

1987

EC87-104 Nebraska Soybean Variety Tests

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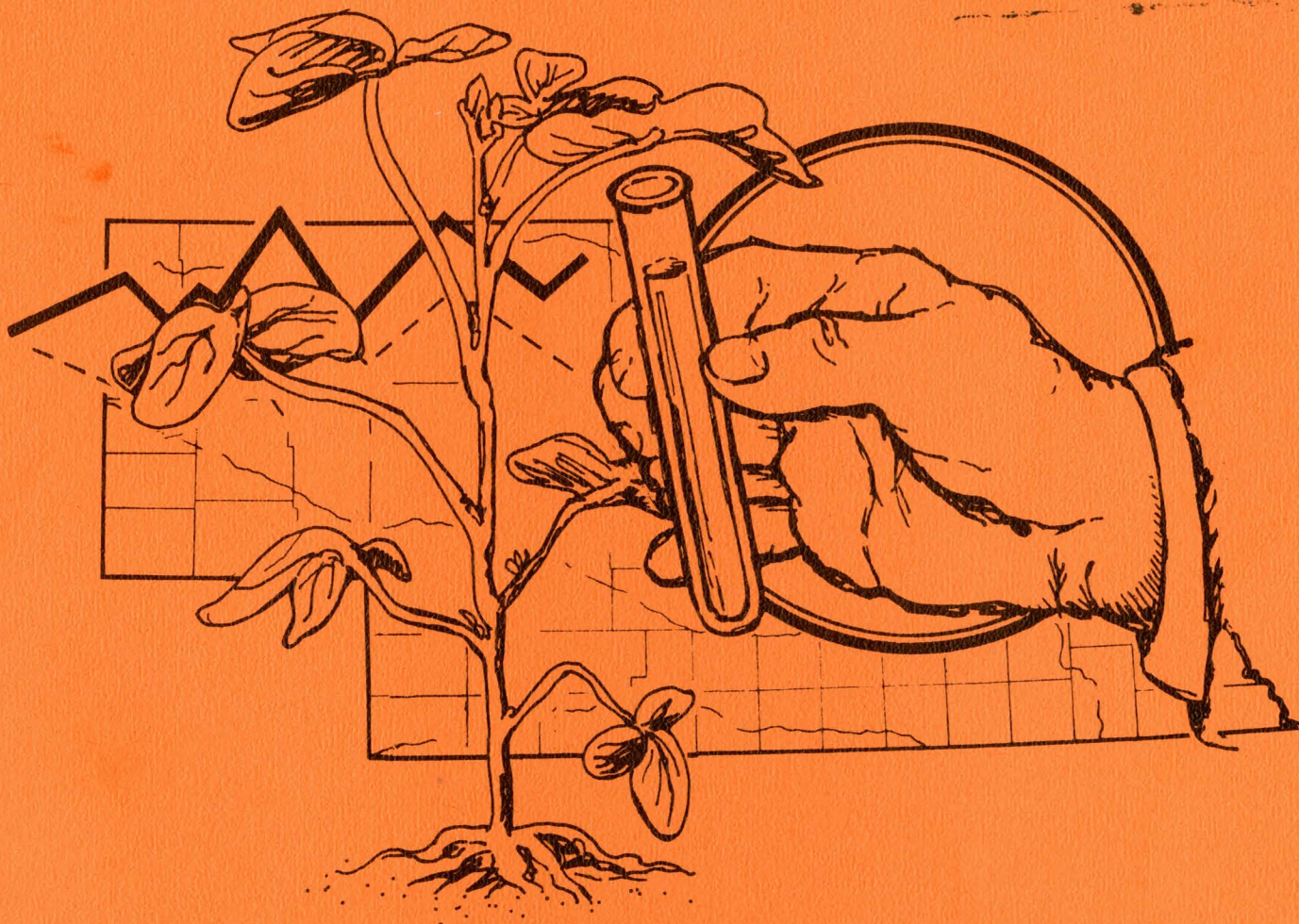
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NEBRASKA SOYBEAN VARIETY TESTS 1987

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EXTENSION CIRCULAR 87-104

NEBRASKA SOYBEAN VARIETY TESTS

December 1987

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ACKNOWLEDGMENTS

This circular is a progress report of soybean variety trials conducted by personnel of the Agronomy Department and the Northeast, South Central and West Central Research and Extension Centers. Conduct of experiments and publication of results is a joint effort of the Agricultural Research Division and the Cooperative Extension Service.

Tests were supported in part by fees collected from entrants. A grant from the Nebraska Soybean Development Utilization and Marketing Board enabled the purchase of planting and harvesting equipment needed for conduct of East Central and Southeast trials. Soybean check-off grants also support variety trials conducted by the Soybean Breeding Project and sprinkler irrigation experiments established by the West Central Research and Extension Center. Acknowledgment is made to farmers who furnished land for experiments; also to extension agents and other I.A.N.R. personnel who assisted with the tests.

METRIC EQUIVALENTS

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)

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 (51)
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	1,300 (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 (2143)
1982	2,250 (911)	35.0 (2354)	78,750 (2146)
1983	2,070 (838)	28.5 (1917)	58,995 (1607)
1984	2,550 (1033)	26.0 (1748)	66,300 (1804)
1985	2,360 (956)	36.0 (2421)	84,960 (2312)
1986	2,450 (992)	38.0 (2555)	93,100 (2534)
1987 ¹	2,350 (952)	37.0 (2488)	86,950 (2366)

¹ November 1 estimate.

EXTENSION CIRCULAR

87-104

CONTENTS

Procedure	4
Test Locations	5
Entries	6
Entrants	8
Performance by years	11
Data Tables	
Northeast early 1987	12
Northeast early 1986-1987	13
Northeast early 1983-1987	14
Northeast late 1987	15
Northeast late 1986-1987	16
Northeast late 1983-1987	17
East Central early 1987	18
East Central early 1986-1987	19
East Central early 1982-1987	20
East Central late 1987	21
East Central late 1986-1987	22
East Central late 1982-1987	23
Mead elite nonirrigated 1987	24
Mead elite nonirrigated 1986-1987	25
Mead elite irrigated 1987	26
Mead elite irrigated 1986-1987	27
Mead public nonirrigated 1987	28
Mead public irrigated 1987	29
Lincoln public nonirrigated 1987	30
Southeast early 1987	31
Southeast early 1986-1987	32
Southeast early 1983-1987	33
Southeast late 1987	34
Southeast late 1983-1987	35
South Central irrigated two tests early 1987	36
South Central irrigated Clay early 1987	37
South Central irrigated Hamilton early 1987	38
South Central irrigated early 1986-1987	39
South Central irrigated early 1983-1987	40
South Central irrigated two tests late 1987	41
South Central irrigated Clay late 1987	42
South Central irrigated Hamilton late 1987	43
South Central irrigated late 1986-1987	44
South Central irrigated late 1983-1987	45
West Central elite irrigated Dawson 1987	46
West Central sprinkler irrigated North Platte 1985-1987	47
West Central furrow irrigated North Platte 1987	48

NEBRASKA SOYBEAN VARIETY TESTS 1987

The 1987 estimated soybean yield for Nebraska was 37 bushels per acre from 2,350,000 harvested acres. Acreage was 4% below last year's. The yield was 1 bushel below the record set in 1981 and 1986.

The crop was planted ahead of normal. On May 31, planting was 70% complete. Normal for this date is 48%. Seasonal progress was near or slightly ahead of the five-year average. Dry weather in late September and early October favored rapid harvest. On October 11, 65% of the crop was harvested compared to a normal of 25%.

PROCEDURE

Data were obtained from 19 trials at 9 locations. (Table 1). Publicly-released entries were included at all sites. Privately developed varieties or blends were included in trials at all locations except Lincoln (Lancaster County).

Privately developed varieties were selected by the seed producer except for tests at Mead and in West Central Nebraska. At many locations, 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. The percentages, not bushel yields, should be used for comparisons of early and late entries at a location.

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

Entries usually 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 8.5 seeds per foot in 30-inch rows (148,100 seeds per acre) was used unless a higher or lower rate was requested by the entrant. Hobbit, Hoyt and Ripley were planted at a 13 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. Seed quality ratings were made at some locations. Seed quality was scored on a 1 to 5 scale with 1 = best and 5 = poorest. Seeds per pound or grams per 100 seeds data are reported for some locations. $\text{Seeds per pound} = 453.6 \times 100 \times \text{grams per 100 seeds}$. Because of time constraints, seed weights are not reported for 1987 experiments at many locations. Where these data appear in period-of-years averages, they are for years preceding 1987.

PERFORMANCE

Entries generally are listed in tables in order of increasing maturity from earliest to latest. Average performance of varieties included in trials for five years in each area is shown in Table 4. These data give an indication of year effects on yield, maturity, lodging, plant height and seed size.

Table 1. Locations. Nebraska Soybean Performance tests. 1987.

Location and Cooperator	Soil type/herbicide	Test	Planted	Harvested	Average yield Bu/A	Mat-yield correlation r
Northeast						
Dixon County	Calco si. cl. loam	Early	June 2	Oct. 6	47.8	0.38**
Derald Rice, Concord	Treflan + Poast	Late	June 3	Oct. 7	54.9	-0.19
East Central						
Dodge County	Sharpsburg si. cl. loam	Early	June 2	Oct. 6	47.1	-0.10
Stan Jorgensen, North Bend	Treflan + Sencor	Late	June 2	Oct. 7	50.0	-0.11
Mead						
Saunders County	Sharpsburg si. cl. loam	Elite dry	May 22	Oct. 9	48.2	0.13
Ag. Res. & Dev. Center	Treflan + Sencor	Elite irr.	May 19	Oct. 9	47.2	0.41**
	Sharpsburg si. cl. loam	Public dry	May 22	Oct. 13	45.6	0.03
	Treflan + Sencor	Public irr.	May 19	Oct. 12	42.6	0.53**
Lincoln						
Lancaster County	Kennebec silt loam	Public dry	June 5	Oct. 22	53.9	0.00
Agronomy Farm	Treflan + Sencor					
Southeast						
Nemaha County	Colo si. cl. loam	Early	May 12	Oct. 1	43.3	0.54**
Gauchat Farms, Brock	Command + Prowl + Sencor	Late	May 12	Oct. 5	42.9	0.20
South Central Irrigated						
Clay County	Hastings silt loam	Early	May 12	Sept. 24	35.0	0.56**
So. Cent. Res. & Ext. Center	Lasso + Sencor + Poast	Late	May 12	Sept. 29	43.1	0.61**
Hamilton County	Hastings silt loam	Early	May 15	Oct. 2	63.5	0.14
Roger Epp, Aurora	Treflan PPI	Late	May 15	Oct. 15	61.9	0.33**
West Central Irrigated						
Dawson County	Gosper loam	Elite irr.	June 1	Oct. 16	60.0	-0.31**
Kurt Kline, Lexington						
Lincoln County (N.P.)	Cozad silt loam	Lim. sp.	May 14	Sept. 28	52.1	----
		Full sp.	May 14	Sept. 28	61.5	----
		Furrow	May 18	Oct. 5	60.2	----

**Highly significant (1% level). Negative x values indicate that early varieties were higher yielding.

Table 2. Entries. Nebraska Soybean Performance Tests. 1987.

Brand	Entries ¹
-----	BSR 101 (P), Century 84 (P), Chamberlain (P), Elgin 87 (P), Farmer Entry (P), Fremont (P), Hack (P), Hardin (P), Harper 87 (P), Hobbit 87 (P), Hoyt (P), Logan (P), Pella 86 (P), Platte (P), Ripley (P), U80-64032 (P), U80-68130 (P), U83-75056 (P), Weber 84 (P), Williams 82 (P), Winchester (P), Zane (P).
Agrigene	AG119 (P), AG123 (P), AG125 (P), AG126 (P), AG127 (P), AG133 (P), AG137 (P).
AgriPro	AP 2021 (P), AP 2190 (P), AP 3023 (P), AP 3132 (P), AP 3773 (P), AP 3977 (P), AP 4321 (P), EX 3626 (P), EX 3878 (P).
Arrow Seed	AS2610 (P), AS2645 (P), AS2675 (P).
Asgrow	A1937(P), A2234 (P), A2943(P), A3205 (P), A3427 (P), A3733 (P), A3803 (P), A3935 (P).
Coker	EX723 (P), 393 (P).
Custom Farm Seed	CFS 240 (P), CFS 310 (P), CFS 320 (P).
Dekalb-Pfizer	CX226 (P), CX264 (P), CX283 (P), CX 326 (P).
DeSoy	555+ (B1), 555R (B1), 650+ (B1), 695 (B1), 750R (B1), 797 (B1), 919+ (B1), 933+ (B1).
Diamond Brand	D201 (P), D220B (B1), D245 (P), D280B (B1), D301 (P), D305 (P), D315 (P), D320B (B1), TC204A (P).
Fontanelle	EXP 3900 (P), EXP 5003 (P), F-3850 (P), F-4545 (P), F-4760 (P), F-5708 (P), F-6161 (P).
Golden Harvest	H-1233 (P), H-1285 (P), H-1306 (P), X277 (P), X391 (P), X430 (P).
Hill Seed	EX267 (P), EX297 (P), HS2275 (B1), HS2400 (B1), HS2700 (P), HS2850 (P), HS3400 (P).
Hoegemeyer	205 (P), 208 (P), 250 (P), 281 (P), 327 (P), 368 (P), 375 (P), 389 (P), 394 (P).
Hofler	Coral (P), Crystal (P), Gem II (P), Jasper (P), Jewell (P), Quartz (P), Ruby (P), Sapphire (P), Sunstone (P).
Horizon	H-21 (P), H-25 (P), H-28 (P), H-29 (P), H-32 (P), H-52 (P).
Hy-Vigor	Derby 9 (P), EX-K-3903 (P), EX-K-40-10 (B1), EX-399 (P), Hylander (P), Row King (B1).
Jacobsen	Big Red III (B1), Cyclone II (B1), Exp 784 (P), J776 (P), J824 (P), J970 (P), J972 (P), J973 (P).
Jacques	E8737 (P), J-103 (P), J-231 (P), J271 (P), J-361 (P).
Kaup Seed	Exp 86-3 (P), Exp 86-7 (P), Exp 86-9 (P), KS 2690 (P), KS 3555 (P), KS3790 (P).
Kruger	K-Exp 382 (P), KB-Exp 370+ (B1), KB2156 (B1), KB220B (B1), KB254+ (B1), KB264+ (B1), K2162 (P), K2195 (P), K377A (P), K377B (P).
Latham	EX 920 (P), 1010 (P), 650 (P).
Lewis	300 (P), 334 (P), 367 (P).
Lincoln Seed	Exp LS 7122 (P), Exp LS 7236 (P), Exp LS 7241 (P), LS 7221 (P), LS 7225 (P).
Lynks Seeds	LX8202 (P), LX8250 (P), LX8252 (P), LX8280 (P), LX8307 (P), LX8393 (P).

Continued

Table 2. Concluded.

McCubbin	EX 17748 (P), EX 26730 (P), EX 26864 (P), EX 36758 (P), EX 37998 (P), EX47702 (P), Lyon (P), Reno (P), Taylor (P), Troy (P), Windsor (P).
McCurdy/Riversid	1405 (P), 260B (B1), 303C (P), 3033 (P), 3605 (P), 375B (B1).
Mershman	Cheyenne II (P), Cheyenne III (P), Comanche II (P), Kennedy II (P), Munsee II (P), Truman II (P), Washington VI (P).
Midwest Oilseeds	EX 3940 (P), EX 3950 (P), EX 2960-21 (P), 3500 (P), 3960 (B1).
Northrup King	S 23-03 (P), S 27-10 (P), S 29-20 (P), S33-45 (P), S 39-99 (P), S 42-30 (P).
Ohlde	2190 (P), 2193 (P), 3000 (P), 3193 (P), 3257 (P), 3431 (P), 4122 (P).
Prairie Brand	PB-275 (B1), PB-380 (P), Zenith II (P).
Pride	B236 (P), X720 (P), X729 (P), X734 (P), 316 Brand (B1).
Profiseed	PS 1152 (P), PS 1350 (P).
S Brand	S-45D+ (P), S-45H (P), S-45J (B1), S-46F (P), S-46G (B1), S-47J (B1), S-48C (B1), S-49C (B1), S53A (B1), S-53B (B1), S-62 (P), S-64B (B1), S-67 (P).
Sansgaard Seed	Zephyr (P).
Sexauer	Exp. 100 (P), SX-1090 (P), SX-2080 (P), SX-2090 (P), SX-29 (P).
Siler	SS-325 (P), SS-335 (P).
SOI	Exp 23707 (P), Exp 23797 (P), Exp 266A (P), Exp 268 (P), Exp 27297 (P), 226 (P), 266 (P), 269 (P), 277 (P), 337 (P), 353 (P), 359 (P), 376 (P), 379 (P), 380 (P).
SRF	Exp 11017 (P), Exp 13687 (P), Exp 363 (P), 220P (P), 270 (P).
Stine	2510 (P), 2750 (P), 2770 (P), 3700 (P), 3790 (P), 3805 (B1), 3810 (P).
Strayer	3134 (P).
Terra	Advance (P), Decathalon (P), Exp 250 (P), Exp 260 (P), Exp 330 (P), Exp 375 (P), Exp 450 (P), Sprint (P), Triumph (P).
Thompson Farms	T-11, T-25C.
Tri Valley	Archer (P), Blazer (P), Blazer II (P), Blazer 86 (P), Blazer 87 (P), Brat II (P), Bronco (P), Buick (P), Catalina (P), Cavalier (B1), Charger (P), Charger 85 (P), Corvette (B1), TV 22 (B1), TV 25 (B1), TV 26 (B1).
Wilson Blend	2145 (B1), 2404 (B1), 2505 (P), 2505R (B1), 3130 (B1), 3182 (P), 3230 (P), 3560 (P).
Younkerman	Bobcat II (P), Bobcat III (P), Camaro (P), Caprice (P), Champ (P), Cougar (B1), Cutlass 88 (B1), Malibu (P), Maverick (P), Omni (P), YSC 20 (B1), YSC 28 (B1), YSC 30 (B1), YSC 32 (B1).

¹ Letters in () indicate: (P) pure lines; (B1) blend. These are not part of variety name. List does not include all entries in West Central tests.

Table 3. Entrants. Nebraska Soybean Performance Tests. 1987.

Brand	Entrant	Address
-----	Agricultural Research Div., UNL	Lincoln, NE 68583
Agrigene	Agrigene Seed Company	Lynnvile, IA 50153
AgriPro	AgriPro	Ames, IA 50010
Arrow Seed	Arrow Seed Company	Broken Bow, NE 68822
Asgrow	Asgrow Seed Company	Kalamazoo, MI 49001
Coker	Coker's Pedigreed Seed Company	Lebanon, IN 46052
Custom Farm Seed	Custom Farm Seed	Momence, IL 60954
DeKalb-Pfizer	DeKalb-Pfizer Genetics	DeKalb, IL 60115
DeSoy	Dale Ewing Farm Seed	Jewell, IA 50130
Diamond Brand	Diamond Brand Seed Company	Carroll, IA 51401
Diamond Brand	Schettler Seeds, Inc.	Carroll, IA 51401
Fontanelle	Fontanelle Hybrids	Nickerson, NE 68044
Golden Harvest	The J.C. Robinson Seed Company	Waterloo, NE 68069
Hill Seed	Hill Seed Company	Ellsworth, IA 50075
Hoegemeyer	Hoegemeyer Hybrids	Hooper, NE 68031
Hofler	Hofler Seed Company	Nora Springs, IA 50458
Horizon	Horizon Seeds	Lincoln, NE 68501
Hy-Vigor	Hy-Vigor Seeds, Inc.	Paullina, IA 51046
Jacobsen	Jacobsen Hybrid Corn Company	Lake View, IA 51450
Jacques	Jacques Seed Company	Prescott, WI 54021
Kaup Seed	Kaup Seed & Fertilizer	West Point, NE 68788
Kruger	Kruger Seed Company	Dike, IA 50624
Latham	Latham Seed Company	Alexander, IA 50420
Lewis	Lewis Hybrids, Inc.	Ursa, IL 62376
Lincoln Seed	Lincoln Seed	Sioux City, IA 51101
Lynks Seeds	Lynks Seeds	Marshalltown, IA 50158
McCubbin	McCubbin Seed Farm, Inc.	Green Mountain, IA 60637
McCurdy/Riverside	McCurdy Seed Company	Fremont, IA 52561
Mershman	Mershman Seeds	West Point, IA 52656
Midwest Oilseeds	Midwest Oilseeds, Inc.	Adel, IA 50003
Northrup King	Northrup King Seed Company	Norfolk, NE 68701
Ohlde	Ohlde Seed Farms	Palmer, KS 66962
Prairie Brand	Prairie Brand Seeds	Story City, IA 50248
Pride	Pride Company, Inc.	Glen Haven, WI 53810
Profiseed	Profiseed, Inc.	Hampton, IA 50441
S Brand	Schechinger Seed Company	Harlan, IA 51537
Sansgaard Seed	Sansgaard Seed Farm	Story City, IA 50248
Sexauer	The Sexauer Company	Norfolk, NE 68701
Siler	Siler Seeds	Weston, MO 64098
SOI	Sand Seed Services, Inc.	Marcus, IA 51035
SRF	Soybean Research Foundation	Mason City, IL 62664
Stine	Stine Seed Farm, Inc.	Adel, IA 50003
Strayer	Strayer Seed Farms	Hudson, IA 50643
Terra	Terra International	Sioux City, IA 51101
Thompson Farms	Thompson Farms Seeds	Leland, IA 50453
Tri Valley	Tri Valley Seed	Council Bluffs, IA 51501
Wilson Blend	Wilson Hybrids, Inc.	Harlan, IA 51537
Youkerman	Youkerman Seed Company	Council Bluffs, IA 51501

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 seventh 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.

Northeast (Tables 5-10)

Emergence was slightly uneven. Some moisture stress occurred in late July and early August. All varieties were mature on October 8, the date of the first killing frost. Later maturity was correlated with higher yield in the early trial.

East Central (Tables 11-16)

Rainfall was lacking in June and July in this area. Soybeans were short with little lodging. Yields were good. There was no correlation between yield and maturity.

Mead and Lincoln (Tables 17-23)

Trials at these two locations were conducted by the Soybean Breeding Project of the Department of Agronomy. Several types of trials were involved.

The "Elite" irrigated and dryland test entries were selected by the test director. Invitations to submit proprietary entries were based on three-year average high yielding entries for early and late trials at four Nebraska and three Iowa soybean performance test areas. Public varieties generally included more recent releases. It should be emphasized that these trials represent data for high-yielding entries selected under different environments. Two-year data from this trial are shown. The public variety trials at Mead and Lincoln include many of the generally available releases from Agricultural Experiment Stations.

At Mead, in nonirrigated tests, there was no relationship between yield and maturity. In irrigated tests including the same varieties, positive correlations were obtained, indicating that later-maturing varieties were producing higher yields.

Southeast (Tables 24-28)

This trial was planted into disced cornstalks. The area received no further cultivation. Heavy rainstorms in June and July caused excessively wet soils. Phytophthora root rot lowered yields of susceptible entries.

This also increased plot variability. The final average yield of 43 bushels was below the five-year average for this area.

Later-maturity entries were highest in yield in the early test. There was no relationship between maturity and yield in the late test.

South Central Irrigated (Tables 29-38)

Yields in Clay County were reduced by an early July hail, wooly bear caterpillars and delayed irrigation. Higher yield was correlated with later maturity in both the early and late trials.

In Hamilton County, average yields were in excess of 60 bushels per acre. There was no relationship between maturity and yield in the early test. In the late test, there was a negative correlation indicating that earlier maturity was related to higher yield.

There was poor agreement between yields of entries in the late test in Clay and Hamilton Counties.

West Central Irrigated (Tables 39-42)

The "Elite" test in Dawson County included the same entries as that trial at Mead. Yields were excellent. Earlier maturity was correlated with higher yield. Some entries included are definitely too late for this area.

Fourteen varieties representing a broad range of maturities were tested under two sprinkler irrigation systems at North Platte in a minimum tillage system. Soybeans were planted into wheat (wheat-soybean rotation) or corn stubble (wheat-corn-soybean rotation) with no tillage. No difference between rotations was shown so variety information was averaged across rotations. Limited irrigation plots received 6 inches. Fully irrigated plots received irrigation at full evapotranspiration. In 1985 and 1987 this was 12 inches of irrigation water. In 1986, the first planting of beans suffered herbicide damage. From the second planting, yield data were obtained for five varieties under limited irrigation. These data show an excellent yield potential for soybeans under limited irrigation in west central Nebraska. Also, experience indicated that herbicides must be used with special care on high pH soils. The later maturing varieties did produce the higher yields. In these rotations, winter wheat is planted immediately following soybean harvest (by Oct. 1). Some of the later maturing varieties would not be mature enough to machine harvest. Since the later maturing varieties could not be grown successfully in these rotations, a wide range of maturities was included to determine yield differential of adaptable varieties versus later maturing ones.

Varieties were tested at North Platte under furrow irrigation in a ridge till system following corn. The soil has a pH of 7.5. The nine varieties selected have performed well on high pH soils and fit the maturity range for West Central Nebraska. Although maturity dates were not recorded, higher yield and later maturity were correlated.

Table 4. Soybean performance. Average for entries common over years within tests. Five years.

Test	Year	Yield bu/A	Mature date	Lodging score	Height inches	Seeds pound
Northeast						
Early (1 entry)	1983	43.1	9-22	1.3	40	3250
	1984	51.0	9-26	2.3	41	3230
	1985	53.6	10-8	1.0	40	2660
	1986	42.0	9-29	1.0	35	3120
	1987	41.7	10-1	1.0	38	-----
Late (8 entries)	1983	44.9	9-23	1.3	40	3276
	1984	55.8	9-28	2.3	40	3926
	1985	54.4	10-9	1.0	40	2716
	1986	43.5	10-3	1.0	34	3099
	1987	54.6	10-2	1.3	41	-----
East Central						
Early (5 entries)	1982	58.3	10-4	1.8	38	2802
	1983	41.9	9-26	1.4	30	3154
	1985	43.8	9-29	2.2	44	2622
	1986	63.2	9-30	2.6	42	2942
	1987	46.6	9-28	1.2	34	-----
Late (3 entries)	1982	55.9	10-10	2.6	42	2730
	1983	39.2	10-1	1.4	33	3340
	1985	42.0	10-3	2.3	43	2463
	1986	60.9	10-7	2.7	43	2720
	1987	47.1	10-3	1.4	37	-----
Southeast						
Early (4 entries)	1983	34.9	9-18	1.2	34	3143
	1984	40.4	9-26	1.9	41	2828
	1985	50.7	9-27	1.8	44	2518
	1986	57.1	9-23	2.9	45	2720
	1987	38.6	9-19	1.8	35	-----
Late (2 entries)	1983	32.8	9-23	1.0	30	2920
	1984	40.0	10-1	1.7	40	2735
	1985	48.5	10-3	1.9	45	2485
	1986	61.0	9-29	2.9	47	2560
	1987	41.4	9-26	1.9	39	-----
South Central						
Early (10 entries)	1983	53.7	9-20	1.9	40	3498
	1984	53.8	9-20	1.5	30	2592
	1985	47.5	10-3	2.7	41	2518
	1986	60.5	9-21	2.0	39	2773
	1987	49.5	9-14	1.7	39	-----
Late (5 entries)	1983	52.1	9-26	2.0	40	2923
	1984	57.9	9-27	2.1	36	2523
	1985	40.7	10-5	3.5	43	2505
	1986	57.5	9-27	1.9	43	2718
	1987	49.4	9-21	1.9	44	-----

TABLE 5. NORTHEAST SOYBEAN PERFORMANCE. DIXON COUNTY. EARLY. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
THOMPSON FARMS	T-11	42.7	96	9-21	1.0	33
FONTANELLE	F-3850	42.6	96	9-22	1.0	34
HOFER	SAPPHIRE	43.7	99	9-22	1.0	34
LINCOLN SEED	EXP LS 7122	44.3	100	9-22	1.0	36
MC CUBBIN	EX 17748	48.8	110	9-22	1.0	33
----	WEBER 84	44.0	99	9-23	1.0	36
ASGROW	A1937	45.7	103	9-23	1.0	37
AGRIGENE	AG119	46.6	105	9-24	1.0	34
PRIDE	X720	50.3	114	9-24	1.0	33
ASGROW	A2234	46.9	106	9-25	1.0	33
MCCURDY/RIVERSID	1405	42.0	95	9-25	1.3	36
AGRIPRO	AP 2021	45.8	103	9-26	1.0	37
FONTANELLE	EXP 3900	39.4	89	9-27	1.0	39
NORTHRUP KING	S 23-03	46.4	105	9-27	1.0	38
SOI	266	47.0	106	9-27	1.0	34
SRF	220P	45.4	103	9-27	1.0	39
----	BSR 101	42.8	97	9-28	1.0	36
AGRIPRO	AP 2190	43.2	98	9-28	1.0	37
HOEGEMEYER	250	52.4	118	9-28	1.0	37
HY-VIGOR	DERBY 9	46.8	106	9-28	2.3	39
HY-VIGOR	ROW KING	47.0	106	9-28	2.0	42
JACOBSEN	EXP 784	46.1	104	9-28	1.3	38
KAUP SEED	EXP 86-3	52.3	118	9-28	1.3	36
LYNKS SEEDS	LX8202	48.6	110	9-28	1.0	38
MC CUBBIN	LYON	48.2	109	9-28	1.0	34
MIDWEST OILSEEDS	EX2960-21	52.1	118	9-28	1.0	33
SEXAUER	SX-1090	45.5	103	9-28	1.0	38
SEXAUER	SX-2080	48.6	110	9-28	1.0	36
SEXAUER	SX-29	49.6	112	9-28	1.5	39
SOI	277	52.1	118	9-28	1.0	38
STINE	2510	46.0	104	9-28	1.3	34
TRI VALLEY	ARCHER	47.0	106	9-28	1.0	36
WILSON BLEND	2145	48.5	110	9-28	1.0	35
WILSON BLEND	2404	49.3	111	9-28	1.0	38
YOUNKERMAN	MAVERICK	51.6	117	9-28	1.3	37
DEKALB-PFIZER	CX226	52.9	120	9-29	1.3	33
DEKALB-PFIZER	CX264	47.9	108	9-29	1.0	36
DESOY	555R	51.1	115	9-29	1.0	36
DIAMOND BRAND	D201	48.2	109	9-29	1.0	38
HILL SEED	HS2275	47.8	108	9-29	1.0	37
HOEGEMEYER	208	46.1	104	9-29	1.0	37
HOFER	JEWELL	48.3	109	9-29	1.0	36
HORIZON	H-25	49.3	111	9-29	1.3	38
JACOBSEN	CYCLONE II	47.2	107	9-29	1.0	38
JACQUES	J-103	44.9	101	9-29	1.0	37
LINCOLN SEED	LS 7221	49.6	112	9-29	1.0	38
MCCURDY/RIVERSID	260B	49.8	113	9-29	1.3	36
MERSHMAN	COMANCHE II	47.5	107	9-29	1.3	34
NORTHRUP KING	S 27-10	51.0	115	9-29	1.0	35
OHLDE	2190	50.2	113	9-29	1.0	37
PRAIRIE BRAND	PB-275	49.8	113	9-29	1.0	37
PRIDE	B236	48.0	108	9-29	1.0	37
PROFISEED	PS 1152	47.8	108	9-29	1.0	34
S BRAND	S-45J	49.5	112	9-29	1.0	35
TERRA	DECATHALON	51.3	116	9-29	1.0	37
THOMPSON FARMS	T-25C	49.1	111	9-29	1.0	37
----	ELGIN 87	51.3	116	9-30	1.3	36
----	HACK	47.1	106	9-30	1.0	35
AGRIGENE	AG123	45.7	103	9-30	1.0	37
ARROW SEED	AS2645	45.8	103	9-30	1.8	38
DESOY	555+	49.9	113	9-30	1.0	36
GOLDEN HARVEST	H-1233	50.1	113	9-30	1.5	38
HILL SEED	HS2400	48.8	110	9-30	1.3	38
JACQUES	J-271	49.0	111	9-30	1.3	39
KRUGER	KB220B	48.4	109	9-30	1.3	38
KRUGER	K2162	48.8	110	9-30	1.3	36
MERSHMAN	MUNSEE II	50.4	114	9-30	1.0	34
S BRAND	S-45H	49.5	112	9-30	1.0	33
TERRA	EXP 250	53.3	120	9-30	1.3	38
TRI VALLEY	TV 22	50.2	113	9-30	1.5	34
YOUNKERMAN	MALIBU	48.7	110	9-30	1.0	31
----	PLATTE	41.7	94	10- 1	1.0	38
DIAMOND BRAND	D220B	47.0	106	10- 1	1.0	37
----	U83-75056	43.3	98	10- 2	2.4	38
CUSTOM FARM SEED	CFS 240	50.0	113	10- 2	1.5	38
AVERAGE ALL ENTRIES		47.8		9-28	1.1	36.3
DIF. REQ. FOR SIG. 5%		4.1		1.4	0.4	2.6
25%		2.4		0.8	0.2	1.5

Yield in bushels per acre and % of Hack, Platte and Pella 86.

TABLE 6. NORTHEAST SOYBEAN PERFORMANCE. EARLY. 1986-1987.

BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
2-YEAR AVERAGE							
----	WEBER 84	41.2	97	9-23	1.0	34	3330
ASGROW	A1937	40.6	95	9-25	1.0	34	3050
----	BSR 101	39.7	93	9-28	1.0	34	2970
NORTHRUP KING	S 23-03	45.4	107	9-28	1.0	37	2790
AGRIPRO	AP 2190	43.2	102	9-29	1.0	36	2650
DIAMOND BRAND	D201	47.7	112	9-29	1.0	37	2760
HILL SEED	HS2275	44.3	104	9-29	1.0	35	2930
HOEGEMEYER	208	45.0	106	9-29	1.0	35	2860
HOFLER	JEWELL	43.7	103	9-29	1.0	34	2830
HY-VIGOR	DERBY 9	43.2	102	9-29	1.8	37	3150
LYNKS SEEDS	LX8202	44.8	105	9-29	1.0	35	2760
MCCURDY/RIVERSID	2608	45.9	108	9-29	1.2	34	2940
STINE	2510	42.9	101	9-29	1.2	31	2990
WILSON BLEND	2145	46.3	109	9-29	1.0	32	2880
----	HACK	44.5	105	9-30	1.0	32	2870
----	PLATTE	41.9	99	9-30	1.0	37	3120
DEKALB-PFIZER	CX264	46.1	108	9-30	1.0	33	2980
DESOY	555R	46.4	109	9-30	1.0	34	3020
GOLDEN HARVEST	H-1233	47.4	111	9-30	1.3	35	3110
HORIZON	H-25	47.3	111	9-30	1.2	35	3110
LINCOLN SEED	LS 7221	47.1	111	9-30	1.0	36	3070
NORTHRUP KING	S 27-10	47.2	111	9-30	1.0	33	3200
PRIDE	B236	47.0	111	9-30	1.0	35	2700
PROFISEED	PS 1152	44.4	104	9-30	1.0	31	2970
TERRA	DECATHALON	47.6	112	9-30	1.0	34	3090
DIAMOND BRAND	D2208	45.8	108	10- 1	1.0	35	2870
HILL SEED	HS2400	46.4	109	10- 1	1.2	36	2900
TRI VALLEY	TV 22	47.5	112	10- 1	1.3	33	2810
CUSTOM FARM SEED	CFS 240	46.9	110	10- 2	1.3	35	3080
AVERAGE ALL ENTRIES		45.1		9-29	1.1	34.4	2958
DIF. REQ. FOR SIG.	5%	4.0		1.6	0.4	2.0	165
	25%	2.3		0.9	0.2	1.2	97

yield in bushels per acre and % of Hack, Platte and Weber 84.
Seeds pound: No 1987 data.

TABLE 7. NORTHEAST SOYBEAN PERFORMANCE. EARLY. 1983-1987.

BRAND	ENTRY	YIELD		MATURE	LODGING	HEIGHT	SEEDS
		BU/A	%	DATE	SCORE	INCHES	POUND
3-YEAR AVERAGE							
ASGROW	A1937	45.9	99	9-25	1.0	35	2760
HY-VIGOR	DERBY 9	47.9	103	9-28	1.5	37	2880
----	BSR 101	45.9	99	9-30	1.0	35	2720
DEKALB-PFIZER	CX264	50.3	108	9-30	1.0	35	2790
NORTHRUP KING	S 23-03	48.8	105	9-30	1.2	38	2630
PROFISEED	PS 1152	48.9	105	9-30	1.0	32	2780
TERRA	DECATHALON	51.0	110	9-30	1.0	34	2810
GOLDEN HARVEST	H-1233	50.9	110	10- 1	1.2	35	2830
HOFER	JEWELL	49.7	107	10- 1	1.0	35	2590
LINCOLN SEED	LS 7221	51.6	111	10- 1	1.0	36	2790
LYNKS SEEDS	LX8202	51.2	110	10- 1	1.0	36	2540
MCCURDY/RIVERSID	260B	50.7	109	10- 1	1.1	35	2730
STINE	2510	49.7	107	10- 1	1.1	32	2720
----	HACK	49.9	107	10- 2	1.0	33	2630
NORTHRUP KING	S 27-10	52.5	113	10- 2	1.0	34	2950
TRI VALLEY	TV 22	51.9	112	10- 2	1.2	34	2660
----	PLATTE	45.8	99	10- 3	1.0	38	2890
DIAMOND BRAND	D220B	50.8	109	10- 3	1.0	36	2750
AVERAGE ALL ENTRIES		49.6		10- 1	1.1	35.0	2747
DIF. REQ. FOR SIG. 5%		4.0		2.9	NS	1.8	132
25%		2.3		1.7	0.2	1.0	86
4-YEAR AVERAGE							
HY-VIGOR	DERBY 9	51.1	106	9-27	1.8	38	2910
DEKALB-PFIZER	CX264	53.5	111	9-29	1.2	35	2880
PROFISEED	PS 1152	52.8	109	9-29	1.4	34	2880
STINE	2510	53.1	110	9-29	1.5	33	2760
TERRA	DECATHALON	54.9	114	9-29	1.4	36	2860
GOLDEN HARVEST	H-1233	52.8	109	9-30	1.3	35	2920
HOFER	JEWELL	51.8	107	9-30	1.2	37	2710
LINCOLN SEED	LS 7221	54.4	113	9-30	1.4	36	2850
LYNKS SEEDS	LX8202	53.4	111	9-30	1.3	36	2680
MCCURDY/RIVERSID	260B	52.1	108	9-30	1.4	35	2780
----	HACK	51.8	107	10- 1	1.1	34	2710
----	PLATTE	47.1	97	10- 1	1.3	39	3000
DIAMOND BRAND	D220B	52.2	108	10- 2	1.3	37	2850
AVERAGE ALL ENTRIES		52.4		9-30	1.4	35.8	2830
DIF. REQ. FOR SIG. 5%		3.8		NS	NS	1.9	126
25%		2.2		1.3	0.2	1.1	72
5-YEAR AVERAGE							
----	PLATTE	46.3	99	9-29	1.3	39	3070

% yield based on average of Amsoy 71 > Platte (1984); Century > Hack (1986);
 Weber > Weber 84 (1986).
 Seeds pound: No 1987 data.

TABLE 8. NORTHEAST SOYBEAN PERFORMANCE. DIXON COUNTY. LATE. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
----	WEBER 84	52.0	102	9-23	1.0	41
HOFLER	GEM II	57.7	114	9-28	1.0	37
MC CUBBIN	EX 26730	53.2	105	9-28	1.0	38
S BRAND	S-45D+	58.2	115	9-28	1.0	38
----	HOYT	54.3	107	9-29	1.0	27
AGRIGENE	AG125	51.6	102	9-29	1.3	38
HILL SEED	EX267	61.3	121	9-29	1.0	39
HOEGEMEYER	281	60.4	119	9-29	1.0	37
HORIZON	H-28	60.2	119	9-29	1.5	39
HY-VIGOR	EX-K-3903	57.3	113	9-29	1.0	38
JACOBSEN	J776	55.6	110	9-29	1.3	38
LINCOLN SEED	EXP LS 7241	54.9	108	9-29	1.0	38
S BRAND	S-46F	60.6	119	9-29	1.0	41
SOI	EXP 268	56.5	111	9-29	1.0	38
STINE	2770	57.2	113	9-29	1.0	38
TRI VALLEY	BLAZER	58.2	115	9-29	1.3	37
TRI VALLEY	BLAZER II	51.2	101	9-29	1.0	34
YOUNKERMANN	BOBCAT III	59.7	118	9-29	1.0	38
DESOY	650+	53.8	106	9-30	1.3	40
KRUGER	KB254+	56.4	111	9-30	1.3	38
SANSGAARD SEED	ZEPHYR	58.3	115	9-30	1.0	39
----	CENTURY 84	51.9	102	10- 1	1.3	39
----	HACK	50.4	99	10- 1	1.0	36
----	PLATTE	49.8	98	10- 1	1.3	40
AGRIPRO	AP 3023	49.1	97	10- 1	1.0	40
GOLDEN HARVEST	X277	57.0	112	10- 1	1.0	39
HOFLER	RUBY	54.2	107	10- 1	1.0	38
JACOBSEN	BIG RED III	54.8	108	10- 1	1.3	45
LATHAM	EX 920	62.2	123	10- 1	1.0	36
LYNKS SEEDS	LX8252	51.3	101	10- 1	1.0	38
MCCURDY/RIVERSID	303C	51.4	101	10- 1	1.0	40
MERSHMAN	CHEYENNE II	53.8	106	10- 1	1.0	38
WILSON BLEND	2505R	56.1	111	10- 1	1.0	38
----	FREMONT	50.3	99	10- 2	1.0	41
DEKALB-PFIZER	CX283	52.7	104	10- 2	1.5	43
DESOY	750R	54.3	107	10- 2	1.0	39
DIAMOND BRAND	D245	52.5	103	10- 2	2.0	46
DIAMOND BRAND	TC204A	54.5	107	10- 2	1.0	40
FONTANELLE	F-4545	53.6	106	10- 2	1.0	41
FONTANELLE	F-4760	48.3	95	10- 2	1.0	47
GOLDEN HARVEST	H-1285	55.2	109	10- 2	1.0	39
HILL SEED	HS2700	57.0	112	10- 2	1.0	37
HOEGEMEYER	205	56.9	112	10- 2	1.0	40
HORIZON	H-21	53.0	104	10- 2	1.3	40
KRUGER	K2195	52.8	104	10- 2	1.0	39
LATHAM	1010	54.9	108	10- 2	1.3	40
MC CUBBIN	TAYLOR	52.6	104	10- 2	1.3	39
NORTHROP KING	S 29-20	57.4	113	10- 2	1.0	42
OHLDE	2193	53.3	105	10- 2	1.5	40
PROFISEED	PS 1350	52.4	103	10- 2	1.3	42
SOI	380	52.7	104	10- 2	1.3	41
TERRA	SPRINT	54.8	108	10- 2	1.0	41
YOUNKERMANN	YSC 20	53.3	105	10- 2	1.0	37
ASGROW	A2943	57.5	113	10- 3	1.0	39
KAUP SEED	KS 2690	54.2	107	10- 3	1.0	39
LINCOLN SEED	LS 7225	53.8	106	10- 3	1.8	43
MCCURDY/RIVERSID	3033	55.4	109	10- 3	1.5	39
WILSON BLEND	3182	56.4	111	10- 3	1.3	42
AGRIPRO	AP 3132	54.3	107	10- 4	1.0	37
DEKALB-PFIZER	CX326	57.9	114	10- 4	1.0	37
HY-VIGOR	HYLANDER	57.0	112	10- 4	1.5	45
TERRA	ADVANCE	51.7	102	10- 4	1.8	40
----	LOGAN	55.0	108	10- 5	1.3	48
----	PELLA 86	57.5	113	10- 5	1.3	38
----	U80-64032	54.5	107	10- 5	1.3	40
----	U80-68130	54.0	106	10- 5	1.8	38
----	ZANE	54.6	108	10- 5	1.8	40
DIAMOND BRAND	D280B	53.1	105	10- 5	1.3	42
AVERAGE ALL ENTRIES		54.9		10- 1	1.2	39.4
DIF. REQ. FOR SIG.	5%	4.6		1.2	0.4	2.9
	25%	2.7		0.7	0.3	1.7

Yield in bushels per acre and % of Hack, Platte and Pella 86.

TABLE 9. NORTHEAST SOYBEAN PERFORMANCE. LATE. 1986-1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
		BU/A	%				
2-YEAR AVERAGE							
----	WEBER 84	45.6	98	9-23	1.0	36	3300
S BRAND	S-45D+	53.2	115	9-29	1.0	36	3150
----	HOYT	50.2	108	9-30	1.0	25	3330
S BRAND	S-46F	53.3	115	9-30	1.0	36	3380
STINE	2770	52.6	113	9-30	1.0	36	3310
TRI VALLEY	BLAZER	51.4	111	9-30	1.2	36	3080
TRI VALLEY	BLAZER II	48.0	103	9-30	1.0	33	2890
YOUNKERMEN	BOBCAT III	50.4	109	9-30	1.0	36	2850
----	CENTURY 84	45.0	97	10- 1	1.2	36	3000
----	HACK	46.8	101	10- 1	1.0	33	2850
----	PLATTE	44.6	96	10- 1	1.2	37	3130
LYNKS SEEDS	LX8252	47.0	101	10- 1	1.0	35	2780
----	FREMONT	45.4	98	10- 2	1.0	39	2890
AGRIPRO	AP 3023	44.1	95	10- 2	1.0	38	2960
DESOY	750R	49.7	107	10- 2	1.0	36	3160
FONTANELLE	F-4545	49.5	107	10- 2	1.0	39	3230
HILL SEED	HS2700	51.8	112	10- 2	1.0	36	3120
HOEGEMEYER	205	51.3	110	10- 2	1.0	37	3180
HORIZON	H-21	49.5	107	10- 2	1.2	37	3060
LATHAM	1010	50.0	108	10- 2	1.2	36	3040
MC CUBBIN	TAYLOR	48.8	105	10- 2	1.2	38	3160
TERRA	SPRINT	51.4	111	10- 2	1.0	37	2730
WILSON BLEND	2505R	51.2	110	10- 2	1.0	35	2850
YOUNKERMEN	YSC 20	49.1	106	10- 2	1.0	35	2940
AGRIPRO	AP 3132	48.9	105	10- 3	1.0	35	3080
DIAMOND BRAND	D245	47.2	102	10- 3	2.0	42	3310
DIAMOND BRAND	TC204A	50.4	109	10- 3	1.0	36	3200
GOLDEN HARVEST	H-1285	49.3	106	10- 3	1.0	37	3150
KRUGER	K2195	48.6	105	10- 3	1.0	36	2910
LINCOLN SEED	LS 7225	49.2	106	10- 3	1.6	39	3170
OHLDE	2193	49.5	107	10- 3	1.3	36	3150
ASGROW	A2943	49.3	106	10- 4	1.0	36	3100
TERRA	ADVANCE	47.3	102	10- 4	1.4	36	2930
WILSON BLEND	3182	49.5	107	10- 4	1.2	36	2850
----	U80-64032	48.3	104	10- 5	1.2	37	2950
----	ZANE	47.2	102	10- 5	1.4	37	2690
----	LOGAN	49.4	106	10- 6	1.2	43	2800
DEKALB-PFIZER	CX326	50.6	109	10- 6	1.0	35	3350
DIAMOND BRAND	D280B	48.8	105	10- 6	1.3	37	3110
----	U80-68130	48.8	105	10- 8	1.6	37	2860
AVERAGE ALL ENTRIES		49.1		10- 2	1.1	36.3	3050
DIF. REQ. FOR SIG. 5%		4.0		2.1	0.3	3.5	199
25%		2.2		1.2	2.2	2.0	117

% yield based on average of Hack, Platte and Weber 84.

Seeds pound: No 1987 data.

TABLE 10. NORTHEAST SOYBEAN PERFORMANCE. LATE. 1983-1987.

BRAND	ENTRY	YIELD		MATURE	LOGGING	HEIGHT	SEEDS
		BU/A	%	DATE	SCORE	INCHES	POUND
3-YEAR AVERAGE							
TRI VALLEY	BLAZER	53.4	111	10- 2	1.2	36	2860
----	CENTURY 84	46.5	97	10- 3	1.1	36	2770
----	PLATTE	47.4	98	10- 3	1.1	38	2930
LYNKS SEEDS	LX8252	50.2	104	10- 3	1.0	36	2660
YOUNKERMAN	BOBCAT III	51.7	107	10- 3	1.0	37	2680
AGRIPRO	AP 3023	46.9	97	10- 4	1.0	39	2720
DIAMOND BRAND	TC204A	52.9	110	10- 4	1.0	36	2920
FUNTANELLE	F-4545	52.0	108	10- 4	1.0	40	2970
GOLDEN HARVEST	H-1285	51.6	107	10- 4	1.0	37	2930
HILL SEED	HS2700	55.0	114	10- 4	1.0	37	2890
HORIZON	H-21	52.4	109	10- 4	1.1	37	2900
LATHAM	1010	51.9	108	10- 4	1.1	37	2840
LINCOLN SEED	LS 7225	51.9	108	10- 4	1.4	40	2960
MC CUBBIN	TAYLOR	52.0	108	10- 4	1.1	38	2970
OHLDE	2193	52.6	109	10- 4	1.2	38	2880
TERRA	SPRINT	53.8	112	10- 4	1.0	38	2730
WILSON BLEND	2505R	53.2	110	10- 4	1.0	37	2750
----	FREMONT	46.6	97	10- 5	1.0	40	2770
DIAMOND BRAND	D245	50.2	104	10- 5	1.8	43	3110
----	ZANE	47.1	98	10- 6	1.3	37	2610
ASGROW	A2943	48.0	100	10- 7	1.0	37	3040
----	LOGAN	49.3	102	10- 8	1.1	43	2660
AVERAGE ALL ENTRIES		50.8		10- 4	1.1	30.0	2843
DIF. REQ. FOR SIG.	5%	4.3		1.5	0.3	2.1	214
	25%	2.5		0.9	0.1	1.2	122
4-YEAR AVERAGE							
----	CENTURY 84	47.6	97	10- 1	1.3	39	2780
TRI VALLEY	BLAZER	54.0	110	10- 1	1.4	36	2920
YOUNKERMAN	BOBCAT III	55.4	112	10- 1	1.3	38	2640
----	PLATTE	47.1	96	10- 2	1.4	38	2930
HILL SEED	HS2700	55.3	112	10- 2	1.4	36	2900
WILSON BLEND	2505R	54.3	110	10- 2	1.5	38	2780
----	FREMONT	47.9	97	10- 3	1.2	39	2790
DIAMOND BRAND	TC204A	53.0	108	10- 3	1.4	37	2940
GOLDEN HARVEST	H-1285	53.8	109	10- 3	1.3	38	2940
LATHAM	1010	53.4	108	10- 3	1.4	37	2890
LINCOLN SEED	LS 7225	53.1	108	10- 3	1.7	39	2950
MC CUBBIN	TAYLOR	53.8	109	10- 3	1.5	39	2940
OHLDE	2193	53.4	108	10- 3	1.5	38	2890
TERRA	SPRINT	54.6	111	10- 3	1.3	38	2770
----	ZANE	49.0	99	10- 4	1.3	39	2590
DIAMOND BRAND	D245	52.1	106	10- 4	2.1	43	3100
----	LOGAN	50.0	101	10- 5	1.5	44	2680
ASGROW	A2943	51.9	105	10- 5	1.2	38	3010
AVERAGE ALL ENTRIES		52.2		10- 3	1.4	38.7	2858
DIF. REQ. FOR SIG.	5%	4.4		1.5	0.3	2.5	180
	25%	2.6		0.9	0.2	1.5	103
5-YEAR AVERAGE							
TRI VALLEY	BLAZER	53.3	113	9-29	1.4	36	3000
----	PLATTE	46.2	98	9-30	1.3	38	2990
DIAMOND BRAND	TC204A	51.6	109	10- 1	1.3	38	3070
GOLDEN HARVEST	H-1285	52.1	110	10- 1	1.3	39	3040
LINCOLN SEED	LS 7225	51.6	109	10- 1	1.6	40	3040
MC CUBBIN	TAYLOR	52.2	110	10- 1	1.5	39	3060
----	LOGAN	48.2	102	10- 3	1.4	44	2770
ASGROW	A2943	49.9	105	10- 3	1.2	37	3080
AVERAGE ALL ENTRIES		50.6		10- 1	1.4	38.9	3006
DIF. REQ. FOR SIG.	5%	4.3		1.3	0.3	2.3	119
	25%	2.5		0.8	0.2	1.3	67

% yields based on average of Amsoy 71 > Platte (1984); Century > Hack (1986);
Weber > Weber 84 (1986).

SEEDS POUND: NO 1987 DATA.

TABLE 11. EAST CENTRAL SOYBEAN PERFORMANCE. DODGE COUNTY. EARLY. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
----	BSR 101	44.2	97	9-23	1.0	32
ASGROW	A2234	45.4	99	9-23	1.0	26
----	ELGIN 87	46.4	101	9-24	1.3	31
DIAMOND BRAND	D201	48.1	105	9-24	1.0	35
HILL SEED	EX267	49.8	109	9-24	1.0	34
HOFLER	GEM II	52.1	114	9-24	1.5	35
HORIZON	H-28	48.6	106	9-24	1.3	33
HY-VIGOR	EX-K-3903	50.2	110	9-24	1.0	34
NORTHROP KING	S 23-03	46.9	103	9-24	1.0	34
S BRAND	S-45D+	49.6	108	9-24	1.3	34
SANSGAARD SEED	ZEPHYR	48.5	106	9-24	1.0	33
SEXAUER	SX-2080	43.7	96	9-24	1.0	32
SOI	269	45.1	99	9-24	1.0	31
STINE	2770	50.0	109	9-24	1.0	35
TRI VALLEY	BLAZER 86	51.0	112	9-24	1.0	34
WILSON BLEND	2404	48.9	107	9-24	1.3	34
----	PLATTE	43.9	96	9-25	1.0	35
AGRIGENE	AG127	42.4	93	9-25	1.5	34
GOLDEN HARVEST	X277	51.0	112	9-25	1.0	34
MCCURDY/RIVERSID	303C	43.5	95	9-25	1.5	34
PRIDE	B236	48.0	105	9-25	1.0	32
S BRAND	S-46F	49.5	108	9-25	1.3	34
----	CENTURY 84	44.4	97	9-26	1.0	33
----	HACK	45.8	100	9-26	1.0	31
AGRIPRO	AP 3023	41.1	90	9-26	1.5	33
DESOY	650+	48.8	107	9-26	1.0	34
HILL SEED	HS2400	46.8	102	9-26	1.5	36
KRUGER	KB2156	45.5	99	9-26	1.3	29
KRUGER	KB254+	48.1	105	9-26	1.0	34
MC CUBBIN	EX 26864	49.1	107	9-26	1.0	35
MCCURDY/RIVERSID	260B	46.8	102	9-26	1.0	33
SEXAUER	SX-2090	45.8	100	9-26	2.0	42
SRF	270	42.2	92	9-26	1.8	40
YOUNKERMEN	CUTLASS 88	46.6	102	9-26	1.3	37
AGRIGENE	AG126	44.1	96	9-27	1.5	38
DIAMOND BRAND	TC204A	47.3	103	9-27	1.3	34
FONTANELLE	F-4545	48.4	106	9-27	1.3	34
GOLDEN HARVEST	H-1233	49.1	107	9-27	1.5	33
HOEGEMEYER	327	44.7	98	9-27	1.5	35
JACOBSEN	J970	47.6	104	9-27	1.3	39
LINCOLN SEED	EXP LS 7236	48.6	106	9-27	1.3	34
LINCOLN SEED	LS 7225	48.1	105	9-27	1.5	34
MERSHMAN	CHEYENNE II	48.2	105	9-27	1.0	33
NORTHROP KING	S 27-10	50.7	111	9-27	1.0	30
TERRA	SPRINT	46.3	101	9-27	1.3	33
TRI VALLEY	BUICK	47.7	104	9-27	1.0	28
----	FREMONT	43.0	94	9-28	1.0	36
FONTANELLE	F-4760	48.4	106	9-28	1.3	42
HOEGEMEYER	205	48.9	107	9-28	1.5	36
JACOBSEN	J824	49.3	108	9-28	1.3	35
KAUP SEED	EXP 86-7	49.8	109	9-28	1.3	34
KAUP SEED	KS 2690	49.5	108	9-28	1.3	34
MC CUBBIN	TAYLOR	48.5	106	9-28	1.3	35
OHLDE	2193	49.1	107	9-28	1.5	34
PRAIRIE BRAND	ZENITH II	46.4	101	9-28	1.0	34
SOI	EXP 23707	45.9	100	9-28	2.0	40
AGRIPRO	AP 3132	47.4	104	9-29	1.0	33
HOFLER	SUNSTONE	46.3	101	9-29	1.0	37
PRIDE	X729	41.6	91	9-29	1.0	34
YOUNKERMEN	YSC 32	44.9	98	9-29	1.0	33
----	LOGAN	46.4	101	9-30	1.8	43
----	U83-75056	42.8	94	9-30	1.8	36
DESOY	797	47.2	103	9-30	1.0	34
HORIZON	H-29	50.2	110	9-30	1.0	33
HY-VIGOR	EX-399	39.8	87	9-30	1.5	38
LYNKS SEEDS	LX8252	49.0	107	9-30	1.0	31
OHLDE	3000	50.2	110	9-30	1.3	36
TERRA	ADVANCE	46.0	101	9-30	1.3	36
WILSON BLEND	2505	47.8	105	9-30	1.0	34
----	PELLA 86	48.4	106	10- 1	1.0	37
AVERAGE ALL ENTRIES		47.1		9-27	1.2	34.4
DIF. REQ. FOR SIG. 5%		4.1		1.4	0.5	2.7
25%		2.4		0.8	0.3	1.6

Yield in bushels per acre and % of Fremont, Hack and Pella 86.

TABLE 12. EAST CENTRAL SOYBEAN PERFORMANCE. EARLY. 1986-1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
		BU/A	%				
2-YEAR AVERAGE							
----	BSR 101	54.8	99	9-21	1.8	36	2640
DIAMOND BRAND	D201	58.6	106	9-23	1.5	38	2300
NORTHRUP KING	S 23-03	58.3	106	9-24	2.0	38	2620
----	CENTURY 84	54.3	98	9-25	1.0	37	2530
----	PLATTE	52.2	95	9-25	1.5	39	2960
HY-VIGOR	EX-K-3903	60.7	110	9-25	2.0	37	2940
STINE	2770	62.9	114	9-25	1.9	37	2970
TRI VALLEY	BLAZER 86	60.1	109	9-25	1.8	36	3090
----	HACK	55.8	101	9-26	1.3	35	2410
AGRIPRO	AP 3023	54.9	99	9-26	1.9	38	2610
HILL SEED	HS2400	57.5	104	9-26	1.7	40	2470
GOLDEN HARVEST	H-1233	56.0	101	9-27	2.4	35	2940
NORTHRUP KING	S 27-10	59.4	108	9-27	1.9	35	2820
----	FREMONT	52.7	95	9-28	1.0	40	2620
HORIZON	H-29	60.6	110	9-28	1.8	36	2400
LYNKS SEEDS	LX8252	59.5	108	9-28	1.8	35	2470
DIAMOND BRAND	TC204A	55.0	100	9-29	1.9	38	3100
FONTANELLE	F-4545	57.0	103	9-29	2.4	38	2980
MERSHMAN	CHEYENNE II	55.3	100	9-29	1.7	36	2990
OHLDE	2193	59.3	107	9-29	2.3	38	3030
----	LOGAN	58.0	105	9-30	2.4	47	2400
HOEGEMEYER	205	57.8	105	9-30	2.3	39	2890
PRAIRIE BRAND	ZENITH II	57.0	103	9-30	2.2	38	2980
MC CUBBIN	TAYLOR	56.1	102	10- 1	2.4	39	2930
WILSON BLEND	2505	54.7	99	10- 1	1.7	37	2980
HOFER	SUNSTONE	56.8	103	10- 2	2.0	41	2400
YOUNKERMAN	YSC 32	54.8	99	10- 2	2.0	39	2780
AVERAGE ALL ENTRIES		57.0		9-27	1.9	37.9	2750
DIF. REQ. FOR SIG. 5%		4.9		4.3	NS	2.3	146
25%		2.8		2.4	0.5	1.3	86

% yield based on average of Fremont, Hack, and Pella > Pella 86 (1987).

Seeds pound: No 1987 data.

TABLE 13. EAST CENTRAL SOYBEAN PERFORMANCE. EARLY. 1982-1987. NO 1984 DATA.

BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
3-YEAR AVERAGE							
----	BSR 101	53.2	106	9-20	1.6	37	2530
NORTHROP KING	S 23-03	54.2	108	9-23	2.2	39	2540
----	CENTURY 84	49.7	99	9-24	1.2	39	2420
GOLDEN HARVEST	H-1233	52.5	104	9-25	2.4	37	2820
HORIZON	H-29	53.5	106	9-25	2.1	37	2340
LYNKS SEEDS	LX8252	52.4	104	9-25	1.8	36	2410
NORTHROP KING	S 27-10	52.4	104	9-25	1.8	37	2870
----	HACK	52.0	103	9-26	1.2	37	2440
----	PLATTE	47.6	95	9-26	1.6	41	2810
AGRIPRO	AP 3023	51.5	102	9-26	2.0	39	2420
DIAMOND BRAND	TC204A	51.7	103	9-29	2.1	39	2840
OHLDE	2193	55.1	109	9-29	2.7	40	2810
PRAIRIE BRAND	ZENITH II	53.7	107	9-29	2.4	40	2780
----	LOGAN	50.7	101	9-30	2.6	48	2390
HOEGEMEYER	205	53.0	105	9-30	2.3	40	2760
MC CUBBIN	TAYLOR	50.9	101	9-30	2.7	40	2760
WILSON BLEND	2505	51.9	103	9-30	1.9	40	2790
YOUNKERMEN	YSC 32	51.8	103	10- 2	1.9	40	2730
AVERAGE ALL ENTRIES		52.1		9-27	2.0	39.2	2637
DIF. REQ. FOR SIG.	5%	NS		3.9	0.7	1.8	259
	25%	NS		2.3	0.4	1.0	146
4-YEAR AVERAGE							
----	PLATTE	46.2	99	9-26	1.5	38	2850
DIAMOND BRAND	TC204A	49.3	106	9-28	1.8	37	2940
----	LOGAN	48.1	104	9-29	2.3	45	2480
HOEGEMEYER	205	50.6	109	9-29	2.1	37	2910
MC CUBBIN	TAYLOR	48.5	104	9-29	2.3	38	2880
WILSON BLEND	2505	49.3	106	9-29	1.9	38	2930
YOUNKERMEN	YSC 32	49.2	106	10- 1	1.8	38	2900
AVERAGE ALL ENTRIES		48.7		9-29	2.0	38.7	2841
DIF. REQ. FOR SIG.	5%	NS		2.3	NS	2.0	206
	25%	NS		1.3	0.3	1.1	115
5-YEAR AVERAGE							
----	PLATTE	48.0	103	9-27	1.4	38	2840
DIAMOND BRAND	TC204A	51.0	110	9-29	1.7	37	2920
HOEGEMEYER	205	51.9	112	9-30	2.0	37	2890
WILSON BLEND	2505	51.5	111	9-30	2.0	38	2860
YOUNKERMEN	YSC 32	51.6	111	10- 2	1.9	38	2900
AVERAGE ALL ENTRIES		50.8		9-30	1.8	37.6	2882
DIF. REQ. FOR SIG.	5%	2.5		1.9	NS	NS	NS
	25%	1.4		1.1	0.3	NS	NS

% yield based on average of Century > Fremont (1986); Mead > Hack (1986);
 Woodworth > Pella (1985) > Pella 86 (1987)
 Seeds pound: No 1987 data.

TABLE 14. EAST CENTRAL SOYBEAN PERFORMANCE. DODGE COUNTY. LATE. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
----	HOYT	45.5	95	9-25	1.5	22
DESOY	695	49.7	103	9-25	1.0	33
TRI VALLEY	BLAZER 87	54.5	113	9-25	1.0	35
STINE	3700	48.7	101	9-27	1.0	36
----	HACK	46.4	96	9-28	1.0	32
HILL SEED	HS2700	49.5	103	9-28	1.0	35
KRUGER	K2162	54.1	112	9-28	1.0	33
LYNKS SEEDS	LX8250	46.6	97	9-28	1.0	36
NORTHROP KING	S 29-20	47.8	99	9-28	1.0	35
----	FREMONT	49.1	102	9-29	1.0	37
GOLDEN HARVEST	H-1285	50.6	105	9-29	1.3	33
LYNKS SEEDS	LX8280	50.8	106	9-29	1.5	33
MC CUBBIN	EX 36758	52.5	109	9-29	1.3	39
S BRAND	S-47J	50.0	104	9-29	1.0	34
TRI VALLEY	CORVETTE	52.8	110	9-29	1.0	37
DIAMOND BRAND	D245	51.5	107	9-30	2.0	41
FONTANELLE	F-5708	49.2	102	9-30	1.0	38
HILL SEED	HS2850	52.6	109	9-30	1.3	35
HOEGEMEYER	375	49.4	103	9-30	1.3	36
HY-VIGOR	HYLANDER	56.8	118	9-30	2.5	42
KAUP SEED	KS 3555	48.6	101	9-30	1.3	36
MCCURDY/RIVERSID	3033	52.3	109	9-30	1.0	35
S BRAND	S-49C	50.9	106	9-30	1.0	37
SOI	376	48.6	101	9-30	1.3	37
YOUNKERMEN	CAMARO	47.9	100	9-30	1.3	35
YOUNKERMEN	COUGAR	49.9	104	9-30	1.0	35
HOEGEMEYER	368	56.2	117	10- 1	1.3	36
HOFLER	CRYSTAL	52.3	109	10- 1	1.0	35
HORIZON	H-52	52.1	108	10- 1	1.8	41
HY-VIGOR	EX-K-40-10	49.1	102	10- 1	2.0	39
MC CUBBIN	RENO	49.6	103	10- 1	1.3	34
MERSHMAN	CHEYENNE III	46.6	97	10- 1	1.0	35
MERSHMAN	TRUMAN II	49.9	104	10- 1	1.3	38
OHLDE	3193	48.4	101	10- 1	1.3	36
PRIDE	316 BRAND	49.1	102	10- 1	1.8	40
SOI	337	50.2	104	10- 1	1.3	36
WILSON BLEND	3182	51.1	106	10- 1	1.0	37
WILSON BLEND	3230	53.3	111	10- 1	1.3	36
ASGROW	A2943	49.7	103	10- 2	1.0	34
DIAMOND BRAND	D280B	47.8	99	10- 2	1.3	36
HORIZON	H-32	50.7	105	10- 2	1.0	34
JACOBSEN	J972	55.0	114	10- 2	1.0	36
PRIDE	X734	51.9	108	10- 2	1.5	41
----	PELLA 86	48.9	102	10- 3	1.3	36
----	U80-64032	47.6	99	10- 3	1.5	34
----	ZANE	51.4	107	10- 3	1.8	36
FONTANELLE	F-6161	52.5	109	10- 3	1.0	38
JACOBSEN	J973	48.7	101	10- 3	2.0	41
KRUGER	KB264+	50.1	104	10- 3	1.3	36
MCCURDY/RIVERSID	375B	49.3	102	10- 3	1.3	36
OHLDE	3257	50.9	106	10- 3	1.0	36
----	CHAMBERLAIN	50.7	105	10- 4	2.0	40
----	HARPER 87	51.6	107	10- 4	1.0	35
----	U80-68130	47.4	98	10- 4	1.8	38
----	WINCHESTER	43.6	91	10- 4	1.0	38
AGRIPRO	AP 3773	49.5	103	10- 4	2.0	37
AGRIPRO	AP 3977	48.4	101	10- 4	1.8	33
JACQUES	J-361	53.1	110	10- 4	1.0	40
SEXAUER	EXP. 100	49.6	103	10- 4	1.3	33
ASGROW	A3205	49.6	103	10- 5	1.0	36
DESOY	933+	46.3	96	10- 5	2.0	39
HOFLER	CORAL	50.5	105	10- 5	2.0	40
MIDWEST OILSEEDS	3960	50.5	105	10- 5	1.8	38
NORTHROP KING	S 33-45	45.1	94	10- 5	1.0	38
TERRA	TRIUMPH	54.3	113	10- 6	2.0	39
----	HOBBIT 87	55.1	114	10- 7	1.0	25
----	WILLIAMS 82	42.2	88	10- 7	2.0	41
JACQUES	E8737	46.4	96	10- 8	1.8	35
AVERAGE ALL ENTRIES		50.0		10- 1	1.3	36.2
DIF. REQ. FOR SIG. 5%		5.1		2.2	0.5	2.4
25%		3.0		1.3	0.3	1.4

Yield in bushels per acre and % of Fremont, Hack and Pella 86.

TABLE 15. EAST CENTRAL SOYBEAN PERFORMANCE. LATE. 1986-1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
		BU/A	%				
2-YEAR AVERAGE							
DESOY	595	57.5	106	9-26	1.3	37	2420
----	HACK	53.8	99	9-28	1.0	34	2490
----	HOYT	55.0	102	9-28	1.4	24	3100
STINE	3700	59.5	110	9-28	1.7	39	2790
----	FREMONT	55.9	103	9-29	1.4	41	2650
DIAMOND BRAND	D245	59.2	109	9-29	2.8	44	3190
TRI VALLEY	CORVETTE	59.4	110	9-29	1.8	39	2880
ASGROW	A2943	57.7	107	10- 1	1.0	37	2970
GOLDEN HARVEST	H-1285	56.4	104	10- 1	2.1	37	3100
HILL SEED	HS2700	56.0	103	10- 1	2.0	39	2910
MC CUBBIN	RENO	56.9	105	10- 1	2.1	39	2490
MERSHMAN	CHEYENNE III	56.5	104	10- 1	2.0	40	2450
PRIDE	315 BRAND	57.6	106	10- 1	2.6	43	2690
YOUNKERMEN	COUGAR	57.4	106	10- 1	1.9	38	2530
DIAMOND BRAND	D2808	55.8	103	10- 2	2.3	39	2970
HILL SEED	HS2850	58.6	108	10- 2	1.8	39	2400
HOEGEMEYER	375	56.5	104	10- 2	1.9	39	2920
HY-VIGOR	HYLANDER	61.9	114	10- 2	2.8	44	2760
KAUP SEED	KS 3555	58.1	107	10- 2	2.1	40	2830
LYNKS SEEDS	LX8280	56.8	105	10- 2	2.3	38	2910
MERSHMAN	TRUMAN II	55.9	103	10- 2	1.9	41	3020
WILSON BLEND	3230	59.5	110	10- 2	1.8	39	2890
YOUNKERMEN	CAMARU	56.5	104	10- 2	1.9	40	2420
----	ZANE	55.3	102	10- 3	1.9	39	2410
FONTANELLE	F-5708	58.4	108	10- 3	1.8	41	2840
FONTANELLE	F-6161	59.6	110	10- 3	1.7	42	2480
HOFLER	CRYSTAL	57.9	107	10- 3	2.0	39	2770
OHLDE	3193	57.0	105	10- 3	1.9	39	2930
WILSON BLEND	3182	55.4	102	10- 3	1.7	40	2480
----	U80-64032	57.3	106	10- 4	2.2	38	2750
HORIZON	H-52	61.3	113	10- 4	2.3	43	2710
MCCURDY/RIVERSID	3758	54.2	100	10- 4	2.1	39	3040
----	CHAMBERLAIN	59.1	109	10- 5	2.3	42	2470
----	WINCHESTER	52.4	97	10- 6	1.8	42	2440
AGRIPRO	AP 3773	57.8	107	10- 7	2.3	40	2440
HOFLER	CORAL	57.4	106	10- 7	2.7	42	2680
----	U80-68130	57.6	106	10-10	2.3	42	2560
----	WILLIAMS 82	50.5	93	10-11	2.3	45	2590
AVERAGE ALL ENTRIES		57.1		10- 2	2.0	39.6	2720
DIF. REQ. FOR SIG. 5%		4.8		4.0	0.8	2.6	140
25%		2.8		2.3	0.5	1.5	83

% yield based on average of Fremont, Hack and Pella > Pella 86 (1986).
 Seeds pound: No 1987 data.

TABLE 16. EAST CENTRAL SOYBEAN PERFORMANCE. LATE. 1982-1987. NO 1984 DATA.

BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
3-YEAR AVERAGE							
DESOY	695	53.7	109	9-28	1.3	39	2380
STINE	3700	56.7	115	9-29	1.9	41	2730
----	FREMONT	51.6	104	9-30	1.4	42	2500
ASGROW	A2943	54.1	109	10- 1	1.0	38	2850
DIAMOND BRAND	D245	56.4	114	10- 1	2.8	45	3070
GOLDEN HARVEST	H-1285	53.3	108	10- 1	2.3	40	2880
HILL SEED	HS2700	52.9	107	10- 1	2.3	40	2750
HOEGEMEYER	375	53.1	107	10- 1	1.9	41	2770
MC CUBBIN	RENO	55.1	111	10- 1	2.0	41	2360
YOUNKERMANN	COUGAR	53.8	109	10- 1	2.1	40	2430
----	ZANE	52.3	106	10- 2	1.7	40	2280
FONTANELLE	F-5708	53.3	108	10- 2	1.8	42	2770
LYNKS SEEDS	LX8280	53.2	108	10- 2	2.4	40	2720
WILSON BLEND	3230	53.8	109	10- 2	2.0	41	2800
YOUNKERMANN	CAMARU	53.4	108	10- 2	2.0	41	2370
HOFER	CRYSTAL	53.1	107	10- 3	2.2	41	2710
MCCURDY/RIVERSID	375B	50.4	102	10- 3	2.2	40	2840
OHLDE	3193	52.4	106	10- 3	1.9	41	2790
HORIZON	H-52	56.2	114	10- 4	2.5	45	2660
----	WINCHESTER	47.4	96	10- 6	1.8	43	2390
----	WILLIAMS 82	45.8	93	10- 9	2.2	44	2510
AVERAGE ALL ENTRIES		53.0		10- 2	2.0	41.2	2646
DIF. REQ. FOR SIG.	5%	3.9		3.1	0.6	2.5	159
	25%	2.3		1.8	0.3	1.4	90
4-YEAR AVERAGE							
ASGROW	A2943	51.2	111	9-30	1.0	36	2960
YOUNKERMANN	COUGAR	51.0	110	10- 1	1.9	38	2720
MCCURDY/RIVERSID	375B	48.5	105	10- 2	2.0	38	3010
----	WINCHESTER	43.7	95	10- 6	1.7	40	2600
----	WILLIAMS 82	42.5	92	10- 9	2.0	42	2800
AVERAGE ALL ENTRIES		47.4		10- 4	1.7	38.8	2818
DIF. REQ. FOR SIG.	5%	3.2		3.1	0.6	2.0	270
	25%	1.8		1.7	0.3	1.1	145
5-YEAR AVERAGE							
YOUNKERMANN	COUGAR	52.2	113	10- 2	2.0	39	2740
MCCURDY/RIVERSID	375B	50.4	109	10- 3	2.1	38	2980
----	WILLIAMS 82	44.4	96	10-10	2.1	42	2720
AVERAGE ALL ENTRIES		49.0		10- 5	2.1	39.7	2813
DIF. REQ. FOR SIG.	5%	3.1		2.4	NS	2.5	NS
	25%	1.7		1.3	NS	1.4	114

% yield based on average of Century > Fremont (1986); Mead > Hack (1986);
 Woodworth > Pella 86 (1987).
 Seeds pound: No 1987 data.

TABLE 17. MEAD ELITE SOYBEAN PERFORMANCE. NONIRRIGATED. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
----	BSR 101	47.3	99	9-17	1.4	36
----	HARDIN	42.4	89	9-18	1.6	40
STINE	2510	46.7	98	9-19	1.5	36
JACQUES	J-231	48.9	102	9-20	1.4	38
----	PLATTE	44.2	92	9-21	1.3	39
PROFISEED	PS 1152	52.1	109	9-22	1.4	35
SOI	226	50.0	104	9-22	1.5	37
----	CENTURY 84	47.1	98	9-23	1.0	35
----	HACK	48.4	101	9-23	1.1	35
----	HOYT	46.4	97	9-23	1.0	26
LATHAM	650	50.7	106	9-24	1.5	36
----	ELGIN 87	48.1	100	9-25	1.4	36
----	FREMONT	43.3	90	9-25	1.1	40
ASGROW	A2943	49.1	103	9-25	1.0	38
LINCOLN SEED	LS 7221	47.8	100	9-25	1.4	35
TERRA	DECATHALON	52.0	109	9-25	1.6	36
YOUNKERMANN	CAPRICE	46.3	97	9-25	1.3	40
----	LOGAN	46.1	96	9-26	1.9	45
----	PELLA 86	47.1	98	9-26	1.1	37
DEKALB-PFIZER	CX283	50.0	104	9-26	1.6	39
HOEGEMEYER	205	52.4	109	9-26	1.4	38
S BRAND	S-48C	49.1	103	9-26	1.3	39
STRAYER	3134	50.3	105	9-26	1.5	37
----	ZANE	43.1	90	9-27	1.1	40
GOLDEN HARVEST	H-1285	51.7	108	9-27	1.6	38
HILL SEED	HS2700	50.4	105	9-27	1.8	37
HOEGEMEYER	384	44.5	93	9-27	1.5	44
MERSHMAN	TRUMAN II	49.4	103	9-27	1.6	40
TERRA	SPRINT	53.7	112	9-27	1.6	39
TRI VALLEY	CHARGER 85	50.2	105	9-27	1.5	43
YOUNKERMANN	CAMARO	48.2	101	9-27	1.1	40
HORIZON	H-52	43.5	91	9-28	1.3	43
MIDWEST OILSEEDS	3500	47.2	99	9-28	1.1	39
----	HARPER 87	45.7	95	9-30	1.0	39
----	CHAMBERLAIN	48.5	101	9-30	1.1	42
WILSON BLEND	3560	49.1	103	9-30	1.4	44
TRI VALLEY	CHARGER	50.7	106	10- 3	1.3	42
----	HOBBIT 87	57.7	121	10- 4	1.0	26
----	WILLIAMS 82	41.5	87	10- 4	1.5	43
----	RIPLEY	45.2	94	10- 4	1.0	32
AVERAGE ALL ENTRIES		48.2		9-26	1.3	38.1
DIF. REQ. FOR SIG.	5%	4.6		1.1	0.3	2.6
	25%	2.7		0.6	0.2	1.5

Yield in bushels per acre and % of Elgin 87, Hack and Pella 86.

TABLE 18. MEAD ELITE SOYBEAN PERFORMANCE. NONIRRIGATED. 1986-1987.

BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
2-YEAR AVERAGE							
----	BSR 101	50.3	102	9-15	1.2	38	2440
PROFISEED	PS 1152	53.2	108	9-21	1.9	37	2580
SOI	226	52.2	106	9-21	1.8	37	2550
----	CENTURY 84	50.5	102	9-22	1.0	36	2370
----	HOYT	51.8	105	9-22	1.0	27	3050
----	HACK	52.3	106	9-23	1.1	37	2270
----	ELGIN 87	51.3	104	9-24	1.5	36	2550
ASGROW	A2943	52.8	107	9-24	1.0	39	2940
----	PELLA 86	51.4	104	9-25	1.1	37	2250
----	ZANE	50.6	103	9-25	1.1	40	2160
DEKALB-PFIZER	CX283	51.1	104	9-25	1.7	40	2670
STRAYER	3134	53.5	108	9-26	1.3	40	2620
GOLDEN HARVEST	H-1285	53.3	108	9-27	1.5	40	2650
MERSHMAN	TRUMAN II	51.6	105	9-27	1.3	40	2800
----	CHAMBERLAIN	52.6	107	9-29	1.1	43	2340
----	RIPLEY	48.5	98	10- 2	1.0	30	3290
----	WILLIAMS 82	43.8	89	10- 3	1.4	43	2600
AVERAGE ALL ENTRIES		51.2		9-25	1.3	37.6	2596
DIF. REQ. FOR SIG. 5%		NS		2.0	0.5	3.3	124
25%		2.7		1.1	0.3	1.8	72

% yield based on average of Elgin 87, Hack and Pella 86.
 Seeds pound: No 1987 data.

TABLE 19. MEAD ELITE SOYBEAN PERFORMANCE. IRRIGATED. 1987.

BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES
----	BSR 101	43.9	95	9-14	1.0	38
----	HARDIN	38.8	84	9-15	1.6	38
JACQUES	J-231	44.4	96	9-15	1.0	34
STINE	2510	43.3	94	9-15	1.0	33
----	PLATTE	42.0	91	9-18	1.0	38
----	ELGIN 87	47.2	102	9-19	1.1	35
----	CENTURY 84	43.5	94	9-19	1.0	35
PROFISEED	PS 1152	45.8	99	9-19	1.0	33
SOI	226	46.8	101	9-19	1.1	32
LATHAM	650	50.3	109	9-20	1.4	36
----	HACK	44.7	97	9-21	1.0	35
LINCOLN SEED	LS 7221	46.7	101	9-21	1.3	36
TERRA	DECATHALON	48.4	105	9-21	1.3	35
----	HOYT	47.0	102	9-22	1.0	24
----	FREMONT	44.1	95	9-23	1.3	39
----	PELLA 86	46.8	101	9-23	1.1	37
YOUNKERMEN	CAPRICE	47.7	103	9-23	1.1	41
----	LOGAN	42.2	91	9-24	1.4	46
DEKALB-PFIZER	CX283	51.9	112	9-24	1.5	39
HILL SEED	HS2700	50.7	110	9-24	1.4	38
HOEGEMEYER	205	54.5	118	9-24	1.5	37
STRAYER	3134	49.4	107	9-24	1.3	37
----	ZANE	49.5	107	9-25	1.1	40
ASGROW	A2943	49.4	107	9-25	1.1	37
GOLDEN HARVEST	H-1285	55.3	120	9-25	1.5	38
S BRAND	S-48C	48.9	106	9-25	1.0	40
TERRA	SPRINT	48.7	105	9-25	1.5	36
HOEGEMEYER	384	44.5	96	9-26	1.5	44
MERSHMAN	TRUMAN II	48.0	104	9-26	1.4	41
MIDWEST OILSEEDS	3500	47.9	104	9-26	1.0	40
TRI VALLEY	CHARGER 85	45.0	97	9-26	1.5	42
YOUNKERMEN	CAMARO	47.5	103	9-26	1.3	40
----	CHAMBERLAIN	47.1	102	9-27	1.3	43
HORIZON	H-52	45.0	97	9-27	1.4	44
----	HARPER 87	48.6	105	9-28	1.0	39
WILSON BLEND	3560	43.5	94	9-30	1.4	42
----	HOBBIT 87	54.9	119	10- 2	1.0	24
TRI VALLEY	CHARGER	50.5	109	10- 2	1.1	42
----	WILLIAMS 82	44.5	96	10- 3	1.5	45
----	RIPLEY	48.7	105	10- 4	1.0	29
AVERAGE ALL ENTRIES		47.2		9-24	1.2	37.6
DIF. REQ. FOR SIG.	5%	3.6		1.4	0.3	2.7
	25%	2.1		0.8	0.2	1.6

Yield in bushels per acre and % of Elgin 87, Hack and Pella 86.

TABLE 20. MEAD ELITE SOYBEAN PERFORMANCE. IRRIGATED. 1986-1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
		BU/A	%				
2-YEAR AVERAGE							
----	BSR 101	46.2	93	9-15	1.0	37	2330
----	CENTURY 84	48.4	98	9-21	1.0	37	2390
----	ELGIN 87	49.8	100	9-22	1.6	34	2490
PROFISEED	PS 1152	49.6	100	9-22	1.4	34	2600
SOI	226	48.4	98	9-22	1.6	34	2560
----	HACK	49.1	99	9-23	1.0	36	2460
----	HOYT	53.8	109	9-23	1.0	25	2880
----	PELLA 86	51.4	104	9-25	1.1	38	2160
ASGROW	A2943	54.6	110	9-26	1.1	36	2710
DEKALB-PFIZER	CX283	50.1	101	9-26	1.8	39	2620
----	ZANE	51.7	104	9-27	1.1	39	2010
GOLDEN HARVEST	H-1285	52.9	107	9-27	1.7	38	2520
STRAYER	3134	48.1	97	9-27	1.6	38	2500
MERSHMAN	TRUMAN II	52.1	105	9-28	1.3	41	2680
----	CHAMBERLAIN	51.7	104	9-29	1.6	42	2230
----	RIPLEY	52.5	106	10- 6	1.0	29	2960
----	WILLIAMS 82	48.8	98	10- 6	2.0	45	2270
AVERAGE ALL ENTRIES		50.5		9-26	1.3	36.6	2492
DIF. REQ. FOR SIG. 5%		NS		2.4	0.6	2.7	133
25%		NS		1.4	0.4	1.5	78

% yield based on average of Elgin 87, Hack and Pella 86.

Seeds pound: No 1987 data.

TABLE 21. MEAD PUBLIC VARIETIES NONIRRIGATED. SAUNDERS COUNTY 1987.

VARIETY	YIELD BU/A	MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEED QUALITY	SEED WEIGHT
HARDIN	45.3	9-12	2.3	40	1.8	15.1
BSR 101	47.3	9-18	1.4	39	2.0	17.1
PLATTE	45.8	9-21	1.6	42	2.0	15.0
CENTURY 84	46.7	9-22	1.0	36	2.0	16.9
U84-62077	43.7	9-23	1.1	35	2.3	17.7
U84-64045	43.2	9-24	1.1	39	1.9	18.5
HACK	48.2	9-24	1.1	38	2.0	18.2
HOYT	48.2	9-24	1.0	25	1.0	14.4
U83-75056	43.8	9-24	1.9	41	2.0	16.7
U84-64041	40.1	9-24	1.4	40	1.6	17.8
ELGIN 87	49.5	9-25	1.3	34	1.6	15.6
FREMONT	46.4	9-25	1.0	41	1.8	16.2
PELLA 86	47.5	9-25	1.0	38	2.0	19.2
LOGAN	38.2	9-25	1.9	45	1.5	17.2
U84-65078	47.1	9-26	1.8	41	1.4	14.4
U83-70023	46.0	9-26	1.0	23	1.0	13.8
U84-67078	42.1	9-27	1.4	41	2.0	18.0
U84-70098	39.7	9-27	1.5	42	2.0	17.8
ZANE	47.2	9-27	1.0	40	2.0	19.6
U80-64032	48.0	9-28	1.5	40	2.5	16.5
CHAMBERLAIN	48.4	9-29	1.1	45	1.6	17.7
HARPER 87	47.8	9-30	1.0	39	2.0	19.0
WINCHESTER	42.9	9-30	1.5	43	1.6	17.2
U80-68130	45.2	10-1	1.1	41	1.9	17.5
HOBBIT 87	55.6	10-2	1.0	25	1.0	16.0
WILLIAMS 82	39.6	10-3	1.6	47	1.4	16.5
EXP 87-1	46.3	10-3	1.0	41	1.6	17.0
RIPLEY	46.9	10-4	1.1	32	1.0	14.1
AVERAGE ALL ENTRIES	45.6	9-26	1.3	38.3	1.7	16.8
DIF. REG. FOR SIG. 5%	4.5	1.7	0.3	3.1	0.2	0.8
25%	2.6	1.0	0.2	1.8	0.1	0.5

TABLE 22. MEAD PUBLIC VARIETIES IRRIGATED. SAUNDERS COUNTY 1987.

VARIETY	YIELD BU/A	MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEED QUALITY	SEED WEIGHT
HARDIN	32.8	9-14	1.4	35	2.3	13.7
BSR 101	41.3	9-17	1.0	30	2.0	16.6
PLATTE	40.4	9-21	1.0	32	2.0	14.8
CENTURY 84	37.1	9-22	1.0	31	1.8	17.0
HACK	40.8	9-22	1.0	30	2.8	16.5
ELGIN 87	46.7	9-23	1.0	31	1.4	15.2
U83-75056	36.4	9-23	1.3	33	1.9	16.5
U84-62077	45.1	9-23	1.0	30	2.5	17.3
U84-64045	41.8	9-24	1.0	33	1.8	18.3
U84-64041	42.0	9-24	1.0	34	1.4	18.4
HOYT	35.6	9-24	1.0	22	1.1	13.2
LOGAN	37.5	9-25	1.5	40	1.6	16.1
FREMONT	41.9	9-25	1.0	34	1.6	16.1
U84-65078	48.8	9-26	1.3	35	1.5	15.2
PELLA 86	46.5	9-26	1.0	32	2.0	20.4
U80-64032	44.5	9-27	1.1	31	2.6	17.0
U84-67078	42.0	9-27	1.0	33	2.1	18.5
U84-70098	43.4	9-27	1.0	32	2.0	17.8
ZANE	46.7	9-28	1.0	33	1.9	21.0
U83-70023	39.7	9-28	1.0	20	1.0	13.8
CHAMBERLAIN	46.9	9-30	1.0	36	1.4	18.4
HARPER 87	43.4	10-1	1.0	31	1.9	20.6
WINCHESTER	42.9	10-1	1.1	37	1.8	17.2
U80-68130	45.4	10-2	1.0	36	2.0	18.4
HOBBIT 87	50.2	10-4	1.0	23	1.5	16.3
EXP 87-1	47.6	10-4	1.0	37	1.6	17.5
RIPLEY	45.2	10-5	1.0	28	1.1	13.9
WILLIAMS 82	41.3	10-6	1.1	38	1.6	16.6
AVERAGE ALL ENTRIES	42.6	9-26	1.1	32.0	1.8	16.9
DIF. REQ. FOR SIG. 5%	4.9	1.1	0.2	2.4	0.4	0.8
25%	2.8	0.6	0.1	1.4	0.2	0.5

TABLE 23. LINCOLN PUBLIC VARIETIES NONIRRIGATED. LANCASTER COUNTY. 1987.

VARIETY	YIELD BU/A	MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEED QUALITY	SEED WEIGHT
BSR 101	54.7	9-24	2.9	41	2.1	18.7
HARDIN	52.4	9-27	3.8	45	1.5	16.6
CENTURY 84	51.3	9-27	1.6	38	2.0	18.6
ELGIN 87	51.7	9-28	3.9	39	1.9	17.4
HACK	59.7	9-28	2.3	41	2.0	19.1
U84-62077	56.8	9-29	3.4	41	2.5	19.9
PLATTE	49.7	9-29	2.5	42	2.1	16.5
HOYT	58.7	9-29	1.5	27	1.3	17.1
U83-75056	48.0	9-29	3.5	39	2.3	18.6
U84-64041	48.4	9-29	2.5	44	1.8	20.9
U84-64045	52.1	9-30	2.3	41	2.0	21.7
FREMONT	52.3	10-1	3.3	44	2.1	18.5
LOGAN	55.0	10-1	3.0	52	2.0	20.4
U84-67078	56.0	10-2	2.9	44	2.1	20.6
U84-70098	51.7	10-2	2.4	44	2.1	20.1
U84-65078	54.1	10-3	3.4	45	2.0	17.2
PELLA 86	53.1	10-3	1.8	41	2.0	20.9
ZANE	53.6	10-5	2.5	44	2.0	20.9
U83-70023	61.6	10-5	1.3	29	1.0	17.5
U80-64032	54.2	10-7	3.4	44	2.5	19.2
CHAMBERLAIN	58.9	10-8	3.6	53	2.0	19.9
HARPER 87	57.6	10-8	2.5	44	2.3	22.5
HOBBIT 87	62.4	10-8	1.6	29	1.1	19.2
U80-68130	50.4	10-9	2.4	47	2.0	20.1
WINCHESTER	50.9	10-10	2.6	45	2.0	21.1
RIPLEY	57.0	10-11	1.6	31	1.5	15.6
WILLIAMS 82	50.1	10-13	2.6	47	2.1	19.6
EXP 87-1	45.6	10-13	2.5	47	2.4	19.9
AVERAGE ALL ENTRIES	53.9	10-3	2.6	41.7	2.0	19.2
DIF. REG. FOR SIG. 5%	5.7	2.0	2.0	0.6	3.6	0.3
25%	3.3	1.1	1.1	0.3	2.1	0.2

TABLE 24. SOUTHEAST SOYBEAN PERFORMANCE. NEMAH COUNTY. EARLY. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
MCCURDY/RIVERSID	303C	30.7	73	9- 4	1.3	32
----	HACK	39.9	95	9- 6	1.0	30
----	PLATTE	34.7	82	9- 6	1.0	32
----	CENTURY 84	39.6	94	9- 9	1.3	33
SANSGAARD SEED	ZEPHYR	42.0	100	9-11	1.8	31
----	FREMONT	38.1	90	9-12	1.3	33
COKER	EX723	45.0	107	9-13	1.5	35
HILL SEED	EX297	45.1	107	9-13	1.8	35
HOEGEMEYER	327	43.7	104	9-13	1.8	35
LYNKS SEEDS	LX8280	36.9	88	9-13	1.0	31
STINE	3700	48.8	116	9-13	1.8	36
STINE	3805	44.0	105	9-13	1.8	32
TRI VALLEY	CORVETTE	45.2	107	9-13	1.8	36
TRI VALLEY	TV 26	41.3	98	9-13	1.3	35
MCCURDY/RIVERSID	3033	31.4	75	9-14	1.3	29
S BRAND	S-49C	43.2	103	9-14	1.5	34
----	PELLA 86	44.2	105	9-15	1.0	33
YOUNKERMANN	CAPRICE	39.6	94	9-15	1.5	34
----	U80-64032	43.5	103	9-16	1.5	34
HORIZON	H-52	43.0	102	9-16	2.0	36
MC CUBBIN	TROY	38.8	92	9-16	1.5	35
WILSON BLEND	3182	41.8	99	9-16	1.8	35
YOUNKERMANN	YSC 28	42.0	100	9-16	2.3	37
DIAMOND BRAND	D245	40.4	96	9-17	2.3	37
DIAMOND BRAND	D280B	42.8	102	9-17	1.3	33
----	LOGAN	29.3	70	9-18	2.0	32
AGRIGENE	AG133	35.9	85	9-18	1.3	32
CUSTOM FARM SEED	CFS 310	38.9	92	9-18	1.5	34
HORIZON	H-32	44.9	107	9-18	2.3	35
TERRA	ADVANCE	39.7	94	9-18	1.8	35
----	Farmer Entry	44.5	106	9-20	1.5	35
----	ZANE	42.9	102	9-20	1.0	33
FONTANELLE	F-5708	48.0	114	9-20	1.8	35
GOLDEN HARVEST	H-1306	44.2	105	9-20	1.5	35
HOEGEMEYER	375	47.9	114	9-20	1.8	36
HOFLER	CRYSTAL	46.0	109	9-20	1.8	34
LEWIS	300	43.9	104	9-20	1.8	34
LYNKS SEEDS	LX8307	40.2	95	9-20	1.5	33
S BRAND	S-53A	47.6	113	9-20	1.8	36
WILSON BLEND	3230	42.9	102	9-20	1.8	32
----	CHAMBERLAIN	46.3	110	9-21	1.8	38
AGRIPRO	AP 3773	46.9	111	9-21	2.0	34
DESOY	933+	47.8	114	9-21	2.3	38
KRUGER	K-EXP 382	47.0	112	9-21	2.0	34
KRUGER	KB-EXP 370+	46.0	109	9-21	2.0	37
SOI	379	39.9	95	9-21	1.5	35
CUSTOM FARM SEED	CFS 320	47.9	114	9-22	1.5	33
GOLDEN HARVEST	X391	46.0	109	9-22	1.8	37
SOI	359	41.7	99	9-22	1.8	37
----	HARPER 87	47.1	112	9-23	1.5	32
----	HOBBIT 87	48.4	115	9-23	1.0	23
ASGROW	A3205	49.6	118	9-23	2.0	33
FONTANELLE	EXP 5003	37.9	90	9-23	1.5	28
HILL SEED	HS3400	43.2	103	9-23	2.3	36
KAUP SEED	EXP 86-9	43.3	103	9-23	1.8	37
MERSHMAN	TRUMAN II	47.6	113	9-23	2.0	35
----	U80-68130	46.7	111	9-24	1.5	33
HOFLER	CORAL	42.5	101	9-24	2.5	38
LEWIS	334	47.5	113	9-24	1.3	32
MC CUBBIN	EX 37998	48.5	115	9-24	2.0	37
NORTHROP KING	S 33-45	41.5	99	9-24	2.0	38
OHLDE	3257	45.0	107	9-24	1.5	35
TERRA	TRIUMPH	44.4	105	9-24	2.0	38
----	WINCHESTER	46.5	110	9-25	2.0	39
ASGROW	A3427	52.2	124	9-25	1.8	34
MERSHMAN	KENNEDY II	44.6	106	9-25	1.0	34
----	WILLIAMS 82	44.0	105	9-26	2.0	38
AGRIPRO	AP 3977	46.5	110	9-26	1.8	36
SRF	EXP 11017	47.0	112	9-26	1.5	30
AGRIGENE	AG137	42.7	101	9-27	1.5	34
AVERAGE ALL ENTRIES		43.3		9-19	1.7	34.2
DIF. REQ. FOR SIG.	5%	5.7		2.4	0.6	3.2
	25%	3.4		1.4	0.4	1.9

Yield in bushels per acre and % of Fremont, Pella 86 and Williams 82.

TABLE 25. SOUTHEAST SOYBEAN PERFORMANCE. EARLY. 1986-1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
		BU/A	%				
2-YEAR AVERAGE							
----	PLATTE	40.0	93	9-10	1.9	38	3070
----	HACK	48.9	97	9-11	1.3	34	2700
----	CENTURY 84	48.8	97	9-12	1.4	35	2740
----	FREMONT	47.3	94	9-14	1.9	38	2860
LYNKS SEEDS	LX8280	43.3	86	9-16	1.9	36	3060
STINE	3700	55.5	110	9-16	2.7	39	2800
DIAMOND BRAND	D245	40.3	80	9-18	2.9	39	3050
WILSON BLEND	3182	51.6	103	9-18	2.3	38	2520
----	LUGAN	42.3	84	9-19	2.9	39	2670
----	U80-64032	52.4	104	9-19	2.3	37	2710
DIAMOND BRAND	D2808	48.1	96	9-19	1.7	36	2840
HORIZON	H-52	53.1	106	9-19	3.0	40	2740
YOUNKERMEN	CAPRICE	48.3	96	9-19	2.2	38	2540
----	ZANE	51.8	103	9-20	1.8	36	2370
MC CUBBIN	TROY	50.0	100	9-20	1.9	39	2350
TERRA	ADVANCE	45.3	90	9-20	2.4	38	2570
LEWIS	300	49.0	98	9-21	2.6	37	2600
LYNKS SEEDS	LX8307	46.9	93	9-21	2.0	38	2540
----	CHAMBERLAIN	59.0	119	9-22	2.2	42	2420
----	FARMER ENTRY	53.7	107	9-22	1.4	36	3020
S BRAND	S-53A	56.4	112	9-22	2.2	39	2820
WILSON BLEND	3230	53.4	106	9-22	2.3	37	2730
FONTANELLE	F-5708	55.7	111	9-23	2.3	39	2720
HOFLER	CRYSTAL	52.8	105	9-23	2.3	38	2810
AGRIPRO	AP 3773	52.6	105	9-24	2.3	39	2470
CUSTOM FARM SEED	CFS 320	52.9	105	9-24	2.3	38	2810
SOI	359	47.7	95	9-24	2.4	41	2460
AS GROW	A3427	55.9	111	9-25	1.8	37	2760
HILL SEED	HS3400	52.4	104	9-25	3.2	40	2710
HOFLER	CORAL	49.4	98	9-25	3.0	41	2710
MERSHMAN	KENNEDY II	54.0	107	9-25	1.3	37	2660
----	U80-68130	54.6	109	9-26	2.0	38	2600
MERSHMAN	TRUMAN II	55.6	111	9-26	2.7	39	2820
----	WINCHESTER	53.1	106	9-27	2.3	42	2480
----	WILLIAMS 82	49.6	99	9-28	2.2	43	2660
AVERAGE ALL ENTRIES		50.8		9-21	2.2	38.3	2697
DIF. REQ. FOR SIG. 5%		7.7		3.6	0.8	3.3	142
25%		4.4		2.1	0.5	1.9	84

% yield based on average of Fremont; Pella > Pella 86 (1987); Williams 82.
 Seeds pound: No 1987 data.

TABLE 26. SOUTHEAST SOYBEAN PERFORMANCE. EARLY. 1983-1987.

BRAND	ENTRY	YIELD		MATURE	LODGING	HEIGHT	SEEDS
		BU/A	%	DATE	SCORE	INCHES	POUND
3-YEAR AVERAGE							
----	PLATTE	48.8	96	9-13	1.9	39	2920
----	CENTURY 84	48.8	96	9-14	1.4	36	2560
----	FREMONT	48.9	96	9-16	1.7	38	2670
LYNKS SEEDS	LX8280	47.0	92	9-17	2.2	36	2910
----	ZANE	51.3	101	9-20	1.5	37	2330
YOUNKERMEN	CAPRICE	51.6	102	9-20	2.1	37	2380
----	LOGAN	46.5	91	9-21	2.6	41	2510
HORIZON	H-52	53.0	104	9-21	3.1	41	2680
LEWIS	300	52.2	103	9-21	2.2	37	2390
LYNKS SEEDS	LX8307	50.8	100	9-21	1.8	38	2350
MC CUBBIN	TROY	51.8	102	9-22	1.8	39	2370
S BRAND	S-53A	57.7	114	9-23	2.1	38	2680
HOFER	CRYSTAL	52.4	103	9-24	2.5	39	2760
WILSON BLEND	3230	53.4	105	9-24	2.2	38	2750
ASGROW	A3427	55.2	109	9-26	1.8	38	2780
SOI	359	49.5	97	9-26	2.5	41	2340
----	WINCHESTER	51.5	101	9-28	2.0	42	2420
----	WILLIAMS 82	48.4	95	9-29	2.0	44	2630
AVERAGE ALL ENTRIES		51.0		9-21	2.1	38.8	2579
DIF. REQ. FOR SIG. 5%		NS		3.2	0.7	2.7	235
25%		3.9		1.8	0.4	1.6	133
4-YEAR AVERAGE							
----	PLATTE	46.8	96	9-14	1.8	39	2940
----	CENTURY 34	45.7	94	9-15	1.3	35	2620
----	FREMONT	46.7	96	9-17	1.7	38	2790
YOUNKERMEN	CAPRICE	50.0	103	9-20	2.2	39	2480
----	ZANE	49.5	102	9-21	1.5	38	2380
----	LOGAN	45.4	93	9-22	2.7	42	2560
HORIZON	H-52	50.6	104	9-22	3.0	42	2840
MC CUBBIN	TROY	48.8	100	9-23	1.7	39	2500
----	WILLIAMS 82	46.2	95	9-29	2.0	43	2730
----	WINCHESTER	48.5	100	9-29	1.8	41	2520
AVERAGE ALL ENTRIES		47.8		9-21	2.0	39.6	2636
DIF. REQ. FOR SIG. 5%		NS		2.6	0.5	3.0	179
25%		NS		1.5	0.3	1.8	101
5-YEAR AVERAGE							
----	PLATTE	44.3	97	9-13	1.7	37	3090
----	LOGAN	43.9	97	9-21	2.4	41	2650
----	WINCHESTER	45.0	99	9-27	1.7	39	2620
----	WILLIAMS 82	44.2	97	9-28	1.9	41	2850
AVERAGE ALL ENTRIES		44.4		9-22	1.9	39.5	2802
DIF. REQ. FOR SIG. 5%		NS		2.2	0.6	NS	138
25%		NS		1.2	0.3	1.9	75

% yield based on average of Pella > Pella 86 (1987); Williams 82; Woodworth > Mead (1984) > Fremont (1986).
 Seeds pound: No 1987 data.

TABLE 27. SOUTHEAST SOYBEAN PERFORMANCE. NEMAHA COUNTY. LATE. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
SOI	EXP 27297	40.5	105	9-10	1.3	35
----	FREMONT	34.9	90	9-12	1.0	35
----	PELLA 86	39.8	103	9-13	1.0	32
YOUNKERMANN	OMNI	42.2	109	9-13	1.5	35
STINE	3810	46.1	119	9-14	1.8	36
TRI VALLEY	CHARGER 85	40.4	104	9-16	2.3	37
AGRIPRO	EX 3878	42.7	110	9-18	2.3	40
DESOY	919+	44.5	115	9-19	2.0	38
DIAMOND BRAND	D315	42.4	109	9-20	2.3	37
HOEGEMEYER	389	40.4	104	9-20	1.5	36
OHLDE	3431	47.4	122	9-20	1.0	32
MCCURDY/RIVERSID	375B	40.7	105	9-21	1.8	35
MIDWEST OILSEEDS	EX 3940	45.0	116	9-21	1.0	32
MIDWEST OILSEEDS	EX 3950	48.1	124	9-21	1.5	32
PRAIRIE BRAND	PB-380	38.0	98	9-21	1.0	34
SILER	SS-335	42.6	110	9-21	1.3	38
KAUP SEED	KS 3790	43.6	113	9-22	2.3	38
MC CUBBIN	WINDSOR	38.8	100	9-22	2.5	39
MCCURDY/RIVERSID	3605	43.5	112	9-22	2.3	38
TERRA	EXP 375	38.7	100	9-22	1.8	32
DIAMOND BRAND	D320B	45.3	117	9-23	1.8	34
HOEGEMEYER	394	42.1	109	9-23	2.5	40
KRUGER	K377A	46.2	119	9-23	2.0	40
NORTHROP KING	S 42-30	41.5	107	9-23	1.0	32
S BRAND	S-62	39.0	101	9-23	1.8	36
SILER	SS-325	40.7	105	9-23	2.3	38
WILSON BLEND	3560	43.6	113	9-23	2.3	37
YOUNKERMANN	CHAMP	40.8	105	9-23	1.8	35
LYNKS SEEDS	LX8393	41.3	107	9-24	2.8	37
NORTHROP KING	S 39-99	45.6	118	9-24	1.5	35
SOI	EXP 23797	44.6	115	9-24	1.5	37
----	WINCHESTER	41.3	107	9-25	1.8	37
DIAMOND BRAND	D301	43.7	113	9-25	2.0	39
DIAMOND BRAND	D305	45.5	117	9-25	1.8	37
LEWIS	367	47.0	121	9-25	2.0	41
MERSHMAN	WASHINGTON VI	46.4	120	9-25	1.8	38
TRI VALLEY	CATALINA	47.8	123	9-25	2.0	38
ASGROW	A3733	45.9	119	9-26	1.8	33
ASGROW	A3803	47.6	123	9-26	1.0	34
COKER	393	42.5	110	9-26	1.8	39
S BRAND	S-67	46.0	119	9-26	2.0	37
SRF	EXP 13687	41.4	107	9-26	2.5	40
STINE	3790	45.3	117	9-26	2.0	38
----	RIPLEY	43.1	111	9-27	1.0	25
----	WILLIAMS 82	41.5	107	9-27	2.0	41
KRUGER	K377B	46.4	120	9-27	2.0	36
MC CUBBIN	EX 47702	42.1	109	9-27	2.0	41
HOFLE	QUARTZ	39.7	102	9-29	2.0	40
AGRIPRO	AP 4321	44.1	114	10- 1	2.3	36
HOFLE	JASPER	40.8	105	10- 1	2.8	44
GOLDEN HARVEST	X430	40.1	104	10- 2	2.5	40
OHLDE	4122	40.0	103	10- 3	2.3	41
TERRA	EXP 450	43.8	113	10- 3	2.8	41
AVERAGE ALL ENTRIES		42.9		9-23	1.9	36.8
DIF. REQ. FOR SIG. 5%		4.9		2.0	0.6	2.7
25%		2.9		1.2	0.4	1.6

Yield in bushels per acre and % of Fremont, Pella 86 and Williams 82.

TABLE 28. SOUTHEAST SOYBEAN PERFORMANCE. LATE. 1983-1987.

BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
2-YEAR AVERAGE							
----	FREMONT	45.7	89	9-15	1.9	40	2930
TRI VALLEY	CHARGER 85	50.6	98	9-21	3.1	40	2700
DIAMOND BRAND	D315	53.5	104	9-23	2.8	42	2540
MERSHMAN	WASHINGTON VI	54.6	106	9-23	2.6	38	2870
OHLDE	3431	55.9	108	9-24	1.4	36	2410
S BRAND	S-62	51.7	100	9-24	1.9	39	2720
SILER	SS-335	53.0	103	9-24	1.7	42	2610
DIAMOND BRAND	D3208	51.9	101	9-25	1.8	37	2270
LYNKS SEEDS	LX8393	51.0	99	9-25	3.3	40	2790
WILSON BLEND	3560	54.1	105	9-25	2.9	40	2740
YOUNKERMEN	CHAMP	51.9	101	9-25	1.9	39	2580
NORTHROP KING	S 42-30	55.1	107	9-26	1.3	37	2740
-----	WINCHESTER	51.3	100	9-27	2.3	40	2510
NORTHROP KING	S 39-99	52.6	102	9-27	1.9	39	2950
S BRAND	S-67	56.2	109	9-28	2.3	42	2630
-----	RIPLEY	50.5	98	9-29	1.2	28	3310
-----	WILLIAMS 82	51.1	99	9-29	2.5	46	2610
ASGROW	A3803	56.7	110	9-29	1.4	37	2380
ASGROW	A3733	55.1	107	9-30	1.8	38	2550
HOFLER	QUARTZ	47.4	92	10- 1	2.7	44	2570
STINE	3790	56.0	109	10- 2	2.3	41	2640
HOFLER	JASPER	54.4	106	10- 3	3.2	50	2520
TERRA	EXP 450	54.3	105	10- 5	3.1	48	2610
AVERAGE ALL ENTRIES		52.8		9-27	2.2	40.1	2660
DIF. REQ. FOR SIG.	5%	5.5		4.6	0.7	4.0	135
	25%	3.1		2.6	0.4	2.3	79
3-YEAR AVERAGE							
TRI VALLEY	CHARGER 85	52.6	102	9-22	3.3	41	2620
LYNKS SEEDS	LX8393	51.1	99	9-26	3.4	41	2770
WILSON BLEND	3560	54.4	106	9-27	2.9	41	2670
-----	WINCHESTER	50.7	99	9-28	2.2	41	2440
NORTHROP KING	S 42-30	54.6	106	9-28	1.2	37	2760
ASGROW	A3803	56.4	110	9-30	1.4	36	2380
-----	WILLIAMS 82	49.9	97	10- 1	2.3	46	2610
STINE	3790	55.8	109	10- 2	2.3	42	2650
HOFLER	QUARTZ	47.1	92	10- 3	2.6	44	2540
AVERAGE ALL ENTRIES		52.5		9-29	2.4	41.0	2604
DIF. REQ. FOR SIG.	5%	3.8		3.3	0.5	2.2	118
	25%	2.1		1.9	0.3	1.2	64
4-YEAR AVERAGE							
TRI VALLEY	CHARGER 85	50.3	103	9-23	3.1	41	2700
LYNKS SEEDS	LX8393	49.3	101	9-27	3.0	41	2850
WILSON BLEND	3560	51.9	106	9-28	2.7	41	2770
-----	WINCHESTER	47.8	98	9-29	2.0	41	2530
-----	WILLIAMS 82	47.6	97	10- 1	2.2	44	2660
AVERAGE ALL ENTRIES		49.4		9-28	2.6	41.6	2702
DIF. REQ. FOR SIG.	5%	2.9		2.5	0.5	NS	82
	25%	1.6		1.4	0.3	1.7	44
5-YEAR AVERAGE							
-----	WINCHESTER	44.8	98	9-27	1.8	38	2610
-----	WILLIAMS 82	44.7	98	9-29	1.9	42	2750
AVERAGE ALL ENTRIES		44.8		9-28	1.9	40.0	2680
DIF. REQ. FOR SIG.	5%	NS		1.8	NS	NS	112
	25%	NS		0.9	NS	2.0	50

% yield based on average of Pella > Pella 86 (1987); Williams 82; Woodworth > Mead (1984) > Fremont (1986).
 Seeds pound: No 1987 data.

TABLE 29. SOUTH CENTRAL IRRIGATED. CLAY AND HAMILTON CO. EARLY. 1987.

BRAND	ENTRY	YIELD		MATUR DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
----	WEBER 84	44.0	94	9- 6	2.3	35
SOI	EXP 266A	50.8	108	9- 7	1.7	38
LYNKS SEEDS	LX8252	51.0	109	9- 8	1.3	35
----	HACK	48.1	103	9- 9	1.4	36
----	PLATTE	43.7	93	9- 9	1.7	38
AGRIGENE	AG127	43.4	93	9- 9	1.6	39
HILL SEED	HS2400	43.7	93	9- 9	1.6	39
TERRA	EXP 260	51.7	110	9- 9	1.8	37
AGRIGENE	AG126	45.0	96	9-10	1.4	36
ARROW SEED	AS2610	47.4	101	9-10	1.6	36
ARROW SEED	AS2645	39.5	84	9-10	1.7	39
ARROW SEED	AS2675	51.7	110	9-10	1.6	35
HORIZON	H-28	51.4	110	9-10	1.8	37
OHLDE	2190	50.8	108	9-10	1.4	37
AGRIPRO	AP 3023	40.2	86	9-11	1.8	37
STINE	2750	47.6	101	9-11	1.1	35
HILL SEED	EX267	54.5	116	9-12	1.7	39
S BRAND	S-46G	50.1	107	9-12	1.5	38
----	U83-75056	45.7	97	9-13	1.7	37
GOLDEN HARVEST	X277	48.9	104	9-13	1.5	38
HOFLER	RUBY	43.5	93	9-13	1.3	39
NORTHRUP KING	S 27-10	46.8	100	9-13	1.4	33
STINE	2770	53.2	113	9-13	1.7	37
WILSON BLEND	2505R	52.5	112	9-13	1.7	36
HORIZON	H-21	50.2	107	9-14	1.5	37
LYNKS SEEDS	LX8250	42.4	90	9-14	1.5	40
S BRAND	S-46F	52.6	112	9-14	1.8	38
SOI	EXP 268	53.8	115	9-14	1.9	37
----	CENTURY 84	41.8	89	9-15	1.2	38
HOEGEMEYER	281	52.5	112	9-15	1.9	38
NORTHRUP KING	S 29-20	50.0	107	9-15	1.6	42
----	ELGIN 87	47.3	101	9-16	2.0	36
----	FREMONT	43.2	92	9-16	1.4	40
----	LOGAN	43.5	93	9-16	1.9	44
GOLDEN HARVEST	H-1285	53.2	113	9-16	1.7	39
HILL SEED	HS2700	52.9	113	9-16	1.5	38
MERSHMAN	CHEYENNE II	50.2	107	9-16	1.6	38
OHLDE	2193	54.5	116	9-16	1.5	39
TERRA	SPRINT	47.8	102	9-16	1.6	37
TRI VALLEY	TV 25	51.4	110	9-16	1.7	40
YOUNKERMEN	BOBCAT II	49.9	106	9-16	1.6	36
AGRIPRO	AP 3132	51.5	110	9-17	1.7	40
ASGROW	A2943	46.2	99	9-18	1.2	39
HOEGEMEYER	327	52.9	113	9-18	1.5	40
HOFLER	SUNSTONE	54.4	116	9-18	1.9	40
OHLDE	3000	58.8	125	9-18	1.3	40
TRI VALLEY	BRAT II	50.6	108	9-18	1.9	41
TRI VALLEY	BRONCO	51.9	111	9-18	1.7	42
----	PELLA 86	49.4	105	9-19	1.5	39
JACOBSEN	J972	59.0	126	9-19	1.7	38
TERRA	ADVANCE	52.6	112	9-19	1.7	41
YOUNKERMEN	CUTLASS 88	49.0	104	9-19	1.6	41
FONTANELLE	F-5708	49.4	105	9-20	1.7	40
S BRAND	S-53B	51.7	110	9-20	1.9	40
AVERAGE ALL ENTRIES		49.3		9-14	1.6	38.2
DIF. REQ. FOR SIG.	5%	7.6		2.2	NS	3.7
	25%	4.4		1.3	0.3	2.2

Yield in bushels per acre and % of Fremont, Hack and Pella 86.
Maturity data from Clay County.

TABLE 30. SOUTH CENTRAL IRRIGATED. CLAY COUNTY. EARLY. 1987.

BRAND	ENTRY	YIELD		MATURE	LODGING	HEIGHT
		BU/A	%	DATE	SCORE	INCHES
----	WEBER 84	24.3	73	9- 6	2.1	28
SOI	EXP 266A	35.4	107	9- 7	1.5	33
LYNKS SEEDS	LX8252	31.9	96	9- 8	1.0	31
----	HACK	31.1	94	9- 9	1.3	31
----	PLATTE	30.0	91	9- 9	1.1	30
AGRIGENE	AG127	29.5	89	9- 9	1.3	35
HILL SEED	HS2400	29.8	90	9- 9	1.6	33
TERRA	EXP 260	38.6	116	9- 9	1.1	31
AGRIGENE	AG126	28.3	85	9-10	1.3	30
ARROW SEED	AS2610	28.1	85	9-10	1.6	32
ARROW SEED	AS2645	31.5	95	9-10	1.4	34
ARROW SEED	AS2675	35.1	106	9-10	1.3	31
HORIZON	H-28	37.5	113	9-10	1.4	32
OHLDE	2190	37.0	112	9-10	1.3	33
AGRIPRO	AP 3023	24.3	73	9-11	2.1	29
STINE	2750	31.9	96	9-11	1.0	29
HILL SEED	EX267	42.3	128	9-12	1.3	33
S BRAND	S-46G	34.7	105	9-12	1.4	33
----	U83-75056	29.0	88	9-13	1.4	31
GOLDEN HARVEST	X277	35.8	108	9-13	1.4	32
HOFLER	RUBY	28.0	85	9-13	1.3	34
NORTHRUP KING	S 27-10	32.0	97	9-13	1.4	31
STINE	2770	40.8	123	9-13	1.5	32
WILSON BLEND	2505R	33.8	102	9-13	1.5	32
HORIZON	H-21	32.7	99	9-14	1.5	33
LYNKS SEEDS	LX8250	34.1	103	9-14	1.3	34
S BRAND	S-46F	38.2	115	9-14	1.4	31
SOI	EXP 268	40.8	123	9-14	1.5	30
----	CENTURY 84	29.0	88	9-15	1.1	33
HOEGEMEYER	281	38.1	115	9-15	1.5	31
NORTHRUP KING	S 29-20	39.0	118	9-15	1.3	35
----	ELGIN 87	32.3	97	9-16	1.6	32
----	FREMONT	31.9	96	9-16	1.3	33
----	LOGAN	32.2	97	9-16	1.8	35
GOLDEN HARVEST	H-1285	38.0	115	9-16	1.4	33
HILL SEED	HS2700	37.4	113	9-16	1.1	35
MERSHMAN	CHEYENNE II	34.8	105	9-16	1.3	33
OHLDE	2193	39.7	120	9-16	1.4	33
TERRA	SPRINT	27.6	83	9-16	1.5	33
TRI VALLEY	TV 25	40.2	121	9-16	1.4	34
YOUNKERMAN	BOBCAT II	33.2	100	9-16	1.5	32
AGRIPRO	AP 3132	40.2	121	9-17	1.1	36
ASGROW	A2943	34.2	103	9-18	1.0	35
HOEGEMEYER	327	40.4	122	9-18	1.0	35
HOFLER	SUNSTONE	38.8	117	9-18	1.4	34
OHLDE	3000	44.5	134	9-18	1.1	35
TRI VALLEY	BRAT II	35.5	107	9-18	1.4	35
TRI VALLEY	BRONCO	37.4	113	9-18	1.3	35
----	PELLA 86	36.4	110	9-19	1.4	34
JACOBSEN	J972	46.2	139	9-19	1.4	33
TERRA	ADVANCE	38.5	116	9-19	1.3	34
YOUNKERMAN	CUTLASS 88	39.0	118	9-19	1.4	34
FONTANELLE	F-5708	39.3	119	9-20	1.4	35
S BRAND	S-53B	39.8	120	9-20	1.4	34
AVERAGE ALL ENTRIES		35.0		9-14	1.4	32.8
DIF. REQ. FOR SIG. 5%		5.6		2.2	0.4	3.0
25%		3.3		1.3	0.2	1.8

Yield in bushels per acre and % of Fremont, Hack and Pella 86.

TABLE 31. SOUTH CENTRAL IRRIGATED. HAMILTON COUNTY. EARLY. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
----	WEBER 84	63.6	105	9- 6	2.4	41
SOI	EXP 266A	66.1	109	9- 7	1.8	43
LYNKS SEEDS	LX8252	70.0	115	9- 8	1.6	39
----	HACK	65.0	107	9- 9	1.4	40
----	PLATTE	57.4	95	9- 9	2.3	45
AGRIGENE	AG127	57.2	94	9- 9	1.8	43
HILL SEED	HS2400	57.6	95	9- 9	1.6	45
TERRA	EXP 260	64.7	107	9- 9	2.4	42
AGRIGENE	AG126	61.6	102	9-10	1.4	41
ARROW SEED	AS2610	66.7	110	9-10	1.5	39
ARROW SEED	AS2645	47.5	78	9-10	2.0	44
ARROW SEED	AS2675	68.3	113	9-10	1.8	39
HORIZON	H-28	65.2	108	9-10	2.1	41
OHLDE	2190	64.6	107	9-10	1.5	40
AGRIPRO	AP 3023	56.0	92	9-11	1.4	44
STINE	2750	63.3	104	9-11	1.1	40
HILL SEED	EX267	66.7	110	9-12	2.1	45
S BRAND	S-46G	65.5	108	9-12	1.6	42
----	U83-75056	62.4	103	9-13	2.0	43
GOLDEN HARVEST	X277	61.9	102	9-13	1.6	44
HOFLER	RUBY	58.9	97	9-13	1.3	43
NORTHRUP KING	S 27-10	61.5	101	9-13	1.4	35
STINE	2770	65.6	108	9-13	1.9	41
WILSON BLEND	2505R	71.1	117	9-13	1.9	40
HORIZON	H-21	67.6	111	9-14	1.5	41
LYNKS SEEDS	LX8250	50.6	83	9-14	1.6	45
S BRAND	S-46F	66.9	110	9-14	2.1	45
SOI	EXP 268	66.8	110	9-14	2.3	43
----	CENTURY 84	54.6	90	9-15	1.3	43
HOEGEMEYER	281	66.8	110	9-15	2.3	44
NORTHRUP KING	S 29-20	61.0	101	9-15	1.8	48
----	ELGIN 87	62.3	103	9-16	2.3	39
----	FREMONT	54.5	90	9-16	1.4	46
----	LOGAN	54.8	90	9-16	2.0	52
GOLDEN HARVEST	H-1285	68.4	113	9-16	1.9	44
HILL SEED	HS2700	68.3	113	9-16	1.9	41
MERSHMAN	CHEYENNE II	65.6	108	9-16	1.9	42
OHLDE	2193	69.2	114	9-16	1.6	44
TERRA	SPRINT	67.9	112	9-16	1.6	41
TRI VALLEY	TV 25	62.5	103	9-16	1.9	46
YOUNKERMEN	BOBCAT II	66.5	110	9-16	1.6	39
AGRIPRO	AP 3132	62.7	103	9-17	2.3	44
ASGROW	A2943	58.2	96	9-18	1.4	43
HOEGEMEYER	327	65.3	108	9-18	2.0	45
HOFLER	SUNSTONE	70.0	115	9-18	2.3	46
OHLDE	3000	73.0	120	9-18	1.4	44
TRI VALLEY	BRAT II	65.7	108	9-18	2.3	47
TRI VALLEY	BRONCO	66.3	109	9-18	2.0	49
----	PELLA 86	62.4	103	9-19	1.5	43
JACOBSEN	J972	71.8	118	9-19	1.9	43
TERRA	ADVANCE	66.7	110	9-19	2.0	47
YOUNKERMEN	CUTLASS 88	59.0	97	9-19	1.8	47
FONTANELLE	F-5708	59.5	98	9-20	2.0	45
S BRAND	S-53B	63.5	105	9-20	2.3	46
AVERAGE ALL ENTRIES		63.5		9-14	1.8	43.2
DIF. REQ. FOR SIG. 5%		5.5		2.2	0.6	3.1
25%		3.2		1.3	0.3	1.8

Yield in bushels per acre and % of Fremont, Hack and Pella 86.
Maturity data from Clay County.

TABLE 32. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. EARLY. 1986-1987.

BRAND	ENTRY	YIELD		MATURE	LODGING	HEIGHT	SEEDS
		BU/A	%	DATE	SCORE	INCHES	POUND
2-YEAR AVERAGE							
---	WEBER 84	49.5	92	9- 8	2.8	36	3310
SUI	EXP 266A	58.2	108	9-11	1.9	39	2300
---	PLATTE	50.5	94	9-12	1.6	39	2890
HILL SEED	HS2400	52.8	98	9-13	1.8	40	2470
LYNKS SEEDS	LX8252	57.4	107	9-13	1.6	35	2520
---	HACK	56.5	105	9-14	1.2	36	2490
ARROW SEED	AS2610	53.1	99	9-14	1.8	36	2810
ARROW SEED	AS2675	59.1	110	9-14	1.6	35	2420
STINE	2750	55.6	103	9-14	1.3	35	2270
AGRIPRO	AP 3023	51.2	95	9-15	2.1	39	2530
NORTHRUP KING	S 27-10	55.1	102	9-15	1.6	33	2740
SOI	EXP 268	61.3	114	9-16	2.1	38	3150
STINE	2770	59.2	110	9-16	2.0	37	3170
---	CENTURY 84	51.1	95	9-17	1.4	38	2640
HOFLER	RUBY	50.5	94	9-17	1.5	39	2590
TRI VALLEY	BRONCO	57.2	106	9-17	1.7	39	2510
WILSON BLEND	2505R	58.6	109	9-17	1.9	37	2740
---	FREMONT	51.0	95	9-19	1.5	40	2570
---	LOGAN	49.0	91	9-19	2.3	45	2540
HORIZON	H-21	54.6	101	9-19	1.7	37	2920
MERSHMAN	CHEYENNE II	56.9	106	9-19	1.9	38	2870
TRI VALLEY	TV 25	58.9	109	9-19	1.8	40	2640
AGRIPRO	AP 3132	58.4	108	9-20	1.7	40	2440
HILL SEED	HS2700	57.3	106	9-20	1.8	38	2830
OHLDE	2193	57.2	106	9-20	1.7	38	2830
YOUNKERMANN	BOBCAT II	55.3	103	9-20	1.8	37	2830
GOLDEN HARVEST	H-1285	59.6	111	9-21	1.9	39	2820
FONTANELLE	F-5708	55.8	104	9-22	1.7	41	2790
TRI VALLEY	BRAT II	58.7	109	9-22	1.9	42	2340
AVERAGE ALL ENTRIES		55.5		9-17	1.8	38.1	2689
DIF. REQ. FOR SIG. 5%		4.8		3.5	0.4	2.3	157
25%		2.8		2.0	0.2	1.3	93

% yield based on average of Fremont; Hack; Pella > Pella 86 (1987).

Seeds pound: No 1987 data.

TABLE 33. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. EARLY. 1983-1987.

BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
3-YEAR AVERAGE							
----	PLATTE	47.6	95	9-18	1.8	39	2750
----	HACK	54.5	108	9-20	1.3	36	2450
LYNKS SEEDS	LX8252	53.8	107	9-20	2.0	36	2430
NORTHROP KING	S 27-10	52.2	104	9-20	1.7	34	2820
----	CENTURY 84	49.5	98	9-21	1.3	39	2470
AGRIPRO	AP 3023	49.9	99	9-21	2.1	40	2440
TRI VALLEY	BRONCO	54.5	108	9-22	2.0	39	2450
WILSON BLEND	2505R	55.5	110	9-23	2.1	39	2620
----	LOGAN	48.1	96	9-24	2.5	45	2390
MERSHMAN	CHEYENNE II	53.8	107	9-24	2.0	39	2730
OHLDE	2193	53.9	107	9-24	2.0	38	2730
YOUNKERMEN	BOBCAT II	53.2	106	9-24	2.1	37	2710
FONTANELLE	F-5708	51.4	102	9-25	2.0	42	2680
GOLDEN HARVEST	H-1285	56.7	113	9-25	2.2	39	2680
HILL SEED	HS2700	55.4	110	9-25	2.1	36	2680
TRI VALLEY	BRAT II	56.4	112	9-26	2.2	41	2260
AVERAGE ALL ENTRIES		52.9		9-23	2.0	38.8	2581
DIF. REQ. FOR SIG. 5%		4.2		3.4	0.4	2.5	173
25%		2.4		2.0	0.3	1.5	96
4-YEAR AVERAGE							
----	PLATTE	48.5	95	9-18	1.7	37	2720
----	HACK	53.7	105	9-19	1.2	34	2440
----	CENTURY 84	50.1	98	9-21	1.3	36	2480
WILSON BLEND	2505R	54.9	108	9-22	1.9	37	2580
----	LOGAN	48.7	96	9-23	2.4	43	2370
MERSHMAN	CHEYENNE II	54.3	107	9-23	1.9	36	2750
OHLDE	2193	53.7	105	9-23	1.9	36	2730
YOUNKERMEN	BOBCAT II	54.1	106	9-23	1.9	35	2700
GOLDEN HARVEST	H-1285	57.2	112	9-24	2.0	37	2680
FONTANELLE	F-5708	52.2	103	9-25	2.0	39	2700
AVERAGE ALL ENTRIES		52.7		9-22	1.8	37.0	2613
DIF. REQ. FOR SIG. 5%		3.4		2.5	0.4	1.4	82
25%		1.9		1.5	0.2	0.8	46
5-YEAR AVERAGE							
----	PLATTE	48.0	92	9-18	1.7	37	3060
WILSON BLEND	2505R	54.5	104	9-21	2.0	37	2730
OHLDE	2193	53.2	102	9-22	1.8	36	2930
YOUNKERMEN	BOBCAT II	54.0	103	9-22	1.9	35	2920
GOLDEN HARVEST	H-1285	58.3	111	9-23	2.0	37	2860
----	LOGAN	49.9	95	9-24	2.4	44	2570
AVERAGE ALL ENTRIES		53.0		9-22	2.0	37.7	2845
DIF. REQ. FOR SIG. 5%		3.4		2.6	0.3	2.1	274
25%		1.9		1.5	0.2	1.2	157

% yield based on average of Century > Fremont (1986); Mead > Hack (1986);
 Woodward > Pella (1984) > Pella 80 (1987).
 Seeds pound: No 1987 data.

TABLE 34. SOUTH CENTRAL IRRIGATED. CLAY AND HAMILTON CO. LATE. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
----	HACK	51.9	104	9-8	1.4	36
----	HOYT	47.4	95	9-13	1.2	25
LYNKs SEEDS	LX8280	55.7	112	9-15	1.7	37
----	FREMONT	46.8	94	9-16	1.7	41
STINE	3700	53.6	107	9-17	1.3	41
YOUNKERMAn	CAMARO	52.6	105	9-17	1.9	43
HILL SEED	HS2850	51.0	102	9-18	2.0	42
SRF	EXP 363	52.9	106	9-18	1.1	31
YOUNKERMAn	YSC 30	52.8	106	9-18	1.5	43
----	PELLA 86	51.0	102	9-19	1.3	40
----	ZANE	52.2	105	9-19	1.3	41
AGRIGENE	AG133	47.4	95	9-19	1.5	41
GOLDEN HARVEST	H-1306	51.1	102	9-19	1.7	44
HILL SEED	EX297	57.7	116	9-19	1.7	42
HOEGEMEYER	375	51.1	102	9-19	1.9	41
HORIZON	H-52	50.7	102	9-19	1.8	45
MERSHMAN	CHEYENNE III	51.5	103	9-19	1.6	42
SOI	353	51.0	102	9-19	2.1	43
TERRA	EXP 330	53.6	107	9-19	1.7	41
WILSON BLEND	3182	53.9	108	9-19	1.9	43
----	U80-64032	50.8	102	9-20	1.9	37
HORIZON	H-32	51.0	102	9-20	1.8	42
LYNKs SEEDS	LX8307	56.1	112	9-20	2.0	42
MIDWEST OILSEEDS	EX 3950	54.1	108	9-20	1.6	40
OHLDE	3193	54.7	110	9-20	1.7	43
TRI VALLEY	CHARGER	50.3	101	9-20	2.2	42
WILSON BLEND	3130	54.8	110	9-20	1.7	42
----	HARPER 87	53.4	107	9-21	1.5	39
----	HOBBIT 87	58.2	117	9-21	1.0	26
AGRIPro	AP 3773	49.8	100	9-21	1.6	40
JACOBSEN	J973	53.0	106	9-21	1.7	43
MIDWEST OILSEEDS	EX 3940	51.2	103	9-21	1.6	39
TRI VALLEY	CAVALIER	54.7	110	9-21	1.7	43
----	CHAMBERLAIN	53.5	107	9-22	1.8	45
----	U80-68130	53.4	107	9-22	1.7	41
AGRIPro	EX 3626	49.5	99	9-22	1.5	46
ASGROW	A3427	55.7	112	9-22	1.5	40
HILL SEED	HS3400	55.0	110	9-22	1.8	43
HOEGEMEYER	394	53.0	106	9-22	1.8	45
NORTHrup KING	S 33-45	50.8	102	9-22	2.0	44
OHLDE	3257	54.2	109	9-22	1.5	42
OHLDE	3431	57.9	116	9-22	1.4	42
S BRAND	S-62	54.0	108	9-22	1.6	42
TERRA	EXP 375	53.1	106	9-22	1.6	41
----	WILLIAMS 82	45.6	91	9-23	2.1	47
----	WINCHESTER	45.5	91	9-23	1.9	46
AGRIGENE	AG137	50.3	101	9-23	2.2	43
AGRIPro	AP 3977	50.8	102	9-23	1.5	41
S BRAND	S-64B	53.2	107	9-23	1.5	42
S BRAND	S-67	55.8	112	9-23	1.5	42
TRI VALLEY	CATALINA	55.7	112	9-23	1.6	41
ASGROW	A3803	54.7	110	9-24	1.4	37
ASGROW	A3935	58.9	118	9-25	2.0	42
COKER	393	49.3	99	9-25	2.2	47
AVERAGE ALL ENTRIES		52.6		9-20	1.7	41.1
DIF. REQ. FOR SIG. 5%		NS		1.5	0.6	4.5
25%		NS		0.9	0.3	2.6

Yield in bushels per acre and % of Fremont, Hack and Pella 86.
Maturity data from Clay County.

TABLE 35. SOUTH CENTRAL IRRIGATED. CLAY COUNTY. LATE. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
----	HACK	38.4	97	9-8	1.1	30
----	HOYT	27.4	70	9-13	1.4	24
LYNKS SEEDS	LX8280	42.0	107	9-15	1.6	32
----	FREMONT	36.7	93	9-16	1.4	34
STINE	3700	40.0	102	9-17	1.1	34
YOUNKERMANN	CAMARO	41.6	106	9-17	1.4	36
HILL SEED	HS2850	42.7	108	9-18	1.4	34
SRF	EXP 363	37.6	95	9-18	1.1	29
YOUNKERMANN	YSC 30	44.1	112	9-18	1.3	36
----	PELLA 86	43.1	109	9-19	1.0	34
----	ZANE	47.3	120	9-19	1.1	34
AGRIGENE	AG133	41.1	104	9-19	1.5	36
GOLDEN HARVEST	H-1306	42.5	108	9-19	1.3	37
HILL SEED	EX297	44.6	113	9-19	1.5	36
HOEGEMEYER	375	44.9	114	9-19	1.4	35
HORIZON	H-52	39.9	101	9-19	1.6	37
MERSHMAN	CHEYENNE III	39.5	100	9-19	1.4	35
SOI	353	41.1	104	9-19	1.3	35
TERRA	EXP 330	42.3	107	9-19	1.4	34
WILSON BLEND	3182	40.3	102	9-19	1.4	36
----	U80-64032	37.9	96	9-20	1.3	32
HORIZON	H-32	38.5	98	9-20	1.6	35
LYNKS SEEDS	LX8307	40.6	103	9-20	1.5	35
MIDWEST OILSEEDS	EX 3950	45.2	115	9-20	1.3	33
OHLDE	3193	46.3	118	9-20	1.4	35
TRI VALLEY	CHARGER	35.6	90	9-20	1.8	32
WILSON BLEND	3130	48.2	122	9-20	1.5	35
----	HARPER 87	44.0	112	9-21	1.1	33
----	HOBBIT 87	43.4	110	9-21	1.0	24
AGRIPRO	AP 3773	37.7	96	9-21	1.3	34
JACOBSEN	J973	44.3	112	9-21	1.8	36
MIDWEST OILSEEDS	EX 3940	42.4	108	9-21	1.4	34
TRI VALLEY	CAVALIER	45.0	114	9-21	1.4	38
----	CHAMBERLAIN	45.3	115	9-22	1.5	39
----	U80-68130	44.3	112	9-22	1.5	33
AGRIPRO	EX 3626	44.8	114	9-22	1.5	41
ASGROW	A3427	45.8	116	9-22	1.5	36
HILL SEED	HS3400	44.1	112	9-22	1.5	37
HOEGEMEYER	394	46.0	117	9-22	1.5	37
NORTHRUP KING	S 33-45	43.7	111	9-22	1.6	36
OHLDE	3257	48.2	122	9-22	1.3	37
OHLDE	3431	53.0	135	9-22	1.3	36
S BRAND	S-62	45.8	116	9-22	1.3	36
TERRA	EXP 375	45.9	116	9-22	1.3	36
----	WILLIAMS 82	39.9	101	9-23	2.1	40
----	WINCHESTER	40.1	102	9-23	1.8	40
AGRIGENE	AG137	41.2	105	9-23	1.6	39
AGRIPRO	AP 3977	47.2	120	9-23	1.4	37
S BRAND	S-64B	45.2	115	9-23	1.4	37
S BRAND	S-67	48.3	123	9-23	1.5	36
TRI VALLEY	CATALINA	46.0	117	9-23	1.6	36
ASGROW	A3803	46.5	118	9-24	1.4	33
ASGROW	A3935	53.8	137	9-25	1.6	37
COKER	393	48.0	122	9-25	1.8	42
AVERAGE ALL ENTRIES		43.1		9-20	1.4	35.1
DIF. REQ. FOR SIG. 5%		4.6		1.5	0.4	3.1
25%		2.7		0.9	0.2	1.8

Yield in bushels per acre and % of Fremont, Hack and Pella 86.

TABLE 36. SOUTH CENTRAL IRRIGATED. HAMILTON COUNTY. LATE. 1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES
		BU/A	%			
----	HACK	65.3	108	9-8	1.6	41
----	HOYT	67.3	112	9-13	1.0	26
LYNKS SEEDS	LX8280	69.3	115	9-15	1.8	42
----	FREMONT	56.9	94	9-16	2.0	48
STINE	3700	67.1	111	9-17	1.5	48
YOUNKERMEN	CAMARO	63.5	105	9-17	2.3	49
HILL SEED	HS2850	59.2	98	9-18	2.5	50
SRF	EXP 363	68.2	113	9-18	1.0	33
YOUNKERMEN	YSC 30	61.5	102	9-18	1.6	49
----	PELLA 86	58.8	97	9-19	1.6	46
----	ZANE	57.0	94	9-19	1.5	47
AGRIGENE	AG133	53.6	89	9-19	1.5	46
GOLDEN HARVEST	H-1306	59.6	99	9-19	2.0	50
HILL SEED	EX297	70.8	117	9-19	1.9	47
HOEGEMEYER	375	57.2	95	9-19	2.3	46
HORIZON	H-52	61.5	102	9-19	1.9	52
MERSHMAN	CHEYENNE III	63.5	105	9-19	1.8	48
SOI	353	60.8	101	9-19	2.9	50
TERRA	EXP 330	64.9	108	9-19	2.0	47
WILSON BLEND	3182	67.5	112	9-19	2.4	49
----	U80-64032	63.6	105	9-20	2.4	41
HORIZON	H-32	63.5	105	9-20	1.9	48
LYNKS SEEDS	LX8307	71.6	119	9-20	2.4	48
MIDWEST OILSEEDS	EX 3950	62.9	104	9-20	1.8	46
OHLDE	3193	63.0	104	9-20	1.9	50
TRI VALLEY	CHARGER	65.0	108	9-20	2.5	51
WILSON BLEND	3130	61.4	102	9-20	1.9	49
----	HARPER 87	62.8	104	9-21	1.8	44
----	HOBBIT 87	72.9	121	9-21	1.0	27
AGRIPRO	AP 3773	61.9	103	9-21	1.8	45
JACOBSEN	J973	61.7	102	9-21	1.6	49
MIDWEST OILSEEDS	EX 3940	59.9	99	9-21	1.8	43
TRI VALLEY	CAVALIER	64.3	107	9-21	1.9	47
----	CHAMBERLAIN	61.6	102	9-22	2.0	51
----	U80-68130	62.5	104	9-22	1.9	48
AGRIPRO	EX 3626	54.1	90	9-22	1.5	50
ASGROW	A3427	65.6	109	9-22	1.4	43
HILL SEED	HS3400	65.8	109	9-22	2.1	48
HOEGEMEYER	394	60.0	99	9-22	2.1	52
NORTHRUP KING	S 33-45	57.8	96	9-22	2.3	52
OHLDE	3257	60.1	100	9-22	1.6	47
OHLDE	3431	62.7	104	9-22	1.5	47
S BRAND	S-62	62.2	103	9-22	1.8	48
TERRA	EXP 375	60.3	100	9-22	1.8	46
----	WILLIAMS 82	51.2	85	9-23	2.0	53
----	WINCHESTER	50.9	84	9-23	1.9	51
AGRIGENE	AG137	59.3	98	9-23	2.8	47
AGRIPRO	AP 3977	54.3	90	9-23	1.6	45
S BRAND	S-64B	61.2	101	9-23	1.5	46
S BRAND	S-67	63.2	105	9-23	1.5	47
TRI VALLEY	CATALINA	65.3	108	9-23	1.5	46
ASGROW	A3803	62.9	104	9-24	1.3	41
ASGROW	A3935	63.9	106	9-25	2.3	47
COKER	393	50.5	84	9-25	2.5	52
AVERAGE ALL ENTRIES		61.9		9-20	1.9	46.5
DIF. REQ. FOR SIG.	5%	8.0		1.5	0.5	3.1
	25%	2.7		0.9	0.2	1.8

Yield in bushels per acre and % of Fremont, Hack and Pella 86.
Maturity data from Clay County.

TABLE 37. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. LATE. 1986-1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
		BU/A	%				

2-YEAR AVERAGE							
----	HACK	56.8	108	9-14	1.2	35	2470
----	HOYT	52.6	100	9-17	1.3	25	3030
----	FREMONT	52.2	99	9-19	1.6	40	2560
LYNKS SEEDS	LX8230	58.1	110	9-20	2.0	38	2840
SRF	EXP 363	57.0	108	9-20	1.2	32	3270
STINE	3700	58.5	111	9-20	1.6	41	2810
YOUNKERMANN	YSC 30	58.8	111	9-20	1.6	42	2800
----	ZANE	56.8	108	9-21	1.3	41	2270
HORIZON	H-52	56.3	107	9-21	2.1	44	2910
HILL SEED	HS2850	57.1	108	9-22	1.8	42	2390
HUEGEMEYER	375	55.2	104	9-22	1.7	41	2860
WILSON BLEND	3182	58.5	111	9-22	1.8	42	2400
YOUNKERMANN	CAMARO	56.7	107	9-22	1.7	43	2480
OHLOE	3193	55.6	105	9-23	1.7	43	2980
SUI	353	56.1	106	9-23	1.8	42	2430
WILSON BLEND	3130	56.7	107	9-23	1.8	42	2790
AGRIPRO	AP 3773	52.8	100	9-24	1.6	40	2440
LYNKS SEEDS	LX8307	57.2	108	9-24	1.8	43	2470
TRI VALLEY	CAVALIER	58.5	111	9-24	1.7	42	2430
TRI VALLEY	CHARGER	56.2	106	9-24	2.0	42	2710
----	CHAMBERLAIN	58.2	110	9-25	1.9	45	2400
----	U80-64032	57.3	108	9-25	1.8	37	2570
ASGROW	A3427	57.7	109	9-25	1.4	39	2900
----	WINCHESTER	49.9	94	9-26	1.8	44	2500
HILL SEED	HS3400	57.8	109	9-26	2.1	43	2880
----	U80-68130	57.3	108	9-27	1.6	41	2530
----	WILLIAMS 82	48.2	91	9-27	1.9	47	2700
ASGROW	A3803	57.1	108	9-29	1.2	38	2480
AVERAGE ALL ENTRIES		56.1		9-23	1.7	40.5	2654
DIF. REQ. FOR SIG. 5%		4.5		2.9	0.5	1.9	305
25%		2.5		1.6	0.3	1.1	180

% yield based on average of Fremont; Hack; Pella > Pella 86 (1987).
 Seeds pound: No 1987 data.

TABLE 38. SOUTH CENTRAL IRRIGATED SOYBEAN PERFORMANCE. ALTE. 1983-1987.

BRAND	ENTRY	YIELD		MATURE DATE	LODGING SCORE	HEIGHT INCHES	SEEDS POUND
		BU/A	%				
3-YEAR AVERAGE							
----	FREMONT	47.9	100	9-24	1.7	40	2470
----	ZANE	52.8	110	9-25	1.6	40	2210
LYNKS SEEDS	LX8280	53.2	111	9-25	2.3	38	2690
HOEGEMEYER	375	51.3	107	9-26	2.0	41	2720
HORIZON	H-52	51.4	107	9-26	2.6	44	2740
SOI	353	52.4	109	9-26	2.1	42	2340
YOUNKERMAN	CAMARO	52.6	110	9-26	2.1	42	2340
OHLDE	3193	51.2	107	9-27	2.1	42	2770
TRI VALLEY	CHARGER	52.0	109	9-27	2.6	43	2650
WILSON BLEND	3130	52.9	110	9-27	2.2	42	2660
ASGROW	A3427	51.9	108	9-28	1.8	38	2730
LYNKS SEEDS	LX8307	53.0	111	9-28	2.2	42	2340
----	WINCHESTER	46.1	96	9-29	2.2	43	2400
----	WILLIAMS 82	43.5	91	9-30	2.5	46	2620
AVERAGE ALL ENTRIES		50.9		9-27	2.1	41.6	2549
DIF. REQ. FOR SIG. 5%		3.3		2.1	0.5	2.3	127
25%		1.9		1.2	0.3	1.3	72
4-YEAR AVERAGE							
----	FREMONT	49.6	100	9-24	1.6	38	2500
LYNKS SEEDS	LX8280	54.3	109	9-24	2.1	36	2680
----	ZANE	54.7	110	9-25	1.5	38	2190
HORIZON	H-52	54.2	109	9-26	2.5	42	2680
WILSON BLEND	3130	54.5	110	9-26	2.1	40	2630
OHLDE	3193	52.8	106	9-27	2.0	40	2740
TRI VALLEY	CHARGER	54.0	109	9-27	2.6	41	2600
----	WINCHESTER	48.0	97	9-29	2.1	41	2370
----	WILLIAMS 82	46.2	93	9-30	2.5	44	2630
AVERAGE ALL ENTRIES		52.0		9-26	2.1	40.0	2558
DIF. REQ. FOR SIG. 5%		3.9		2.0	2.0	0.4	116
25%		2.2		1.2	1.2	0.2	65
5-YEAR AVERAGE							
WILSON BLEND	3130	53.3	106	9-25	2.1	40	2670
HORIZON	H-52	53.9	107	9-26	2.4	42	2770
TRI VALLEY	CHARGER	53.7	107	9-27	2.5	41	2730
----	WINCHESTER	49.5	98	9-29	2.1	41	2450
----	WILLIAMS 82	47.2	94	9-30	2.3	44	2720
AVERAGE ALL ENTRIES		51.5		9-27	2.3	41.6	2668
DIF. REQ. FOR SIG. 5%		4.0		1.8	0.3	1.8	125
25%		2.2		1.0	0.2	1.0	69

% yield based on average of Century > Fremont (1986); Mead > Hack (1986); Woodworth > Pella (1984) > Pella 86 (1987).
Seeds pound: No 1987 data.

TABLE 39. DAWSON COUNTY ELITE. IRRIGATED. 1987.

BRAND	ENTRY	YIELD BU/A	%	MATURE DATE	LODGING SCORE	HEIGHT INCHES
----	HARDIN	59.1	97	9-23	1.9	44
----	ELGIN 87	62.6	102	9-24	2.1	41
----	BSR 101	59.7	97	9-25	2.0	47
JACQUES	J-231	59.1	97	9-25	1.9	47
SOI	226	64.7	106	9-25	1.6	41
LATHAM	650	64.7	106	9-26	1.5	42
----	HOYT	60.1	98	9-27	1.1	26
LINCOLN SEED	LS 7221	64.3	105	9-27	1.8	44
PROFISEED	PS 1152	63.9	104	9-27	1.6	41
TERRA	DECATHALON	64.3	105	9-27	2.4	41
----	CENTURY 84	56.9	93	9-28	1.0	45
STINE	2510	64.4	105	9-28	2.5	43
----	PLATTE	55.7	91	9-29	1.0	49
----	FREMONT	57.3	94	9-29	1.4	49
----	HACK	60.5	99	10- 1	1.1	46
----	ZANE	56.4	92	10- 1	1.5	47
ASGROW	A2943	65.4	107	10- 1	1.9	46
DEKALB-PFIZER	CX283	58.5	96	10- 1	1.9	47
HILL SEED	HS2700	64.9	106	10- 2	2.0	44
HOEGEMEYER	205	58.6	96	10- 2	1.6	45
YOUNKERMANN	CAMARO	54.7	89	10- 2	2.1	47
----	PELLA 86	60.6	99	10- 3	1.8	47
S BRAND	S-48C	54.3	89	10- 3	1.8	47
TERRA	SPRINT	59.4	97	10- 3	2.1	47
YOUNKERMANN	CAPRICE	62.1	101	10- 3	1.3	50
----	HARPER 87	60.1	98	10- 4	1.0	45
----	LOGAN	59.7	97	10- 4	2.4	56
GOLDEN HARVEST	H-1285	64.5	105	10- 4	2.6	45
STRAYER	3134	60.3	98	10- 4	1.9	44
MERSHMAN	TRUMAN II	58.0	95	10- 5	2.5	49
TRI VALLEY	CHARGER 85	63.4	104	10- 5	2.1	50
----	CHAMBERLAIN	55.9	91	10- 7	3.0	49
HORIZON	H-52	58.7	96	10- 7	2.9	51
MIDWEST OILSEEDS	3500	53.8	88	10- 7	2.5	48
WILSON BLEND	3560	54.3	89	10- 7	2.4	52
----	HOBBIT 87	71.7	117	10- 8	1.1	29
HOEGEMEYER	384	60.3	98	10- 8	3.5	50
TRI VALLEY	CHARGER	63.5	104	10-10	2.1	48
----	WILLIAMS 82	49.7	81	10-11	2.6	53
----	RIPLEY	52.9	86	10-13	1.1	33
AVERAGE ALL ENTRIES		60.0		10- 2	1.9	45.4
DIF. REQ. FOR SIG. 5%		5.9		2.7	1.0	3.0
25%		3.4		1.6	0.6	1.8

Yield in bushels per acre and % of Elgin 87, Hack and Pella 86.

TABLE 40. WEST CENTRAL LIMITED SPRINKLER IRR. (6"). LINCOLN CO. 1985-1987.

BRAND	ENTRY	YIELD, BU/A			SEEDS POUND
		1985	1986	1987	
----	BSR101	--	--	47.5	2980
----	CORSOY 79	49.3	60.8	53.7	3160
----	ELGIN	43.1	--	53.8	3020
----	WEBER 84	43.5	61.1	47.7	3990
ARROW SEED	AS2610	--	--	50.5	3090
ASGROW	A2187	--	63.4	49.1	3120
DEKALB-PFIZER	XC283	52.3	--	54.0	3180
GOLDEN HARVEST	H-1285	53.3	64.0	63.0	3100
HOEGEMEYER	200	--	--	51.2	3060
JACQUES	J-103	--	--	51.9	2900
LYNKS	LX8165	--	--	48.9	2910
NORTHROP KING	S 23-03	--	--	54.2	2990
PIONEER	1677	45.6	--	46.6	3550
S BRAND	S47B	50.5	--	59.4	3120
AVERAGE ALL ENTRIES		48.5	62.1	52.1	3160
DIF. REQ. FOR SIG.	5%	7.1	6.4	6.9	130
	25%	4.1	3.6	4.0	75

TABLE 41. WEST CENTRAL FULL SPRINKLER IRRIGATION. LINCOLN CO. 1985-1987.

BRAND	ENTRY	YIELD, BU/A		SEEDS POUND
		1985	1987	
----	BSR101	--	63.9	2640
----	CORSOY 79	57.0	63.7	2950
----	ELGIN	58.5	67.8	2750
----	WEBER 84	50.9	55.1	3640
ARROW SEED	AS2610	--	57.6	2880
ASGROW	A2187	--	63.9	2670
DEKALB-PFIZER	CX283	66.9	65.7	2770
GOLDEN HARVEST	H-1285	67.3	71.3	2880
HOEGEMEYER	200	--	56.5	2850
JACQUES	J-103	--	61.5	2570
LYNKS	8165	--	57.8	2720
NORTHROP KING	S 23-03	--	60.5	2740
PIONEER	1677	57.4	52.0	3120
S BRAND	S47B	70.1	64.4	2830
AVERAGE ALL ENTRIES		60.5	61.5	2860
DIF. REQ. FOR SIG.	5%	4.5	6.2	110
	25%	2.6	3.6	60

