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1988 Variety Recommendations : Soybeans

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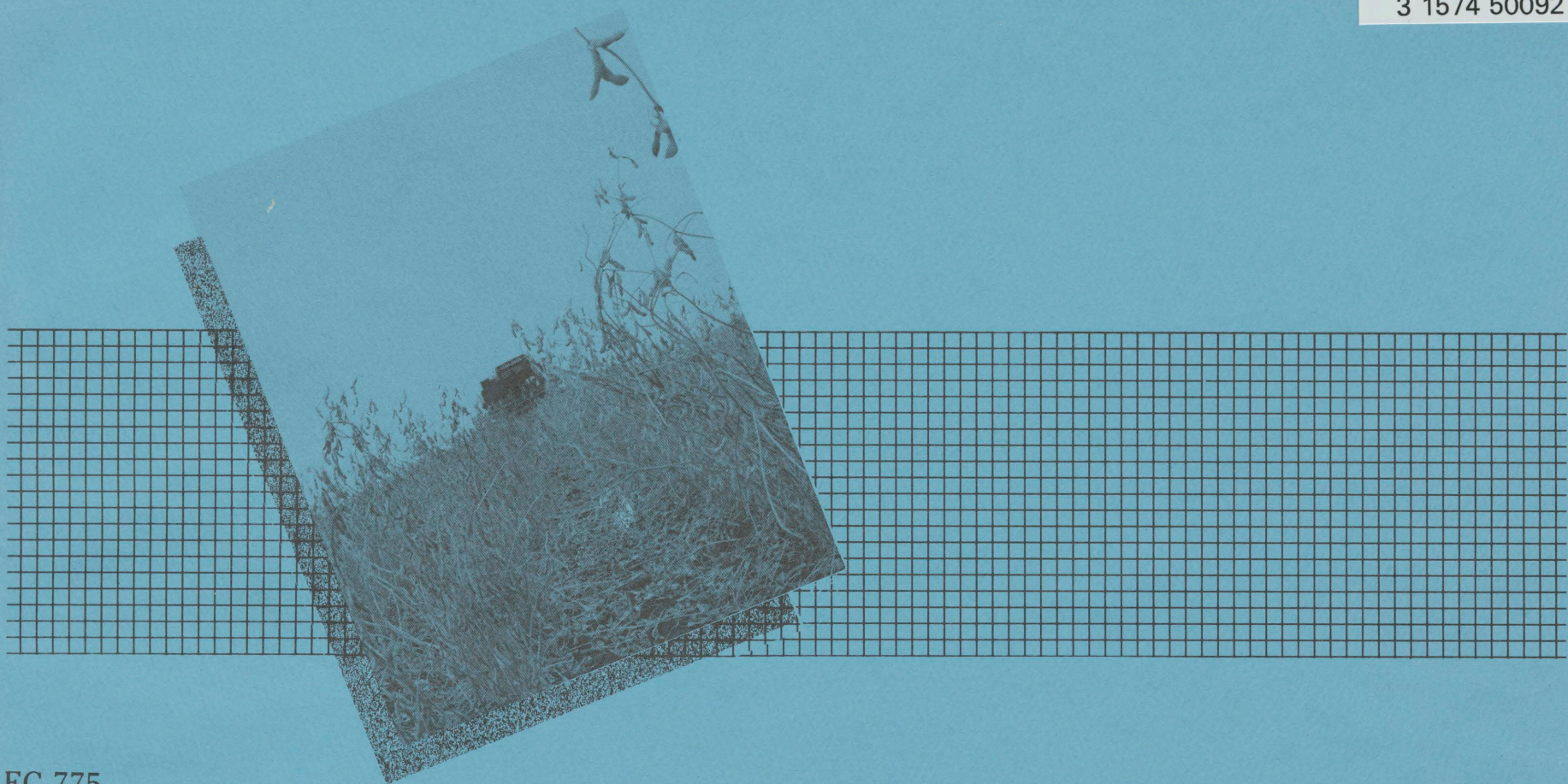
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EC 775

1988 variety recommendations (1987 crop performance results)

soybeans

Cooperative Extension Service • South Dakota State University • U.S. Department of Agriculture

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SOYBEAN VARIETY RECOMMENDATIONS

These recommendations are based on data and information obtained from the South Dakota Crop Performance Testing Program and regional nurseries maintained by other land-grant colleges in the Midwest. Variety performance is dependent on genetics and environment. Environmental factors such as temperature, moisture, plant pests, soil fertility, soil type, and the farmer's management practices influence variety performance. Farmers should note that the performance of recommended varieties in response to environmental conditions is generally better than the performance of other varieties. However, the better performance of the recommended variety cannot be guaranteed due to complex variety-by-environmental interactions.

Phytophthora root rot has become an important soybean disease in South Dakota. The disease can be controlled by the use of resistant varieties. However, the resistance to Phytophthora root rot is fungus-race specific. This means that resistance to one race does

not necessarily give resistance to another race of a different number. It also means that you must have some knowledge of the races of fungus found in your area. Results of a Phytophthora survey done by a Plant Science Department plant pathologist in 1986 indicated the primary race found in South Dakota is race 3. However about 20% of the fungus samples identified were race 4. This means that the fungus is shifting from race 3 to race 4. Therefore, varieties that are resistant to race 3 will experience problems with Phytophthora as race 4 develops. The resistance to Phytophthora is indicated in each table.

An alternative method of control is the use of "tolerant" varieties. Tolerant varieties are not resistant in the seedling stage. They must be protected by a Phytophthora specific fungicide (such as metalxyl). As of yet, we have no information as to which varieties, adapted for this region, have field tolerance.

<u>Recommended</u>	<u>Acceptable/Promising</u>
Variety (R1,R3,R4 reaction)*	Variety (R1,R3,R4 reaction)

Maturity Group - 0

Dassel (R,S,S) *	A'Head 8450 (R,X,X)
Dawson (R,X,S)	Evans (R,X,S)
Simpson (R,X,X)	Ozzie (R,X,S)
	SOI 059 (R,S,S)
	Swift (S,S,S)

Maturity Group - I

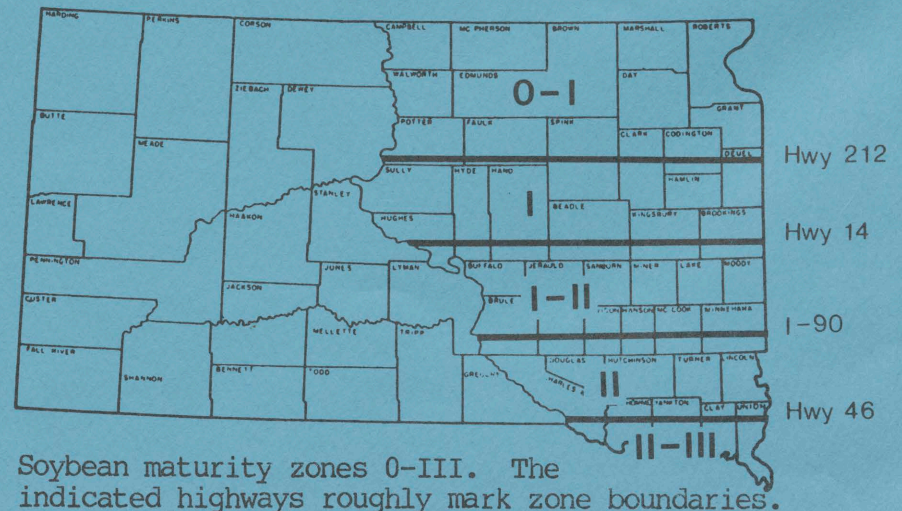
Hardin (R,S,S)	A'Head 8650 (R,M,X)
Sibley (R,R,R) **	Asgrow A1937 (R,S,S)
Pride B152 (R,R,S)	Hoegemeyer 150 (R,X,X)
Weber 84 (R,S,S)	Mustang M-1120A (R,X,X)
	NK S 15-50 (R,R,S)
	Seedtec 630 (R,R,X)
	SOI 136 (R,S,S)
	SOI 142 (R,S,S)
	Weber (S,S,S)

Maturity Group - II

Century 84 (R,R,R) **	Elgin (S,S,S)
Corsoy 79 (R,R,S)	Hack (R,S,R)
Jewell (R,R,R) **	Mustang M-1220A (X,X,X)
	NK S 23-03 (S,S,S)
	Preston (R,S,S)
	SOI 226 (S,S,S)

Maturity Group - III varieties are not recommended.

- * Reaction of the variety to race 1 (R1), race 3 (R3), and race 4 (R4) of the Phytophthora root rot (PRR) disease. R = resistant, M = Mixed, S = susceptible, X = data not available.
- ** If a field has PRR and the specific race(s) involved is unknown, these varieties are suggested.



1987 SOUTH DAKOTA VARIETY CHARACTERISTICS
AND YIELD DATA - SOYBEANS

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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 maturity zone to another. Maturity zones (see map) are based on day length. Soybean varieties are recommended on the basis of growing season, average rainfall, disease frequency, and farming practices that are common to a given maturity zone.

It is important to note 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.

Note that for some maturity zones, 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 a zone 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 maturity zone resemble those in another zone. 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.

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Certified seed is the **best source of seed** and the only way in which farmers can be assured of the genetic purity of the variety purchased. In addition, inoculation of seed with the appropriate nitrogen-fixing bacterium is a good fundamental practice. Inoculation is generally needed if soybeans are seeded in soils not previously cropped with soybeans. On soils previously cropped to soybeans there is no guarantee that beneficial bacteria will be present to naturally inoculate planted seed. Therefore, 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 South Dakota Crop Performance Testing Program. One-year yields for varieties tested are included for each test location. In addition, 3-year averages are also included where varieties have been tested for 3 or more years. All yields, averages, and LSD values located at the bottom of each location are rounded off to the nearest whole number or bushel per acre. The LSD value can be used to evaluate whether the yielding potential differs among the various varieties.

The LSD refers to the **least significant difference** or, simply, the smallest difference in yield between two varieties that will enable us to say one variety is better than another. The LSD value can also be used to determine the top yielding group for each location. To do so, identify the top yielding variety at each location, using either the 1- or 3-year averages, and subtract the appropriate LSD value from the top varietal average. All varietal averages that are greater than this value (highest yielding average - LSD) are in the top yielding group. For example,

numerically the top yielding Group zero (0) variety at Wilmot for last year was 8011 with an average yield of 45 bu/A. If six (6) bu/A (the LSD value) is subtracted from 45 a value of 39 is obtained. Therefore, all varieties listed in that column which have a yield of more than 39 bushels are in the top yielding group relative to the top yielder, 8011. Likewise, any variety that yields 39 bushels or less is not in the top yielding group.

In some cases, an LSD value is not given and the designation NS (non-significant) is indicated. This means that variety differences could not be determined. Therefore, all the varieties have a similar yielding potential at the location and 1- or 3-year time period under consideration. In such cases, all varieties could be considered to be in the top yielding group.

The more information and test locations that one has in regard to a given variety the better. Yield comparisons should be made on only 3-year averages or on only 1-year averages. You should not compare a 1-year average of a variety at one location with a 3-year average of that variety at another location. Comparisons in yielding potential among varieties are best done by using 3-year averages.

The Variety Recommendations Committee consists of the Plant Science Department Head; Extension agronomists and plant pathologists; plant breeders; research agronomists and plant pathologists; and representatives from the State Seed Laboratory, Seed Certification Service, and the Foundation Seed Stocks Division.

The efforts of K.K. Kirby and L. Elder at Brookings in obtaining the soybean data and the comments regarding *Phytophthora* root rot races and race resistance and tolerance by Dr. M. Ferguson are gratefully acknowledged.

GENERAL TEST PROCEDURES

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

Test Procedures: Standard 30-inch row spacings are used at all locations. Adjustments in seeding rates, on a pure-live-seed basis, are made to attain a final population of 150,000 plants per acre for all varieties and locations. All test plots consist of 2-row plots, 13 feet long, with four replications. Varieties are inoculated and a granular herbicide is banded over the row behind the press wheel. Additional herbicides and fertilization are dependent on each farm cooperator. **NOTE:** Rains and flooding prevented yield trials of groups I and III soybeans at Elk Point in 1985, therefore no 3-year averages are reported for that location. The dryland test at Redfield was initiated in 1986 so only 1-year averages are reported. **Severe root rot diseases were evident in both the dryland and irrigated trials at Redfield in 1986, so only three replicates were harvested.**

SDSU SOYBEAN TRAITS EVALUATED--ALL ENTRIES

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

Maturity: Entries are considered mature when 95% of the pods have turned brown.

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

Lodging Score: Scores at maturity are 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 is 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--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 (Rosemount - Group 0, Waseca - Group I and II, and Lamberton - Group III, 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 emerge 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.

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

TABLE 1. SOME CHARACTERISTICS OF THE PUBLIC SOYBEAN VARIETIES INCLUDED IN THE SOUTH DAKOTA CROP PERFORMANCE TESTS (DATA OBTAINED FROM THE UNIFORM SOYBEAN TESTS - NORTHERN STATES)

VARIETY	--MATURITY--		-----SCORE-----			VARIETY	--MATURITY--		-----SCORE-----		
	DAYS	GROUP	EMER- GENCE	SHATTER- ING	IRON CHLOROSIS		DAYS	GROUP	EMER- GENCE	SHATTER- ING	IRON CHLOROSIS
McCall	-24	00	1	1	2.8	Platte	+ 2	II	5	2	4.0
Ozzie	-15	0	5	1	2.6	Preston	+ 2	II	2	-	4.0
Evans	-14	0	1	2	2.8	Hoyt**	+ 3	II	2	1	4.0
Dawson	-12	0	1	1	1.6	Nebsoy	+ 3	II	1	3	4.0
Swift	-12	0	2	3	2.7	Beeson 80	+ 5	II	5	2	1.0
Simpson	-11	0	1	2	2.8	Century	+ 5	II	4	2	2.5
Glenwood	-11	0	2	1	3.0	Ancor	+ 6	II	1	3	4.0
Dassel	- 9	0	3	1	3.5	Gnome**	+ 7	II	1	1	3.6
Hodgson 78	- 6	I	5	2	2.4	Fremont	+ 8	III	3	1	3.0
Sibley	- 6	I	2	1	4.0	Zane	+ 9	III	5	2	4.4
Hardin	- 3	I	1	1	3.8	Logan	+10	III	5	1	4.0
Lakota	- 3	I	2	1	1.2	Will	+10	III	5	1	4.0
BSR 101	- 2	I	1	2	3.2	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	Winchester	+12	III	1	1	4.2
Corsoy 79	0	II	1	2	4.4	Williams 82	+12	III	2	1	4.2
Elgin 87	0	II	5	1	4.0	Cumberland	+13	III	4	1	4.5
Elgin	0	II	5	2	2.2	Sherman	+13	III	5	2	3.5
BSR 201	+ 1	II	3	2	4.8	Harper	+14	III	5	1	4.2
Wells II	+ 1	II	4	3	3.8	Harper 87	+14	III	5	1	4.0
Hack	+ 1	II	5	1	4.0	Chamberlain	+14	III	2	1	1.5
Miami	+ 1	II	1	3	3.6	Sparks	+15	IV	3	2	---
Century 84	+ 2	II	5	2	4.6						
Harcor	+ 2	II	1	3	5.0						

*See description of evaluation methods.

**Indicates a semidwarf variety.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
ROBERT QUADE FARM (WILMOT), SEEDED JUNE 3, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
SEEDTEC	390	0	105	39	1**	X***	T	X	30	.
-----	DASSEL	0	105	33	1	R	S	S	31	39
-----	MC CALL	CK* 00	99	41	1	S	X	S	32	35
INTERSTATE	IS545	0	107	37	1	S	S	S	34	.
NORTHRUP KING	S 06-57	0	108	42	1	R	R	S	34	.
PRIDE	B095	0	110	51	1	S	S	S	35	41
-----	SWIFT	0	109	44	2	S	S	S	35	40
-----	EVANS	CK	106	42	1	R	X	S	35	39
STINE	0560	0	109	43	1	R	S	S	35	.
SIGCO	80	0	110	41	1	R	X	X	36	.
-----	OZZIE	0	104	39	1	R	X	S	36	38
DEKALB	CX096	0	108	40	1	R	X	X	38	.
NORTHRUP KING	S 09-90	0	110	46	1	R	S	S	38	.
ARROWHEAD	8450	0	110	43	1	R	X	X	38	42
MIDWEST OILSEEDS	EX0980	0	111	33	1	X	X	X	38	.
-----	DAWSON	0	107	40	1	R	X	S	39	42
MUSTANG	M-1000	0	109	40	1	R	X	X	39	42
ASGROW	A0949	0	108	46	1	R	R	S	40	.
INTERSTATE	IS546	0	111	44	1	R	S	S	40	.
-----	WEBER	84 CK	114	47	2	R	S	S	40	43
-----	SIMPSON	0	109	40	1	R	X	X	41	40
HOFLER	GARNET	0	110	41	1	R	S	S	41	.
-----	WEBER	1	114	43	2	S	S	S	43	44
PIONEER	9091	0	109	37	1	S	X	X	44	.
-----	GLENWOOD	0	108	42	1	R	X	S	44	.
GARST	8011	0	111	39	1	X	X	X	45	.
Maturity Group Mean									38	41
Maturity Group LSD (5%)									6	NS#

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

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
ROBERT QUADE FARM (WILMOT), SEEDED JUNE 3, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	CORSOY 79	CK*	116	50	1**	R***	R	S	32	38
-----	BSR 101	I	115	41	1	R	S	S	32	36
ARROWHEAD BRAND	8650	I	114	44	1	R	M	X	33	40
AGRI PRO	AP120	I	110	40	1	R	S	S	34	.
AGRI PRO	EX1650	I	113	42	1	R	S	S	34	.
-----	HODGSON 78	I	112	40	1	R	S	S	34	38
-----	EVANS	CK	104	42	1	R	X	S	36	.
ARROWHEAD BRAND	8600	I	113	42	1	S	M	X	36	.
HOFLER	SAPPHIRE	I	113	40	1	R	R	S	36	.
-----	WEBER 84	CK	115	44	1	R	S	S	36	39
HOFLER	JADE	I	114	42	1	R	S	S	36	.
SEEDTEC	620B (BL)	I	114	48	1	R	R	X	37	40
MUSTANG	M-1180A (BL)	I	114	48	1	S	S	S	37	.
AGRI PRO	AP1776	I	113	38	1	R	S	S	37	.
-----	LAKOTA	I	113	46	2	R	S	S	38	42
-----	SIBLEY	I	112	41	1	R	R	R	38	41
-----	WEBER	I	114	45	1	S	S	S	38	42
MUSTANG	M-1150	I	112	42	1	X	X	X	38	.
-----	HARDIN	I	113	48	1	R	S	S	39	40
PRIDE	B117	I	111	44	1	S	S	S	39	.
SANDS	SOI 142	I	112	41	1	R	S	S	40	43
INTERSTATE	IS715	I	113	42	1	R	S	S	41	.
Maturity Group Mean									36	40
Maturity Group LSD (5%)									4	NS#

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

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YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
ROBERT QUADE FARM (WILMOT), SEEDED JUNE 3, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	AMCOR	II	117	55	1**	R***	X	X	31	.
-----	BEESON 80	II	116	41	1	R	R	S	31	.
-----	PLATTE	II	116	45	1	R	X	X	31	35
-----	MIAMI	II	115	48	1	R	R	R	31	33
-----	NEBSOY	II	117	42	1	R	X	X	32	34
HY-VIGOR	EX K-1048	II	112	43	1	R	X	X	33	.
-----	WELLS II	II	115	48	1	R	R	S	33	36
GARST	8201	II	113	46	1	X	X	X	34	.
-----	CENTURY 84	II	117	40	1	R	R	R	35	.
GARST	8204	II	122	44	1	X	X	X	35	.
-----	HARCOR	II	115	52	1	R	S	S	35	38
-----	CORSOY 79 CK*	II	114	52	1	R	R	S	35	37
-----	WEBER 84 CK	I	113	48	1	R	S	S	35	39
-----	WEBER	I	111	44	1	S	S	S	36	.
-----	HACK	II	116	42	1	R	S	R	36	.
-----	MEAD CK	III	121	39	1	M	M	X	36	.
-----	PRESTON	II	117	42	1	R	S	S	36	.
HOFLER	JEWELL	II	115	42	1	R	R	R	37	.
HOFLER	GEM	II	116	45	1	S	S	S	37	.
-----	BSR 201	II	116	42	1	R	S	S	37	.
-----	ELGIN	II	117	39	1	S	S	S	37	41
-----	ELGIN 87	II	115	39	1	R	S	S	38	.
-----	HOYT S-D	II	116	36	1	R	S	S	38	.
HOFLER	GEM II	II	118	42	1	R	R	R	41	.
-----									35	36
MATURITY GROUP MEAN									4	NS#
MATURITY GROUP LSD (5%)										

*BL = BLEND, CK = CHECK VARIETY. **1 = EXCELLENT, 5 = POOR.

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

#NS INDICATES THERE ARE NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

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YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
NORTHEAST RESEARCH FARM (WATERTOWN), SEEDED MAY 19, 1987.

-----BRAND-----	--VARIETY--	Maturity GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)		
						RACE 1	RACE 3	RACE 4	87	85-87	
-----	MC CALL	CK*	00	108	33	1**	S***	X	S	30	.
-----	EVANS	CK	0	119	37	1	R	X	S	36	.
ARROWHEAD	8450		0	126	35	1	R	X	X	38	.
-----	OZZIE		0	118	33	1	R	X	S	39	.
-----	SIMPSON		0	123	33	1	R	X	X	39	.
HOFLER	GARNET		0	125	38	1	R	S	S	40	.
INTERSTATE	IS545		0	122	33	2	S	S	S	40	.
-----	DASSEL		0	123	33	1	R	S	S	40	.
TERRA	EXP. 085		0	125	38	1	R	X	X	41	.
NORTHRUP KING	S 06-57		0	122	36	2	R	R	S	41	.
LINCOLN	LS7008		0	124	39	1	X	X	X	42	.
NORTHRUP KING	S 09-90		0	124	36	2	R	S	S	43	.
-----	DAWSON		0	123	36	1	R	X	S	44	.
MUSTANG	M-1000		0	125	39	1	R	X	X	44	.
-----	SWIFT		0	123	43	2	S	S	S	45	.
-----	GLENWOOD		0	121	38	1	R	X	S	45	.
PRIDE	B095		0	125	46	1	S	S	S	46	.
PIONEER	9091		0	124	32	1	S	X	X	48	.
GARST	8011		0	125	37	2	X	X	X	48	.
-----	WEBER		1	128	35	2	S	S	S	48	.
-----	WEBER 84	CK	1	129	44	2	R	S	S	51	.
-----										42	.
MATURITY GROUP MEAN										5	.
MATURITY GROUP LSD (5%)											

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

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
NORTHEAST RESEARCH FARM (WATERTOWN), SEEDED MAY 19, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	EVANS CK*	0	117	34	1**	R***	X	S	32	.
AGRIPRO	AP120	I	121	35	1	R	S	S	32	.
HY-VIGOR	EX ROW99	I	126	42	1	R	X	X	33	.
TERRA	RUNNER III	I	126	36	1	S	X	X	34	.
-----	BSR 101	I	129	43	1	R	S	S	34	.
SRF	EXP 31387	I	127	39	1	R	R	S	35	.
-----	LAKOTA	I	126	39	2	R	S	S	35	.
SANDS	SOI 166	I	126	37	1	S	S	S	35	.
MUSTANG	M-1120A	I	124	38	1	R	X	X	35	.
HOFLER	JADE	I	126	38	1	R	S	S	36	.
HY-VIGOR	ROCKER 9 (BL)	I	126	42	1	R	X	X	36	.
-----	WEBER	I	126	37	2	S	S	S	36	.
PRIDE	B117	I	124	42	1	S	S	S	36	.
INTERSTATE	IS715	I	125	34	1	R	S	S	36	.
PRAIRIE BRAND	PB171	I	125	40	1	S	S	S	36	.
-----	WEBER 84 CK	I	127	43	2	R	S	S	36	.
ARROWHEAD BRAND	8600	I	126	41	1	S	M	X	36	.
-----	SIBLEY	I	123	39	2	R	R	R	36	.
SEEDTEC	630	I	127	39	2	R	R	X	37	.
SEXAUER	80-61830	I	129	42	2	R	X	X	37	.
INTERSTATE	IS622	I	127	40	1	S	S	S	37	.
-----	HODGSON 78	I	123	40	2	R	S	S	37	.
MUSTANG	M-1180A (BL)	I	127	39	2	S	S	S	37	.
SANDS	SOI 142	I	125	41	1	R	S	S	37	.
HOFLER	SAPPHIRE	I	126	36	1	R	R	S	37	.
-----									37	.
MATURITY GROUP MEAN									37	.
MATURITY GROUP LSD (5%)									6	.

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NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

(CONTINUED)

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
NORTHEAST RESEARCH FARM (WATERTOWN), SEEDED MAY 19, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
ARROWHEAD BRAND	8550	I	126	39	1**	R***	M	X	38	.
SEEDTEC	620B (BL)*	I	125	40	2	R	R	X	38	.
-----	HARDIN	I	125	40	2	R	S	S	38	.
PRAIRIE BRAND	PB142	I	128	42	2	R	S	S	39	.
AGRIPRO	AP1776	I	126	40	1	R	S	S	39	.
MUSTANG	M-1150	I	127	38	2	X	X	X	40	.
-----	CORSOY 79	CK	130	42	2	R	R	S	40	.
GARST	8101	I	128	42	2	X	X	X	40	.
DEKALB	CX117	I	122	34	1	X	X	X	41	.
STINE	1820	I	126	36	1	S	S	S	43	.
LINCOLN	EX LS7122	I	129	43	2	R	X	X	45	.
Maturity Group Mean									37	.
Maturity Group LSD (5%)									6	.

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YIELDS AND CHARACTERISTICS OF DRYLAND SOYBEAN VARIETIES AT THE JAMES VALLEY RESEARCH FARM (REDFIELD), SEEDED MAY 18, 1987.

-----BRAND-----	--VARIETY--	Maturity Group	DAYS TO Maturity (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)		
						RACE 1	RACE 3	RACE 4	87	85-87	
-----	MC CALL	CK*	00	105	31	1**	S***	X	S	19	.
-----	SWIFT		0	114	38	1	S	S	S	25	.
-----	DAWSON		0	112	33	1	R	X	S	31	.
-----	OZZIE		0	110	35	1	R	X	S	31	.
-----	EVANS	CK	0	111	37	1	R	X	S	33	.
-----	DASSEL		0	114	33	1	R	S	S	33	.
INTERSTATE	IS545		0	110	38	1	S	S	S	34	.
-----	SIMPSON		0	115	35	1	R	X	X	35	.
GARST	8011		0	122	37	1	X	X	X	36	.
SIGCO	80		0	120	40	1	R	X	X	36	.
-----	GLENWOOD		0	114	36	1	R	X	S	36	.
HOFLER	GARNET		0	118	38	1	R	S	S	36	.
SANDS	SOI 059		0	118	40	1	R	S	S	37	.
ARROWHEAD	8450		0	118	40	1	R	X	X	38	.
TERRA	EXP. 085		0	117	41	1	R	X	X	38	.
INTERSTATE	IS546		0	118	43	1	R	S	S	41	.
-----	WEBER 84	CK	1	124	44	2	R	S	S	41	.
-----	WEBER		1	124	37	2	S	S	S	43	.

MATURITY GROUP MEAN										35	.
MATURITY GROUP LSD (5%)										6	.

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YIELDS AND CHARACTERISTICS OF DRYLAND SOYBEAN VARIETIES AT THE JAMES VALLEY RESEARCH FARM (REDFIELD), SEEDED MAY 18, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	EVANS CK*	0	111	38	1**	R***	X	S	28	.
-----	HARDIN	I	123	45	3	R	S	S	34	.
NORTHRUP KING	S 15-50	I	126	46	1	R	R	S	35	.
PRIDE	B152	I	123	40	1	R	R	S	36	.
GARST	8101	I	123	45	1	X	X	X	36	.
SEEDTEC	620B (BL)	I	123	40	2	R	R	X	36	.
ARROWHEAD BRAND	8650	I	126	42	2	R	M	X	36	.
PRIDE	B117	I	125	38	2	S	S	S	37	.
-----	BSR 101	I	128	46	1	R	S	S	37	.
-----	HODGSON 78	I	121	41	2	R	S	S	37	.
HOFLER	JADE	I	124	40	1	R	S	S	37	.
-----	CORSOY 79 CK	I I	127	46	1	R	R	S	37	.
PRAIRIE BRAND	EX 1080	I	129	41	2	X	X	X	38	.
-----	WEBER 84 CK	I	125	45	2	R	S	S	38	.
-----	LAKOTA	I	122	45	2	R	S	S	39	.
TERRA	RUNNER III	I	125	40	1	S	X	X	39	.
TERRA	RUNNER	I	128	42	1	R	X	X	39	.
SANDS	SOI 136	I	127	48	1	R	S	S	39	.
-----	SIBLEY	I	122	44	1	R	R	R	40	.
AGRI PRO	AP1776	I	124	41	1	R	S	S	40	.
PRAIRIE BRAND	PB142	I	128	44	2	R	S	S	41	.
DEKALB	CX187	I	125	39	1	X	X	X	41	.
-----	WEBER	I	122	37	2	S	S	S	41	.
ARROWHEAD BRAND	8600	I	125	41	1	S	M	X	41	.
NORTHRUP KING	S 14-60	I	125	38	1	S	S	S	42	.
INTERSTATE	IS715	I	124	42	1	R	S	S	42	.
HY-VIGOR	EX ROW99	I	125	39	1	R	X	X	42	.
SANDS	SOI 166	I	125	41	1	S	S	S	43	.
HOFLER	SAPPHIRE	I	125	38	1	R	R	S	43	.
PRAIRIE BRAND	PB171	I	125	42	1	S	S	S	44	.
TERRA	EXP. 180	I	125	40	1	S	X	X	47	.
Maturity Group Mean									39	.
Maturity Group LSD (5%)									7	.

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YIELDS AND CHARACTERISTICS OF DRYLAND SOYBEAN VARIETIES AT THE JAMES VALLEY RESEARCH FARM (REDFIELD), SEEDED MAY 18, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	HARCOR	II	129	49	1**	R***	S	S	32	.
-----	AMCOR	II	132	55	1	R	X	X	33	.
-----	CORSOY 79	CK*	129	47	1	R	R	S	35	.
-----	MIAMI	II	130	46	1	R	R	R	35	.
GARST	8201	II	128	47	1	X	X	X	36	.
-----	PLATTE	II	133	44	1	R	X	X	36	.
-----	WELLS II	II	130	45	1	R	R	S	37	.
-----	BEESON 80	II	134	47	1	R	R	S	40	.
-----	PRESTON	II	132	45	1	R	S	S	42	.
HOFLER	JEWELL	II	132	45	1	R	R	R	42	.
-----	WEBER 84	CK	128	47	1	R	S	S	44	.
STINE	2810	II	130	47	1	S	S	S	44	.
-----	NEBSOY	II	132	43	1	R	X	X	44	.
PRIDE	B203	II	130	45	1	R	R	S	45	.
HOFLER	GEM	II	131	48	1	S	S	S	45	.
HOFLER	GEM II	II	133	43	1	R	R	R	45	.
GARST	8204	II	138	49	1	X	X	X	46	.
-----	CENTURY 84	II	133	42	1	R	R	R	47	.
-----	ELGIN	II	131	42	1	S	S	S	47	.
PRIDE	X720	II	129	38	1	R	R	R	47	.
-----	ELGIN 87	II	131	43	1	R	S	S	47	.
-----	HACK	II	132	42	1	R	S	R	48	.
-----	WEBER	I	127	44	1	S	S	S	48	.
-----	MEAD CK	III	138	47	1	M	M	X	50	.
-----	BSR 201	II	133	43	1	R	S	S	50	.
-----	HOYT S-D	II	132	35	1	R	S	S	51	.
Maturity Group Mean									43	.
Maturity Group LSD (5%)									7	.

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NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF IRRIGATED SOYBEAN VARIETIES AT THE JAMES VALLEY RESEARCH FARM (REDFIELD), SEEDED MAY 18, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	MC CALL	CK* 00	108	34	2**	S***	X	S	25	.
-----	DAWSON	0	115	39	2	R	X	S	34	31
-----	SWIFT	0	119	42	3	S	S	S	34	34
INTERSTATE	IS545	0	121	37	3	S	S	S	35	.
-----	OZZIE	0	113	38	1	R	X	S	35	35
-----	EVANS	CK 0	115	39	2	R	X	S	36	36
-----	SIMPSON	0	118	39	1	R	X	X	37	32
TERRA	EXP. 085	0	122	45	1	R	X	X	41	.
ARROWHEAD	8450	0	123	46	2	R	X	X	41	.
SANDS	SOI 059	0	123	43	1	R	S	S	41	45
INTERSTATE	IS546	0	124	46	2	R	S	S	43	.
HOFLER	GARNET	0	124	45	1	R	S	S	43	.
GARST	8011	0	127	43	3	X	X	X	44	.
-----	DASSEL	0	119	42	1	R	S	S	44	41
-----	GLENWOOD	0	117	40	2	R	X	S	44	.
SIGCO	80	0	123	48	2	R	X	X	46	49
-----	WEBER	1	127	46	2	S	S	S	47	.
-----	WEBER 84	CK 1	128	52	3	R	S	S	49	41
Maturity Group Mean									40	38
Maturity Group LSD (5%)									8	NS#

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YIELDS AND CHARACTERISTICS OF IRRIGATED SOYBEAN VARIETIES AT THE JAMES VALLEY RESEARCH FARM (REDFIELD), SEEDED MAY 18, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	EVANS CK*	0	116	41	2**	R***	X	S	36	.
GARST	8101	I	122	52	1	X	X	X	37	.
-----	BSR 101	I	125	49	1	R	S	S	40	.
-----	HODGSON 78	I	121	46	3	R	S	S	42	34
TERRA	RUNNER	I	124	53	2	R	X	X	43	.
ARROWHEAD BRAND	8650	I	125	48	2	R	M	X	43	36
SEEDTEC	620B (BL)	I	123	54	2	R	R	X	43	.
-----	SIBLEY	I	120	46	2	R	R	R	44	36
PRIDE	B152	I	122	45	1	R	R	S	44	44
-----	HARDIN	I	122	48	2	R	S	S	44	36
ARROWHEAD BRAND	8600	I	123	44	1	S	M	X	44	.
INTERSTATE	IS715	I	122	41	2	R	S	S	44	.
NORTHRUP KING	S 15-50	I	123	55	1	R	R	S	44	.
SANDS	SOI 136	I	124	50	2	R	S	S	44	.
PRIDE	B117	I	121	44	2	S	S	S	45	.
-----	WEBER 84 CK	I	123	51	2	R	S	S	45	37
AGRI PRO	AP1776	I	122	48	1	R	S	S	45	.
-----	WEBER	I	122	47	3	S	S	S	45	38
TERRA	EXP. 180	I	122	44	1	S	X	X	45	.
-----	CORSOY 79 CK	II	124	54	2	R	R	S	45	35
DEKALB	CX187	I	123	45	1	X	X	X	45	.
HOFLER	SAPPHIRE	I	123	44	1	R	R	S	46	.
PRAIRIE BRAND	PB171	I	124	47	1	S	S	S	46	.
-----	LAKOTA	I	122	48	3	R	S	S	46	36
PRAIRIE BRAND	PB142	I	125	50	2	R	S	S	47	.
SANDS	SOI 166	I	122	44	1	S	S	S	47	.
HOFLER	JADE	I	122	47	2	R	S	S	47	.
PRAIRIE BRAND	EX 1080	I	127	49	2	X	X	X	47	.
HY-VIGOR	EX ROW99	I	123	45	1	R	X	X	47	.
TERRA	RUNNER III	I	123	45	1	S	X	X	49	.
NORTHRUP KING	S 14-60	I	122	46	1	S	S	S	53	50
Maturity Group Mean									45	39
Maturity Group LSD (5%)									5	NS#

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YIELDS AND CHARACTERISTICS OF IRRIGATED SOYBEAN VARIETIES AT THE JAMES VALLEY RESEARCH FARM (REDFIELD), SEEDED MAY 18, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	NEBSOY	II	136	48	2**	R***	X	X	37	36
-----	WELLS II	II	134	52	1	R	R	S	38	34
GARST	8204	II	144	50	2	X	X	X	38	.
GARST	8201	II	130	46	1	X	X	X	39	.
-----	PRESTON	II	134	49	2	R	S	S	39	33
-----	BEESON 80	II	137	46	2	R	R	S	39	.
-----	MIAMI	II	133	50	2	R	R	R	40	42
-----	CORSOY 79 CK*	II	131	51	2	R	R	S	40	35
-----	PLATTE	II	137	49	1	R	X	X	40	29
-----	AMCOR	II	136	58	2	R	X	X	41	.
-----	HARCOR	II	133	53	3	R	S	S	41	35
-----	WEBER 84 CK	I	130	47	2	R	S	S	43	36
PRIDE	X720	II	133	43	1	R	R	R	43	.
PRIDE	B203	II	134	46	2	R	R	S	43	47
STINE	2810	II	133	46	2	S	S	S	45	.
HOFLER	GEM	II	134	44	2	S	S	S	45	.
-----	WEBER	I	128	47	2	S	S	S	45	.
-----	CENTURY 84	II	137	50	1	R	R	R	46	43
-----	BSR 201	II	136	47	2	R	S	S	46	45
-----	ELGIN 87	II	133	45	1	R	S	S	47	.
-----	MEAD CK	III	140	47	1	M	M	X	48	.
HOFLER	GEM II	II	136	44	2	R	R	R	48	.
-----	ELGIN	II	133	42	1	S	S	S	49	44
HOFLER	JEWELL	II	134	49	2	R	R	R	50	40
-----	HACK	II	134	46	2	R	S	R	50	41
-----	HOYT S-D	II	134	37	2	R	S	S	52	42

MATURITY GROUP MEAN
MATURITY GROUP LSD (5%)

43 39
7 NS#

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YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SDSU AGRONOMY FARM (BROOKINGS), SEEDED MAY 20, 1987.

-----BRAND-----	--VARIETY--	Maturity Group	Days to Maturity (1987)	Height (Inches)	Lodging (Score)	-----PHYTOPHTHORA----- (Reaction)			Yield (BU/AC)		
						Race 1	Race 3	Race 4	87	85-87	
-----	MC CALL	CK*	00	106	36	2**	S***	X	S	38	.
-----	SWIFT		0	117	41	3	S	S	S	49	44
-----	OZZIE		0	113	36	1	R	X	S	51	44
-----	EVANS	CK	0	113	37	3	R	X	S	52	45
ASGROW	A0949		0	118	42	2	R	R	S	56	.
-----	GLENWOOD		0	116	38	2	R	X	S	56	.
ARROWHEAD	8450		0	120	45	2	R	X	X	56	49
-----	DASSEL		0	117	38	1	R	S	S	57	48
-----	SIMPSON		0	118	40	2	R	X	X	58	44
-----	DAWSON		0	115	39	3	R	X	S	59	48
HOFLER	GARNET		0	119	41	2	R	S	S	60	.
DEKALB	CX096		0	117	43	2	R	X	X	61	.
GARST	8011		0	121	40	3	X	X	X	61	.
SANDS	S01 059		0	118	43	3	R	S	S	61	51
-----	WEBER		1	126	41	3	S	S	S	63	51
-----	WEBER 84	CK	1	127	47	3	R	S	S	65	49

MATURITY GROUP MEAN										56	46
MATURITY GROUP LSD (5%)										5	NS#

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

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SDSU AGRONOMY FARM (BROOKINGS), SEEDED MAY 20, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
SEXAUER	SX 1020	I	122	47	3**	R***	X	X	37	.
SRF	EXP 20137 (BL)*	I	125	46	3	R	S	S	38	.
ASGROW	A1525	I	122	49	1	R	S	S	41	40
-----	EVANS CK	0	114	38	2	R	X	S	41	.
GARST	8101	I	125	47	2	X	X	X	45	.
TERRA	RUNNER	I	125	46	3	R	X	X	45	.
-----	HODGSON 78	I	120	44	3	R	S	S	45	41
SEXAUER	80-61830	I	130	51	3	R	X	X	46	.
-----	BSR 101	I	122	48	2	R	S	S	46	40
MUSTANG	M-1120A	I	122	45	3	R	X	X	46	43
DIAMOND	D 140B (BL)	I	123	46	3	T	T	T	47	46
SRF	EXP 31387	I	123	45	2	R	R	S	47	.
PRIDE	B117	I	121	47	2	S	S	S	47	.
NORTHRUP KING	S 15-50	I	126	47	2	R	R	S	48	43
-----	WEBER	I	123	46	3	S	S	S	48	44
ARROWHEAD BRAND	8650	I	126	46	3	R	M	X	48	44
AGRI PRO	EX1650	I	123	49	2	R	S	S	48	.
-----	HARDIN	I	123	46	3	R	S	S	48	40
-----	LAKOTA	I	123	49	3	R	S	S	48	44
-----	WEBER 84 CK	I	124	44	3	R	S	S	48	42
AGRI PRO	AP1776	I	122	45	1	R	S	S	49	.
SANDS	S01 142	I	121	39	3	R	S	S	49	49
MUSTANG	M-1180A (BL)	I	123	44	2	S	S	S	50	.
HY-VIGOR	ROCKER 9 (BL)	I	124	47	2	R	X	X	50	.
SEEDTEC	630	I	125	49	3	R	R	X	50	44
DEKALB	CX117	I	119	39	2	X	X	X	50	.
-----	SIBLEY	I	121	45	3	R	R	R	50	46
-----	CORSOY 79 CK	I	128	53	3	R	R	R	51	42
ARROWHEAD BRAND	8550	I	122	41	3	R	M	X	51	.
ASGROW	A1937	I	123	44	2	R	S	S	51	45

MATURITY GROUP MEAN									50	44
MATURITY GROUP LSD (5%)									7	5

*BL = BLEND, CK = CHECK VARIETY. **1 = EXCELLENT, 5 = POOR.

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#NS INDICATES THERE ARE NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

(CONTINUED)

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE SDSU AGRONOMY FARM (BROOKINGS), SEEDED MAY 20, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
LINCOLN	EX LS7115	I	123	43	2**	R***	S	S	51	.
HOEGEMEYER	150	I	125	45	4	R	X	X	51	50
MUSTANG	M-1150	I	124	47	2	X	X	X	52	.
LATHAM	301 (BL)*	I	125	45	3	M	M	M	52	45
LINCOLN	LS7116	I	121	39	3	R	X	X	52	.
SIGCO	92	I	124	44	2	S	X	X	52	.
TERRA	EXP. 180	I	124	43	2	S	X	X	52	.
LATHAM	EX220	I	124	42	3	R	X	X	52	.
HOFLER	JADE	I	124	46	3	R	S	S	53	.
INTERSTATE	IS622	I	123	45	2	S	S	S	53	.
HOFLER	SAPPHIRE	I	124	43	2	R	R	S	53	.
ARROWHEAD BRAND	8600	I	124	45	2	S	M	X	53	.
DEKALB	CX187	I	123	42	2	X	X	X	54	.
PIONEER	9181	I	124	40	2	R	R	X	54	.
SANDS	SOI 166	I	124	43	2	S	S	S	54	.
AGRI PRO	EX1989	I	125	45	3	R	R	R	55	.
STINE	1820	I	124	44	2	S	S	S	55	.
NORTHROP KING	S 14-60	I	123	43	3	S	S	S	55	48
LATHAM	200 (BL)	I	124	43	2	S	X	X	55	.
TERRA	RUNNER III	I	124	44	2	S	X	X	56	.
HY-VIGOR	K-901(T) (BL)	I	129	51	3	R	X	X	56	.
Maturity Group Mean									50	44
Maturity Group LSD (5%)									7	5

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

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SDSU AGRONOMY FARM (BROOKINGS), SEEDED MAY 20, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
SANDS	S01 267	II	131	41	2**	R***	R	R	36	.
GARST	8204	II	138	44	2	X	X	X	38	.
-----	MIAMI	II	130	43	2	R	R	R	42	39
-----	PLATTE	II	134	43	1	R	X	X	43	40
-----	WELLS II	II	131	42	1	R	R	S	43	41
-----	HARCOR	II	130	43	2	R	S	S	43	41
INTERSTATE	1S624	II	129	43	3	R	S	S	44	.
-----	AMCOR	II	133	47	2	R	X	X	44	39
-----	BEESON 80	II	134	42	2	R	R	S	44	38
LATHAM	EX520	II	130	37	1	R	R	X	44	.
-----	NEBSOY	II	133	42	2	R	X	X	45	42
-----	CORSOY 79	CK*	129	43	2	R	R	S	45	41
SEXAUER	80-62098	II	132	47	3	R	X	X	45	.
GARST	8201	II	128	45	2	X	X	X	46	.
-----	CENTURY 84	II	133	43	2	R	R	R	46	41
HY-VIGOR	K-80	II	130	44	2	X	X	X	47	.
PRIDE	B236	II	131	42	2	R	S	S	47	.
-----	PRESTON	II	132	43	2	R	S	S	47	45
-----	WEBER 84	CK	128	43	2	R	S	S	48	43
-----	WEBER	I	127	42	2	S	S	S	48	.
-----	BSR 201	II	133	41	2	R	S	S	49	41
DIAMOND	D150	II	127	39	1	R	R	T	49	.
AGRI PRO	AP2021	II	129	39	1	R	S	S	49	.
HOFLER	JEWELL	II	132	43	2	R	R	R	49	45
MUSTANG	EXP. 13	II	131	43	2	X	X	X	49	.

MATURITY GROUP MEAN
MATURITY GROUP LSD (5%)

48 42
7 5

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#NS INDICATES THERE ARE NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

(CONTINUED)

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SDSU AGRONOMY FARM (BROOKINGS), SEEDED MAY 20, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	MEAD CK*	III	138	40	1**	M***	M	X	50	37
HOEGEMEYER	208	II	131	40	2	S	X	X	50	.
LATHAM	401 (BL)	II	131	39	2	M	X	X	50	.
HOFLER	GEM	II	133	45	2	S	S	S	51	.
LATHAM	561 (BL)	II	131	40	2	S	X	X	51	.
MUSTANG	M-1280A (BL)	II	132	41	2	M	M	M	51	.
SANDS	SO1 276	II	130	39	2	R	S	S	51	.
-----	HACK	II	132	41	1	R	S	R	52	47
SANDS	SO1 EXP 272	II	132	44	2	S	S	S	52	.
-----	HOYT S-D	II	133	33	1	R	S	S	53	.
GOLDEN HARVEST	H-1233	II	131	43	2	S	S	S	53	.
ASGROW	A2234	II	130	39	1	R	R	R	53	.
-----	ELGIN	II	132	41	2	S	S	S	53	47
NORTHRUP KING	S 23-03	II	131	42	2	S	S	S	53	49
HOFLER	GEM II	II	133	41	2	R	R	R	53	.
PRIDE	225 BRAND (BL)	II	131	41	2	M	M	S	54	48
-----	ELGIN 87	II	132	37	2	R	S	S	55	.
PRIDE	X720	II	131	40	2	R	R	R	55	.

MATURITY GROUP MEAN									48	42
MATURITY GROUP LSD (5%)									7	5

*BL = BLEND, CK = CHECK VARIETY. **1 = EXCELLENT, 5 = POOR.

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NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES IN THE LATE-SEEDED TRIAL AT THE SDSU AGRONOMY FARM (BROOKINGS), SEEDED JUNE 26, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	MAPLE PREST	00	89	22	1**	R***	X	X	7	.
-----	MAPLE AMBER	00	92	26	2	R	X	R	16	.
-----	MCCALL CK*	00	95	29	1	S	X	R	21	21
-----	EVANS CK	0	96	27	1	R	X	S	24	23
-----	CLAY	00	95	26	1	S	X	S	24	23
-----	SIMPSON	0	100	28	1	R	X	X	25	21
-----	OZZIE	0	97	27	1	R	X	S	26	22
-----	SWIFT	0	99	34	2	S	X	S	26	24
-----	DAWSON	0	99	28	1	R	X	S	27	25
-----	DASSEL	0	100	25	1	R	X	R	27	22
-----	GLENWOOD	0	101	30	2	R	X	S	31	.
Maturity Group Mean									23	23
Maturity Group LSD (5%)									4	NS#

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 ***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.
 #NS INDICATES THERE ARE NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE TOM AND LEE WINTERSTEEN FARM (SIOUX FALLS), SEEDING MAY 14, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	WEBER 84 CK*	I	134	46	1**	R***	S	S	43	46
-----	HODGSON 78	I	130	42	1	R	S	S	44	44
BRODALE	HILLCREST 2	I	137	47	1	R	R	R	45	.
-----	BSR 101	I	137	45	1	R	S	S	47	49
NORTHRUP KING	S 15-50	I	135	47	1	R	R	S	47	.
ARROWHEAD BRAND	8550	I	133	43	1	R	M	X	48	.
-----	EVANS CK	0	124	38	1	R	X	S	48	.
MUSTANG	M-1150	I	135	41	1	X	X	X	48	.
-----	WEBER	I	132	44	1	S	S	S	48	48
ARROWHEAD BRAND	8600	I	134	45	1	S	M	X	50	.
PRAIRIE BRAND	PB142	I	136	47	1	R	S	S	53	.
SIGCO	92	I	131	43	1	S	X	X	53	.
AGRI PRO	EX1989	I	137	45	1	R	R	R	53	.
ASGROW	A1937	I	133	44	1	R	S	S	53	.
SEXAUER	SX 1020	I	134	52	1	R	X	X	54	.
INTERSTATE	IS622	I	134	45	1	S	S	S	54	.
SEEDTEC	630	I	134	47	1	R	R	X	54	.
-----	LAKOTA	I	135	53	1	R	S	S	55	48
-----	SIBLEY	I	130	49	1	R	R	R	55	50
HY-VIGOR	EX K198(T)	I	137	46	1	R	X	X	55	.
SRF	EXP 174 (BL)	I	131	40	1	R	S	S	56	.
HOFLER	SAPPHIRE	I	135	43	1	R	R	S	56	.
HOEGEMEYER	150	I	136	49	1	R	X	X	56	54
S-BRAND	S-38A	I	135	45	1	X	X	X	56	.
MUSTANG	M-1180A (BL)	I	135	43	1	S	S	S	56	.
AGRI PRO	AP1776	I	133	41	1	R	S	S	57	.
TERRA	RUNNER III	I	135	43	1	S	X	X	57	.
SEEDTEC	640B (BL)	I	134	46	1	X	T	X	57	.
SANDS	SOI 142	I	133	41	1	R	S	S	57	54
SEXAUER	80-61830	I	139	51	1	R	X	X	59	.
Maturity Group Mean									55	50
Maturity Group LSD (5%)									10	NS#

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 #NS INDICATES THERE ARE NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

(CONTINUED)

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE TOM AND LEE WINTERSTEEN FARM (SIOUX FALLS), SEEDED MAY 14, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
HY-VIGOR	E-90	(BL)*	137	51	1**	R***	X	X	59	.
HOFLER	JADE		136	43	1	R	S	S	59	.
DEKALB	CX187		132	42	1	X	X	X	59	.
BRODALE	HILLCREST 3		135	46	1	S	S	S	60	.
LINCOLN	EX LS7122		138	43	1	R	X	X	60	.
GARST	8101		134	46	1	X	X	X	61	.
-----	HARDIN		132	45	1	R	S	S	61	51
TERRA	RUNNER		137	47	1	R	X	X	62	.
-----	CORSOY 79	CK	138	51	1	R	R	S	62	52
SANDS	SOI 166		134	44	1	S	S	S	63	.
PRAIRIE BRAND	PB171		134	45	1	S	S	S	63	.
SANDS	EXP 24147		135	40	1	S	S	S	63	.
HY-VIGOR	EX ROW99		134	43	1	R	X	X	63	.
Maturity Group Mean									55	50
Maturity Group LSD (5%)									10	NS#

*BL = BLEND, CK = CHECK VARIETY. **1 = EXCELLENT, 5 = POOR.
 ***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.
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NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE TOM AND LEE WINTERSTEEN FARM (SIOUX FALLS), SEEDED MAY 14, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	NEBSOY	II	140	47	1**	R***	X	X	48	43
-----	PLATTE	II	141	48	1	R	X	X	48	43
S-BRAND	S-39B (BL)*	II	137	43	1	X	X	X	50	.
-----	BEESON 80	II	141	47	1	R	R	S	52	43
INTERSTATE	IS624	II	137	50	1	R	S	S	52	.
NORTHRUP KING	S 23-12	II	137	49	1	S	S	S	52	.
HOFLER	JEWELL	II	138	47	1	R	R	R	52	51
SEXAUER	SX 2080	II	139	43	1	R	X	X	52	.
GOLDEN HARVEST	H-1233	II	139	46	1	S	S	S	53	.
GARST	8204	II	144	52	1	X	X	X	54	.
-----	WEBER	I	134	46	1	S	S	S	54	.
-----	WELLS II	II	138	53	1	R	R	S	54	43
S-BRAND	S-39A	II	138	44	1	X	X	X	54	.
MUSTANG	M-1300	II	138	44	1	M	M	M	54	.
-----	HARCOR	II	138	48	1	R	S	S	54	46
SEXAUER	80-62098	II	140	51	1	R	X	X	54	.
-----	MIAMI	II	137	50	1	R	R	R	55	43
-----	CENTURY 84	II	141	49	1	R	R	R	55	45
GARST	8201	II	137	52	1	X	X	X	55	.
-----	AMCOR	II	141	55	1	R	X	X	55	43
BRODALE	HILLCREST 4	II	138	44	1	S	S	S	55	.
-----	HACK	II	139	43	1	R	S	R	55	48
ASGROW	A2234	II	137	41	1	R	R	R	55	.
-----	HOYT S-D	II	139	26	1	R	S	S	56	49
S-BRAND	S-40D	II	138	49	1	X	X	X	56	.
-----	BSR 201	II	140	48	1	R	S	S	56	51
LINCOLN	LS7221	II	135	45	1	X	X	X	57	51
PIONEER	9251	II	141	49	1	R	X	X	57	.
-----	WEBER 84 CK	I	135	48	1	R	S	S	57	48
PRIDE	B236	II	140	49	1	R	S	S	57	.
Maturity Group Mean									57	48
Maturity Group LSD (5%)									8	5

*BL = BLEND, CK = CHECK VARIETY. ***I = EXCELLENT, 5 = POOR.

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

#NS INDICATES THERE ARE NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

(CONTINUED)

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE TOM AND LEE WINTERSTEEN FARM (SIOUX FALLS), SEEDED MAY 14, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	PRESTON	II	140	48	1**	R***	S	S	57	49
SANDS	S01 EXP 272	II	139	49	1	S	S	S	57	.
PRIDE	X720	II	136	45	1	R	R	R	58	.
ASGROW	A2522	II	141	52	1	S	S	S	58	49
AGRIPRO	AP2021	II	137	46	1	R	S	S	59	.
-----	ELGIN	II	139	43	1	S	S	S	59	51
-----	CORSOY 79 CK*	II	136	51	1	R	R	S	59	48
HOFLE	GEM	II	140	51	1	S	S	S	59	50
NORTH	S 23-03	II	139	50	1	S	S	S	60	55
RUP	2820	II	139	49	1	S	S	S	60	.
KING										
STINE										
HOEGE	208	II	139	45	1	S	X	X	61	.
MEYER	EXP. 13	II	138	44	1	X	X	X	61	.
MUSTANG	MEAD CK	III	144	48	1	M	M	X	61	44
-----	EXP. 260	II	139	47	1	S	X	X	62	.
TERRA	DECATHALON	II	139	49	1	S	S	S	62	55
-----	GEM II	II	140	44	1	R	R	R	62	.
HOFLE	S01 267	II	138	48	1	R	R	R	62	.
SANDS	ELGIN 87	II	138	43	1	R	S	S	63	.
-----	CX264	II	138	45	1	X	X	X	63	53
DEKALB	2820	II	138	51	1	S	S	S	64	.
MIDWEST OILSEEDS										
MUSTANG	M-1225	II	139	51	1	S	S	S	64	.
HY-VIGOR	3903 (BL)	II	140	46	1	R	X	X	64	.
PRAIRIE BRAND	PB275 (B)	II	139	49	1	M	M	M	65	.

MATURITY GROUP MEAN									57	48
MATURITY GROUP LSD (5%)									8	5

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

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
GORDON BROCKMUELLER FARM (FREEMAN), SEEDED MAY 12, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	EVANS CK*	0	111	37	1**	R***	X	S	26	.
HOFLER	SAPPHIRE	I	121	37	1	R	R	S	31	.
-----	HARDIN	I	121	43	2	R	S	S	31	34
GARST	8101	I	123	41	1	X	X	X	31	.
-----	HODGSON 78	I	119	40	1	R	S	S	32	32
-----	LAKOTA	I	122	43	2	R	S	S	33	35
MUSTANG	M-1150	I	118	38	1	X	X	X	33	.
S-BRAND	S-38A	I	120	38	1	X	X	X	33	.
SANDS	S01 166	I	121	38	1	S	S	S	33	.
-----	SIBLEY	I	118	41	1	R	R	R	34	.
SRF	EXP 31387	I	122	40	1	R	R	S	34	.
HOFLER	JADE	I	122	41	1	R	S	S	35	.
SEXAUER	80-61830	I	125	43	1	R	X	X	35	.
-----	WEBER 84 CK	I	123	42	2	R	S	S	35	35
ARROWHEAD BRAND	8600	I	117	38	1	S	M	X	35	.
RIVERSIDE	1405	I	122	41	1	R	X	X	35	.
SEEDTEC	701	I	119	44	2	S	R	S	35	.
ARROWHEAD BRAND	8650	I	120	42	2	R	M	X	35	37
HY-VIGOR	K-R9 (BL)	I	118	41	2	R	X	X	36	.
AGRI PRO	AP1776	I	119	37	1	R	S	S	36	.
-----	WEBER	I	123	41	1	S	S	S	36	36
INTERSTATE	IS622	I	122	39	1	S	S	S	37	.
-----	BSR 101	I	124	41	1	R	S	S	37	35
SANDS	EXP 24147	I	120	35	1	S	S	S	37	.
SANDS	S01 136	I	119	43	1	R	S	S	39	38
-----	CORSOY 79 CK	II	124	45	2	R	R	S	39	37
AGRI PRO	EX1989	I	122	37	1	R	R	R	41	.
TERRA	EXP. 180	I	120	37	1	S	X	X	41	.
Maturity Group Mean									35	35
Maturity Group LSD (5%)									5	3

*BL = BLEND, CK = CHECK VARIETY. **1 = EXCELLENT, 5 = POOR.
***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
GORDON BROCKMUELLER FARM (FREEMAN), SEEDING MAY 12, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	PLATTE	II	129	40	1**	R***	X	X	25	33
-----	BSR 201	II	129	40	1	R	S	S	28	35
S-BRAND	S-39B (BL)*	II	124	36	1	X	X	X	28	.
-----	WELLS II	II	127	41	1	R	R	S	28	34
-----	HACK	II	128	40	1	R	S	R	29	35
RIVERSIDE	303C	II	128	41	1	R	X	T	29	.
SEXAUER	79-1606	II	127	43	1	R	X	X	29	.
-----	BEESON 80	II	130	41	1	R	R	S	30	34
-----	MEAD CK	III	134	38	1	M	M	X	30	34
-----	HOYT S-D	II	129	26	1	R	S	S	30	.
GARST	8204	II	135	40	1	X	X	X	30	.
-----	AMCOR	II	129	49	2	R	X	X	30	34
-----	MIAMI	II	127	42	1	R	R	R	31	34
-----	ELGIN 87	II	129	34	1	R	S	S	31	.
-----	CENTURY 84	II	130	42	1	R	R	R	31	35
-----	NEBSOY	II	128	40	1	R	X	X	31	35
-----	WEBER	I	123	39	1	S	S	S	32	.
-----	WEBER 84 CK	I	124	42	1	R	S	S	32	34
INTERSTATE	1S624	II	126	43	1	R	S	S	32	.
GARST	8201	II	125	43	1	X	X	X	33	.
-----	PRESTON	II	129	38	1	R	S	S	33	37
HOFLER	GEM II	II	130	38	1	R	R	R	34	.
HOFLER	GEM	II	130	43	1	S	S	S	34	38
AGRI PRO	AP2021	II	126	40	1	R	S	S	34	.
LINCOLN	LS7221	II	124	37	1	X	X	X	34	38
Maturity Group Mean									34	37
Maturity Group LSD (5%)									6	4

*BL = BLEND, CK = CHECK VARIETY. **1 = EXCELLENT, 5 = POOR.
***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.

(CONTINUED)

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE GORDON BROCKMUELLER FARM (FREEMAN), SEEDED MAY 12, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
S-BRAND	S-45H	II	129	38	1**	X***	X	X	34	.
DEKALB	CX283	II	129	43	2	S	S	S	34	39
SEXAUER	SX 2080	II	127	38	1	R	X	X	35	.
HOFLER	JEWELL	II	128	40	1	R	R	R	35	37
-----	CORSOY 79	CK*	126	42	2	R	R	S	35	35
-----	ELGIN	II	129	37	1	S	S	S	35	37
-----	HARCOR	II	126	44	2	R	S	S	35	36
LINCOLN	LS7225	II	130	43	2	X	X	X	36	38
MUSTANG	EXP. 13	II	128	40	1	X	X	X	36	38
HOEGEMEYER	208	II	128	41	1	S	X	X	36	.
STINE	2820	II	127	42	1	S	S	S	37	.
DEKALB	CX226	II	128	37	1	X	X	X	37	.
TERRA	DECATHALON	II	127	40	1	S	S	S	37	.
MUSTANG	M-1220A	II	126	40	1	X	X	X	37	.
S-BRAND	S-45J (BL)	II	129	39	1	X	X	X	37	.
SEEDTEC	H-1285 BRAN	II	130	42	1	X	T	X	38	.
HOEGEMEYER	280	II	129	40	1	S	X	X	38	.
HY-VIGOR	3903 (BL)	II	129	41	1	R	X	X	38	38
MUSTANG	M-1225	II	128	41	1	S	S	S	39	40
DEKALB	CX264	II	126	38	2	X	X	X	40	.
SANDS	S01 226	II	127	42	1	S	S	S	40	40
SANDS	S01 EX269	II	128	40	1	S	S	S	40	.
MATURITY GROUP MEAN									34	37
MATURITY GROUP LSD (5%)									6	4

*BL = BLEND, CK = CHECK VARIETY. **1 = EXCELLENT, 5 = POOR.
 ***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SOUTHEAST RESEARCH FARM (BERESFORD), SEEDED MAY 13, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)		
						RACE 1	RACE 3	RACE 4	87	85-87	
-----	EVANS	CK*	0	109	40	1**	R***	X	S	37	.
-----	LAKOTA	I	119	52	2	R	S	S	S	43	47
-----	HARDIN	I	118	50	2	R	S	S	S	45	47
FONTANELLE	3900	I	118	49	1	R	R	R	R	46	.
SEXAUER	SX 1020	I	117	50	1	R	X	X	X	46	.
MUSTANG	M-1180A (BL)	I	118	43	2	S	S	S	S	47	.
-----	BSR 101	I	120	48	1	R	S	S	S	47	48
CURRY	CBS-175B (BL)	I	119	46	2	X	X	X	X	47	.
-----	SIBLEY	I	117	45	1	R	R	R	R	48	48
HOFLER	JADE	I	119	43	2	R	S	S	S	48	.
MUSTANG	M-1150	I	117	45	1	X	X	X	X	48	.
GARST	8101	I	119	53	1	X	X	X	X	48	.
SANDS	S01 166	I	119	43	1	S	S	S	S	48	.
FONTANELLE	3850	I	117	45	1	R	R	R	R	49	.
-----	HODGSON 78	I	116	44	1	R	S	S	S	49	47
RIVERSIDE	1405	I	119	48	2	R	X	X	X	49	.
SANDS	S01 136	I	118	47	2	R	S	S	S	50	.
HOFLER	SAPPHIRE	I	120	44	1	R	R	R	R	50	.
SEEDTEC	701	I	119	49	2	S	R	S	S	50	.
S-BRAND	S-38A	I	117	44	1	X	X	X	X	50	.
-----	WEBER 84	I	121	46	2	R	S	S	S	50	51
SANDS	EXP 24147	I	117	42	1	S	S	S	S	50	.
INTERSTATE	IS622	I	117	44	1	S	S	S	S	51	.
PRAIRIE BRAND	PB171	I	117	46	1	S	S	S	S	51	.
HY-VIGOR	DERBY 9	I	119	50	2	X	X	X	X	51	.
-----	WEBER	I	119	46	2	S	S	S	S	51	52
HY-VIGOR	EX K198(T)	I	122	47	2	R	X	X	X	52	.
AGRI PRO	AP1776	I	119	45	1	R	S	S	S	53	.
-----	CORSOY 79	CK II	122	51	3	R	R	R	R	55	50
AGRI PRO	EX1989	I	119	45	2	R	R	R	R	60	.

MATURITY GROUP MEAN
MATURITY GROUP LSD (5%)

49 48
6 NS#

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NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
SOUTHEAST RESEARCH FARM (BERESFORD), SEEDED MAY 13, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)		
						RACE 1	RACE 3	RACE 4	87	85-87	
-----	WEBER 84	CK	I	121	45	2 **	R***	S	S	48	50
-----	CENTURY 84		II	128	49	1	R	R	R	48	50
-----	AMCOR		II	127	54	2	R	X	X	48	47
-----	PLATTE		II	126	50	1	R	X	X	48	48
INTERSTATE	IS624		II	121	50	2	R	S	S	49	.
NORTHRUP KING	S 29-20		II	129	48	1	R	S	S	49	.
-----	HOYT S-D		II	127	33	1	R	S	S	49	.
-----	MIAMI		II	123	49	2	R	R	R	49	46
-----	BEESON 80		II	127	50	1	R	R	S	49	44
-----	ELGIN 87		II	127	44	1	R	S	S	49	.
SEXAUER	80-62098		II	126	50	2	R	X	X	50	.
-----	NEBSOY		II	126	50	1	R	X	X	50	47
SEXAUER	79-1606		II	125	47	2	R	X	X	50	.
-----	HARCOR		II	124	45	2	R	S	S	51	50
-----	WEBER		I	119	43	2	S	S	S	51	.
-----	WELLS II		II	124	50	1	R	R	S	51	49
-----	MEAD CK		III	133	51	1	M	M	X	51	48
AGRI PRO	AP2190		II	123	47	2	R	S	S	52	53
-----	BSR 201		II	125	48	2	R	S	S	52	49
-----	HACK		II	125	45	1	R	S	R	52	52
SRF	EXP 256		II	127	46	1	R	R	R	52	.
DIAMOND	D150		II	119	45	1	R	R	T	52	.
S-BRAND	S-45H		II	127	45	1	X	X	X	53	.
DIAMOND	D201		II	125	48	2	T	T	T	53	54
MUSTANG	M-1225		II	125	45	2	S	S	S	53	54
CURRY	CBS-202B (BL)		II	124	43	1	X	X	X	53	.
MUSTANG	EXP. 13		II	124	48	1	X	X	X	53	56
LINCOLN	LS7221		II	120	45	1	X	X	X	53	.
HOFLER	JEWELL		II	124	45	1	R	R	R	54	53
GOLDEN HARVEST	H-1233		II	125	48	2	S	S	S	54	.
HOFLER	GEM		II	129	48	2	S	S	S	54	.
LATHAM	851 (BL)		II	126	45	2	M	X	X	54	.
DIAMOND	D195B (BL)		II	124	47	2	R	S	S	54	53
-----	ELGIN		II	127	45	1	S	S	S	54	54
-----	CORSOY 79	CK	II	123	51	2	R	R	S	54	51
-----										54	51
MATURITY GROUP MEAN										7	5
MATURITY GROUP LSD (5%)											

(CONTINUED)

 YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
 SOUTHEAST RESEARCH FARM (BERESFORD), SEEDED MAY 13, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
MC CURDY	260B (BL)	II	125	47	2**	M****	X	X	54	53
PRIDE	X720	II	121	42	1	R	R	R	54	.
SANDS	S01 266	II	123	43	1	R	S	S	55	.
S-BRAND	S-39B (BL)	II	122	44	1	X	X	X	55	.
DEKALB	CX264	II	124	46	2	X	X	X	55	54
GARST	8201	II	121	50	1	X	X	X	55	.
LATHAM	561 (BL)	II	124	48	2	S	X	X	55	.
HOEGEMEYER	208	II	125	45	2	S	X	X	55	.
SANDS	S01 EXP268	II	129	48	2	S	S	S	55	.
PIONEER	9271	II	128	45	1	S	X	X	55	.
HOFLER	GEM 11	II	128	46	1	R	R	R	55	.
HY-VIGOR	905 (BL)	II	125	48	2	R	X	X	55	.
RIVERSIDE	303C	II	126	48	2	R	X	T	55	.
PRIDE	B236	II	125	46	1	R	S	S	56	.
GARST	8204	II	134	52	1	X	X	X	56	.
PRIDE	X726	II	124	48	1	R	R	S	56	.
SANDS	S01 EX269	II	127	49	2	S	S	S	57	.
NORTHRUP KING	S 23-03	II	123	48	2	S	S	S	57	54
HOEGEMEYER	280	II	124	46	2	S	X	X	57	.
NORTHRUP KING	S 27-10	II	128	45	2	R	R	S	58	54
-----	PRESTON	II	126	48	2	R	S	S	58	53
MUSTANG	M-1220A	II	122	46	2	X	X	X	58	.
CURRY	CBS-270B (BL)	II	127	47	2	X	X	X	59	.
STINE	2750	II	127	48	1	S	S	S	59	.
AGRI PRO	AP2021	II	122	47	1	R	S	S	60	.
LATHAM	650	II	125	44	2	S	X	X	60	55
GOLDEN HARVEST	X277	II	128	46	1	S	S	S	60	.
S-BRAND	S-45J (BL)	II	127	49	1	X	X	X	61	.
DEKALB	CX226	II	125	44	1	X	X	X	63	.
-----									54	51
MATURITY GROUP MEAN									7	5
MATURITY GROUP LSD (5%)										

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

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
DAN CURRY FARM (ELK POINT), SEEDED MAY 14, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	EVANS CK*	0	110	33	1**	R***	X	S	30	.
-----	HARDIN	I	122	35	2	R	S	S	30	.
-----	HODGSON 78	I	120	37	2	R	S	S	37	.
MUSTANG	M-1150	I	124	34	1	X	X	X	37	.
FONTANELLE	3900	I	125	47	1	R	R	R	38	.
SRF	EXP 174 (BL)	I	123	36	1	R	S	S	40	.
-----	WEBER 84 CK	I	123	40	2	R	S	S	41	.
GARST	8101	I	121	38	1	X	X	X	42	.
-----	BSR 101	I	126	42	1	R	S	S	42	.
HOFLER	SAPPHIRE	I	122	35	1	R	R	S	42	.
-----	WEBER	I	123	36	1	S	S	S	43	.
INTERSTATE	IS622	I	121	38	1	S	S	S	43	.
-----	LAKOTA	I	122	50	2	R	S	S	45	.
SRF	EXP 31387	I	121	41	1	R	R	S	46	.
S-BRAND	S-38A	I	123	38	1	X	X	X	47	.
TERRA	RUNNER III	I	122	35	1	S	X	X	48	.
-----	CORSOY 79 CK	II	125	45	2	R	R	S	48	.
DE-SOY	302-11 (BL)	I	123	41	1	R	M	S	48	.
HOFLER	JADE	I	124	38	1	R	S	S	49	.
-----	SIBLEY	I	121	40	2	R	R	R	50	.
FONTANELLE	3850	I	122	38	1	R	R	R	51	.
SANDS	SOI 136	I	121	44	2	R	S	S	51	.
CURRY	CBS-175B (BL)	I	123	42	1	X	X	X	52	.
-----									43	.
MATURITY GROUP MEAN									9	.
MATURITY GROUP LSD (5%)										

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 ***R = RESISTANT, M = MIXTURE OF RESISTANT AND SUSCEPTIBLE, S = SUSCEPTIBLE, X = DATA NOT AVAILABLE.
 #NS INDICATES THERE ARE NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

NOTE - THE TOP YIELDING GROUP WITHIN EACH COLUMN OF 1- AND 3-YR AVERAGES CAN BE DETERMINED BY SUBTRACTING THE LSD VALUE FROM THE YIELD VALUE OF THAT VARIETY WITH THE HIGHEST NUMERICAL YIELD. WITHIN A COLUMN ALL VARIETIES WITH A YIELD GREATER THAN THE DETERMINED VALUE WILL BE IN THE TOP YIELDING GROUP.

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
DAN CURRY FARM (ELK POINT), SEEDING MAY 14, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	NEBSOY	II	128	41	2**	R***	X	X	31	32
SEEDTEC	H-1285 BRAN	II	132	39	2	X	T	X	33	.
-----	HOYT S-D	II	129	26	1	R	S	S	37	.
-----	AMCOR	II	129	44	2	R	X	X	38	40
-----	WEBER 84 CK*	I	123	40	1	R	S	S	38	.
GOLDEN HARVEST	H-1285	II	130	40	2	S	S	S	39	.
HOFLER	GEM II	II	130	38	2	R	R	R	39	.
-----	CORSOY 79 CK	II	125	43	2	R	R	S	39	39
HOFLER	JEWELL	II	129	42	1	R	R	R	39	45
DIAMOND	TC 204A	II	131	40	2	S	S	S	39	37
ASGROW	A2522	II	130	46	2	S	S	S	40	41
LATHAM	851 (BL)	II	128	35	1	M	X	X	40	.
-----	BSR 201	II	129	39	2	R	S	S	40	42
AGRI PRO	HP2530	II	128	39	1	R	S	S	41	.
SEXAUER	79-1606	II	128	46	2	R	X	X	42	.
STINE	2750	II	128	40	1	S	S	S	42	.
SANDS	S01 EXP268	II	130	41	2	S	S	S	42	.
AGRI PRO	AP2190	II	128	39	2	R	S	S	43	.
LATHAM	EX820	II	130	37	1	X	X	X	43	.
LINCOLN	LS7224	II	131	38	2	X	X	X	43	.
TERRA	DECATHALON	II	127	38	2	S	S	S	44	38
-----	HACK	II	128	39	1	R	S	R	44	40
SANDS	S01 226	II	126	35	2	S	S	S	44	43
GARST	8201	II	125	38	1	X	X	X	45	.
-----	HARCOR	II	126	38	2	R	S	S	45	41
GARST	8204	II	137	44	1	X	X	X	45	.
HOFLER	GEM	II	129	39	2	S	S	S	45	37
ASGROW	A2234	II	124	35	1	R	R	R	45	.
KRUGER	K2195	II	129	40	2	S	S	S	45	.
DE SOY	555+ (BL)	II	129	46	1	S	S	S	46	.

MATURITY GROUP MEAN									47	41
MATURITY GROUP LSD (5%)									11	NS#

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 #NS INDICATES THERE ARE NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

(CONTINUED)

 YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
 DAN CURRY FARM (ELK POINT), SEEDED MAY 14, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	WEBER	I	121	41	1**	S***	S	S	47	.
GOLDEN HARVEST	H-1233	II	126	38	1	S	S	S	47	.
MUSTANG	M-1220A	II	126	41	1	X	X	X	47	.
-----	MEAD CK*	III	135	40	1	M	M	X	47	46
HY-VIGOR	905 (BL)	II	129	42	2	R	X	X	47	.
DE SOY	595 (BL)	II	127	38	1	M	S	M	47	46
PRIDE	B236	II	128	44	1	R	S	S	48	.
-----	BEESON 80	II	128	40	2	R	R	S	48	43
DE SOY	650+ (BL)	II	128	41	1	R	S	S	48	.
-----	PRESTON	II	129	41	2	R	S	S	49	37
-----	PLATTE	II	128	46	1	R	X	X	49	43
GOLDEN HARVEST	X277	II	128	41	2	S	S	S	49	.
KRUGER	KB220B (BL)	II	129	42	2	S	S	S	49	.
CURRY	CBS-202B (BL)	II	126	40	1	X	X	X	49	.
LATHAM	650	II	126	38	1	S	X	X	49	37
-----	WELLS II	II	125	43	1	R	R	S	50	38
KRUGER	KB254+ (BL)	II	129	41	2	S	S	S	50	.
S-BRAND	S-46F	II	129	43	2	X	X	X	50	.
S-BRAND	S-45J (BL)	II	129	42	2	X	X	X	50	.
INTERSTATE	IS624	II	123	42	1	R	S	S	51	.
CURRY	CBS-270B (BL)	II	128	38	2	X	X	X	51	.
MUSTANG	EXP. 13	II	126	39	1	X	X	X	51	49
-----	ELGIN 87	II	128	41	1	R	S	S	52	.
ASGROW	A2943	II	132	43	1**	R***	S	S	52	47
PRIDE	X729	II	130	43	1	R	R	S	52	.
PRIDE	X726	II	128	41	1	R	R	S	53	.
-----	MIAMI	II	126	42	1	R	R	R	54	39
-----	ELGIN	II	127	40	2	S	S	S	55	44
SANDS	S01 266	II	126	39	1	R	S	S	55	.
-----	CENTURY 84	II	129	39	1	R	R	R	56	41
Maturity Group Mean									47	41
Maturity Group LSD (5%)									11	NS#

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 #NS INDICATES THERE ARE NO SIGNIFICANT DIFFERENCES AMONG VARIETIES.

(CONTINUED)

YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE DAN CURRY FARM (ELK POINT), SEEDED MAY 14, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
MUSTANG	M-1300	II	126	39	1**	M***	M	M	57	.
DIAMOND	D201	II	127	42	2	T	T	T	57	.
STINE	2770	II	131	39	2	S	S	S	58	.
S-BRAND	S-45D+	II	128	39	2	X	X	X	61	.
TERRA	EXP. 260	II	127	43	2	S	X	X	63	.
Maturity Group Mean									47	41
Maturity Group LSD (5%)									11	NS#

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YIELDS AND CHARACTERISTICS OF SOYBEAN VARIETIES GROWN AT THE
DAN CURRY FARM (ELK POINT), SEEDED MAY 14, 1987.

-----BRAND-----	--VARIETY--	MATURITY GROUP	DAYS TO MATURITY (1987)	HEIGHT (INCHES)	LODGING (SCORE)	-----PHYTOPHTHORA----- (REACTION)			YIELD (BU/AC)	
						RACE 1	RACE 3	RACE 4	87	85-87
-----	CORSOY 79 CK*	II	125	45	3**	R***	R	S	32	.
-----	MEAD CK	III	139	38	1	M	M	X	34	.
HOFLER	SUNSTONE	III	139	44	2	R	R	R	40	.
-----	WILLIAMS 82	III	143	50	1	R	R	S	40	.
-----	SPARKS CK	IV	143	47	2	R	S	S	40	.
-----	FAYETTE	III	141	51	2	M	X	S	42	.
SANDS	EXP 22697	III	137	39	2	S	S	S	42	.
-----	ZANE	III	138	44	2	S	S	S	43	.
-----	FREMONT	III	139	39	1	S	M	S	44	.
DIAMOND BRAND	D245	III	140	44	2	R	R	M	44	.
-----	SPRITE	III	139	26	1	S	S	S	45	.
-----	LOGAN	III	136	48	2	M	S	S	46	.
SRF	EXP 26327	III	138	44	2	S	S	S	47	.
-----	SHERMAN	III	141	43	1	S	S	S	47	.
PRIDE	X734	III	139	44	1	R	S	S	47	.
HY-VIGOR	HYLANDER	III	139	35	2	R	X	X	48	.
KRUGER	KB370+ (BL)	III	140	42	1	S	S	S	48	.
-----	PELLA	III	139	47	1	R	S	S	51	.
-----	CHAMBERLAIN	III	142	46	2	R	X	S	52	.
LATHAM	EX910	III	133	39	2	S	X	X	52	.
-----	RESNIK	III	139	42	1	X	X	X	53	.
SANDS	SOI 353	III	139	46	1	S	S	S	54	.
-----	HOBBIT 87	III	140	26	1	R	R	R	54	.
-----	PELLA 86	III	139	43	1	R	S	S	55	.
-----	SPRITE 87	III	141	28	1	R	R	R	55	.
-----	HOBBIT	III	139	24	1	S	S	S	55	.
-----	HARPER	III	141	40	1	S	S	S	57	.
-----	HARPER 87	III	140	38	1	R	X	M	63	.

MATURITY GROUP MEAN									48	.
MATURITY GROUP LSD (5%)									9	.

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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 and east-central and southeastern counties.

Dassel: Moderately susceptible to iron chlorosis; average rate of emergence; resistant to R1 race of Phytophthora root rot.

Elgin: Slow emergence; fair iron chlorosis resistance; adapted to east-central and southeastern counties.

Elgin 87: Slow emergence; moderately susceptible to iron chlorosis; improved phytophthora rot resistance compared to Elgin.

Evans: Quick emergence; moderately susceptible to iron chlorosis; best adapted to northeastern and east-central counties.

Glenwood: Good shattering resistance; good emergence; moderately susceptible to iron chlorosis; resistant to some races of phytophthora root rot.

Harcor: Susceptible to iron chlorosis; prone to shattering; best adapted to the James River Valley and east-central and southeastern counties.

Hardin: Moderately susceptible to iron chlorosis; good shattering resistance; best adapted to northeastern and east-central counties.

Harper 87: Slow emergence; good shattering resistance; susceptible to iron chlorosis; improved phytophthora root rot resistance compared to Harper.

Hodgson 78: Slow emergence; fair resistance to iron chlorosis; best adapted to northeastern and east-central counties.

Hoyt: A semidwarf; good shattering resistance; highly susceptible to iron chlorosis; resistant to R1 race of phytophthora root rot.

Lakota: Susceptible to lodging; good resistance to iron chlorosis and shattering; best adapted to northeastern and east-central counties.

Nebsoy: Good emergence; moderately susceptible to shattering; high susceptibility to iron chlorosis; adapted to east-central and southeastern counties.

Sibley: Good resistance to R1, R3, and R4 races of phytophthora root rot; shatter resistant; high susceptibility to iron chlorosis.

Simpson: Quick emergence; moderately susceptible to iron chlorosis; best adapted to northeastern and east-central counties.

Swift: Moderately susceptible to shattering; 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.

Weber 84: Quick emergence; good shattering resistance; good phytophthora Race 1 resistance; fair resistance to iron chlorosis; adaptation is similar to Weber.

Wells II: Slow emergence; moderately susceptible to iron chlorosis; prone to shattering; best adapted to upper James River Valley and east-central and northeastern counties.