

1983

EC83-104 Nebraska Soybean Performance Tests 1982

A. F. Dreier

J. H. Williams

R. S. Moomaw

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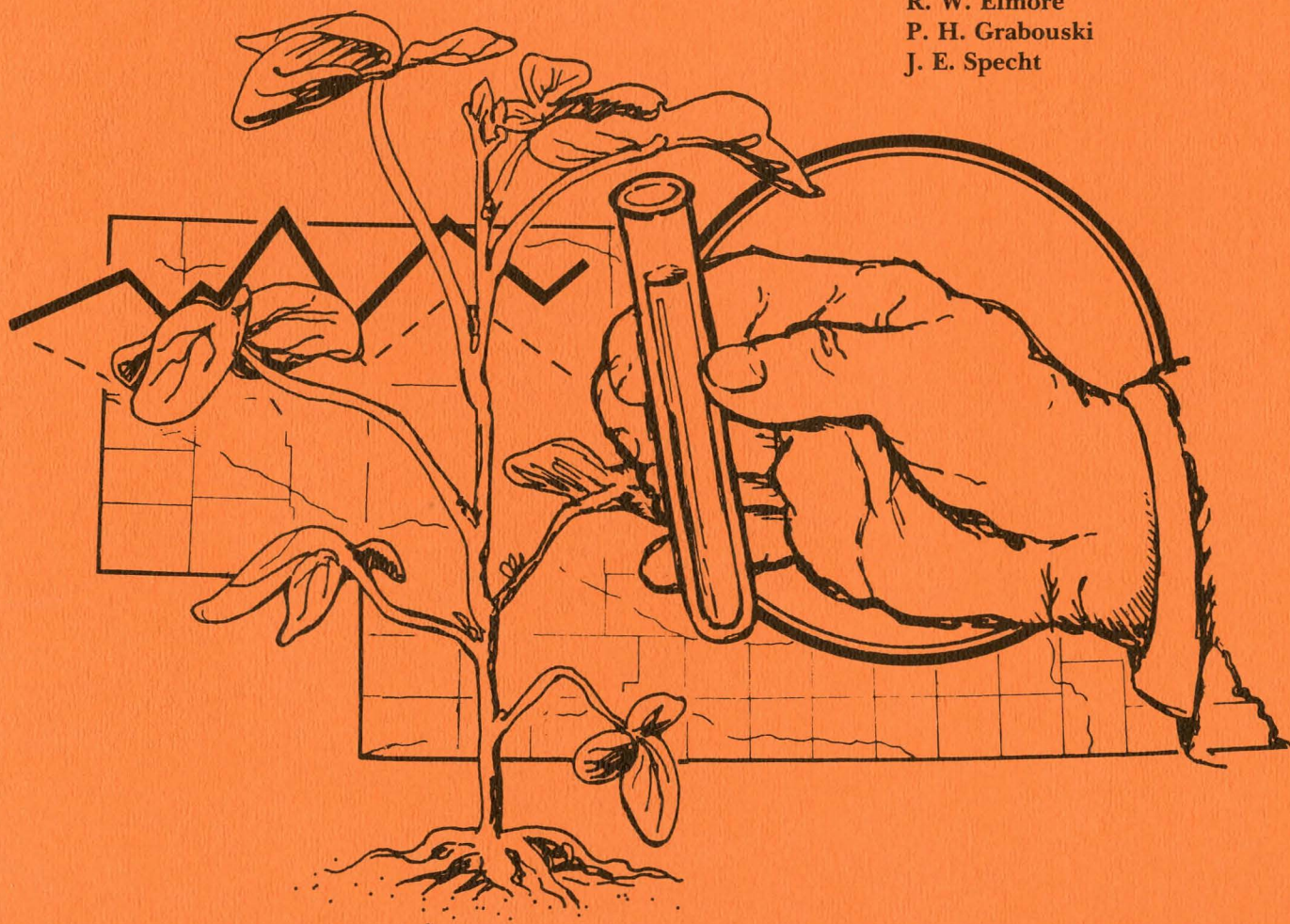
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JANUARY 1983 NEBRASKA COOPERATIVE EXTENSION SERVICE-E.C. 83-104

NEBRASKA SOYBEAN PERFORMANCE TESTS 1982

A. F. Dreier
J. H. Williams
R. S. Moomaw
R. W. Elmore
P. H. Grabouski
J. E. Specht



Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Leo E. Lucas, Director of Cooperative Extension Service, University of Nebraska, Institute of Agriculture and Natural Resources.



EXTENSION CIRCULAR 83-104

January 1983

FOREWORD

This circular is a progress report of soybean performance trials conducted by the variety evaluation and soybean breeding projects of the Agricultural Experiment Station. Cooperating were the Agronomy Department and the Northeast, South Central and North Platte Stations. Conduct of experiments and publication of results is a joint effort of the Agricultural Experiment Station and the Cooperative Extension Service.

Acknowledgment is made to station personnel, county extension agents and farmer cooperators who assisted in conduct of these tests. Tests were supported in part by fees collected from entrants. A grant from the Nebraska Soybean Development Utilization and Marketing Board enabled purchase of planting and harvest equipment necessary for conduct of East Central and Southeast trials. Special acknowledgment is made to James Novotny and Russell Lang of the Dodge County Extension Service for obtaining maturity data for that trial.

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NEBRASKA SOYBEAN PRODUCTION

The following data were obtained from Nebraska Agricultural Statistics.
In 1940, 13,000 acres of soybeans also were cut for hay.

Year	Harvested acres (ha) 000	Average yield bushels (kg/ha)	Production bushels (metric tons) 000
1940	4 (2)	14.0 (942)	56 (2)
1950	50 (20)	24.0 (1614)	1,200 (33)
1955	180 (73)	10.5 (706)	1,890 (52)
1956	146 (59)	11.5 (773)	1,679 (46)
1957	142 (58)	26.0 (1749)	3,692 (101)
1958	206 (83)	29.0 (1951)	5,974 (163)
1959	146 (59)	24.0 (1614)	3,504 (95)
1960	164 (66)	28.0 (1883)	4,592 (125)
1961	292 (118)	25.5 (1715)	7,446 (203)
1962	310 (126)	27.0 (1816)	8,370 (228)
1963	356 (144)	28.5 (1917)	10,146 (276)
1964	523 (212)	22.0 (1480)	11,506 (313)
1965	696 (282)	23.5 (1581)	16,356 (446)
1966	745 (302)	29.5 (1984)	21,978 (599)
1967	782 (317)	22.5 (1513)	17,595 (479)
1968	782 (317)	23.5 (1581)	18,377 (501)
1969	766 (310)	33.5 (2253)	25,661 (699)
1970	812 (329)	22.0 (1480)	17,864 (487)
1971	609 (247)	25.0 (1682)	15,225 (415)
1972	746 (302)	33.0 (2220)	24,618 (671)
1973	1,210 (490)	30.0 (2018)	36,300 (989)
1974	1,190 (482)	24.0 (1614)	28,560 (778)
1975	1,200 (486)	27.0 (1816)	32,400 (883)
1976	980 (397)	20.0 (1345)	19,600 (534)
1977	1,130 (458)	36.0 (2421)	40,680 (1108)
1978	1,250 (506)	34.0 (2287)	42,500 (1158)
1979	1,610 (652)	34.0 (2287)	54,740 (1491)
1980	1,770 (717)	30.0 (2018)	53,100 (1446)
1981	2,070 (838)	38.0 (2566)	78,660 (2142)
1982 ^{1/}	2,300 (932)	37.0 (2489)	85,100 (2318)

^{1/} November 1 estimate.

NEBRASKA SOYBEAN PERFORMANCE TESTS 1982

The November 1 estimated soybean yield for Nebraska was 37.0 bushels from 2.3 million harvested acres. Total production and acreage were records. The yield was one bushel below the record 38.0 bushels per acre produced in 1981.

Data were obtained from 13 trials at 7 locations in 1982 (Table 1). Experiment Station varieties were included in all trials. Privately developed varieties or blends were included in Northeast, East Central, Southeast and South Central irrigated tests.

PROCEDURE

Privately developed varieties were selected by the seed producer. At each location, entries were divided into early and late for convenience in handling. Three varieties were common to both early and late trials. Yields were calculated as a percentage of the average of these entries. These percentages, not bushel yields, should be used for comparisons of early and late entries at a location.

Names and addresses of entrants are shown in Table 2. A list of entries by brand name is shown in Table 3.

Entries were planted in four-row plots 15 to 35 feet long. Plots were replicated four times in a randomized complete block design. A planting rate of 9 seeds per foot in 30-inch rows (156,800 seeds per acre) was used unless a higher or lower rate was requested by the entrant. Elf and Hobbit also were planted at a 13.5 seeds per foot rate.

At harvest, two rows 10 to 30 feet long were threshed for yield. Reported yields are corrected to 13% moisture. Plots were rated mature when 95% of the pods had turned brown. Lodging scores were based on a 1 to 5 scale where 1 = all plants erect and 5 = all plants flat. Height was measured before harvest.

Seed quality and grams per 100 seeds data were obtained at some locations. Seed quality is rated on a 1 to 5 scale with 1 = best and 5 = poorest. Seeds per pound = $453.6 \times 100 \div \text{grams per 100 seeds}$. Seed weight data will be determined for all 1982 trials.

Metric equivalents and conversions are as follows:

1 centimeter	=	0.394 inches	cm	=	inches x 2.54
1 hectare	=	2.471 acres	ha	=	acres x 0.405
1 kilogram	=	2.205 pounds	kg	=	pounds x 0.454
1 hectoliter	=	2.838 bushels	hl	=	bushels x 0.352

Kilogram/hectare (kg/ha) = bu/A x 67.26 (60# bushel)

Table 1. Locations, cooperators and planting and harvest dates. Nebraska soybean performance tests. 1982. 4

Test	County	Cooperator	Planted	Harvested
Northeast early entries	Dixon	Arden Olson, Concord	June 9	October 18
Northeast late entries	Dixon	Arden Olson, Concord	June 9	October 17
East Central early entries	Dodge	Willis Bopp, Hooper	June 11	October 18
East Central late entries	Dodge	Willis Bopp, Hooper	June 11	October 25
Mead irrigated	Saunders	Mead Field Laboratory	June 4	November 2
Mead nonirrigated	Saunders	Mead Field Laboratory	June 4	November 2
Southeast early entries	Nemaha	Fred Gauchat, Brock	June 7	October 14
Southeast late entries	Nemaha	Fred Gauchat, Brock	June 7	October 15
South Central early entries	Clay	South Central Station	June 4	October 6
South Central early entries	Adams	Don Bruntz, Hastings	June 5	October 18
South Central late entries	Clay	South Central Station	June 4	October 13
South Central late entries	Adams	Don Bruntz, Hastings	June 5	October 21
Southwest irrigated	Perkins	Big Bryon Farms, Grant	June 10	----

Table 2. Entrants. Nebraska Soybean Performance Tests. 1982.

Brand	Entrant	Address
-----	Agricultural Experimental Station	Lincoln, NE 68583
AgriGold	AgriGold Seed Company	Boone, IA 50036
Agripro	Agripro Division, N.A.P.B.	Ames, IA 50010
Asgrow	Asgrow Seed Company	Kalamazoo, MI 49001
Country Brand	Country Brand Seeds, Inc.	Altoona, IA 50009
DeSoy	Dale Ewing	Jewell, IA 50130
Fontanelle	Fontanelle Hybrids	Nickerson, NE 68044
Funk	Funk Seeds International, Inc.	Bloomington, IL 61701
Gold Tag	Ferry-Morse Seed Company	Geneseo, IL 61254
Golden Harvest	Rab-Sec Company	Waterloo, NE 68069
Hoegemeyer	Hoegemeyer Hybrids	Hooper, NE 68031
Hofler	Hofler Seed Company	Nora Springs, IA 50458
Horizon	Horizon Seeds, Inc.	Lincoln, NE 68501
Hy-Vigor	Hy-Vigor Seeds, Inc.	Paullina, IA 51046
Jacques	Jacques Seed Company	Prescott, WI 54021
Jacobsen	Jacobsen Hybrid Corn Company	Lake View, IA 51450
J. M. Schultz	J. M. Schultz Seed Company	Dietrich, IL 62424
Kruger	Kruger Seed Company	Cedar Falls, IA 50613
Land O'Lakes	Land O'Lakes, Inc.	Webster City, IA 50595
Lewis	Lewis Seeds	Ursa, IL 62376
Lincoln Seed	Lincoln Seed	Sioux City, IA 51101
McCubbin	McCubbin Seed Farm, Inc.	Green Mountain, IA 50637
McCurdy	McCurdy Seed Company	Fremont, IA 52561
Merschman	Merschman Seed & Fertilizer, Inc.	West Point, IA 52656
Midwest Oilseeds	Midwest Oilseeds, Inc.	Adel, IA 50003
Migro	Migro	Mission, KS 66201
N.A.P.B.	North American Plant Breeders	Ames, IA 50010
Northrup King	Northrup King Company	Norfolk, NE 68701
Pfizer Genetics	Pfizer Genetics	Doniphan, NE 68832
Pine Grove Farm	Pine Grove Farm	Marcus, IA 51035
Pioneer	Pioneer Hybrid International	Waterloo, IA 50701
Prairie Brand	Prairie Brand	Story City, IA 50248
ProfiSeed	ProfiSeed, Inc.	Hampton, IA 50441
Ring Around	Ring Around Products, Inc.	Dallas, TX 75234
Riverside	Lynnville Seed Company	Lynnville, IA 50153
S Brand	Schechinger Seed Company	Harlan, IA 51537
Sands SOI	Sand Seed Service, Inc.	Marcus, IA 51035
Schettler	Schettler Seeds, Inc.	Carroll, IA 51401
Stine	Stine Seed Farm, Inc.	Adel, IA 50003
Stock Seed	Stock Seed Farms, Inc.	Murdock, NE 68407
Tri Valley	Tri Valley Seed Company	Omaha, NE 68137
WilsonBlend	Wilson Hybrids, Inc.	Harlan, IA 51537
Younkerman	Younkerman Seed Company	Council Bluffs, IA 51501

Table 3. Entries. Nebraska Soybean Performance Tests. 1982.

Brand	Entries ^{1/}
-----	Amcor (P), Amsoy 71 (P), Beeson 80 (P), Century (P), Corsoy 79 (P), Cumberland (P), Elf (P), Hardin (P), Hobbit (P), Lakota (P), Lawrence (P), Mead (P), Nebsoy (P), Oakland (P), Pella (P), Platte (P), Sparks (P), Union (P), Weber (P), Wells II (P), Will (P), Williams 79 (P), Williams 82 (P), Woodworth (P).
AgriGold	AG-Royal (P), AG-0077 (P), AG-2505 (B1), AG-2510 (P), AG-3605 (B1).
Agripro	AP200 (P), AP230 (P), AP240 (P), 25 (P), AP250 (P), AP350 (P).
Asgrow	A2575 (P), A2680 (P), A2858 (P), A3127 (P), A3659 (P), A3860 (P), A4268 (P).
Country Brand	Santana (P), Sunrise II (B1).
DeSoy	307 (B1), 750A (B1), 777A (B1), 875 (B1).
Fontanelle	4545 (P), 4747 (P), 5454 (P), 5656 (P), 6161 (P), 6262 (P), 63X (P), 6464 (P).
Funk	G-3340 (P), 12172 (P).
Golden Harvest	H1275, H1285, H1320, H1420, H1483.
Gold Tag	GT 1310, GT 1380.
Hoegemeyer	200 (P), 205 (P), 350 (P), 384 (P), 402 (P).
Hofler	GEM (P).
Horizon	42 (B1), 52 (B1).
Hy-Vigor	Hylander (P), P1010 (P), P110 (P), Shield (P), 606 (B1), 901 (B1), 905-10 (B1), 907-10 (B1), 909 (B1), P-3350 (P).
Jacques	J-103 (P), J-112 (P), J-125 (P), 114 (B1).
Jacobsen	Big Red (B1), Cyclone (B1), 822 (P), 823 (P).
Jim Schultz	JMS 3482 (P).
Kruger	KB252 (B1), KB254 (B1), KB365 (B1), K30358 (P), K3999 (P).
Land O'Lakes	L4104 (P), L4106 (P), L4204 (P), L4207 (P), L4303 (P).
Lewis	23 (P), 32A (B1), 37 (P), 43 (P).
Lincoln Seed	LS 7110, LS 7225 (P), LS 7340 (P).
McCubbin	Carson (P), EX 2240 (P), EX 2250 (P), EX 2270 (B1), EX 4290 (P), Leo II (P), Shiloh (P), Trey II (P), 1X 124 (P).
McCurdy	ML 3 (B1), 101+ (B1), 102+ (B1), 109+ (B1), 204+ (B1), 308+ (B1), 375B (B1), 500A (B1).
Merschman	Cheyenne II (P), Cleveland (P), Comanche (P), Dallas, Kennedy (P), Navaho III (P), Richmond (P), Shawnee II (P), Truman II (P), Washington V (P).
Midwest Oilseeds	3350 (P).
Migro	HP 3033 (P), HP 20-20 (P), HP 2530 (P), HP 3700 (P), 4800 (P).
N.A.P.B.	EX 3016 (P), EX 68225-32 (P), EX 68225-40 (P).
Northrup King	MV 24-59 (B1), MV 32-67 (B1), MV 39-19 (B1), MV 80 (B1), S 1492 (P), S 2596 (P), S 4044 (P).
Pfizer Genetics	CX 290 (P), CX 321 (P), CX 380 (P), EC 312 (P).
Pine Grove Farm	B-231 (B1), P-2240 (P), P-2260 (P), P-2330 (P), P-2400 (P), P-3310 (P).
Pioneer	Variety 3481 (P), Variety 3580 (P), Variety 3981 (P), Variety 4280 (P).
Prairie Brand	PB-320 (P), Zenith (P).
ProfiSeed	Trisoy 81 (B1), 1138 (P), 1280 (P), 1350 (P), 322 (P).

CONTINUED

Table 3. CONCLUDED.

Brand	Entries ^{1/}
Ring Around	RAX 84 (P), RAX 86 (P), RAX 87 (P), RAX 88 (P), RAX 97 (P), RAX 98 (P), RAX 99 (P), RAX 100 (P).
Riverside	202R (B1), 2024 (P), 3033 (P), 4042 (B1), 4044 (B1).
S Brand	S42A (P), S43B (B1), S44A (P), S45C (B1), S46B (B1), S46C (B1), S47B (P), S47C (B1), S50C (B1), S52A (B1), S54 (B1), S56 (B1), S56A (P), S60C (B1).
Sands	SOI 201-1 (P), SOI 205-1 (P), SOI 382-1 (P), SOI 390-1 (P).
Schettler	D 180B (B1), D 195B (B1), D 290 (P), D 310 (P), D 325 (P), DX 03-1 (P), TC 204A (P).
Stine	2050 (P), 2050D (B1), 2050T (B1), 2100A (P), 2210 (P), 3010 (P), 3060 (B1), 3102 (B1), 4100 (P), 4800 (P).
Stock Seed	SS462A (P), SS793 (P).
Tri Valley	Archer (P), Aspen (P), Brat (B1), Boss (B1), Bradley (P), Bronco (P), Bronco II (P), Bronco III (B1), Camero (B1), Capri (P), Charger (P), Charger III (P), Comet (B1), TV-38 (B1).
WilsonBlend	2505 (P), 2710 (B1), 2720 (B1), 3130 (B1), 3340 (B1), 3550 (B1), 3860 (B1).
Younkerman	Accord (P), Ambassador (P), Aries (P), Baron (P), Bobcat II (P), Cougar (B1) Cutlass (B1), VP-3 (P), YSC 24 (B1), YSC 32 (B1), YSC 35 (B1), YSC 35A (P), YSC 35B (P), YSC 37A (P), YSC 41 (B1), YSC 42 (B1).

^{1/} Letters in () indicate: (P) pure line; (B1) blend. These are not part of variety name.

PERFORMANCE

Entries are listed in tables in order of increasing maturity from earliest to latest. Maturity was later in 1982 than in 1981. For entries common in both years, maturity was 3 days later in Northeast, 10 days in East Central and 12 days in Southeast. Early varieties were more delayed than later ones.

Performance of entries cannot be measured with absolute accuracy because of variations in moisture, soil fertility and other factors. For this reason small yield differences have little significance. Differences required for significance are shown in each table at the 5% and 25% levels. This means that differences this great would be expected through chance alone in 1 of 20 or 1 of 4 trials, respectively.

Many soybean varieties have similar yield potentials. Early-maturing varieties are favored in some seasons and later-maturing varieties in others. Period-of-years averages provide a measure of performance over a range of environmental conditions.

This was the second year that privately developed entries were included in these trials. Period-of-years data for varieties included for two-, three-, four-, and five-years are reported.

8 Northeast

The 1982 data for Dixon County are shown in Tables 4 and 6, respectively. Stands were good. Moisture from mid-July through August was marginal. Frost on September 19 stopped growth. There was little correlation between maturity and yield in the early test. In the late test, later maturity was correlated with lower yields. Period-of-years data from this area are included in Tables 5 and 7.

East Central

Data from Dodge County are shown in Tables 8 and 10. Heavy rains packed soil and delayed emergence. Final stands were excellent. Seasonal conditions were favorable and an average yield of 55.1 bushels per acre was produced. In the early test, later maturity was correlated with higher yields. In the late test, later maturity was correlated with lower yields. Period-of-years data for Dodge County are shown in Tables 9 and 11.

Mead

The Soybean Breeding Project conducts numerous studies at the Mead Field Laboratory. These include evaluation of experimental and released strains as well as various cultural practices.

Irrigated and nonirrigated variety test data for 1982 are shown in Tables 12 and 13, respectively. All entries were Experiment Station releases. The irrigated trial was irrigated only once on August 5, but because of abnormally high rainfalls, there was little yield increase. Three-year data for these trials in 1980 and 1981 were watered once on July 31 and July 30, respectively. Three-year performance of varieties at Mead is shown in Tables 14 and 15.

Southeast

These trials in Nemaha County were on the same field as the 1981 tests. Emergence was good, growing conditions were generally favorable and good yields were produced (Tables 16 and 19). There was no correlation between maturity and yield in either trial. Period-of-years data for this area are shown in Tables 17, 18 and 20.

South Central Irrigated

Early and late trials were planted at two locations. Data from early entries in Clay County are shown in Table 21. Mechanical problems at planting in Adams County resulted in poor stands in many plots. Stands were counted and only those plots with over 60,000 plants per acre were included in final yield data (Table 22). Only 15 of the 37 varieties met this criteria. Only Clay County data were not included in period-of-years averages (Table 23).

Combined late entry data for Clay and Adams Counties are included in Table 24 and individual location data are shown in Tables 25 and 26, respectively. There was no correlation between maturity and yield. Period-of-years data for late entries are included in Table 27.

Southwest Irrigated

This trial was under sprinkler irrigation near Grant (Table 28). The small seed size indicates stress during the seed development period. Four-year yield data from this area are shown in Table 29.

TABLE 4. NORTHEAST SOYBEAN PERFORMANCE. DIXON COUNTY. EARLY ENTRIES. 1982.

BRAND	ENTRY	YIELD		MATURE DATE	LGDGING SCORE	HEIGHT INCHES
		BU/A	%			
YOUNKERMANN	AMBASSADOR	34.5	85	9-20	1.0	35
MC CUBBIN	EX 2240	38.2	94	9-22	1.0	34
MIGRO	HP 20-20	38.0	93	9-22	1.0	35
PINE GROVE FARM	P-2330	38.3	94	9-22	1.0	31
YOUNKERMANN	ACCORD	38.2	94	9-22	1.0	34
-----	LAKOTA	38.1	94	9-23	1.0	38
-----	WEBER	40.3	99	9-23	1.0	32
STINE	2100A	39.9	98	9-23	1.0	33
LINCOLN SEED	LS 7110	37.3	92	9-24	1.0	31
NAPB	EX3016	38.5	95	9-24	1.0	37
PROFISEED	1138	37.1	91	9-24	1.0	33
-----	HARDIN	42.6	105	9-25	1.3	34
AGRIPRO	AP200	42.2	104	9-25	1.0	37
ASGROW	A2575	41.8	103	9-25	1.0	36
PROFISEED	322	39.2	96	9-25	1.0	31
SCHETTLER	D 180B	38.1	94	9-25	1.0	37
TRI VALLEY	BRAT	36.4	90	9-25	1.0	31
AGRIGOLD	AG-2510	37.8	93	9-26	1.3	37
RIVERSIDE	4042	38.7	95	9-26	1.3	39
SCHETTLER	D 195B	39.5	97	9-26	1.0	30
TRI VALLEY	ARCHER	45.1	111	9-26	1.0	32
YOUNKERMANN	ARIES	40.7	100	9-26	1.0	32
-----	CORSOY 79	38.4	94	9-27	1.5	36
DESOY	307	41.2	101	9-27	1.0	35
GOLDEN HARVEST	H1275	38.6	95	9-27	1.0	31
HY-VIGOR	P1010	33.9	83	9-27	1.0	28
HY-VIGOR	P110	35.3	87	9-27	1.0	33
HY-VIGOR	901	37.9	93	9-27	1.0	35
HY-VIGOR	907-10	36.1	89	9-27	1.0	34
MC CURDY	102+	41.5	102	9-27	1.0	37
MERSCHMAN	COMANCHE	39.5	97	9-27	1.0	31
MERSCHMAN	NAVAHO III	37.8	93	9-27	1.0	34
PINE GROVE FARM	B-231	39.6	97	9-27	1.0	33
RING AROUND	RAX 97	41.6	102	9-27	1.0	35
S BRAND	S42A	38.1	94	9-27	1.0	32
SOYGRO	L4303	35.5	87	9-27	1.0	30
ASGROW	A2680	37.4	92	9-28	1.0	32
MC CUBBIN	EX 2250	39.5	97	9-28	1.0	32
MC CURDY	204+	39.2	96	9-28	1.0	36
MIGRO	HP 2530	40.5	100	9-28	1.0	34
NORTHROP KING	MV 24-59	37.1	91	9-28	1.0	33
RIVERSIDE	4044	38.2	94	9-28	1.0	38
S BRAND	S43B	41.9	103	9-28	1.0	32
S BRAND	S44A	41.2	101	9-28	1.0	33
SANDS	SOI 201-1	40.4	99	9-28	1.0	32
-----	AMSOY 71	40.3	99	9-29	1.5	44
-----	CENTURY	41.4	102	9-29	1.0	33
-----	PLATTE	42.7	105	9-29	1.0	36
AGRIPRO	AP230	34.3	84	9-29	1.0	27
DESOY	750A	39.7	98	9-29	1.0	35
JACQUES	J-103	37.8	93	9-29	1.0	31
NORTHROP KING	S 1492	38.4	94	9-29	1.0	35
PFIZER GENETICS	CX290	38.4	94	9-29	1.0	37
PROFISEED	1280	39.3	97	9-29	1.0	35
RING AROUND	RAX 98	42.6	105	9-29	1.0	33
TRI VALLEY	ASPEN	43.9	108	9-29	1.0	36
FONTANELLE	4545	41.5	102	9-30	1.3	36
FONTANELLE	4747	39.4	97	10- 1	1.0	32
AVERAGE ALL ENTRIES		39.1	---	9-27	1.0	33.9
DIF. REQ. FOR SIG. 5%		3.7	---	1.5	0.2	2.7
25%		2.2	---	0.9	0.1	1.6

Yield in bushels per acre and % of average of Amsoy 71, Century and Weber. The % yield should be used to make comparisons with entries in the late test in this area.

TABLE 5. NORTHEAST SOYBEAN PERFORMANCE. DIXON COUNTY. EARLY ENTRIES. 1978-1982.

BRAND	ENTRY	YIELD		MATURE	LCDGING	HEIGHT
		BU/A	%	DATE	SCORE	INCHES
TWO-YEAR AVERAGE						
-----	LAKOTA	45.7	99	9-19	2.1	39
YOUNKERMANN	AMBASSADOR	44.5	96	9-19	2.4	38
MIGRO	HP 20-20	45.6	99	9-20	1.6	37
-----	HARDIN	45.0	97	9-22	2.7	35
-----	WEBER	46.1	100	9-23	2.0	36
STINE	2100A	48.3	104	9-23	1.3	36
AGRIPRO	AP200	46.2	100	9-24	1.6	38
ASGROW	A2575	47.4	103	9-24	1.4	39
MERSCHMAN	NAVAHO III	43.2	93	9-24	1.4	38
PROFISEED	1138	44.8	97	9-24	1.9	38
-----	CORSOY 79	46.1	104	9-25	2.3	39
MC CURDY	102+	46.3	100	9-25	2.0	39
ASGROW	A2580	44.5	96	9-26	2.3	35
MIGRO	HP 2530	47.0	102	9-26	1.9	36
NORTHRUP KING	MV 24-59	46.2	100	9-26	1.5	36
NORTHRUP KING	S 1492	45.8	99	9-26	1.7	36
PROFISEED	1280	46.4	100	9-26	2.0	38
-----	AMSOY 71	43.3	94	9-27	2.4	44
-----	CENTURY	49.3	107	9-27	1.5	37
FONTANELLE	4747	46.3	100	9-29	1.5	36
AVERAGE ALL ENTRIES		46.0		9-24	1.9	37.5
DIF. REQ. FOR SIG. 5%		6.1		2.9	1.0	4.0
25%		3.5		1.7	0.6	2.3
THREE-YEAR AVERAGE						
-----	HARDIN	49.4	101	9-20	2.1	34
-----	WEBER	50.5	103	9-20	1.7	32
-----	CORSOY 79	50.8	104	9-22	1.9	37
-----	CENTURY	50.5	103	9-25	1.3	34
-----	AMSOY 71	46.1	94	9-26	2.1	41
AVERAGE ALL ENTRIES		49.4		9-23	1.8	35.6
DIF. REQ. FOR SIG. 5%		7.3		3.0	0.8	4.9
25%		3.9		1.6	0.4	2.6
FOUR-YEAR AVERAGE						
-----	CORSOY 79	54.2	103	9-23	2.0	38
-----	WEBER	53.8	102	9-23	1.7	34
-----	AMSOY 71	50.3	96	9-27	2.1	43
-----	CENTURY	53.8	102	9-27	1.3	36
AVERAGE ALL ENTRIES		53.0		9-25	1.8	37.8
DIF. REQ. FOR SIG. 5%		4.9		3.1	0.5	3.0
25%		2.7		1.7	0.3	1.6
FIVE-YEAR AVERAGE						
-----	AMSOY 71	49.8		9-27	2.2	43

% yield based on average of Amsoy 71, Century and Weber.

TABLE 6. NORTHEAST SOYBEAN PERFORMANCE. DIXON COUNTY. LATE ENTRIES. 1982.

BRAND	ENTRY	YIELD		MATURE DATE	LOADING SCORE	HEIGHT INCHES
		BU/A	%			
-----	WEBER	40.1	99	9-24	1.0	32
TRI VALLEY	BOSS	38.3	94	9-27	1.0	32
YOUNKERMANN	BARON	41.2	101	9-27	1.0	34
HOEGEMEYER	200	43.3	107	9-28	1.0	34
JACOBSEN	CYCLONE	39.2	96	9-28	1.0	35
RING AROUND	RAX 100	38.2	94	9-28	1.0	34
STINE	2210	42.0	103	9-28	1.0	33
-----	AMSOY 71	41.0	101	9-29	1.0	41
-----	CENTURY	40.8	100	9-29	1.0	33
-----	NEBSOY	39.2	96	9-29	1.0	33
-----	PLATTE	40.0	98	9-29	1.0	36
AGRIGOLD	AG-ROYAL	43.4	107	9-29	1.0	36
AGRIGOLD	AG-2505	40.8	100	9-29	1.0	34
HOFER	GEM	42.0	103	9-29	1.0	37
HORIZON	42	37.0	91	9-29	1.0	33
JACOBSEN	822	38.4	95	9-29	1.0	33
LAND O'LAKES	L4204	42.8	105	9-29	1.3	36
LINCOLN SEED	LS 7225	42.4	104	9-29	1.0	36
MC CUBBIN	SHILOH	42.2	104	9-29	1.0	36
MERSCHMAN	CHEYENNE II	39.6	97	9-29	1.0	35
MERSCHMAN	SHAWNEE II	41.3	102	9-29	1.0	34
MIGRO	HP 3033	41.1	101	9-29	1.0	34
MIGRO	HP 2530	44.1	109	9-29	1.0	33
NORTHROP KING	S 2596	40.4	99	9-29	1.0	31
PINE GROVE FARM	P-2260	38.9	96	9-29	1.3	36
PINE GROVE FARM	P-2400	41.9	103	9-29	1.0	34
PROFISEED	1350	41.7	103	9-29	1.0	37
RING AROUND	RAX 99	41.6	102	9-29	1.0	31
S BRAND	S45C	39.2	96	9-29	1.0	32
S BRAND	S46B	41.0	101	9-29	1.0	34
SCHETTLER	TC 204A	41.1	101	9-29	1.0	34
STINE	2050	40.4	99	9-29	1.0	33
TRI VALLEY	BRADLEY	45.3	111	9-29	1.0	35
TRI VALLEY	BRONCO	42.8	105	9-29	1.0	35
WILSONBLEND	2710	41.2	101	9-29	1.0	36
YOUNKERMANN	BOBCAT II	42.6	105	9-29	1.0	36
-----	MEAD	40.1	99	9-30	1.0	32
ASGROW	A2353	37.9	93	9-30	1.0	32
ASGROW	A3127	36.0	89	9-30	1.0	32
COUNTRY BRAND	SUNRISE II	40.7	100	9-30	1.0	37
GOLDEN HARVEST	H1285	44.9	111	9-30	1.0	36
HOEGEMEYER	205	42.4	104	9-30	1.0	35
MC CURDY	3753	37.9	93	9-30	1.0	34
RIVERSIDE	3033	45.6	112	9-30	1.0	35
S BRAND	S47B	42.7	105	9-30	1.0	34
SANDS	SOI 205-1	44.3	109	9-30	1.0	36
WILSONBLEND	2505	43.8	108	9-30	1.0	37
WILSONBLEND	2720	38.9	96	9-30	1.0	34
-----	PELLA	42.6	105	10- 1	1.0	36
FUNK	G-3340	42.0	103	10- 1	1.0	36
LAND O'LAKES	L4207	38.6	95	10- 1	1.5	35
-----	WOODWORTH	39.6	97	10- 2	1.0	35
FUNK	12172	38.5	95	10- 2	1.0	34
FONTANELLE	5656	37.9	93	10- 3	1.0	39
LINCOLN SEED	LS 7340	42.4	104	10- 3	1.0	34
PFIZER GENETICS	CX321	42.1	104	10- 3	1.0	33
-----	WILL	33.0	81	10- 4	1.0	32
-----	HOBBSIT	41.8	103	10- 4	1.0	28
FONTANELLE	5454	36.4	90	10- 4	1.0	36
MIGRO	HP 3700	34.6	85	10- 4	1.3	36
JACQUES	J-112	34.3	84	10- 6	1.0	40
AVERAGE ALL ENTRIES		40.6	---	10- 3	1.0	34.5
DIF. REQ. FOR SIG. 5%		5.4	---	1.9	0.2	2.8
25%		3.2	---	1.1	0.1	1.6

Yield in bushels per acre and % of average of Amsoy 71, Century and Weber. The % yield should be used to make comparisons with entries in the early test in this area.

TABLE 7. NORTHEAST SOYBEAN PERFORMANCE. DIXON COUNTY. LATE ENTRIES. 1978-1982.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
TWO-YEAR AVERAGE						
-----	WEBER	44.5	102	9-23	1.9	35
STINE	2210	47.9	109	9-25	1.4	37
-----	NEBSOY	41.0	94	9-26	1.9	36
-----	PLATTE	43.0	98	9-26	1.5	38
NORTHRUP KING	S 2596	46.8	107	9-26	1.1	34
-----	AMSOY 71	40.3	92	9-27	1.9	41
-----	CENTURY	46.6	106	9-27	1.5	37
JACOBSEN	822	46.5	106	9-27	1.3	36
MIGRO	HP 2530	46.3	106	9-27	1.8	36
WILSONBLEND	2710	44.3	101	9-27	1.5	38
MERSCHMAN	SHAWNEE II	46.1	105	9-28	1.5	37
SCHETTLER	TC 204A	47.0	107	9-28	1.9	36
TRI VALLEY	BRONCO	47.5	108	9-28	1.8	38
-----	MEAD	44.2	101	9-29	1.5	35
ASGROW	A2858	42.3	97	9-29	2.0	33
HOEGEMEYER	205	47.0	107	9-29	1.8	37
S BRAND	S468	50.3	115	9-29	1.5	36
S BRAND	S478	48.0	110	9-29	1.5	38
STINE	2050	47.0	107	9-29	1.8	37
ASGROW	A3127	43.2	99	9-30	1.5	34
WILSONBLEND	2505	45.7	104	9-30	2.0	38
WILSONBLEND	2720	44.7	102	9-30	1.5	38
YOUNKERMANN	BOBCAT II	47.2	108	9-30	1.8	38
-----	PELLA	46.6	106	10- 2	1.5	39
-----	WILL	38.1	87	10- 2	1.5	37
-----	WOODWORTH	44.2	101	10- 2	1.6	39
FONTANELLE	5656	43.0	98	10- 4	1.9	42
MIGRO	HP 3700	39.5	90	10- 4	1.7	39
AVERAGE ALL ENTRIES		45.0		9-29	1.6	37.1
DIF. REQ. FOR SIG. 5%		5.9		3.6	0.7	3.2
25%		3.3		2.0	0.4	1.8
THREE-YEAR AVERAGE						
-----	WEBER	49.4	104	9-20	1.6	32
-----	CENTURY	48.7	103	9-25	1.3	34
-----	NEBSOY	45.1	95	9-25	1.6	33
-----	PLATTE	46.9	99	9-25	1.4	36
-----	AMSOY 71	44.0	93	9-26	1.8	39
-----	MEAD	47.0	99	9-27	1.3	33
-----	PELLA	49.7	105	9-29	1.3	37
-----	WILL	43.3	91	9-30	1.5	35
AVERAGE ALL ENTRIES		46.8		9-26	1.5	34.9
DIF. REQ. FOR SIG. 5%		4.8		3.4	0.5	3.2
25%		2.7		1.9	0.3	1.8
FOUR-YEAR AVERAGE						
-----	WEBER	53.0	103	9-23	1.7	33
-----	AMSOY 71	48.8	95	9-27	1.8	42
-----	CENTURY	52.5	102	9-27	1.3	36
-----	NEBSOY	49.1	95	9-27	1.6	35
-----	PLATTE	51.8	101	9-27	1.3	38
-----	MEAD	53.8	105	9-28	1.3	35
-----	PELLA	56.2	109	9-30	1.4	38
-----	WILL	48.8	95	10- 1	1.5	36
AVERAGE ALL ENTRIES		51.8		9-28	1.5	36.6
DIF. REQ. FOR SIG. 5%		4.9		2.7	0.4	2.4
25%		2.8		1.6	0.2	1.3
FIVE-YEAR AVERAGE						
-----	NEBSOY	49.2		9-26	1.7	36
-----	AMSOY 71	48.6		9-27	2.0	42
AVERAGE ALL ENTRIES		48.9		9-27	1.9	39.0
DIF. REQ. FOR SIG. 5%		N.S.		N.S.	N.S.	3.4
25%		N.S.		N.S.	0.2	1.8
% yield based on average of Amsoy 71, Century and Weber.						

% yield based on average of Amsoy 71, Century and Weber.

TABLE 8. EAST CENTRAL SOYBEAN PERFORMANCE. DODGE COUNTY. EARLY ENTRIES. 1982.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
-----	WEBER	49.0	93	9-26	1.0	33
-----	WELLS II	52.0	99	9-27	1.0	38
-----	CORSOY 79	55.4	105	9-28	2.5	40
HY-VIGOR	SHIELD	49.8	95	9-28	1.3	33
HY-VIGOR	606	45.3	86	9-28	2.3	40
HY-VIGOR	905-10	53.7	102	9-29	2.0	37
RING AROUND	RAX 84	47.9	91	9-28	1.5	40
ASGROW	A2680	52.4	99	9-29	2.0	36
RIVERSIDE	4042	53.6	102	9-29	1.8	40
RIVERSIDE	4044	54.8	104	9-29	2.0	42
TRI VALLEY	BRONCO III	53.0	101	9-29	1.3	35
-----	AMSOY 71	51.7	98	9-30	2.0	44
-----	CENTURY	52.6	100	9-30	1.0	35
-----	NEBSOY	48.9	93	9-30	1.3	35
-----	PLATTE	55.2	105	9-30	1.0	37
AGRIPRO	AP240	54.9	104	9-30	1.0	33
HY-VIGOR	909	52.4	99	9-30	2.0	40
MC CURDY	101+	55.1	105	9-30	2.0	39
NORTHROP KING	S 1492	56.1	107	9-30	2.0	36
PINE GROVE FARM	P-2400	54.3	103	9-30	1.3	35
PROFISEED	TRISOY 81	53.6	102	9-30	2.0	37
PROFISEED	1280	53.4	101	9-30	1.8	37
RING AROUND	RAX 86	47.1	89	9-30	1.8	44
-----	BEESON 80	49.2	93	10- 1	1.3	38
MIGRO	HP 2530	52.7	100	10- 1	1.3	33
JACOBSEN	823	58.3	111	10- 2	2.0	39
MC CUBBIN	SHILOH	53.0	101	10- 2	1.8	38
MERSCHMAN	SHAWNEE II	56.4	107	10- 2	1.3	36
NORTHROP KING	S 2596	54.8	104	10- 2	1.0	31
PINE GROVE FARM	P-2240	52.8	100	10- 2	1.3	33
AGRIGOLD	AG-RDYL	57.4	109	10- 3	2.3	40
HORIZON	42	55.4	105	10- 3	1.0	34
LINCOLN SEED	LS 7225	57.5	109	10- 3	2.0	39
STINE	20500	57.5	109	10- 3	1.8	39
LAND O'LAKES	L4207	58.2	111	10- 4	3.0	38
MIGRO	HP 3033	54.0	103	10- 4	1.5	35
S BRAND	S45C	58.8	112	10- 4	1.8	37
S BRAND	S47B	58.9	112	10- 4	1.8	37
S BRAND	S47C	57.4	109	10- 4	1.5	36
SCHETTLER	TC 204A	57.7	110	10- 4	1.3	38
STINE	2050	58.8	112	10- 4	1.5	38
TRI VALLEY	BRONCO	59.3	113	10- 4	2.3	37
WILSONBLEND	2720	55.0	104	10- 4	2.0	39
YOUNKERMEN	BUBCAT II	58.0	110	10- 4	2.5	40
YOUNKERMEN	YSC 24	58.3	111	10- 4	1.5	36
-----	AMCUB	55.8	106	10- 5	2.3	43
ASGROW	A2858	55.0	104	10- 5	1.5	35
HOEGEMEYER	205	57.1	108	10- 5	1.8	38
LAND O'LAKES	L4204	56.5	107	10- 5	2.3	37
MC CUBBIN	1X 124	61.5	117	10- 5	2.0	36
MERSCHMAN	CHEYENNE II	59.0	112	10- 5	1.3	37
PFIZER GENETICS	EC312	56.4	107	10- 5	2.0	38
PRAIRIE BRAND	ZENITH	60.4	115	10- 5	2.0	38
STOCK SEED	SS462A	60.1	114	10- 5	2.3	37
TRI VALLEY	BRADLEY	60.2	114	10- 5	2.0	37
WILSONBLEND	2505	60.7	115	10- 6	2.5	39
-----	MEAD	54.3	103	10- 6	1.0	33
FUNK	12172	54.5	103	10- 6	2.0	37
KRUGER	K8252	56.4	107	10- 6	2.0	39
YOUNKERMEN	YSC 32	60.9	116	10- 6	2.3	39
FUNK	G-3340	56.2	107	10- 7	3.0	42
-----	WOODWORTH	51.1	97	10- 8	2.3	40
FONTANELLE	5656	56.0	106	10- 9	2.3	44
FONTANELLE	5454	56.7	108	10-11	2.0	43
JACQUES	J-112	49.5	94	10-16	3.3	49
AVERAGE ALL ENTRIES		55.1	---	10- 3	1.8	37.8
DIF. REQ. FOR SIG.	5%	5.0	---	2.2	0.2	3.0
	25%	2.9	---	1.3	0.1	1.8

Yield in bushels per acre and % of average of Century, Mead and Woodworth. The % yield should be used to make comparisons with entries in the late test in this area.

TABLE 9. EAST CENTRAL SOYBEAN PERFORMANCE. DODGE COUNTY. EARLY ENTRIES. 1980-1982.

BRAND	ENTRY	YIELD		MATURE DATE	LGDGING SCORE	HEIGHT INCHES
		BU/A	%			
TWO-YEAR AVERAGE						
-----	WEBER	45.1	94	9-18	1.0	32
-----	WELLS II	47.4	99	9-20	1.0	37
-----	CORSOY 79	49.4	103	9-21	1.8	38
ASGROW	A2680	48.2	101	9-22	1.5	35
NORTHRUP KING	S 1492	50.2	105	9-22	1.5	35
-----	AMSOY 71	46.3	97	9-23	1.5	43
-----	NEBSOY	44.5	93	9-23	1.1	33
-----	PLATTE	49.8	104	9-23	1.0	36
MERSCHMAN	SHAWNEE II	50.7	106	9-24	1.1	35
MIGRO	HP 2530	47.6	100	9-24	1.1	33
NORTHRUP KING	S 2596	50.3	105	9-24	1.0	31
-----	BEESON 80	44.6	93	9-25	1.1	37
-----	CENTURY	48.0	100	9-25	1.0	34
HORIZON	42	48.5	102	9-25	1.0	33
JACOBSEN	823	51.7	108	9-25	1.5	37
YOUNKERMAN	BOBCAT II	53.3	112	9-26	1.8	38
-----	AMCOR	50.1	105	9-27	1.9	43
HOEGEMEYER	205	52.1	109	9-27	1.4	37
STINE	2050	53.0	111	9-27	1.3	36
TRI VALLEY	BRONCO	53.4	112	9-27	1.6	37
WILSONBLEND	2505	54.5	114	9-27	1.8	37
YOUNKERMAN	YSC 24	52.6	110	9-27	1.3	36
ASGROW	A2853	49.1	103	9-28	1.3	34
TRI VALLEY	BRADLEY	54.0	113	9-28	1.5	36
WILSONBLEND	2720	48.3	101	9-28	1.5	36
-----	MEAD	47.9	100	9-30	1.0	33
-----	WOODWORTH	47.4	99	10- 1	1.6	40
FONTANELLE	5656	49.8	104	10- 2	1.6	42
AVERAGE ALL ENTRIES		49.6		9-25	1.4	36.2
DIF. REQ. FOR SIG. 5%		2.6		2.8	N.S.	2.4
25%		1.5		1.4	N.S.	1.3

% yield based on average of Century, Mead and Woodworth.

TABLE 10. EAST CENTRAL SOYBEAN PERFORMANCE. DODGE COUNTY. LATE ENTRIES. 1982.

BRAND	ENTRY	YIELD		MATURE DATE	LCOGING SCORE	HEIGHT INCHES
		BU/A	%			
-----	CENTURY	50.9	99	10- 3	1.0	36
-----	MEAD	52.0	101	10- 4	1.0	37
JACOBSEN	BIG RED	55.8	109	10- 4	2.0	43
MIGRO	HP 3033	57.9	113	10- 4	1.5	40
MIGRO	HP 2530	58.2	114	10- 4	1.0	35
PINE GROVE FARM	P-2260	57.6	112	10- 4	2.3	39
PROFISEED	1350	55.5	108	10- 4	2.0	39
AGRIPRO	AP250	51.4	100	10- 5	2.0	45
MC CUBBIN	EX 2270	58.6	114	10- 5	2.0	40
RIVERSIDE	3033	56.6	110	10- 5	2.3	39
TRI VALLEY	CAPRI	54.1	106	10- 5	2.0	37
LINCOLN SEED	LS 7340	57.1	111	10- 6	1.5	41
RING AROUND	RAX 87	54.0	105	10- 6	1.8	41
DESOY	777A	55.6	108	10- 7	1.8	39
FONTANELLE	6161	55.3	108	10- 7	2.0	42
MC CURDY	375B	58.2	114	10- 7	2.5	39
SANDS	SOI 390-1	57.3	112	10- 7	2.8	41
STINE	3102	62.1	121	10- 7	2.5	39
STOCK SEED	SS793	57.8	113	10- 7	2.0	41
-----	WOODWORTH	50.9	99	10- 8	2.5	41
DESOY	875	55.6	108	10- 8	2.5	42
HOEGEMEYER	350	57.2	112	10- 8	2.3	41
S BRAND	S52A	57.1	111	10- 8	2.5	40
SCHETTLER	D 290	54.2	106	10- 8	2.3	43
-----	PELLA	58.3	114	10- 9	2.0	42
ASGROW	A3127	55.4	108	10- 9	1.8	37
HOEGEMEYER	384	54.8	107	10- 9	2.8	43
HY-VIGOR	HYLANDER	51.6	101	10- 9	2.8	42
MC CUBBIN	LEO II	56.3	110	10- 9	2.3	43
MC CUBBIN	TROY II	58.9	115	10- 9	2.8	40
MERSCHMAN	TRUMAN II	59.5	116	10- 9	2.5	40
PRAIRIE BRAND	PB-320	55.9	109	10- 9	2.8	46
RING AROUND	RAX 88	49.9	97	10- 9	1.8	44
S BRAND	S56	57.3	112	10- 9	3.3	40
S BRAND	S56A	58.6	114	10- 9	2.5	41
SANDS	SOI 382-1	55.9	109	10- 9	3.0	43
STINE	3010	60.1	117	10- 9	3.0	40
TRI VALLEY	COMET	55.6	108	10- 9	2.0	41
WILSONBLEND	3130	53.7	105	10- 9	2.5	42
WILSONBLEND	3550	57.8	113	10- 9	2.8	43
YOUNKERMEN	COUGAR	57.1	111	10- 9	2.5	43
YOUNKERMEN	CUTLASS	57.0	111	10- 9	2.8	40
-----	CUMBERLAND	56.2	110	10-10	3.0	42
-----	OAKLAND	54.1	106	10-10	2.0	42
-----	WILL	47.1	92	10-10	2.3	39

CONTINUED

TABLE 10. CONCLUDED.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
AGRIGOLD	AG-0077	53.5	104	10-10	2.8	44
COUNTRY BRAND	SANTANA	55.8	109	10-10	3.0	43
GOLD TAG	GT 1310	54.0	105	10-10	2.5	44
LAND O'LAKES	L4104	54.2	106	10-10	2.8	42
MC CURDY	308+	55.7	109	10-10	2.8	45
MERSCHMAN	WASHINGTON V	56.6	110	10-10	2.5	43
PIONEER	VARIETY 3580	50.6	99	10-10	2.0	42
RIVERSIDE	202R	56.2	110	10-10	2.0	42
SCHETTLER	D 310	51.2	100	10-10	2.0	43
YOUNKERMANN	YSC 37A	57.6	112	10-10	3.0	43
HORIZON	52	57.2	112	10-11	2.8	44
NORTHROP KING	MV 32-67	54.0	105	10-11	3.3	45
WILSONBLEND	3340	54.5	106	10-11	2.8	44
-----	HOBBIT	57.3	112	10-12	1.0	26
JACQUES	114	49.0	96	10-12	2.5	43
MC CURDY	ML 3	50.7	99	10-12	2.5	49
TRI VALLEY	BRONCO II	58.5	114	10-12	2.5	45
ASGROW	A3659	54.3	106	10-13	1.0	38
PFIZER GENETICS	CX380	47.6	93	10-13	2.3	44
PIONEER	VARIETY 3481	56.0	109	10-13	2.5	41
KRUGER	KB365	51.8	101	10-14	2.8	46
KRUGER	K3999	54.7	107	10-14	3.0	37
MIGRO	HP 3700	53.9	105	10-14	2.0	43
PIONEER	VARIETY 3981	54.4	106	10-14	2.3	43
-----	WILLIAMS 79	52.2	102	10-15	2.5	44
-----	WILLIAMS 82	52.4	102	10-15	2.8	43
AGRIGOLD	AG-3605	56.0	109	10-16	2.8	44
ASGROW	A3860	49.9	97	10-16	3.3	42
-----	ELF	54.9	107	10-18	1.0	29
AVERAGE ALL ENTRIES		55.1	---	10- 9	2.3	41.3
DIF. REQ. FOR SIG.	5%	4.7	---	1.9	0.6	2.9
	25%	2.8	---	1.1	0.4	1.7

Yield in bushels per acre and % of average of Century, Mead and Woodworth. The % yield should be used to make comparisons with entries in the early test in this area.

CONTINUED

TABLE 11. EAST CENTRAL SOYBEAN PERFORMANCE. DODGE COUNTY. LATE ENTRIES. 1981-1982.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
TWO-YEAR AVERAGE						
-----	CENTURY	46.8	100	9-27	1.0	35
MIGRO	HP 2530	50.8	109	9-27	1.0	34
-----	MEAD	47.8	103	9-29	1.0	35
AGRIPRO	AP250	48.2	103	9-29	1.5	42
S BRAND	S52A	53.2	114	9-30	1.8	38
STOCK SEED	SS793	50.9	109	9-30	1.5	38
-----	PELLA	50.9	109	10- 1	1.5	40
-----	WOODWORTH	45.3	97	10- 1	1.8	39
FONTANELLE	6161	50.8	109	10- 1	1.5	39
S BRAND	S56	50.2	108	10- 1	2.1	38
WILSONBLEND	3130	49.7	107	10- 1	1.8	40
WILSONBLEND	3550	50.1	107	10- 1	1.9	40
YOUNKERMAN	CUTLASS	51.8	111	10- 1	1.9	39
-----	WILL	45.3	97	10- 2	1.6	38
ASGROW	A3127	51.6	111	10- 2	1.4	36
HOEGEMEYER	384	50.9	109	10- 2	1.9	42
MERSCHMAN	WASHINGTON V	50.5	108	10- 2	1.8	41
STINE	3010	52.4	112	10- 2	2.0	38
YOUNKERMAN	COUGAR	51.8	111	10- 2	1.8	41
-----	CUMBERLAND	49.3	106	10- 3	2.0	40
MC CURDY	308+	48.7	104	10- 3	1.9	45
NORTHRUP KING	MV 32-67	48.6	104	10- 3	2.1	41
TRI VALLEY	BRONCO II	52.6	113	10- 3	1.8	43
WILSONBLEND	3340	51.5	110	10- 3	1.9	41
-----	HOBBIT	50.2	108	10- 4	1.0	28
-----	OAKLAND	47.9	103	10- 4	1.5	41
MC CURDY	ML 3	46.1	99	10- 4	1.8	47
ASGROW	A3659	48.8	105	10- 6	1.0	36
PFIZER GENETICS	CX380	44.1	95	10- 6	1.6	42
-----	WILLIAMS 79	46.3	99	10- 7	1.8	42
MIGRO	HP 3700	48.1	103	10- 7	1.5	41
ASGROW	A3860	45.0	96	10- 8	2.1	40
-----	ELF	48.5	104	10- 9	1.0	29
AVERAGE ALL ENTRIES		49.2		10- 3	1.6	39.1
DIF. REQ. FOR SIG. 5%		4.4		2.6	N.S.	3.3
25%		2.5		1.5	N.S.	1.9

% yield based on average of Century, Mead and Woodworth.

Table 12. Mead irrigated soybean performance. Saunders County. 1982.

Entry	Yield bu/A	Mature date	Lodging score	Height inches	Seed quality	Grams 100 seeds	Seeds/ plant ^{1/}	1000 Plants per acre ^{2/}
Weber	49.9	9-27	2.4	35	1.0	15.3	68	130
Corsoy 79	50.3	9-30	3.3	41	1.3	17.4	60	131
Nebsoy	53.5	10- 1	1.8	36	1.9	20.2	57	130
Platte	54.6	10- 3	2.0	40	1.6	18.8	45	178
Century	54.5	10- 4	1.6	39	1.0	21.1	52	137
Mead	51.0	10- 7	1.5	37	1.1	16.4	57	149
Amcor	52.6	10- 9	4.3	47	1.9	19.5	43	169
Gnome	54.9	10-10	2.8	25	1.0	18.3	38	220
Woodworth	47.6	10-10	2.9	44	1.0	16.8	61	128
Oakland	48.6	10-11	2.5	39	1.0	20.1	45	149
Will	52.7	10-11	2.4	39	1.0	18.3	55	142
Hobbit	60.7	10-12	1.8	27	1.0	18.6	41	218
Williams 79	53.7	10-14	2.5	43	1.0	19.4	60	125
Union	48.9	10-17	3.6	49	1.0	20.5	40	161
Elf	56.8	10-20	1.9	26	1.0	18.5	35	242
Dif. req. sig. 5%	5.8	1.8	0.6	4.1	0.3	1.1	12.3	29

^{1/} Average number of seeds/plant calculated from seed yield, 100-seed weight, and average number of plants/acre.

^{2/} Based upon plant counts taken after complete emergence. Actual viable seeding rates were 150,000 seeds/acre (8.6 seeds/ft.) for indeterminate varieties and 225,000 seeds/acre (12.9 seeds/ft.) for determinate varieties (Gnome, Hobbit, and Elf).

Table 13. Mead nonirrigated soybean performance. Saunders County. 1982.

Entry	Yield bu/A	Mature date	Lodging score	Height inches	Seed quality	Grams 100 seeds	Seeds/ plant ^{1/}	1000 Plants per acre ^{2/}
Weber	48.7	9-27	2.0	34	1.0	15.0	67	133
Corsoy 79	45.1	9-31	2.9	40	1.3	18.3	55	124
Platte	57.2	10- 1	1.6	38	1.4	18.6	59	145
Nebsoy	52.3	10- 2	1.8	35	2.0	20.7	53	129
Century	55.9	10- 3	1.1	34	1.0	21.5	53	137
Mead	54.2	10- 7	1.4	34	1.1	16.9	62	143
Amcor	49.6	10- 8	3.4	44	1.9	19.2	49	147
Woodworth	46.8	10- 9	2.1	41	1.0	16.7	61	127
Gnome	54.0	10- 9	2.1	25	1.0	18.1	46	177
Will	52.8	10-10	2.3	39	1.1	17.9	65	124
Oakland	53.0	10-11	1.8	41	1.3	18.7	59	133
Hobbit	61.9	10-12	1.6	24	1.1	18.1	49	191
Williams 79	52.7	10-14	2.6	44	1.0	19.8	51	143
Union	48.9	10-18	3.6	50	1.3	19.5	46	150
Elf	58.1	10-20	2.0	25	1.0	18.5	38	227
Dif. req. sig. 5%	5.8	1.8	0.6	4.1	0.3	1.1	12.3	29

^{1/} Average number of seeds/plant calculated from seed yield, 100-seed weight, and average number of plants/acre.

^{2/} Based upon plant counts taken after complete emergence. Actual viable seeding rates were 150,000 seeds/acre (8.6 seeds/ft.) for indeterminate varieties and 225,000 seeds/acre (12.9 seeds/ft.) for determinate varieties (Gnome, Hobbit, and Elf).

Table 14. Mead irrigated soybean performance. Saunders County. 1980-1982.

Entry	Grain yield, bu/A					1980-1982 average						
	1980	1981	1982	1981-82 average	1980-82 average	Days to mature	Lodging score,	Height inches	Seed quality	Grams 100 seeds	Seeds/plant ^{1/}	1000 Plants per acre ^{2/}
Weber	64.4	50.1	49.9	50.0	55.2	114	2.0	35	1.3	15.7	73	135
Corsoy 79	62.5	54.4	50.3	52.3	55.7	118	2.7	40	1.6	17.7	67	130
Nebsoy	61.8	51.4	53.5	52.5	56.3	119	1.6	36	2.6	20.2	62	124
Century	65.3	58.5	54.5	56.5	59.5	121	1.5	39	1.6	20.7	67	119
Amcor	58.7	48.6	52.6	50.6	52.7	125	3.3	47	2.1	18.2	61	136
Mead	62.5	62.0	51.0	56.5	58.3	126	1.4	36	1.7	16.5	91	114
Gnome	63.4	57.3	54.9	56.1	58.7	126	1.6	21	1.2	18.5	45	198
Woodworth	58.1	52.0	47.6	49.8	52.8	128	2.2	44	1.5	16.6	81	112
Will	59.4	49.2	52.7	51.0	53.4	128	1.8	37	1.6	18.1	70	123
Oakland	59.2	51.0	48.6	49.8	52.7	129	2.2	41	1.5	19.6	56	133
Hobbit	67.3	66.8	60.7	63.7	64.8	129	1.2	23	1.2	18.8	50	195
Williams 79	57.8	45.2	53.7	49.5	52.4	131	2.4	45	1.5	18.6	69	119
Elf	64.4	58.4	56.8	57.6	60.1	135	1.3	23	1.3	18.4	49	194
Union	45.9	45.8	48.9	47.3	47.6	134	3.2	52	1.7	19.2	55	128
Platte	--	54.6	54.6	54.6	--	--	--	--	--	--	--	--
Dif. req. sig. 5%	6.7	5.8	5.8	3.8	4.1	1.0	0.3	2.5	0.3	0.7	10.8	19

^{1/} Average number of seeds/plant calculated from seed yield, 100-seed weight, and average number of plants/acre.

^{2/} Based upon plant counts taken after complete emergence. Actual viable seeding rates were 150,000 seeds/acre (8.6 seeds/ft.) for indeterminate varieties and 225,000 seeds/acre (12.9 seeds/ft.) for determinate varieties (Gnome, Hobbit, and Elf).

Table 15. Mead nonirrigated soybean performance. Saunders County. 1980-1982.

Entry	Grain yield, bu/A					1980-1982 average						
	1980	1981	1982	1981-82 average	1980-82 average	Days to mature	Lodging score	Height inches	Seed quality	Grams 100 seeds	Seeds/plant ^{1/}	1000 Plants per acre ^{2/}
Weber	55.0	43.5	48.7	46.1	49.9	113	1.5	31	1.2	16.0	61	143
Corsoy 79	53.4	43.6	45.1	44.4	47.7	117	2.2	38	1.8	18.1	56	130
Nebsoy	52.2	45.3	52.3	48.8	50.2	119	1.4	33	2.7	20.8	58	117
Century	54.0	49.7	55.9	52.8	52.4	119	1.2	33	1.4	21.2	56	123
Amcor	53.1	45.5	49.6	47.5	48.7	124	2.7	42	2.0	19.0	58	123
Mead	51.2	47.1	54.2	50.6	51.2	124	1.2	31	1.7	17.4	72	115
Gnome	54.8	46.6	54.0	50.3	51.4	125	1.4	21	1.2	19.0	50	154
Woodworth	57.2	49.7	46.8	48.2	51.3	126	1.8	39	1.4	17.2	81	105
Will	61.0	49.1	52.8	50.9	54.4	127	1.6	35	1.4	18.3	69	120
Oakland	56.2	49.6	53.0	51.3	52.8	128	1.7	39	1.7	20.0	55	134
Hobbit	57.2	57.9	61.9	59.9	58.4	129	1.2	22	1.2	19.4	46	183
Williams 79	55.3	48.2	52.7	50.5	51.8	130	2.1	40	1.5	19.3	60	126
Elf	57.3	51.2	58.1	54.7	55.5	133	1.3	22	1.2	18.4	45	187
Union	48.2	48.7	48.9	48.8	48.2	134	2.9	45	1.6	19.3	59	124
Platte	--	55.6	57.2	56.4	--	--	--	--	--	--	--	--
Dif. req. sig. 5%	6.7	5.8	5.8	3.8	4.1	1.0	0.3	2.5	0.3	0.7	10.8	19

^{1/} Average number of seeds/plant calculated from seed yield, 100-seed weight, and average number of plants/acre.

^{2/} Based upon plant counts taken after complete emergence. Actual viable seeding rates were 150,000 seeds/acre (8.6 seeds/ft.) for indeterminate varieties and 225,000 seeds/acre (12.9 seeds/ft.) for determinate varieties (Gnome, Hobbit, and Elf).

TABLE 16. SOUTHEAST SOYBEAN PERFORMANCE. NEMAH COUNTY. EARLY ENTRIES. 1982..

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
-----	NEBSOY	50.8	99	9-28	1.3	35
-----	PLATTE	56.7	110	9-28	1.3	35
AGRIPO	AP240	49.5	96	9-29	1.5	35
MIGRO	HP 2530	57.2	111	9-29	1.8	34
-----	CENTURY	53.8	105	9-30	1.0	36
MIGRO	HP 3033	55.3	108	10- 1	2.3	37
PFIZER GENETICS	CX321	53.6	104	10- 1	4.0	40
TRI VALLEY	BRADLEY	56.3	110	10- 1	2.5	37
-----	MEAD	52.8	103	10- 2	1.0	36
AGRIPO	25	54.1	105	10- 2	3.0	43
LEWIS	23	57.6	112	10- 2	3.8	42
PINE GROVE FARM	P-3310	55.5	108	10- 2	3.3	42
PINE GROVE FARM	P-3350	57.2	111	10- 2	3.0	39
-----	PELLA	54.8	107	10- 3	1.5	40
-----	WOODWORTH	49.0	95	10- 3	2.5	42
AGRIPO	AP250	52.1	101	10- 3	3.3	45
FUNK	G-3340	55.3	108	10- 3	3.8	42
KRUGER	KB254	52.8	103	10- 3	2.8	42
KRUGER	K3035S	55.8	109	10- 3	2.3	41
LAND O'LAKES	L4207	52.9	103	10- 3	4.0	38
MEKSCHEMAN	TRUMAN II	56.5	110	10- 3	3.0	39
NORTHROP KING	MV 32-67	51.3	100	10- 3	4.3	40
PRAIRIE BRAND	PB-320	50.6	99	10- 3	3.5	43
PRAIRIE BRAND	ZENITH	56.1	109	10- 3	3.8	41
RIVERSIDE	3033	57.0	111	10- 3	2.8	37
S BRAND	S52A	58.0	113	10- 3	3.0	39
STINE	3102	56.1	109	10- 3	3.3	39
YOUNKERMEN	CUTLASS	49.8	97	10- 3	2.8	41
-----	OAKLAND	56.0	109	10- 4	2.0	41
FONTANELLE	5454	52.4	102	10- 4	3.0	42
FONTANELLE	6161	57.6	112	10- 4	2.0	41
FUNK	12172	51.6	101	10- 4	2.3	36
GOLDEN HARVEST	H1320	58.9	115	10- 4	2.8	41
HOEGEMEYER	384	53.0	103	10- 4	4.3	44
MC CUBBIN	LEO II	54.3	106	10- 4	3.3	44
MC CUBBIN	TROY II	53.4	104	10- 4	3.8	39
MC CURDY	109+	50.4	98	10- 4	3.3	45
MC CURDY	375B	56.2	109	10- 4	3.8	42
MERSCHMAN	KENNEDY	55.1	107	10- 4	2.0	41
MERSCHMAN	WASHINGTON V	50.0	97	10- 4	3.3	43
NAPB	EX68225-32	58.5	114	10- 4	2.0	40
NAPB	EX68225-40	51.2	100	10- 4	2.5	43
RIVERSIDE	202R	47.0	92	10- 4	1.8	41
S BRAND	S50C	56.0	109	10- 4	3.5	42
STINE	3010	52.9	103	10- 4	3.3	41
TRI VALLEY	COMET	55.2	108	10- 4	3.3	41
YOUNKERMEN	YSC 35	54.3	106	10- 4	3.5	41
-----	CUMBERLAND	51.0	99	10- 5	3.3	41
-----	WILL	52.8	103	10- 5	1.8	38
-----	HOBBIT	59.6	116	10- 5	1.0	26
ASGROW	A3127	59.4	116	10- 5	1.5	37
GOLD TAG	GT 1310	51.9	101	10- 5	2.0	42
LAND O'LAKES	L4104	49.4	96	10- 5	2.3	45
PIONEER	VARIETY 3580	53.7	105	10- 5	2.5	42
S BRAND	S54	52.5	102	10- 5	3.0	43
STINE	3060	57.6	112	10- 5	3.0	42
TRI VALLEY	CHARGER	50.0	97	10- 5	3.3	45
WILSONBLEND	3130	51.3	100	10- 5	3.3	45
WILSONBLEND	3340	56.6	110	10- 5	2.8	42
-----	WILLIAMS 79	50.2	98	10- 6	2.3	43
JACQUES	114	49.1	96	10- 6	2.5	41
MIGRO	HP 3700	51.9	101	10- 6	2.8	41
NORTHROP KING	MV 80	52.6	102	10- 6	2.8	45
PIONEER	VARIETY 3481	51.5	100	10- 6	2.0	41
SCHETTLER	D 310	50.7	99	10- 6	2.3	42
SCHETTLER	DX03-1	45.6	89	10- 6	3.0	51
YOUNKERMEN	YSC 42	56.1	109	10- 6	2.8	43
AVERAGE ALL ENTRIES		53.7	---	10- 4	2.7	40.6
DIF. REQ. FOR SIG. 5%		6.1	---	1.8	0.7	3.1
25%		3.6	---	1.0	0.4	1.8

Yield in bushels per acre and % of average of Pella, Williams 79 and Woodworth. The % yield should be used to make comparisons with the late entries in this area.

TABLE 17. SOUTHEAST SOYBEAN PERFORMANCE. NEMAHA COUNTY. EARLY ENTRIES. 1981-1982.

BRAND	ENTRY	YIELD		MATURE DATE	LDDGING SCORE	HEIGHT INCHES
		BU/A	%			
TWO-YEAR AVERAGE						
-----	NEBSOY	49.6	99	9-21	1.6	39
-----	CENTURY	52.1	104	9-23	2.1	41
MIGRO	HP 2530	54.4	108	9-23	2.4	41
-----	MEAD	51.7	103	9-26	1.8	40
-----	PELLA	53.2	106	9-26	2.3	44
AGRIPRO	AP250	49.3	98	9-26	3.4	47
AGRIPRO	25	51.7	103	9-26	3.4	46
S BRAND	S52A	55.5	110	9-26	3.1	43
-----	WOODWORTH	48.0	96	9-27	2.8	46
FUNK	G-3340	54.2	108	9-27	4.0	45
HOEGEMEYER	384	53.3	106	9-27	4.1	46
MERSCHMAN	WASHINGTON V	48.6	97	9-27	3.5	46
STINE	3010	52.9	105	9-27	3.4	45
YOUNKERMAN	CUTLASS	52.4	104	9-27	3.0	44
-----	HOBBIT	58.0	115	9-28	1.4	27
-----	OAKLAND	51.6	103	9-28	2.8	44
ASGROW	A3127	58.5	116	9-28	2.0	41
FONTANELLE	5454	53.4	106	9-28	3.0	46
LAND O'LAKES	L4104	50.5	101	9-28	3.3	46
MC CURDY	109+	48.9	97	9-28	3.4	48
MERSCHMAN	KENNEDY	54.2	108	9-28	2.8	45
TRI VALLEY	CHARGER	53.3	106	9-28	3.5	47
WILSONBLEND	3130	50.5	101	9-28	3.5	46
WILSONBLEND	3340	53.8	107	9-28	3.3	44
-----	CUMBERLAND	51.3	102	9-29	3.3	44
-----	WILL	51.1	102	9-29	2.5	40
NORTHROP KING	MV 80	49.9	99	9-29	2.9	49
-----	WILLIAMS 79	49.5	99	9-30	3.0	47
MIGRO	HP 3700	50.8	101	9-30	3.4	46
AVERAGE ALL ENTRIES		52.1		9-27	2.9	43.9
DIF. REQ. FOR SIG. 5%		4.7		1.3	0.9	3.6
25%		2.7		0.7	0.5	2.0

% yield based on average of Pella, Williams 79 and Woodworth.

TABLE 18. SOUTHEAST SOYBEAN PERFORMANCE. NEMAHA COUNTY. EARLY ENTRIES. 1978-1982.

BRAND	ENTRY	YIELD		MATURE DATE	LSDGING SCORE	HEIGHT INCHES
		BU/A	%			
THREE-YEAR AVERAGE						
-----	NEBSOY	42.1	97	9-21	1.4	37
-----	CENTURY	43.6	100	9-23	1.8	38
-----	MEAD	44.1	101	9-26	1.5	36
-----	PELLA	44.7	103	9-26	1.8	41
-----	WOODWORTH	42.8	98	9-27	2.2	42
-----	HOBBIT	48.9	112	9-28	1.3	25
-----	OAKLAND	45.0	103	9-28	2.2	41
-----	CUMBERLAND	44.0	101	9-29	2.5	41
-----	WILL	46.2	106	9-29	2.0	37
-----	WILLIAMS 79	43.1	99	9-30	2.4	43
AVERAGE ALL ENTRIES		44.5		9-27	1.9	38.1
DIF. REQ. FOR SIG. 5%		N.S.		N.S.	N.S.	2.2
25%		2.6		2.6	0.5	1.3
FOUR-YEAR AVERAGE						
-----	NEBSOY	41.1	92	9-21	1.5	36
-----	CENTURY	45.3	102	9-23	1.9	38
-----	MEAD	44.9	101	9-26	1.6	36
-----	PELLA	45.6	102	9-26	1.9	41
-----	WOODWORTH	44.9	101	9-27	2.4	42
-----	OAKLAND	45.1	101	9-28	2.3	41
-----	CUMBERLAND	45.8	103	9-29	2.6	42
-----	WILL	46.8	105	9-29	2.1	37
-----	WILLIAMS 79	43.1	97	9-30	2.6	43
AVERAGE ALL ENTRIES		44.7		9-27	2.1	39.6
DIF. REQ. FOR SIG. 5%		N.S.		1.3	0.6	1.9
25%		N.S.		0.7	0.3	1.1
FIVE-YEAR AVERAGE						
-----	NEBSOY	42.8		9-21	1.6	37
-----	MEAD	45.9		9-26	1.6	37
-----	WOODWORTH	45.8		9-27	2.4	43
-----	OAKLAND	45.8		9-28	2.3	42
-----	CUMBERLAND	46.8		9-29	2.6	42
-----	WILLIAMS 79	43.6		9-30	2.5	44
AVERAGE ALL ENTRIES		45.1		9-27	2.2	40.8
DIF. REQ. FOR SIG. 5%		N.S.		1.4	0.6	1.7
25%		2.1		0.7	0.3	1.0

% yield based on average of Pella, Williams 79 and Woodworth.
Maturity data for 1981-1982 only.

TABLE 19. SOUTHEAST SOYBEAN PERFORMANCE. NEMAH COUNTY. LATE ENTRIES. 1982.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
J. M. SCHULTZ	JMS 3482	50.5	103	10- 2	2.3	33
LEWIS	32A	47.1	97	10- 2	1.8	33
LEWIS	37	52.1	107	10- 2	1.3	34
-----	PELLA	49.8	102	10- 3	1.0	35
FONTANELLE	6262	43.9	90	10- 3	1.8	45
FONTANELLE	63X	47.6	98	10- 3	1.0	33
HORIZON	52	51.2	105	10- 3	2.8	37
S BRAND	S56	50.6	104	10- 3	1.5	33
S BRAND	S56A	50.4	103	10- 3	1.8	34
S BRAND	S60C	50.2	103	10- 3	1.3	35
WILSONBLEND	3550	52.6	108	10- 3	1.8	37
-----	WOODWORTH	47.8	98	10- 4	1.8	36
LAND O' LAKES	L4106	46.5	95	10- 4	2.3	39
YOUNKERMEN	VP-3	51.4	105	10- 4	1.3	35
-----	WILLIAMS 79	48.8	100	10- 5	1.8	39
MIDWEST OILSEEDS	3350	50.7	104	10- 5	2.0	35
PFIZER GENETICS	CX380	44.9	92	10- 5	1.3	38
RIVERSIDE	2024	44.2	91	10- 5	2.0	43
TRI VALLEY	CAMERO	46.0	94	10- 5	2.0	37
-----	ELF	48.1	99	10- 6	1.8	24
-----	WILLIAMS 82	46.1	94	10- 6	2.5	37
ASGROW	A3659	50.7	104	10- 6	1.0	33
MIGRO	HP 3700	52.4	107	10- 6	2.0	39
NORTHROP KING	MV 39-19	48.2	99	10- 6	1.0	38
TRI VALLEY	TV-38	52.4	107	10- 6	2.5	40
YOUNKERMEN	YSC 41	46.5	95	10- 6	2.3	36
-----	SPARKS	46.2	95	10- 7	2.0	43
-----	LAWRENCE	48.2	99	10- 7	1.0	37
ASGROW	A3860	50.0	102	10- 7	2.0	37
FONTANELLE	6464	44.0	90	10- 7	2.3	39
GOLD TAG	GT 1380	50.7	104	10- 7	2.8	40
HOEGEMEYER	402	45.3	93	10- 7	2.5	37
LEWIS	43	52.0	107	10- 7	2.3	40
NORTHROP KING	S 4044	43.5	89	10- 7	1.0	35
PIONEER	VARIETY 3981	48.6	100	10- 7	1.8	36
SCHETTLER	D 325	47.1	97	10- 7	2.0	40
STINE	4100	47.9	98	10- 7	2.0	38
WILSONBLEND	3860	47.7	98	10- 7	2.8	38
-----	UNION	44.2	91	10- 8	2.3	44
MC CURDY	500A	47.9	98	10- 8	2.0	43
MERSCHMAN	CLEVELAND	46.4	95	10- 8	1.8	38
MIGRO	HP 4800	47.2	97	10- 8	3.0	36
PIONEER	VARIETY 4280	44.6	91	10- 8	1.5	40
AGRIPO	AP350	51.4	105	10- 9	2.8	45
JACQUES	J-125	44.9	92	10- 9	1.5	40
STINE	4800	48.3	99	10- 9	2.5	39
MC CUBBIN	EX 4290	50.5	103	10-10	1.8	39
MERSCHMAN	RICHMOND	44.1	90	10-10	2.3	41
ASGROW	A4268	47.8	98	10-11	1.0	35
GOLDEN HARVEST	H1483	51.6	106	10-12	2.8	50
MC CUBBIN	CARSON	52.8	108	10-13	2.5	49
MERSCHMAN	DALLAS	48.3	99	10-13	3.0	47
AVERAGE ALL ENTRIES		48.3	---	10- 6	1.9	38.2
DIF. REQ. FOR SIG. 5%		6.1	---	1.4	0.6	3.1
25%		3.6	---	0.8	0.3	1.8

Yield in bushels per acre and % of average of Pella, Williams 79 and Woodworth. The % yield should be used to make comparisons with the early entries in this area.

TABLE 20. SOUTHEAST SOYBEAN PERFORMANCE. NEMAHA COUNTY. LATE ENTRIES. 1978-1982.

BRAND	ENTRY	YIELD		MATURE	LODGING	HEIGHT
		BU/A	%	DATE	SCORE	INCHES
TWO-YEAR AVERAGE						
-----	PELLA	51.5	104	9-26	2.0	43
FONTANELLE	6262	47.0	95	9-27	2.8	53
WILSONBLEND	3550	52.7	107	9-27	2.8	44
-----	WOODWORTH	48.8	99	9-28	2.8	44
WILSONBLEND	3860	51.6	104	9-30	2.9	44
-----	ELF	51.1	103	10- 1	1.4	26
-----	WILLIAMS 79	48.1	97	10- 1	2.8	45
ASGROW	A3659	51.8	105	10- 1	1.8	39
MIGRO	HP 3700	52.5	106	10- 1	2.8	45
NORTHROP KING	S 4044	45.6	92	10- 1	1.8	42
YOUNKERMAN	YSC 41	50.0	101	10- 1	2.9	42
-----	SPARKS	47.6	96	10- 2	3.0	50
ASGROW	A3860	47.5	96	10- 2	2.6	42
NORTHROP KING	MV 39-19	49.3	100	10- 2	2.1	44
-----	LAWRENCE	45.8	93	10- 3	2.0	44
AGRIPRO	AP350	51.1	103	10- 3	3.4	51
MC CURDY	500A	49.1	99	10- 3	3.0	50
MERSCHMAN	CLEVELAND	47.6	96	10- 3	2.9	43
-----	UNION	46.0	93	10- 4	3.3	52
MERSCHMAN	RICHMOND	44.3	90	10- 5	3.1	48
MIGRO	HP 4800	47.7	96	10- 5	3.5	40
STINE	4800	45.0	91	10- 5	3.3	46
ASGROW	A4268	48.4	98	10- 7	2.3	42
AVERAGE ALL ENTRIES		48.7		10- 2	2.7	44.3
DIF. REQ. FOR SIG.	5%	N.S.		2.7	1.1	4.3
	25%	3.1		1.5	0.6	2.4
THREE-YEAR AVERAGE						
-----	PELLA	43.6	101	9-26	1.7	40
-----	WOODWORTH	43.3	101	9-28	2.2	41
-----	ELF	44.9	104	10- 1	1.3	24
-----	WILLIAMS 79	42.2	98	10- 1	2.2	42
-----	UNION	41.3	96	10- 4	2.7	48
AVERAGE ALL ENTRIES		43.1		9-30	2.0	39.0
DIF. REQ. FOR SIG.	5%	N.S.		4.2	N.S.	5.7
	25%	N.S.		2.1	0.7	3.0
FOUR-YEAR AVERAGE						
-----	PELLA	44.8	101	9-26	1.8	41
-----	WOODWORTH	45.3	103	9-28	2.4	41
-----	ELF	46.6	106	10- 1	1.4	24
-----	WILLIAMS 79	42.4	96	10- 1	2.5	42
AVERAGE ALL ENTRIES		44.8		9-29	2.0	37.0
DIF. REQ. FOR SIG.	5%	N.S.		N.S.	N.S.	4.1
	25%	2.2		0.1	0.6	2.2
FIVE-YEAR AVERAGE						
-----	WOODWORTH	46.2		9-28	2.4	42
-----	ELF	46.6		10- 1	1.3	24
-----	WILLIAMS 79	43.0		10- 1	2.4	43
AVERAGE ALL ENTRIES		45.3		9-30	2.0	36.3
DIF. REQ. FOR SIG.	5%	N.S.		N.S.	N.S.	4.1
	25%	1.9		1.7	0.5	2.2

% yield based on average of Pella, Williams 79 and Woodworth.
Maturity data for 1981-1982 only.

TABLE 21. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. CLAY COUNTY.
EARLY ENTRIES. 1982.

BRAND	ENTRY	YIELD		MATURE DATE	LSDGING SCORE	HEIGHT INCHES
		BU/A	%			
HY-VIGOR	P1010	36.4	81	9-24	1.0	22
-----	WELLS II	46.9	104	9-25	1.0	33
GOLDEN HARVEST	H1275	38.5	86	9-25	1.3	28
-----	CORSOY 79	45.9	102	9-26	1.5	37
-----	AMSOY 71	45.8	102	9-27	1.5	38
MC CURDY	102+	44.3	98	9-27	1.3	33
NORTHROP KING	S 2596	46.7	104	9-27	1.3	28
YOUNKERMAN	BARON	45.1	100	9-27	1.0	35
-----	BEESON 80	41.3	92	9-28	2.3	32
NORTHROP KING	MV 24-59	44.2	98	9-28	1.0	29
-----	NEBSOY	39.6	88	9-29	1.0	29
-----	PLATTE	44.5	99	9-29	1.0	34
AGRIPRO	AP240	46.6	104	9-29	1.5	30
PFIZER GENETICS	CX290	46.0	102	9-29	1.8	34
RIVERSIDE	4042	52.8	117	9-29	1.5	36
STINE	2050T	63.9	142	9-29	1.3	37
STOCK SEED	SS462A	39.7	88	9-29	1.5	35
TRI VALLEY	BOSS	48.9	109	9-29	1.0	34
-----	AMCOR	48.1	107	9-30	2.3	38
-----	CENTURY	48.7	108	9-30	1.5	32
-----	WEBER	41.9	93	9-30	2.3	37
-----	WOODWORTH	46.1	102	9-30	1.0	34
MIGRO	HP 2530	46.7	104	9-30	1.0	31
S BRAND	S46C	51.1	114	9-30	1.0	34
S BRAND	S47C	46.9	104	9-30	1.0	34
AGRIGOLD	AG-ROYAL	50.5	112	10- 1	1.0	33
HOEGEMEYER	205	51.9	115	10- 1	2.5	36
-----	MEAD	40.2	89	10- 2	1.8	32
MERSCHMAN	KENNEDY	51.7	115	10- 2	1.3	36
TRI VALLEY	BRADLEY	52.7	117	10- 2	2.0	33
MERSCHMAN	TRUMAN II	48.6	108	10- 3	1.0	33
MIGRO	HP 3033	47.3	105	10- 3	1.5	36
FONTANELLE	5454	44.2	98	10- 4	1.5	36
S BRAND	S47B	57.7	128	10- 4	1.0	31
YOUNKERMAN	BOBCAT II	47.7	106	10- 4	1.8	35
TRI VALLEY	COMET	45.4	101	10- 5	1.0	34
YOUNKERMAN	YSC 35A	48.6	108	10- 5	1.5	37
AVERAGE ALL ENTRIES		46.8	---	9-30	1.4	33.4
DIF. REQ. FOR SIG. 5%		7.8	---	3.7	1.0	5.1
25%		4.6	---	2.2	0.6	3.0

Yield in bushels per acre and % of average of Century, Mead and Woodworth. The % yield should be used to make comparisons with the late test in Clay County.

Table 22. South Central Irrigated Soybean Performance.
Adams County. Early Entries. 1982.

Brand	Entry	Yield bu/A	Mature date	Lodging score	Height inches
-----	Wells II	49.7	9-26	1.3	36
-----	Corsoy 79	55.0	9-28	2.3	38
Younkerman	Baron	54.2	9-30	1.3	33
-----	Century	59.5	10-1	1.0	34
-----	Nebsoy	53.8	10-1	1.0	32
Golden Harvest	H1275	59.7	10-1	1.3	32
-----	Beeson 80	54.9	10-3	1.0	35
Migro	HP-3033	61.3	10-7	1.3	35
Stine	2050T	60.2	10-7	1.3	32
Stock Seed	SS462A	61.6	10-7	1.5	37
Younkerman	Bobcat II	62.4	10-7	1.8	37
AgriGold	AG-Royal	64.0	10-8	2.0	36
Merschman	Truman II	54.2	10-8	1.5	35
Tri Valley	Comet	57.3	10-8	1.8	35
Tri Valley	Bradley	58.4	10-9	1.0	32
Average all entries		57.7	10-4	1.4	34.6
Dif. req. for sig. 5%		8.2	3.1	0.6	N.S.
25%		4.8	1.8	0.4	2.4

TABLE 23. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. CLAY COUNTY. EARLY ENTRIES.
1978-1982.

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BRAND	ENTRY	YIELD		MATURE	LODGING	HEIGHT
		BU/A	%	DATE	SCORE	INCHES
TWO-YEAR AVERAGE						
-----	CORSOY 79	50.7	100	9-21	2.0	38
-----	WELLS II	49.0	97	9-22	1.0	34
-----	WEBER	46.6	92	9-23	2.4	36
-----	AMSOY 71	48.3	96	9-24	1.5	40
-----	NEBSOY	46.3	92	9-25	1.3	33
-----	PLATTE	48.7	96	9-25	1.0	35
-----	BEESON 80	43.1	85	9-26	2.1	34
-----	AMCOR	49.6	98	9-28	2.6	39
-----	CENTURY	50.0	99	9-28	1.5	34
-----	MEAD	48.8	97	9-30	1.4	32
-----	WOODWORTH	52.7	104	10- 1	1.5	37
AVERAGE ALL ENTRIES		48.5		9-26	1.7	35.6
DIF. REQ. FOR SIG. 5%		7.7		N.S.	0.9	4.3
25%		4.2		3.7	0.5	2.4
THREE-YEAR AVERAGE						
-----	CORSOY 79	51.3	101	9-17	1.7	38
-----	WELLS II	49.2	96	9-19	1.0	35
-----	AMSOY 71	45.7	90	9-20	1.3	40
-----	BEESON 80	45.8	90	9-21	1.8	34
-----	NEBSOY	48.3	95	9-21	1.2	34
-----	PLATTE	47.3	93	9-22	1.0	35
-----	CENTURY	52.0	102	9-23	1.3	33
-----	AMCOR	47.9	94	9-24	2.2	40
-----	MEAD	49.8	98	9-27	1.3	32
-----	WOODWORTH	51.3	101	9-28	1.3	37
AVERAGE ALL ENTRIES		48.9		9-22	1.4	35.8
DIF. REQ. FOR SIG. 5%		N.S.		3.3	0.7	2.3
25%		N.S.		1.9	0.4	1.3
FOUR-YEAR AVERAGE						
-----	CORSOY 79	51.4		9-18	1.6	37
-----	WELLS II	48.9		9-20	1.0	34
-----	AMSOY 71	46.2		9-22	1.3	39
-----	BEESON 80	49.5		9-23	1.6	33
-----	NEBSOY	50.1		9-24	1.1	33
-----	CENTURY	54.9		9-25	1.3	32
-----	WOODWORTH	54.1		9-29	1.3	36
AVERAGE ALL ENTRIES		50.7		9-23	1.3	34.9
DIF. REQ. FOR SIG. 5%		N.S.		3.4	N.S.	1.6
25%		3.8		1.9	2.6	0.9
FIVE-YEAR AVERAGE						
-----	AMSOY 71	45.8		9-21	1.5	39
-----	NEBSOY	49.6		9-23	1.2	33
-----	WOODWORTH	53.2		9-27	1.5	36
AVERAGE ALL ENTRIES		49.5		9-24	1.4	36.0
DIF. REQ. FOR SIG. 5%		5.8		N.S.	N.S.	1.4
25%		3.1		2.3	0.2	0.8

% yield based on average of Century, Mead and Woodworth.

30 TABLE 24. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. CLAY AND ADAMS COUNTIES.
LATE ENTRIES. 1982.

BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES
AVERAGE TWO LOCATIONS						
-----	CENTURY	48.5	100	10- 3	1.3	34
-----	MEAD	49.6	102	10- 5	1.1	34
MC CURDY	375B	52.2	108	10- 5	2.3	37
RIVERSIDE	3033	57.1	118	10- 5	1.5	37
TRI VALLEY	CAPRI	59.1	122	10- 6	1.4	36
YOUNKERMEN	CUTLASS	54.2	112	10- 6	2.1	38
YOUNKERMEN	YSC 35B	56.0	116	10- 6	1.4	34
-----	OAKLAND	52.8	109	10- 7	1.9	39
-----	PELLA	53.9	111	10- 7	1.3	38
-----	WILL	49.1	101	10- 7	1.6	36
GOLD TAG	GT 1310	54.2	112	10- 7	1.6	39
S BRAND	S52A	51.5	106	10- 7	1.8	37
-----	WOODWORTH	47.1	97	10- 8	1.8	38
AGRIGOLD	AG-0077	53.8	111	10- 8	2.0	36
RIVERSIDE	202R	52.2	108	10- 8	1.6	39
S BRAND	S56A	57.3	118	10- 8	1.8	39
-----	CUMBERLAND	53.3	110	10- 9	1.4	37
-----	HOBBIT	49.0	101	10- 9	1.0	27
AGRIPRO	AP250	54.0	112	10- 9	1.6	41
GOLD TAG	GT 1380	53.0	110	10- 9	1.9	39
GOLDEN HARVEST	H1320	56.9	118	10- 9	2.5	36
HOEGEMEYER	384	54.7	113	10- 9	2.0	39
NORTHRUP KING	MV 32-67	51.8	107	10- 9	2.1	38
WILSONBLEND	3550	52.1	108	10- 9	2.1	39
-----	WILLIAMS 79	50.1	104	10-10	1.8	40
FONTANELLE	6161	51.0	105	10-10	1.5	37
HORIZON	52	53.9	111	10-10	2.0	38
PFIZER GENETICS	CX380	52.2	108	10-10	1.3	41
S BRAND	S56	54.0	112	10-10	1.9	40
STINE	3060	56.5	117	10-10	2.1	37
WILSONBLEND	3130	54.7	113	10-10	1.9	41
-----	WILLIAMS 82	49.6	102	10-11	1.6	35
AGRIGOLD	AG-3605	53.0	110	10-11	1.9	39
JACQUES	114	49.6	102	10-11	2.0	38
MIGRO	HP 3700	48.8	101	10-11	2.5	37
STOCK SEED	SS793	53.7	111	10-11	1.9	39
TRI VALLEY	CHARGER	56.5	117	10-11	2.0	38
TRI VALLEY	CHARGER III	54.8	113	10-11	2.6	41
JACQUES	J-125	49.0	101	10-12	2.6	39
MERSCHMAN	CLEVELAND	49.2	102	10-12	2.3	39
RIVERSIDE	2024	53.7	111	10-12	2.0	43
WILSONBLEND	3860	55.9	115	10-12	2.8	42
YOUNKERMEN	YSC 42	55.8	115	10-12	2.5	40
GOLDEN HARVEST	H1420	54.4	112	10-13	2.4	42
MERSCHMAN	RICHMOND	53.4	110	10-13	2.8	42
MIGRO	HP 4800	52.4	108	10-13	2.8	39
-----	ELF	53.0	110	10-14	1.4	28
MERSCHMAN	DALLAS	48.5	100	10-14	3.4	45
AVERAGE ALL ENTRIES		52.9	---	10- 9	1.9	38.6
DIF. REQ. FOR SIG. 5%		13.2	---	7.6	1.1	5.8
25%		7.7	---	4.4	0.6	3.4

Yield in bushels per acre and % of average of Century, Mead and Woodworth.

TABLE 25. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. CLAY COUNTY.
LATE ENTRIES. 1982.

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BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES
-----	CENTURY	51.8	109	10- 2	1.5	35
-----	PELLA	53.7	113	10- 2	1.3	37
MC CURDY	375B	52.9	111	10- 2	2.5	37
-----	MEAD	48.0	101	10- 3	1.3	34
-----	WILL	46.8	98	10- 3	2.0	37
S BRAND	S52A	47.6	100	10- 4	1.8	36
TRI VALLEY	CAPRI	56.5	118	10- 4	1.3	36
YOUNKERMEN	CUTLASS	47.4	99	10- 4	2.0	38
RIVERSIDE	3033	55.6	117	10- 5	1.5	36
YOUNKERMEN	YSC 35B	52.3	110	10- 5	1.3	31
-----	OAKLAND	54.4	114	10- 6	2.0	39
-----	WOODWORTH	43.3	91	10- 6	1.5	37
GOLD TAG	GT 1310	53.3	112	10- 6	1.8	38
GOLDEN HARVEST	H1320	54.0	113	10- 6	3.0	35
S BRAND	S56A	52.0	109	10- 6	1.5	39
AGRIGOLD	AG-0077	50.5	106	10- 7	2.0	37
HOEGEMEYER	384	53.2	112	10- 8	2.0	40
NORTHROP KING	MV 32-67	50.7	106	10- 8	2.3	39
RIVERSIDE	202R	49.9	105	10- 8	1.8	40
S BRAND	S56	53.7	113	10- 8	2.0	39
-----	CUMBERLAND	56.2	118	10- 9	1.3	36
-----	WILLIAMS 79	49.7	104	10- 9	1.8	39
-----	HOBBIT	51.3	108	10- 9	1.0	30
AGRIPRO	AP250	50.5	106	10- 9	1.8	41
GOLD TAG	GT 1380	50.0	105	10- 9	1.8	39
HORIZON	52	52.0	109	10- 9	2.0	39
PFIZER GENETICS	CX380	54.0	113	10- 9	1.3	41
FONTANELLE	6161	47.8	100	10-10	1.8	36
STINE	3060	57.9	121	10-10	2.3	36
WILSONBLEND	3130	55.4	116	10-10	1.8	41
WILSONBLEND	3550	50.9	107	10-10	2.3	38
-----	WILLIAMS 82	50.8	106	10-11	1.5	35
AGRIGOLD	AG-3605	50.0	105	10-11	2.0	40
JACQUES	114	47.3	99	10-11	1.8	38
MERSCHMAN	CLEVELAND	46.1	97	10-11	2.5	39
MIGRO	HP 3700	49.4	104	10-11	2.5	37
TRI VALLEY	CHARGER III	52.8	111	10-11	3.0	43
STOCK SEED	SS793	53.3	112	10-12	2.0	39
TRI VALLEY	CHARGER	53.2	112	10-12	2.0	39
WILSONBLEND	3860	52.0	109	10-12	3.3	41
YOUNKERMEN	YSC 42	56.0	117	10-12	3.0	39
-----	ELF	54.2	114	10-13	1.8	27
MERSCHMAN	RICHMOND	48.6	102	10-13	3.0	41
RIVERSIDE	2024	54.4	114	10-13	2.0	43
GOLDEN HARVEST	H1420	50.1	105	10-14	2.5	41
JACQUES	J-125	45.8	96	10-14	2.8	37
MERSCHMAN	DALLAS	48.5	102	10-14	3.8	44
MIGRO	HP 4800	46.2	97	10-14	2.5	38
AVERAGE ALL ENTRIES		51.3	---	10- 8	2.0	37.8
DIF. REQ. FOR SIG. 5%		7.5	---	6.4	1.3	6.3
25%		4.4	---	3.7	0.8	3.7

Yield in bushels per acre and % of average of Century, Mead and Woodworth. The % should be used to make comparisons with entries in the early test in Clay County.

TABLE 26. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. ADAMS COUNTY.
LATE ENTRIES. 1982.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
-----	CENTURY	45.2	92	10- 4	1.0	33
RIVERSIDE	3033	58.7	119	10- 5	1.5	38
-----	MEAD	51.3	104	10- 7	1.0	33
GOLD TAG	GT 1310	55.1	112	10- 7	1.5	40
MC CURDY	375B	51.6	105	10- 7	2.0	36
RIVERSIDE	202R	54.5	111	10- 7	1.5	37
YOUNKERMEN	YSC 35B	59.7	121	10- 7	1.5	37
-----	OAKLAND	51.2	104	10- 8	1.8	39
GOLD TAG	GT 1380	56.0	114	10- 8	2.0	39
TRI VALLEY	CAPRI	61.7	125	10- 8	1.5	35
WILSONBLEND	3550	53.3	108	10- 8	2.0	39
YOUNKERMEN	CUTLASS	61.1	124	10- 8	2.3	37
-----	CUMBERLAND	50.5	103	10- 9	1.5	37
-----	HOBBIT	46.8	95	10- 9	1.0	24
AGRIGOLD	AG-0077	57.1	116	10- 9	2.0	35
AGRIPRO	AP250	57.5	117	10- 9	1.5	41
JACQUES	J-125	52.3	106	10- 9	2.5	40
NORTHROP KING	MV 32-67	52.9	108	10- 9	2.0	37
S BRAND	S56A	62.7	128	10- 9	2.0	38
TRI VALLEY	CHARGER	59.9	122	10- 9	2.0	36
WILSONBLEND	3130	54.1	110	10- 9	2.0	41
-----	WILL	51.5	105	10-10	1.3	35
-----	WILLIAMS 79	50.5	103	10-10	1.8	40
-----	WOODWORTH	51.0	104	10-10	2.0	39
FONTANELLE	6161	54.2	110	10-10	1.3	37
HOEGEMEYER	384	56.2	114	10-10	2.0	38
HORIZON	52	55.8	113	10-10	2.0	36
JACQUES	114	52.0	106	10-10	2.3	37
S BRAND	S52A	55.5	113	10-10	1.8	37
STINE	3060	55.1	112	10-10	2.0	38
STOCK SEED	SS793	54.2	110	10-10	1.8	38
TRI VALLEY	CHARGER III	56.9	116	10-10	2.3	39
-----	PELLA	54.2	110	10-11	1.3	38
-----	WILLIAMS 82	48.5	99	10-11	1.8	35
AGRIGOLD	AG-3605	56.0	114	10-11	1.8	38
GOLDEN HARVEST	H1320	59.8	122	10-11	2.0	37
GOLDEN HARVEST	H1420	58.7	119	10-11	2.3	42
MIGRO	HP 3700	48.2	98	10-11	2.5	36
PFIZER GENETICS	CX380	50.4	103	10-11	1.3	40
RIVERSIDE	2024	53.0	108	10-11	2.0	43
MERSCHMAN	CLEVELAND	52.3	106	10-12	2.0	39
MIGRO	HP 4800	58.7	119	10-12	3.0	39
S BRAND	S56	54.4	111	10-12	1.8	40
WILSONBLEND	3860	59.9	122	10-12	2.3	42
YOUNKERMEN	YSC 42	55.7	113	10-12	2.0	41
MERSCHMAN	DALLAS	48.5	99	10-13	3.0	46
MERSCHMAN	RICHMOND	58.2	118	10-13	2.5	43
-----	ELF	51.9	106	10-14	1.0	28
AVERAGE ALL ENTRIES		54.5	---	10-10	1.9	37.8
DIF. REQ. FOR SIG. 5%		7.6	---	4.5	0.6	5.5
25%		4.5	---	2.6	0.3	3.2

Yield in bushels per acre and % of average of Century, Mead and Woodworth.

TABLE 27. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. LATE ENTRIES. 1978-1982.

BRAND	ENTRY	YIELD		MATURE	LODGING	HEIGHT
		BU/A	%	DATE	SCORE	INCHES
TWO-YEAR AVERAGE						
-----	CENTURY	49.9	96	9-30	1.4	35
-----	MEAD	53.5	102	10- 2	1.0	33
-----	WILL	50.5	97	10- 3	1.4	31
-----	HOBBIT	52.8	101	10- 4	1.0	24
-----	PELLA	54.3	104	10- 4	2.1	39
-----	CUMBERLAND	51.8	99	10- 5	1.3	37
-----	OAKLAND	53.3	102	10- 5	2.4	39
-----	WOODWORTH	53.2	102	10- 5	1.9	39
-----	WILLIAMS 79	53.2	102	10- 7	2.1	40
-----	WILLIAMS 82	54.9	105	10- 7	2.0	36
-----	ELF	52.3	100	10- 8	1.2	25
AVERAGE ALL ENTRIES		52.7		10- 5	1.6	34.4
DIF. REQ. FOR SIG. 5%		N.S.		3.5	N.S.	6.8
25%		N.S.		1.9	0.6	3.4
THREE-YEAR AVERAGE						
-----	CENTURY	51.9	100	9-24	1.3	34
-----	MEAD	52.9	101	9-28	1.0	33
-----	PELLA	54.9	105	9-29	1.8	38
-----	WILL	51.0	98	9-29	1.3	31
-----	CUMBERLAND	52.6	101	9-30	1.2	37
-----	OAKLAND	52.2	100	9-30	2.0	38
-----	WOODWORTH	51.6	99	9-30	1.6	39
-----	WILLIAMS 79	50.7	97	10- 2	1.8	40
-----	ELF	44.6	86	10- 3	1.1	22
AVERAGE ALL ENTRIES		51.4		9-29	1.5	34.7
DIF. REQ. FOR SIG. 5%		N.S.		2.5	N.S.	4.7
25%		N.S.		1.4	0.4	2.7
FOUR-YEAR AVERAGE						
-----	CENTURY	54.8		9-26	1.2	33
-----	PELLA	58.5		9-30	1.6	37
-----	WILL	53.3		9-30	1.2	31
-----	CUMBERLAND	54.1		10- 1	1.2	35
-----	OAKLAND	55.9		10- 1	1.7	37
-----	WOODWORTH	54.3		10- 1	1.5	37
-----	WILLIAMS 79	53.0		10- 2	1.6	39
-----	ELF	46.3		10- 4	1.1	22
AVERAGE ALL ENTRIES		53.8		10- 1	1.4	33.9
DIF. REQ. FOR SIG. 5%		N.S.		2.0	N.S.	3.8
25%		4.2		1.1	0.3	2.1
FIVE-YEAR AVERAGE						
-----	CUMBERLAND	53.0		9-29	1.3	35
-----	OAKLAND	55.9		9-29	1.7	37
-----	WOODWORTH	53.4		9-29	1.6	37
-----	ELF	46.0		10- 2	1.1	21
AVERAGE ALL ENTRIES		52.1		9-30	1.4	32.5
DIF. REQ. FOR SIG. 5%		N.S.		2.0	N.S.	3.3
25%		4.2		1.1	0.3	1.8

% yield based on average of Century, Mead and Woodworth.

Table 28. Southwest Irrigated Soybean Performance.
Perkins County. 1982.

Entry	Yield bu/A	Height inches	Grams 100 seeds
Weber	44.6	38	12.7
Corsoy 79	46.1	41	13.4
Wells II	42.4	44	14.1
Amsoy 71	39.3	45	15.3
Platte	42.8	40	13.7
Nebsoy	45.9	39	14.1
Century	43.5	41	16.1
Stine 2050	45.0	39	14.1
Mead	40.1	36	13.1
Will	38.2	40	13.8
Dif. req. sig. 5%	N.S.	3.0	1.0
25%	3.2	1.8	0.6

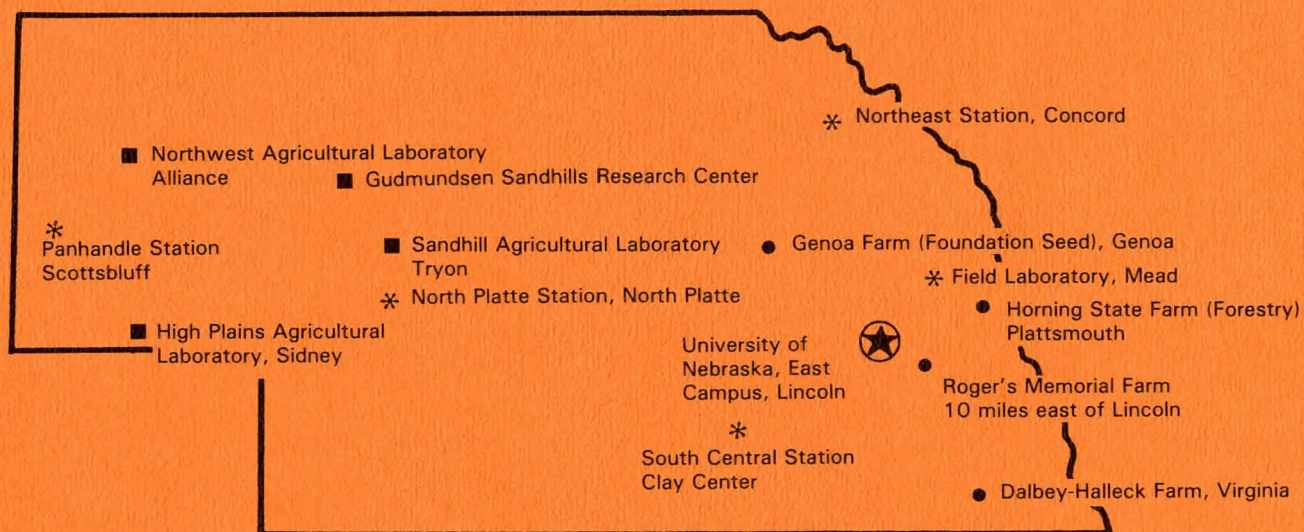
Table 29. Southwest Irrigated Soybean Performance. 1979-1982.

Entry	Grain yield, bu/A					1980-82 average	
	1979	1980	1981	1982	1980-82 average	Height inches	Grams 100 seeds
Weber	54.6	52.3	41.1	44.6	46.0	34	12.5
Corsoy 79	--	--	42.0	46.1	--	--	--
Wells II ^{1/}	52.8	45.9	41.7	42.4	43.3	38	14.3
Amsoy 71	45.2	36.9	36.7	39.3	37.6	40	14.9
Platte	--	--	40.6	42.8	--	--	--
Beeson 80	--	--	36.6	--	--	--	--
Nebsoy	50.3	43.3	40.3	45.9	43.2	34	15.1
Century	--	--	40.4	43.5	--	--	--
Stine 2050	--	--	--	45.0	--	--	--
Mead	--	53.9	41.1	40.1	45.0	34	13.5
Will	--	--	37.0	38.2	--	--	--
Dif. req. sig. 5%	5.1	9.1	N.S.	N.S.	N.S.	N.S.	1.4
25%	2.9	5.2	N.S.	3.2	3.3	2.6	0.7

^{1/} Wells in 1979-1980.

1979 Dawson County, 1980 McPherson County, 1981-1982 Perkins County.

Agricultural Research for All of Nebraska



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