	T								1
STAR	CLASSIC	II	PL	P	IB	G	Br								1
STAR	EXPRESS	III	PL	P	Bf	G	T								1
STAR	GALAXY	III	PL	P	Br	T	T								1
STAR	LEGACY	IV	PL	P	BL	Br	T								1
STINE	3260	III	PL	P	Br	T	Br	S	S	S					1
STINE	3470	III	PL	P	Bf	G	Br	S	S	S					1
STINE	3490	IV	PL	P	Br	T	Br	S	S	S					1
STINE	3510	III	PL	P	Br	T	Br	S	S	S					1
STINE	3630	III	PL	M	Br	T	Br	S	S	S					2
STINE	3660	III	PL	W	Br	T	Br	S	S	S					1
STINE	3680	III	PL	M	BL/Br	T	Br	S	S	S					1
STINE	4322CN	IV	PL	W	Bf	G	Br	S	R	R	P188788				1
STINE	4340	IV	PL	P	IB	G	T	S	S	S					1
STINE	4350	IV	PL	P	Bf	G	T	S	S	S					1
STINE	4390	IV	PL	P	IB	G	Br	S	S	S					1
STINE	4680 (Ex4550)	IV	PL	P	Br	T	Br	S	S	S					2
TALOR	350	III	PL					S	S	S				2	1
TALOR	380	III	PL					S	S	S				2	1
TALOR	399	III	PL					S	S	S				2	1
TERRA	TORCH	III	PL	P	BL/Br	T	Br							2.2	1
TERRA	TS402	IV	PL	P	Br	T	T							1.8	1
TERRA	E461	IV	PL	P	Bf	G	T							2.5	1
TERRA	E474	IV													2
TERRA	E4292	IV	PL	W	Bf	G	Br							3	1
TERRA	E4792	IV	PL	P	BL	Br	T							2	1
WILLCROSS	92-A	III	PL	P	BL	T	T	S	S	S					1
WILLCROSS	92-B	III	PL	P	BL	T	T	S	S	S					1
WILLCROSS	9345	IV	PL	W	BL	Br	T	S	S	S					1
WILLCROSS	9435	III	PL	W	BL	T	T	S	S	S					1
WILLCROSS	9447-A	IV	PL	P	BL	T	Br	S	S	S					1
WILLCROSS	9447-B	IV	PL	P	BL	T	Br	S	S	S					1
WILSON	3250	III	PL	P	Br	T	Br	S	S	S				3.2	2
WILSON	4010	IV	PL	P	Br	T	Br	S	S	S				3.2	1

† MG=MATURITY GROUP; VT=VARIETY TIME; 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; PU=PUBESCENCE COLOR; T=TAWNY; Br=BROWN; G=GREY; PB=POD COLOR; Br=BROWN; T=TAN; SCN=SOYBEAN CYST NEMATODE; RI, 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; FT=FIELD TOLERANCE SCORE WITH 1=EXCELLENT TO 9=POOR; SHAT=SHATTERING, 1=NO SHATTERING, 2=1 TO 10% SHATTERING. ALL INFORMATION EXCEPT SHATTERING SCORES SUPPLIED BY ENTRANT.

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