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1985 Variety Recommendations, Soybeans

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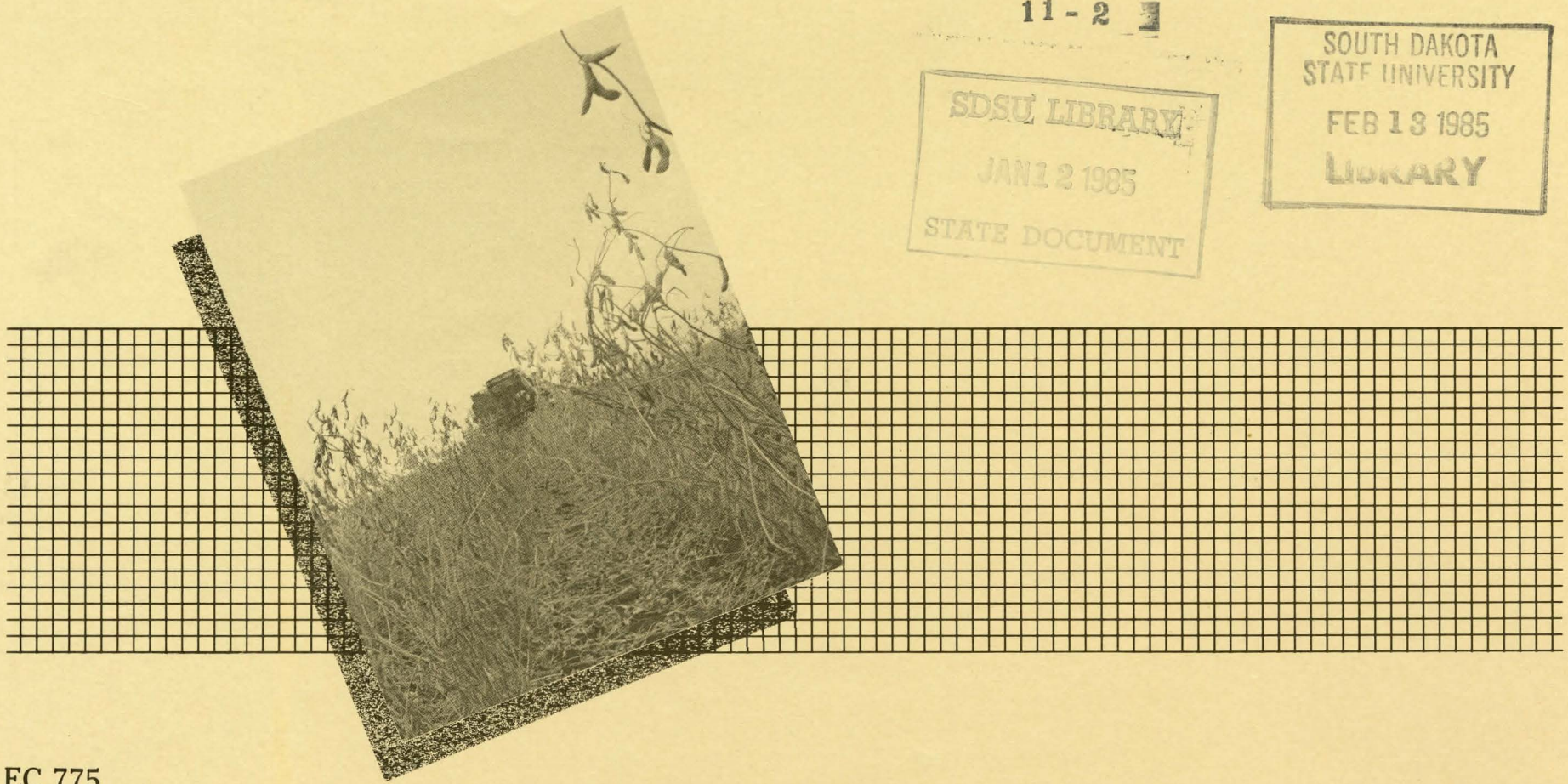
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EC 775

1985 variety recommendations soybeans

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1985 SOYBEAN VARIETY RECOMMENDATIONS

Recommended _____ Acceptable/Promising

Maturity Group-0

Simpson
Swift

Evans

Maturity Group-1

Hardin
Weber

Hodgson 78
Lakota
A'Head 2188

Maturity Group-II

Century
Corsoy 79
A'Head 2244
Pride B203

Elgin
Harcor
Nebsoy
Wells II
Asgrow A2575
Land O' Lakes LL4303

Maturity Group-III

Pella
Mead

**1984 SOUTH DAKOTA VARIETY RECOMMENDATIONS,
CHARACTERISTICS, AND YIELD DATA:
SOYBEANS**

*Robert G. Hall, Extension Agronomist - Crops
Joseph J. Bonneman, Assistant Professor - Crop Testing
Paul D. Evenson, Statistician*

Successful soybean production is greatly affected by variety selection for a given growing area. This publication contains variety recommendations, descriptions, and yield data for soybeans.

Important factors in variety selection include yield, maturity, plant height, lodging resistance, and Phytophthora root rot resistance (See SDSU Soybean Traits Evaluated--All Entries). In the case of public varieties, additional information is available which may aid farmers in variety selection. Such information includes relative maturity, emergence, shattering, and iron chlorosis scores (see Regional Soybean Traits Evaluated--Public Entries).

VARIETY RECOMMENDATIONS

Variety recommendations (inside cover) are made annually by the Plant Science Department Variety Recommendation Committee. Recommendations for a given variety may vary from one crop adaptation area to another. Crop adaptation areas (see map) are based on soil type, elevation, temperature, and rainfall. Soybean varieties are recommended on the basis of growing season, average rainfall, disease frequency, and farming practices that are common to a given crop adaptation area.

It is important to realize that soybean varieties are classified according to various maturity groups. Maturity grouping is greatly influenced by latitude. Consequently, maturity group-00 varieties are best suited to Canada and extreme northern regions of the U.S., while maturity group-0 to early group-III varieties are suited to South Dakota, and group-IV through group-VIII varieties are suited to Iowa, Nebraska, and southward to the Gulf States.

In South Dakota the appropriate crop adaptation area (see map) for a given maturity group is as follows:

Maturity Group Crop Adaptation Area

- 0 D1, D2, D3, and northern counties of C1 and B2
- I D1, D2, D3, C1, and B2
- II Southern counties of B2 and C1, area D3, and northern counties of D4 and E
- III Those counties bordering the Missouri River in areas D4 and E

One should note that for some crop adaptation areas, there may be transition zones where varieties

of two maturity groups may perform similarly. In most cases, an earlier maturity group may be seeded in an adaptation area suited to a late maturity group. Generally, this is only practical where seeding has been delayed or some type of double cropping is used.

In many cases, farm location and management skills in one adaptation area resemble those in another area. Therefore, farmers should regard this fact when considering these recommendations.

A variety, either public or private, must be evaluated according to the minimum requirements discussed in **Recommendation Procedures** before it is eligible for recommendation.

Varieties are classified as "recommended," or "acceptable/promising." Varieties listed as "recommended" have exhibited a high level of performance. Those listed as "acceptable/promising" have either performed well but do not merit the "recommended" list or are new varieties which have shown a high performance level but have undergone limited testing.

Farmers should realize that **certified seed** is the **best source of seed** and the only way in which they can be assured of the genetic purity of the variety purchased. In addition, farmers should realize that inoculation of seed with the appropriate nitrogen-fixing bacteria is a good fundamental practice. Inoculation is generally needed if soybeans are seeded in soils not previously cropped with soybeans. However, on such soils there is no guarantee that inoculation in the current year will occur as a result of the inoculation of seed in previous years. Inoculation of seed at planting is a cheap means of increasing the percentage of plants that will fix nitrogen in the current crop year.

YIELD

All yield information is obtained from the SDSU Crop Performance Testing Program. One-year yields for varieties tested are included for each test location. Three-year averages are also included where varieties have been tested for 3 or more years. Yield comparisons should only be made on 3-year averages or on one-year averages. Comparison in yielding potential among varieties is best done by using 3-year averages.

Variety Recommendation Committee members include M.L. Horton (Chairman); R. G. Hall and C.E. Stymiest (Extension crops); J.J. Bonnemann and H.A. Geise (crop testing); F.A. Cholick and K. Sellers (spring wheat); J.L. Gellner (winter wheat); C.L. Lay and K. Grady (flax and soybeans); D. Reeves (barley, oats, and rye); C.W. Holland (forage crops); P. Weeldreyer (Extension irrigation); G. Buchenau, M. Ferguson, and W.S. Gardner (plant pathology); R.J. Pollmann (seed certification); and J.B. Weber (Foundation Seed).

GENERAL TEST PROCEDURES

Recommendation Procedures: Recommendations of both public and private varieties are based on a minimum of 3 years and 5 location-years for variety, yield, moisture, and maturity. Variety characteristics like height, protein, oil content, disease reactions, and lodging are considered when information is available.

Test Procedures: Standard 30-inch row spacings were used at all locations. Adjustments in seeding rates, on a pure-live-seed basis, were made to attain a final population of 140,000 plants per acre for all varieties and locations. All test plots consisted of 2-row plots, 16 feet long, with four replications. Varieties

were inoculated and a granular herbicide was banded over the row behind the press wheel. Additional herbicides and fertilization were dependent on each farm cooperator. Check varieties for each maturity group include Simpson and Weber for group-0; Weber and Corsoy 79 for group-1; Corsoy 79 and Mead for group-11; and Mead and Pella for group-111.

SDSU SOYBEAN TRAITS EVALUATED--ALL ENTRIES

Yield: Plots were harvested at 15% seed moisture or less and dried. Yields were calculated on a 13% moisture content basis, and expressed in bushels per acre.

Maturity: Entries were considered mature when 95% of the pods had turned brown.

Height: Height was measured from the soil surface to the top node of the main stem.

Lodging Score: Scores at maturity were based on average erectness of the main stem of plants within variety and location. 1 = all plants erect, 2 = slight lodging, 3 = lodging at a 45 degree angle, 4 = severe lodging, and 5 = all plants flat.

Phytophthora: Resistance of entries to race 1 was supplied by the entrant (private) or obtained from the USDA Uniform Soybean Tests, Northern States (public). Entries were designated as R = all plants resistant, S = all plants susceptible, M = mixture of resistant and susceptible plants, and X = data not available.

REGIONAL SOYBEAN TRAITS EVALUATED--PUBLIC ENTRIES

Regional evaluations of public soybean variety characteristics are conducted annually and reported by USDA as the Uniform Soybean Test, Northern States (Table 1). Character evaluations and locations include maturity (Brookings, SD), emergence (Ames, IA), shattering (Manhattan, KS), and iron chlorosis (Lamberton, MN). A discussion of these characteristic evaluations follows.

Maturity: Date when 95% of the pods have ripened. Maturity in days is reported as the number of days that a variety is earlier (-) or later (+) than Corsoy 79.

Emergence: Indicates the percentage of seeds which have emerged after 12 days from a 4 1/2-inch depth in sand maintained at 77 F. Scores include 1 = more than 85% emerged, 2 = 70-84% emerged, 3 = 45-69% emerged, 4 = 20-44% emerged, and 5 = 0-19% emerged. A score of 4 or 5 indicates the variety exhibits slow emergence. Such a score does not mean the variety will perform poorly.

Shattering: Indicates what percent of the pods open 2 weeks after maturity. Scores include 1 = no shattering, 2 = 1-10% shattered, 3 = 11-25% shattered, 4 = 26-50% shattered, and 5 = over 50% shattered.

Iron Chlorosis: Susceptibility evaluated on high pH soils range from 1 = little or no yellowing to 3 = moderate yellowing to 5 = severe yellowing.

NOTE: Rains and flooding prevented yield trials at Elk Point in 1984.

Table 1. Some characteristics of the public soybeans varieties included in the 1984 South Dakota crop performance tests (data was obtained from the uniform soybean tests - northern states).

VARIETY	--MATURITY--		-----SCORE-----			VARIETY	--MATURITY--		-----SCORE-----		
	DAYS	GROUP	EMER- GENGE	SHATTER- ING	IRON CHLOROSIS		DAYS	GROUP	EMER- GENGE	SHATTER- ING	IRON CHLOROSIS
McCall	-24	00	1	1	2.8	Nebsoy	+3	II	1	3	4.0
Ozzie	-15	0	5	1	2.6	Benson 80	+5	II	5	2	1.0
Evans	-14	0	1	2	2.8	Century	+5	II	4	2	2.5
Dawson	-12	0	1	1	1.6	Ancor	+6	II	1	3	4.0
Swift	-12	0	2	3	2.7	Gnome**	+7	II	1	1	3.6
Simpson	-11	0	1	2	2.8	Zane	+9	III	5	2	4.4
Hodgson 78	-6	I	5	2	2.4	Hobbot**	+10	III	1	1	3.6
Hardin	-3	I	1	1	3.8	Will	+10	III	5	1	4.0
Lakota	-3	I	2	1	1.2	Mead	+12	III	5	3	4.5
Weber	-2	I	2	1	2.2	Pella	+12	III	3	1	3.4
Weber 84	-1	I	1	1	2.2	Williams 7	+12	III	3	1	4.7
Corsoy 79	0	II	1	2	4.4	Williams 8	+12	III	2	1	4.2
Elgin	0	II	5	2	2.2	Cumberland	+13	III	4	1	4.5
BSR201	+1	II	3	2	4.8	Sprite**	+13	III	1	1	3.0
Wells II	+1	II	4	3	3.8	Harper	+14	III	5	1	4.2
Hack	+1	II	5	1	4.0	Union	+15	IV	3	1	3.5
Miami	+1	II	1	3	3.6						
Century 84	+2	II	5	2	4.6						
Harcor	+2	II	1	3	5.0						
Platte	+2	II	5	2	4.0						

*See descriptions of evaluation methods.

*Indicates a semidwarf variety.

NOTE: Rain and flooding prevented yield trials at Elk Point in 1984.

**YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
ROBERT AND MONTE QUADE FARM (WILMOT), SEEDED MAY 22, 1984.**

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
INTERSTATE	545	0	116	32	1**	S***	S	S	38	.
ARROWHEAD	DSG-1	0	122	36	1	X	X	X	41	.
LAND O' LAKES	HC-800 (BL)*	0	119	34	1	R	S	S	41	.
-----	OZZIE	0	121	36	1	R	X	S	43	33
-----	SWIFT	0	121	34	1	S	S	S	43	37
PRIDE	PEX96	0	123	42	2	S	S	S	45	.
NORTHRUP KING	S 09-90	0	123	39	1	R	X	X	45	.
-----	EVANS	0	121	41	1	R	X	S	46	36
-----	SIMPSON	0	122	35	1	R	X	X	46	40
-----	DAWSON	0	115	32	1	R	X	S	48	.
MATURITY GROUP MEAN									43	36
MATURITY GROUP LSD (5%)									NS#	3
PRIDE	B152	I	125	28	1**	R***	R	S	32	35
CENEX	1018	I	124	32	1	R	S	S	33	.
ARROWHEAD	2188	I	128	32	1	X	X	X	34	37
ARROWHEAD	9144	I	120	31	1	S	X	X	34	31
DAIRYLAND	DSR120	I	121	31	1	S	X	X	34	37
-----	HODGSON 78	I	124	36	1	R	S	S	35	36
-----	WEBER	I	127	34	1	S	S	S	37	40
STINE	1520	I	127	34	1	M	X	X	38	.
-----	LAKOTA	I	123	39	1	R	S	S	39	39
DEKALB	CX134	I	125	36	1	X	X	X	39	.
NORTHRUP KING	S 14-60	I	127	33	1	S	S	S	40	.
PRIDE	PEX100 (BL)*	I	124	34	1	M	M	S	41	.
DAIRYLAND	DST-1205	I	123	36	1	X	X	X	41	.
LAND O' LAKES	LL4503	I	124	34	1	R	S	S	41	.
ARROWHEAD	8155	I	126	35	1	R	X	X	42	.
DAIRYLAND	DSR141	I	125	40	1	S	S	S	42	39
DAIRYLAND	DST-1203	I	126	36	1	R	X	X	42	.
HY-VIGOR	ROCKER 9 (B)	I	127	36	1	R	X	X	42	.
-----	WEBER 84	I	129	38	1	R	S	S	42	.
HOFLER	OPAL	I	129	32	1	R	R	S	43	.
KRUGER	KB152 (BL)	I	129	40	1	R	S	S	43	.
KRUGER	K1010	I	128	36	1	R	S	S	43	.
STINE	1350	I	127	35	1	S	X	X	44	.
KRUGER	KB151 (BL)	I	127	39	1	R	S	S	44	.
INTERSTATE	575	I	128	34	1	M	S	S	44	.
LAND O' LAKES	L1771	I	125	35	1	R	R	R	45	.
-----	HARDIN	I	125	37	1	R	S	S	47	42
MUSTANG	M-1120A	I	127	41	1	X	X	X	47	.
HY-VIGOR	E-90	I	128	41	1	R	R	S	48	.
MATURITY GROUP MEAN									41	38
MATURITY GROUP LSD (5%)									NS#	2

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
ROBERT AND MONTE QUADE FARM (WILMOT), SEEDED MAY 22, 1984.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
-----	ELGIN	II	131	34	1**	S***	S	S	37	.
-----	NEBSOY	II	132	36	1	R	X	X	38	.
ARROWHEAD	8450	II	123	36	1	X	X	X	40	.
KRUGER	K2006	II	136	44	2	R	S	S	42	.
-----	HARCOR	II	127	39	1	R	S	S	42	38
DE SOY	330 (BL)*	II	127	36	1	R	S	S	42	.
KRUGER	K2004	II	135	39	1	R	S	S	43	.
-----	MIAMI	II	130	36	1	R	R	R	44	.
MUSTANG	M-1220A	II	131	37	1	X	X	X	44	.
-----	WELLS II	II	131	38	1	R	R	S	46	41
DE SOY	302 (BL)	II	128	40	1	R	M	M	49	.
-----	CORSOY 79	II	127	40	1	R	R	S	50	42
DE SOY	430 (BL)	II	129	40	1	R	M	S	50	.

MATURITY GROUP MEAN
MATURITY GROUP LSD (5%)

43
NS#

41
NS

*BL = BLEND
**1 = EXCELLENT, 5 = POOR
***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.
#NS INDICATES THERE IS NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
JAMES VALLEY RESEARCH FARM (REDFIELD), SEEDED MAY 11, 1984.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
INTERSTATE	545	0	129	37	1**	S***	S	S	53	.
-----	OZZIE	0	130	34	1	R	X	S	54	.
ARROWHEAD	DSG-1	0	132	42	1	X	X	X	57	.
-----	SIMPSON	0	133	37	1	R	X	X	59	.
-----	DAWSON	0	131	36	1	R	X	S	59	.
-----	EVANS	0	131	42	1	R	X	S	59	.
NORTHROP KING	S 09-90	0	133	44	1	R	X	X	60	.
-----	SWIFT	0	131	46	1	S	S	S	62	.
HY-VIGOR	HARDY	0	132	39	1	R	X	X	66	.

MATURITY GROUP MEAN
MATURITY GROUP LSD (5%)

58
5

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
 JAMES VALLEY RESEARCH FARM (REDFIELD), SEEDED MAY 11, 1984.

BRAND	VARIETY	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	PHYTOPHTHORA (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
ARROWHEAD	9144	I	131	36	1**	S***	X	X	33	.
CENEX	1018	I	133	44	1	R	S	S	54	.
-----	WEBER	I	141	46	0	S	S	S	55	.
INTERSTATE	575	I	138	38	1	M	S	S	57	.
-----	LAKOTA	I	138	53	2	R	S	S	58	.
INTERSTATE	595	I	143	49	2	M	S	S	59	.
ARROWHEAD	2188	I	136	49	2	X	X	X	60	.
-----	HODGSON 78	I	137	45	2	R	S	S	61	.
-----	HARDIN	I	140	47	2	R	S	S	62	.
HY-VIGOR	ROCKER 9 (B)	I	138	42	1	R	X	X	63	.
DEKALB	CX174	I	144	45	2	R	S	S	64	.
-----	WEBER 84	I	139	48	2	R	S	S	64	.
CENEX	8212	I	140	46	2	R	S	S	65	.
NORTHROP KING	S 14-60	I	136	41	1	S	S	S	66	.
SANDS	SO1 EXP. 142	I	135	41	1	R	S	S	66	.
DEKALB	CX155	I	142	50	2	S	S	S	68	.
MATURITY GROUP MEAN									60	.
MATURITY GROUP LSD (5%)									6	.
-----	AMCOR	II	149	47	2**	R***	X	X	46	.
-----	GNOME	II	147	27	1	S	X	S	47	.
-----	BEESON 80	II	147	47	2	R	R	S	51	.
-----	HARCOR	II	142	47	2	R	S	S	51	.
-----	CORSOY 79	II	142	51	2	R	R	S	57	.
-----	NEBSOY	II	143	43	1	R	X	X	57	.
-----	PLATTE	II	145	49	2	R	X	X	57	.
-----	BSR 201	II	144	44	1	R	S	M	57	.
-----	MIAMI	II	143	46	1	R	R	R	58	.
-----	WELLS II	II	142	46	1	R	R	S	58	.
HOFLER	STAR	II	136	45	1	R	S	S	59	.
-----	CENTURY 84	II	149	46	2	R	X	X	59	.
-----	ELGIN	II	142	41	1	S	S	S	61	.
-----	CENTURY	II	148	47	2	R	S	M	61	.
ARROWHEAD	8650	II	141	49	2	X	X	X	63	.
-----	HACK	II	142	39	1	R	S	S	65	.
HOFLER	JADE	II	141	50	2	R	S	S	70	.
MATURITY GROUP MEAN									57	.
MATURITY GROUP LSD (5%)									8	.

*BL = BLEND
 **1 = EXCELLENT, 5 = POOR
 ***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.
 #NS INDICATES THERE IS NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

**YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SDSU AGRONOMY FARM (BROOKINGS), SEEDED MAY 23, 1984.**

BRAND	VARIETY	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	PHYTOPHTHORA (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
LAND O' LAKES	HC-800 (BL)*	0	122	31	1**	R***	S	S	40	.
-----	OZZIE	0	121	31	1	R	X	S	40	44
-----	EVANS	0	123	33	1	R	X	S	41	46
NORTHRUP KING	S 09-90	0	126	32	1	R	X	X	45	.
INTERSTATE	545	0	124	32	1	S	S	S	47	.
-----	DAWSON	0	121	30	1	R	X	S	49	.
-----	SIMPSON	0	126	32	1	R	X	X	51	54
-----	SWIFT	0	123	33	1	S	S	S	52	54
MATURITY GROUP MEAN									44	50
MATURITY GROUP LSD (5%)									6	6

**LATE-SEEDING TRIAL AT THE SDSU AGRONOMY FARM (BROOKINGS),
SEEDED JUNE 29, 1984**

-----	CHICO	0	95	24	1**	R***	X	X	14	.
-----	CLAY	0	98	27	1	S	X	X	26	.
-----	SIMPSON	0	102	31	2	R	X	X	27	46
-----	SWIFT	0	100	33	2	S	S	S	28	46
-----	EVANS	0	100	36	2	R	X	S	28	41
-----	OZZIE	0	101	32	2	R	X	S	28	40
-----	DAWSON	0	100	33	2	R	X	S	30	.
MATURITY GROUP MEAN									26	.
MATURITY GROUP LSD (5%)									6	.

SEEDED MAY 23, 1984

SRF	76-29329	I	136	36	2**	R***	X	X	39	.
NORTHRUP KING	S 1346	I	131	36	1	S	S	S	41	.
MUSTANG	M-1120A	I	130	38	1	X	X	X	42	.
INTERSTATE	595	I	136	43	2	M	S	S	42	.
CENEX	1018	I	129	36	1	R	S	S	43	.
DEKALB	CX174	I	133	39	1	R	S	S	43	.
SRF	76-24486	I	131	40	1	R	X	X	43	.
LAND O' LAKES	L1808	I	133	35	2	R	S	S	43	.
CENEX	8410	I	132	30	1	R	S	S	43	.
HY-VIGOR	901 (BL)*	I	132	41	2	R	R	S	44	.
PRO-SOY	704	I	131	34	1	X	X	X	44	.
PRIDE	B152	I	130	34	1	R	R	S	44	.
-----	LAKOTA	I	130	41	2	R	S	S	44	51
-----	WEBER 84	I	132	41	2	R	S	S	45	.
PRIDE	PEX100 (BL)	I	129	34	1	M	M	S	46	.
HOFLER	OPAL	I	132	31	1	R	R	S	46	.
LINCOLN	LS7113	I	128	34	1	R	S	S	46	.
-----	WEBER	I	131	38	2	S	S	S	47	54
-----	HARDIN	I	131	40	2	R	S	S	47	57
STINE	1480	I	132	36	1	X	X	X	47	.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SDSU AGRONOMY FARM (BROOKINGS), SEEDED MAY 23, 1984.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
NORTHRUP KING	S 18-84	I	131	36	2	R	R	R	47	.
LAND O' LAKES	L1771	I	130	37	1	R	R	R	47	.
DAIRYLAND	DSR171	I	132	44	2	S	S	S	48	52
SANDS	SO1 133	I	132	32	1	R	S	S	48	.
INTERSTATE	575	I	133	32	1	M	S	S	48	.
LAND O' LAKES	GO-44 (BL)	I	131	39	2	R	S	S	48	.
SANDS	SO1 136	I	133	43	2	R	S	S	48	.
ROEBKE	R-180	I	127	38	1	R	S	S	48	.
ROEBKE	R-190	I	131	40	2	R	S	S	48	.
HY-VIGOR	ROCKER 9 (B	I	131	41	1	R	X	X	48	.
DIAMOND	TC 137	I	129	38	1	R	S	S	48	.
STINE	1570	I	132	40	2	R	X	X	49	.
ARROWHEAD	8155	I	130	39	1	R	X	X	49	56
NORTHRUP KING	S 14-60	I	129	35	1	S	S	S	49	.
KRUGER	K1010	I	132	41	3	R	S	S	49	.
DAIRYLAND	DSR141	I	132	41	1	S	S	S	49	.
ASGROW	A1937	I	130	39	1	R	S	S	49	53
LAND O' LAKES	LL4503	I	128	34	1	R	S	S	49	57
LINCOLN	LS7119	I	131	39	2	R	S	S	49	.
SANDS	SO1 125	I	129	41	1	R	S	S	50	.
STINE	1350	I	130	32	1	S	X	X	50	.
-----	HODGSON 78	I	128	40	1	R	S	S	50	54
ARROWHEAD	2188	I	129	42	2	X	X	X	50	55
SANDS	SO1 EXP. 142	I	129	37	1	R	S	S	50	.
CENEX	8212	I	131	39	2	R	S	S	51	.
DAIRYLAND	DSR120	I	127	34	1	S	X	X	51	.
LATHAM	301 (BL)	I	133	42	2	M	M	M	51	.
DEKALB	CX155	I	132	43	2	S	S	S	52	54
	MATURITY GROUP MEAN								47	54
	MATURITY GROUP LSD (5%)								5	2
-----	CENTURY 84	II	141	35	2**	R***	X	X	31	.
-----	PLATTE	II	140	39	2	R	X	X	31	42
-----	GNOME	II	138	25	1	S	X	X	31	42
-----	CENTURY	II	139	38	1	R	S	M	32	.
-----	BEESON 80	II	138	37	1	R	R	S	33	.
MC CURDY	260B (BL)*	II	139	38	2	X	X	X	34	.
-----	AMCOR	II	138	46	2	R	X	X	36	42
-----	BSR 201	II	136	36	2	R	S	M	37	47
-----	ELGIN	II	134	34	2	S	S	S	38	49
HOFLE	JEWELL	II	135	39	1	R	R	R	39	.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SDSU AGRONOMY FARM (BROOKINGS), SEEDED MAY 23, 1984.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
-----	MIAMI	II	135	39	1	R	R	R	39	.
SEXAUER	SRF 205	II	135	42	3	R	S	S	39	47
KRUGER	K2000	II	136	41	1	R	S	S	40	.
-----	HACK	II	137	35	1	R	S	S	40	.
SEXAUER	SX 29	II	137	39	2	R	S	S	40	.
DE SOY	616 (BL)	II	135	38	1	M	X	X	40	.
KRUGER	KB225 (BL)	II	136	38	1	S	S	S	40	.
HOFLER	GEM	II	138	41	2	S	S	S	40	.
-----	HARCOR	II	132	38	1	R	S	S	41	48
PRIDE	B203	II	134	38	2	R	R	S	41	52
ARROWHEAD	8650	II	133	41	2	X	X	X	41	.
-----	WELLS II	II	135	42	1	R	R	S	41	48
ASGROW	A2575	II	135	39	1	R	S	S	42	48
ROEBKE	R-200	II	134	40	2	R	S	S	42	.
LATHAM	500	II	135	43	2	R	X	X	43	.
MUSTANG	M-1225	II	135	37	2	X	X	X	43	.
-----	NEBSOY	II	135	40	1	R	X	X	43	50
NORTHROP KING	S 23-03	II	134	37	1	S	S	S	43	.
-----	CORSOY 79	II	132	40	1	R	R	S	43	50
SANDS	S01 222	II	134	39	2	R	S	S	43	.
MUSTANG	M-1220A	II	133	39	1	X	X	X	44	50
ARROWHEAD	2244	II	134	42	2	M	X	X	44	.
MC CURDY	102+ (BL)	II	135	42	1	M	M	M	45	.
DE SOY	330 (BL)	II	133	39	2	R	S	S	45	.
MUSTANG	EXP-10	II	133	41	1	X	X	X	45	.
KRUGER	KB215 (BL)	II	133	43	1	R	S	S	45	.
ASGROW	A2522	II	134	42	2	X	X	X	45	.
HOFLER	STAR	II	132	37	1	R	S	S	46	.
HOFLER	JADE	II	133	39	2	R	S	S	47	.
AGRI PRO	AP200	II	131	38	1	R	S	S	47	54
DE SOY	302 (BL)	II	133	40	2	R	M	M	47	.
DE SOY	430 (BL)	II	133	43	1	R	M	S	48	.
LATHAM	EX-451 (BL)	II	132	38	1	R	X	X	48	.
LATHAM	551 (BL)	II	134	41	1	M	X	X	50	.
MATURITY GROUP MEAN									41	48
MATURITY GROUP LSD (5%)									5	1

*BL = BLEND

**1 = EXCELLENT, 5 = POOR

***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.

#NS INDICATES THERE IS NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

**YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
TOM AND LEE WINTERSTEEN FARM (CROOKS), SEEDED MAY 25, 1984.**

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
-----	HARDIN	I	121	39	1**	R***	S	S	25	39
-----	HODGSON 78	I	118	34	1	R	S	S	34	39
ARROWHEAD	2188	I	116	35	1	X	X	X	36	.
SANDS	SO1 125	I	117	35	1	R	S	S	37	.
INTERSTATE	575	I	119	30	1	M	S	S	39	.
ROEBKE	R-180	I	115	35	1	R	S	S	40	.
HY-VIGOR	ROCKER 9 (BL)*	I	117	36	1	R	X	X	40	.
INTERSTATE	595	I	127	39	1	M	S	S	40	.
DAIRYLAND	DSR141	I	120	40	1	S	S	S	41	.
ROEBKE	R-190	I	118	35	1	R	S	S	42	.
-----	WEBER	I	122	35	1	S	S	S	42	43
ARROWHEAD	8155	I	116	37	1	R	X	X	42	.
LINCOLN	LS7119	I	119	36	1	R	S	S	43	.
-----	WEBER 84	I	124	38	1	R	S	S	43	.
PRO-SOY	704	I	118	33	1	X	X	X	43	.
-----	LAKOTA	I	119	41	2	R	S	S	44	43
SANDS	SO1 133	I	117	31	1	R	S	S	45	.
DAIRYLAND	DSR171	I	124	40	1	S	S	S	46	.
MATURITY GROUP MEAN									40	42
MATURITY GROUP LSD (5%)									6	NS#
CENEX	8423	II	131	37	1*	R***	S	S	30	.
CENEX	8221	II	126	33	1	R	S	S	30	.
-----	CENTURY 84	II	131	34	1	R	X	X	34	.
-----	GNOME	II	131	27	1	S	X	S	34	38
STINE	2510	II	129	32	1	R	X	X	34	.
HOFLER	JADE	II	123	33	1	R	S	S	37	.
-----	BSR 201	II	129	34	1	R	S	M	37	.
-----	HARCOR	II	125	39	1	R	S	S	37	41
-----	BEESON 80	II	129	37	1	R	R	S	37	.
-----	PLATTE	II	129	36	1	R	X	X	37	40
-----	MIAMI	II	126	36	1	R	R	R	37	.
NORTHRUP KING	S 23-03	II	127	38	1	S	S	S	37	.
DAIRYLAND	DSR212	II	129	34	1	S	S	S	38	42
NORTHRUP KING	S2596	II	126	31	1	S	S	S	38	.
-----	ELGIN	II	126	31	1	S	S	S	38	43
PRO-SOY	710	II	126	36	1	X	X	X	38	.
-----	NEBSOY	II	128	36	1	R	X	X	38	40
-----	CENTURY	II	129	35	1	R	S	M	38	.
-----	WELLS II	II	126	37	1	R	R	S	39	42
SEXAUER	X19169	II	127	37	1	R	S	S	39	.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
TOM AND LEE WINTERSTEEN FARM (CROOKS), SEEDED MAY 25, 1984.

BRAND	VARIETY	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	PHYTOPHTHORA (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
ARROWHEAD	8650	II	122	35	1	X	X	X	39	.
STINE	2330	II	126	34	1	X	X	X	39	.
-----	CORSOY 79	II	125	42	1	R	R	S	40	43
S-BRAND	S-42	II	126	36	1	X	X	X	40	.
S-BRAND	S-38	II	120	37	1	X	X	X	40	.
-----	HACK	II	128	32	1	R	S	S	41	.
HOFLER	RUBY	II	129	37	1	R	S	S	41	.
S-BRAND	S-40	II	126	35	1	X	X	X	41	.
LAND O' LAKES	GO-43 (BL)*	II	124	40	1	R	S	S	42	.
LINCOLN	LS7231	II	127	35	1	R	S	S	42	.
FFR	10297	II	125	44	2	X	X	X	42	.
PRO-SOY	7110 (BL)	II	126	36	1	X	X	X	42	.
ROEBKE	R-200	II	124	38	1	R	S	S	42	.
DAIRYLAND	DSR207	II	128	36	1	S	S	S	42	43
ARROWHEAD	2244	II	124	36	1	M	X	X	43	44
-----	AMCOR	II	129	41	2	R	X	X	43	.
LAND O' LAKES	LL4303	II	127	33	1	R	S	S	43	.
HOFLER	ONYX	II	127	42	1	R	S	S	43	.
FFR	13004	II	126	40	1	X	X	X	43	.
PRO-SOY	711	II	126	35	1	X	X	X	43	.
GENEX	8017	II	122	34	1	R	S	S	44	.
DEKALB	CX283	II	128	40	1	S	S	S	44	.
HOFLER	GEM	II	128	40	1	S	S	S	45	.
SANDS	SO1 222	II	125	36	1	R	S	S	46	.
LAND O' LAKES	L2330	II	126	36	1	R	R	R	46	.
LINCOLN	LS7221	II	124	35	1	S	S	S	51	.
MATURITY GROUP MEAN									40	42
MATURITY GROUP LSD (5%)									7	1

*BL = BLEND
 **1 = EXCELLENT, 5 = POOR
 ***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.
 #NS INDICATES THERE IS NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

**YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
GORDON BROCKMUELLER FARM (FREEMAN), SEEDED MAY 18, 1984.**

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
MUSTANG	M-1120A	I	118	31	1**	X***	X	X	25	.
-----	HODGSON 78	I	115	30	1	R	S	S	26	.
INTERSTATE	575	I	117	27	1	M	S	S	26	.
ARROWHEAD	2188	I	113	31	1	X	X	X	26	.
NORTHRUP KING	S 14-60	I	114	27	1	S	S	S	27	.
DAIRYLAND	DSR171	I	117	36	1	S	S	S	27	.
ARROWHEAD	8155	I	117	32	1	R	X	X	27	.
-----	LAKOTA	I	118	34	1	R	S	S	28	.
-----	WEBER	I	119	33	1	S	S	S	28	.
INTERSTATE	595	I	120	35	1	M	S	S	28	.
-----	WEBER 84	I	121	33	1	R	S	S	29	.
-----	HARDIN	I	118	34	1	R	S	S	30	.
Maturity Group Mean									27	.
Maturity Group LSD (5%)									NS#	.
-----	GNOME	II	128	25	1**	S***	X	S	19	.
S-BRAND	S-40	II	125	27	1	X	X	X	23	.
S-BRAND	S-38	II	122	32	1	X	X	X	24	.
-----	WELLS II	II	122	31	1	R	R	S	26	.
LAND O' LAKES	LL4303	II	123	29	1	R	S	S	26	.
-----	PLATTE	II	125	32	1	R	X	X	26	.
SEXAUER	SRF 205	II	124	31	1	R	S	S	26	.
-----	NEBSOY	II	126	30	1	R	X	X	27	.
MUSTANG	EXP-10	II	120	31	1	X	X	X	27	.
LAND O' LAKES	L2330	II	121	32	1	R	R	R	27	.
NORTHRUP KING	S2596	II	124	28	1	S	S	S	27	.
-----	BSR 201	II	125	29	1	R	S	M	27	.
ARROWHEAD	8650	II	118	31	1	X	X	X	28	.
CENEX	8017	II	124	31	1	R	S	S	28	.
-----	HARCOR	II	121	31	1	R	S	S	28	.
CENEX	8221	II	121	33	1	R	S	S	28	.
-----	BEESON 80	II	124	30	1	R	R	S	29	.
-----	AMCOR	II	125	33	1	R	X	X	29	.
SANDS	S01 EXP. 227	II	127	33	1	R	S	S	29	.
-----	CENTURY	II	126	30	1	R	S	M	29	.
-----	ELGIN	II	124	30	1	S	S	S	29	.
DAIRYLAND	DSR212	II	122	32	1	S	S	S	29	.
-----	MIAMI	II	125	32	1	R	R	R	29	.
-----	CENTURY 84	II	126	30	1	R	X	X	29	.
S-BRAND	S-42	II	123	32	1	X	X	X	29	.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
GORDON BROCKMUELLER FARM (FREEMAN), SEEDED MAY 18, 1984.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
ARROWHEAD	2244	II	120	29	1	M	X	X	30	.
MUSTANG	M-1225	II	125	31	1	X	X	X	30	.
-----	CORSOY 79	II	122	34	1	R	R	S	30	.
DAIRYLAND	DSR207	II	124	31	1	S	S	S	30	.
DEKALB	CX283	II	128	29	1	S	S	S	31	.
-----	HACK	II	128	29	1	R	S	S	31	.
LAND O' LAKES	GO-43 (BL)*	II	125	32	1	R	S	S	31	.
MUSTANG	M-1220A	II	121	30	1	X	X	X	31	.
NORTHRUP KING	S 23-03	II	120	31	1	S	S	S	32	.
MATURITY GROUP MEAN									28	.
MATURITY GROUP LSD (5%)									4	.

*BL = BLEND
 **1 = EXCELLENT, 5 = POOR
 ***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.
 #NS INDICATES THERE IS NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SE RESEARCH FARM (BERESFORD), SEEDED MAY 24, 1984.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
-----	WEBER	I	118	31	1**	S***	S	S	31	40
-----	HARDIN	I	118	32	1	R	S	S	35	43
-----	HODGSON 78	I	114	29	1	R	S	S	36	39
ARROWHEAD	2188	I	115	29	1	X	X	X	38	.
ROEBKE	R-190	I	116	32	1	R	S	S	40	.
HY-VIGOR	ROCKER 9 (BL)*	I	117	32	1	R	X	X	40	.
ROEBKE	R-180	I	114	30	1	R	S	S	40	.
-----	LAKOTA	I	115	35	1	R	S	S	40	44
ARROWHEAD	8155	I	117	32	1	R	X	X	41	.
MUSTANG	M-1120A	I	117	32	1	X	X	X	42	.
HY-VIGOR	901 (BL)	I	118	33	1	R	R	S	42	.
-----	WEBER 84	I	119	32	1	R	S	S	43	.
HY-VIGOR	EX. 33	I	117	34	1	R	M	M	44	.
DAIRYLAND	DSR171	I	119	33	1	S	S	S	44	.
MATURITY GROUP MEAN									40	42
MATURITY GROUP LSD (5%)									NS	3

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SE RESEARCH FARM (BERESFORD), SEEDED MAY 24, 1984.

BRAND	VARIETY	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	PHYTOPHTHORA (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
CENEX	GNOME	II	129	16	1**	S***	X	S	27	37
	8423	II	128	35	1	R	S	S	31	.
	HARCOR	II	121	32	1	R	S	S	31	41
MC CURDY	260B (BL)*	II	127	31	1	X	X	X	32	.
PRO-SOY	714	II	129	31	1	X	X	X	32	.
LINCOLN	LS7221	II	125	28	1	S	S	S	33	.
CURRY	CBS-302B (BL)	II	127	34	1	X	X	X	33	.
	WELLS II	II	124	31	1	R	R	S	33	42
	MIAMI	II	124	31	1	R	R	R	34	.
SANDS	SOI 226	II	121	29	1	S	S	S	34	48
AGRI PRO	AP200	II	121	30	1	R	S	S	34	42
NORTHROP KING	S 23-03	II	123	32	1	S	S	S	34	.
STINE	2330	II	124	29	1	X	X	X	34	.
FONTANELLE	42X	II	119	31	1	X	X	X	35	44
STINE	2510	II	123	29	1	R	X	X	35	.
CENEX	8017	II	119	30	1	R	S	S	35	42
S-BRAND	S-38	II	117	32	1	X	X	X	36	.
	ELGIN	II	124	29	1	S	S	S	36	45
FONTANELLE	4141	II	121	30	1	X	X	X	36	.
CURRY	CBS-301B (BL)	II	128	31	1	X	X	X	36	.
SEXAUER	X19169	II	124	32	1	R	S	S	37	.
ARROWHEAD	8650	II	116	33	1	X	X	X	38	.
SEXAUER	SX 29	II	124	32	1	R	S	S	38	.
	HACK	II	125	29	1	R	S	S	39	.
	CENTURY 84	II	127	29	1	R	X	X	39	.
AGRI PRO	AP240	II	124	28	1	R	S	S	39	47
HOFLER	GEM	II	127	33	1	S	S	S	40	.
	BEESON 80	II	126	32	1	R	R	S	40	46
LAND O' LAKES	L2456	II	127	29	1	R	S	S	40	.
PRIDE	B203	II	125	31	1	R	R	S	40	46
	AMCOR	II	126	37	1	R	X	X	40	46
HOEGEMEYER	205	II	129	32	1	X	X	X	41	.
	CENTURY	II	126	31	1	R	S	M	41	49
S-BRAND	S-40	II	122	29	1	X	X	X	41	.
ARROWHEAD	2244	II	126	30	1	M	X	X	41	48
	BSR 201	II	126	31	1	R	S	M	41	45
PRIDE	B216	II	127	32	1	M	M	M	41	47
DAIRYLAND	DSR232	II	130	36	1	S	S	S	41	46
PRO-SOY	711	II	123	32	1	X	X	X	41	.
FONTANELLE	4545	II	128	31	1	X	X	X	42	45
LINCOLN	LS7234	II	128	31	1	S	S	S	42	.
DIAMOND	D180B (BL)	II	119	32	1	R	R	M	42	46
	NEBSOY	II	123	32	1	R	X	X	42	49
DAIRYLAND	DSR227	II	127	37	1	S	S	S	42	46
FONTANELLE	4250	II	124	34	1	X	X	X	43	.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SE RESEARCH FARM (BERESFORD), SEEDED MAY 24, 1984.

BRAND	RACE	VARIETY	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	PHYTOPHTHORA (REACTION)			YIELD (BU/AC)	
							RACE 1	RACE 3	RACE 4	84	82-84
FFR	S	13004	II	123	36	1	X	X	X	43	.
ROEBKE	S	R-200	II	124	35	1	R	S	S	43	.
-----	S	PLATTE	II	126	33	1	R	X	X	43	45
CURRY	X	CBS-295B (BL)	II	126	33	1	X	X	X	43	.
LINCOLN	X	LS7231	II	123	32	1	R	S	S	43	.
LAND O' LAKES	S	GO-43 (BL)	II	122	31	1	R	S	S	43	.
DIAMOND	X	D195B (BL)	II	123	31	1	R	M	M	44	48
MUSTANG	S	M-1225	II	123	29	1	X	X	X	44	.
S-BRAND	R	S-42	II	125	34	1	X	X	X	44	.
-----	S	CORSOY 79	II	121	35	1	R	R	S	44	47
FFR	S	10297	II	125	35	1	X	X	X	44	.
PRIDE	S	B242	II	128	33	1	M	M	M	44	49
HOFLER	X	ONYX	II	123	33	1	R	S	S	44	.
MUSTANG	X	M-1220A	II	124	32	1	X	X	X	45	.
NORTHRUP KING	X	S2596	II	125	29	1	S	S	S	45	49
PRO-SOY	S	7110 (BL)	II	125	31	1	X	X	X	45	.
LAND O' LAKES	X	GO-42 (BL)	II	129	35	1	S	S	S	45	.
HOFLER	X	RUBY	II	129	32	1	R	S	S	45	.
AGRI PRO	X	HP2530	II	125	32	1	R	S	X	46	.
CURRY	X	CBS-290B (BL)*	II	124	39	1	X	X	X	46	.
CURRY	S	CBS-280B (BL)*	II	128	32	1	X	X	X	46	.
SANDS	X	S01 229	II	128	32	1	S	S	S	46	.
DEKALB	S	CX283	II	126	32	1	S	S	S	46	.
STINE	R	2220 (BL)	II	126	31	1	M	S	S	46	.
LAND O' LAKES	X	L2212	II	124	31	1	R	S	S	46	.
HOFLER	S	JEWELL	II	123	32	1	R	R	R	47	.
LINCOLN	S	LS7225	II	129	34	1	S	S	S	49	.
MUSTANG	S	EXP-10	II	123	33	1	X	X	X	49	.
LAND O' LAKES	S	LL4303	II	125	35	1	R	S	S	50	50
SANDS	R	S01 248	II	126	32	1	S	S	S	51	.
PRO-SOY	X	710	II	124	32	1	X	X	X	42	.
MATURITY GROUP MEAN										40	46
MATURITY GROUP LSD (5%)										9	1
-----	M	FAYETTE	III	136	31	1**	S***	X	S	18	.
-----	S	HOBBIT	III	131	19	1	S	S	S	29	42
-----	X	ZANE	III	130	32	1	M	X	X	30	.
-----	X	WILLIAMS 79	III	133	36	1	R	R	S	32	.
-----	X	WILLIAMS 82	III	135	33	1	R	R	R	33	.
-----	S	PELLA	III	132	31	1	R	S	R	33	46
-----	X	WILL	III	132	28	1	S	S	S	34	43
-----	S	CUMBERLAND	III	133	31	1	S	S	S	35	.
-----	X	SPRITE	III	131	18	1	S	S	S	35	43
-----	X	MEAD	III	130	32	1	M	M	X	37	.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SE RESEARCH FARM (BERESFORD), SEEDED MAY 24, 1984.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1984)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	84	82-84
DEKALB	CX324	III	130	31	1	S	S	S	39	.
-----	HARPER	III	135	32	1	S	S	S	42	.
HOEGEMEYER	350	III	131	32	1	X	X	X	43	.
SANDS	S01 335	III	133	32	1	R	S	S	44	.
MCCURDY	375B	III	130	33	1	M	M	M	45	.
SANDS	S01 337	III	130	31	1	S	S	S	46	.
MATURITY GROUP MEAN									36	44
MATURITY GROUP LSD (5%)									8	NS

*BL = BLEND
 **1 = EXCELLENT, 5 = POOR
 ***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.
 #NS INDICATES THERE IS NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
ED CURRY FARM (ELK POINT), SEEDED MAY 31, 1983.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1983)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	83	81-83
ASGROW	A1937	I	113	31	1**	R***	S	S	34	43
ARROWHEAD	8155	I	113	29	1	R	X	X	37	.
-----	LAKOTA	I	111	35	1	R	S	S	37	.
-----	HODGSON 78	I	111	31	1	R	S	S	37	42
-----	HARDIN	I	113	32	1	R	S	S	37	.
ARROWHEAD	2188	I	111	30	1	X	X	X	37	.
-----	WEBER	I	112	32	1	S	S	S	39	40
CENEX	8212	I	115	34	1	R	S	S	40	.
HY-VIGOR	903 (BL)*	I	121	37	1	R	R	S	42	.
MATURITY GROUP MEAN									43	
MATURITY GROUP LSD (5%)										NS

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
ED CURRY FARM (ELK POINT), SEEDED MAY 31, 1983.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1983)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	83	81-83
-----	GNOME	II	126	18	1**	S***	X	S	31	41
ASGROW	A2943	II	127	27	1	R	S	S	34	.
AGRI PRO	AP240	II	124	29	1	R	S	S	35	.
HY-VIGOR	909 (BL)*	II	127	32	1	R	R	S	35	.
FONTANELLE	4545	II	126	32	1	X	X	X	36	.
DAIRYLAND	DSR232	II	123	34	1	S	S	S	37	.
DEKALB	CX283	II	127	31	1	S	S	S	37	.
MUSTANG	M-1220A	II	124	31	1	X	X	X	37	.
-----	ELGIN	II	125	28	1	S	S	S	38	.
SEXAUER	SRF 205	II	120	35	1	R	S	S	38	.
LATHAM	500	II	117	30	1	R	X	X	39	.
ASGROW	A2575	II	122	33	1	R	S	S	39	46
-----	NEBSOY	II	121	30	1	R	X	X	39	44
CURRY	CBS-302B (BL)	II	128	32	1	X	X	X	40	.
PRO-SOY	714	II	127	32	1	X	X	X	40	.
-----	CENTURY	II	125	29	1	R	S	M	40	46
DAIRYLAND	DSR227	II	127	37	1	S	S	S	40	43
-----	CORSOY 79	II	119	35	1	R	R	S	40	48
KRUGER	K2000	II	121	33	1	R	S	S	40	47
AGRI PRO	AP200	II	118	33	1	R	S	S	41	47
-----	BEESON 80	II	123	32	1	R	R	S	41	45
-----	BSR 201	II	122	32	1	R	S	M	41	46
LATHAM	551 (BL)	II	122	31	1	M	X	X	41	.
CURRY	CBS-301B (BL)	II	125	36	1	X	X	X	41	.
LAND O' LAKES	LL4303	II	122	30	1	R	S	S	42	46
CENEX	8017	II	117	34	1	R	S	S	42	.
-----	AMCOR	II	124	35	1	R	X	X	42	.
-----	WELLS II	II	118	32	1	R	R	S	43	45
DE SOY	750A (BL)	II	126	35	1	M	S	S	43	.
NORTHRUP KING	S2596	II	125	31	1	S	S	S	43	.
-----	PLATTE	II	125	37	1	R	X	X	44	.
STINE	2220 (BL)	II	122	31	1	M	S	S	44	.
PRIDE	B242	II	124	33	1	M	M	M	44	.
-----	HARCOR	II	119	36	1	R	S	S	44	47
ARROWHEAD	2244	II	122	30	1	M	X	X	45	.
DIAMOND	TC 204A	II	128	31	1	S	S	S	45	.
SANDS	S01 226	II	122	32	1	S	S	S	47	.
LATHAM	650	II	125	31	1	S	X	X	47	.
CURRY	CBS-290B (BL)	II	120	35	1	X	X	X	48	.

MATURITY GROUP MEAN
MATURITY GROUP LSD (5%)

42 46
NS 2

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
ED CURRY FARM (ELK POINT), SEEDED MAY 31, 1983.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1983)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	83	81-83
-----	WILLIAMS 82	III	132	31	1**	R***	R	R	28	.
-----	SPRITE	III	130	16	1	S	S	S	28	42
-----	WILL	III	129	27	1	S	S	S	29	42
-----	WILLIAMS 79	III	132	31	1	R	R	S	30	43
-----	HARPER	III	131	28	1	S	S	S	31	.
-----	HOBBIT	III	129	17	1	S	S	S	32	43
-----	CUMBERLAND	III	131	32	1	S	S	S	35	45
-----	MEAD	III	129	26	1	M	M	X	36	48
-----	PELLA	III	130	30	1	R	S	R	36	47
-----	ZANE	III	130	28	1	M	X	X	37	.
MCCURDY	375B	III	130	33	1	M	M	M	37	.
DEKALB	CX324	III	130	30	1	S	S	S	37	.
MATURITY GROUP MEAN									34	44
MATURITY GROUP LSD (5%)									4	1

*BL = BLEND

**1 = EXCELLENT, 5 = POOR

***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.

#NS INDICATES THERE IS NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

ADDITIONAL VARIETY COMMENTS

Century: Slow emergence, fair resistance to iron chlorosis, adapted to Southeastern counties.

Corsoy 79: Susceptible to lodging and highly susceptible to iron chlorosis; best adapted to the James River Valley, East Central, and Southeastern counties.

Elgin: Slow emergence, fair iron chlorosis resistance, adapted to East central and Southeastern counties.

Evans: Quick emergence, moderately susceptible to iron chlorosis, best adapted to Northeastern and East Central counties.

Harcor: Susceptible to iron chlorosis, prone to shattering, best adapted to the James River Valley, East central, and Southeastern counties.

Hardin: Moderately susceptible to iron chlorosis, good shattering resistance, best adapted to Northeastern and East Central counties.

Hodgson 78: Slow emergence, fair resistance to iron chlorosis, best adapted to Northeastern and East Central counties.

Lakota: Susceptible to lodging, good resistance to iron chlorosis and shattering, best adapted to Northeastern and East Central counties.

Mead: Highly susceptible to iron chlorosis, slow emergence, prone to shattering, best adapted to Southeastern counties.

Nebsoy: Good emergence, moderately susceptible to shattering, high susceptibility to iron chlorosis, adapted to East central and Southeastern counties.

Pella: Moderately susceptible to iron chlorosis, good shattering resistance, adapted to extreme Southeastern counties.

Swift: Moderately susceptible to shattering, best adapted to Northeastern and East Central counties.

Simpson: Quick emergence, moderately susceptible to iron chlorosis, best adapted to Northeastern and East Central counties.

Weber: Good shattering resistance, fair resistance to iron chlorosis, best adapted to Northeastern and East Central counties.

Wells II: Slow emergence, moderately susceptible to iron chlorosis, prone to shattering, best adapted to upper James River Valley, East Central and Northeastern counties.

