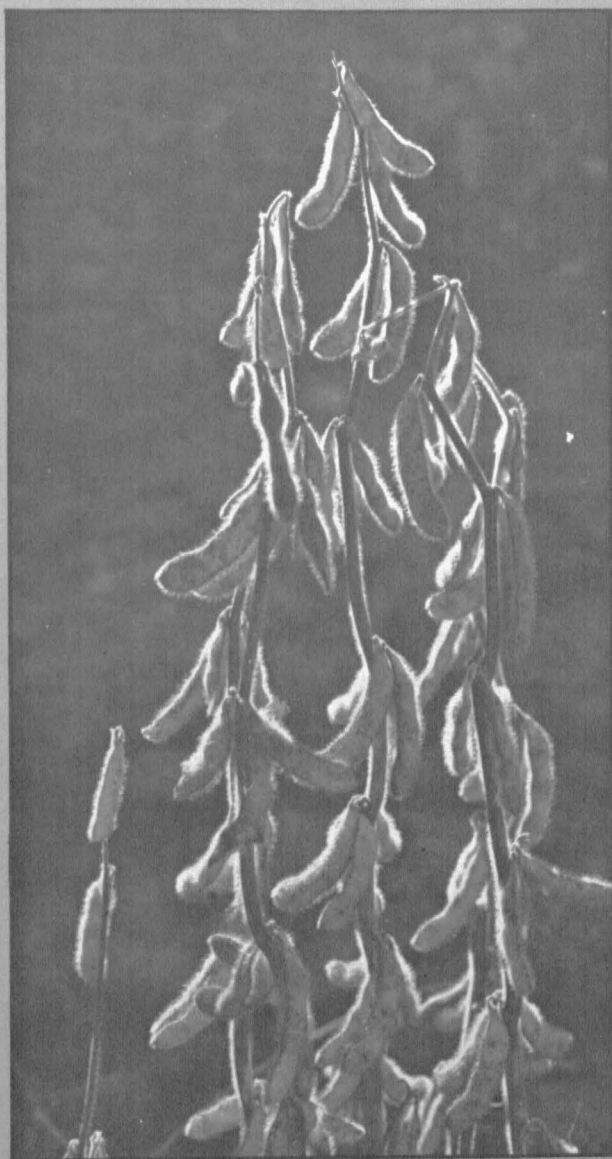


Soybean

1985 Missouri Crop Performance



Special Report 342

January, 1986

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University of Missouri-Columbia Agricultural Experiment Station

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ACKNOWLEDGEMENTS

The authors recognize and express their appreciation to the following individuals for their part in making the 1985 soybean trials possible: Seymour Brothers, Fairfax; Dennis Onks, Superintendent, North Missouri Center, Spickard; Randall Smoot, Foreman, Greenley Memorial Center, Novelty; Frank Swisher, Marshall; John Poehlmann, Superintendent, Agronomy Research Center, Columbia; Richard Schipper, O'Fallon; Wally Norton, Lamar; Norman Justus, Superintendent, Southwest Center, Mt. Vernon; Kenneth Heath Farms, Bertrand; Claude Keasler Farms, Inc., Parma; and Joe Scott, Superintendent, Delta Center, Portageville.

Special recognition is given to Richard Mattas of the Southwest Center for his assistance in all phases of the program, and to Calvin Jones for his assistance at Lamar. Appreciation is also extended to Steve Burns for his computer programming of this Special Report.

MISSOURI CROP PERFORMANCE

1985

SOYBEAN

This report is a contribution of the Department of Agronomy, University of Missouri Agricultural Experiment Station, which reports on Research Project 363. This work was supported in part by funds from the Missouri Seed Improvement Association and fees from the companies submitting varieties for evaluation. Soybeans were first included in the University of Missouri's variety performance testing program in 1973. The number of entries in the program has grown from 51 in 1973 to 316 today.

The large number of varieties available makes selection of a superior variety difficult. To select intelligently, a reliable unbiased up-to-date source of information that will permit valid comparisons among available varieties is needed. The objective of the University of Missouri's performance testing program is to provide this information. The tests are conducted under as uniform conditions as possible. Small plots are used to reduce the chance of soil and climatic variations occurring between one variety plot and another. Results obtained should aid the individual grower to judge the relative merits of many of the commercial soybean varieties available in Missouri today.

COMPARING VARIETIES

The performance of a variety cannot be measured with absolute precision. Uncontrollable variability is involved in the determination of each yield average. This variability is often the result of soil disuniformity, but many other conditions may contribute to it. Because variability exists in all field experimentation, statistics are used as a tool to assist with making decisions. The statistical tool used in the analysis of trials reported here is the test of least significant difference (L.S.D.). The L.S.D. is quite simple to apply. When two entries are compared and the difference between them is greater than the L.S.D., the entries are judged to be significantly different. Differences smaller than the L.S.D. may have occurred by chance and are judged to be non-significant.

Variety performance may seem inconsistent from location to location and from year to year because of differences in rainfall, temperature, soil fertility, diseases, insects, and other factors. To obtain an improved estimate of relative variety performance, results from more than one location or year should be considered. In this publication, an effort has been made to facilitate comparisons across years or locations.

In each trial, the "top yielding" varieties in each maturity group have been identified. These varieties are those which did not yield significantly less than the highest yielding variety in the same group. They are denoted in the tables by an asterisk (*) next to their yield. Thus, by going down a column, the highest yielding varieties can be readily identified. By going across, the relative performance of a variety during several years or at several locations can be evaluated. From the standpoint of yield, the most desirable varieties will be those among the "top yielding" varieties (that is, have an asterisk) the greatest number of times.

Although yield usually receives first consideration, other agronomic characteristics may be equally important when selecting a soybean variety. Standability, maturity, and disease resistance are among the characteristics which deserve careful consideration. Several diseases prevalent in Missouri can be devastating to susceptible varieties. Lodging may reduce yields and slow harvest. Poor seed quality is often associated with varieties which mature while temperatures are still high, and late maturing varieties are occasionally killed by frost. Selection of varieties from several maturity groups can be helpful in spreading harvest dates. Therefore, information presented on disease reaction, lodging, and maturity group should be considered when selecting a variety.

EXPERIMENTAL PROCEDURES

On the basis of geographic characteristics, the state was divided into regions. Soybean variety evaluations were located in the northern, central, southwestern, and southeastern regions of the state. Locations of individual sites are shown in Figure 1, Page 6.

Entries. Two types of tests were conducted. 'Standard' tests evaluated varieties, brands, or blends currently marketed in Missouri. 'Experimental entry' tests evaluated experimental lines, and released varieties, brands, or blends not currently marketed in Missouri. All producers of soybean seed were eligible to enter varieties or blends in the 1985 evaluation plots. Participation was voluntary, and no control was exercised by the program over which, or how many, varieties were entered. However, to help finance the evaluation program, a fee of \$60 per location was charged for each entry entered by the seed producer.

Field Plot Design. In all tests, a randomized complete block design with three or four replications was used. Individual plots were four rows wide and 25 feet long. The center two rows of these plots were harvested to determine yield.

Plot Management. The tests were planted with commercial equipment modified for small plot work. Fertilizer applied at each site was equal to, or above, that recommended by the University of Missouri's Soil Testing Laboratory. Herbicides were used for weed control, and additional hand weeding was done as required. Management details varied from location to location and are summarized in Table 1, Page 5.

Data Recorded. Maturity group classification was indicated by the entry sponsor. Maturity data was recorded when approximately 75% of pods had turned color. Lodging and height were determined immediately before harvest. A scale of 1 to 5 was used to score lodging. Interpretation of the scale is as follows:

- 1 = all plants erect;
- 2 = all plants leaning slightly or a few plants down;
- 3 = all plants leaning moderately or 20 to 50% down
- 4 = all plants leaning considerably or 50 to 80% down;
- 5 = all plants down.

Yield was measured in bushels (60 pounds) per acre at a moisture content of 13.0%. An electronic moisture tester was used for all moisture readings.

TABLE 1. CULTURAL PRACTICES OF THE 1985 SOYBEAN EVALUATION TRIALS.

LOCATION (COUNTY)	COOPERATOR	N-P205-K20	-----HERBICIDE-----		INSEC- TICIDE	SPACING (IN)	DENSITY (PLANTS/A)	DATE OF PLANTING	DATE OF HARVEST
			PRE-PLANT	POST					
<u>STANDARD TESTS</u>									
FAIRFAX (ATCHISON)	SEYMOUR BROTHERS	0- 0- 0	DUAL + SENCOR	POAST + BLAZER + BASAGRAN	NONE	30	156,800 9 SD/FT	5-07-85	10-17-85
SPICKARD (GRUNDY)	DENNIS ONKS*	0- 36- 90	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/FT	5-10-85	10-30-85
NOVELTY (KNOX)	RANDALL SMOOT*	0- 50-100	PROWL + SENCOR	NONE	NONE	30	156,800 9 SD/FT	5-09-85	1-06-86 1-07-86
MARSHALL (SALINE)	FRANK SWISHER	0- 0- 0	DUAL + LOROX + SENCOR	POAST + BLAZER + BASAGRAN	NONE	30	156,800 9 SD/FT	5-08-85	10-21-85
COLUMBIA (BOONE)	JOHN POEHLMANN*	0- 0- 0	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/FT	5-06-85	10-09-85 10-15-85
O'FALLON (ST. CHARLES)	RICHARD SCHIPPER	20- 60- 60	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/FT	5-23-85	10-18-85 10-22-85
LAMAR (BARTON)	WALLY NORTON	0- 0- 0	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/FT	5-20-85	10-08-85 10-28-85
MT. VERNON (LAWRENCE)	NORMAN JUSTUS*	24- 96- 96	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/ft	5-17-85	11-05-85
BERTRAND (MISSISSIPPI)	KENNETH HEATH FARMS	0- 0-200	DUAL	BASAGRAN	NONE	30	156,800 9 SD/FT	5-14-85	10-25-85
PARMA (STODDARD)	CLAUDE KEASLER FARMS, INC.	0- 0-150	DUAL + LOROX	BLAZER + BASAGRAN	NONE	38	123,700 9 SD/FT	5-14-85	11-06-85
PORTAGEVILLE (PEMISCOT)	JOE SCOTT*	0- 0- 0	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/FT	5-30-85	11-07-85
<u>EXPERIMENTAL TESTS</u>									
FAIRFAX (ATCHISON)	SEYMOUR BROTHERS	0- 0- 0	DUAL + SENCOR	BLAZER + BASAGRAN	NONE	30	156,800 9 SD/FT	5-07-85	10-17-85
NOVELTY (KNOX)	RANDALL SMOOT*	0- 50-100	PROWL + SENCOR	NONE	NONE	30	156,800 9 SD/FT	5-09-85	1-07-86
MARSHALL (SALINE)	FRANK SWISHER	0- 0- 0	DUAL + LOROX + SENCOR	POAST + BLAZER + BASAGRAN	NONE	30	156,800 9 SD/FT	5-08-85	10-21-85
COLUMBIA (BOONE)	JOHN POEHLMANN*	0- 0- 0	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/FT	5-06-85	10-09-85
LAMAR (BARTON)	WALLY NORTON	0- 0- 0	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/FT	5-20-85	10-08-85 10-28-85
MT. VERNON (LAWRENCE)	NORMAN JUSTUS*	24- 96- 96	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/ft	5-17-85	11-05-85
PARMA (STODDARD)	CLAUDE KEASLER FARMS, INC.	0- 0-150	DUAL + LOROX	BLAZER + BASAGRAN	NONE	38	123,700 9 SD/FT	5-14-85	11-06-85
PORTAGEVILLE (PEMISCOT)	JOE SCOTT*	0- 0- 0	DUAL + LOROX	NONE	NONE	30	156,800 9 SD/FT	5-30-85	11-07-85

* EXPERIMENT STATION MANAGER

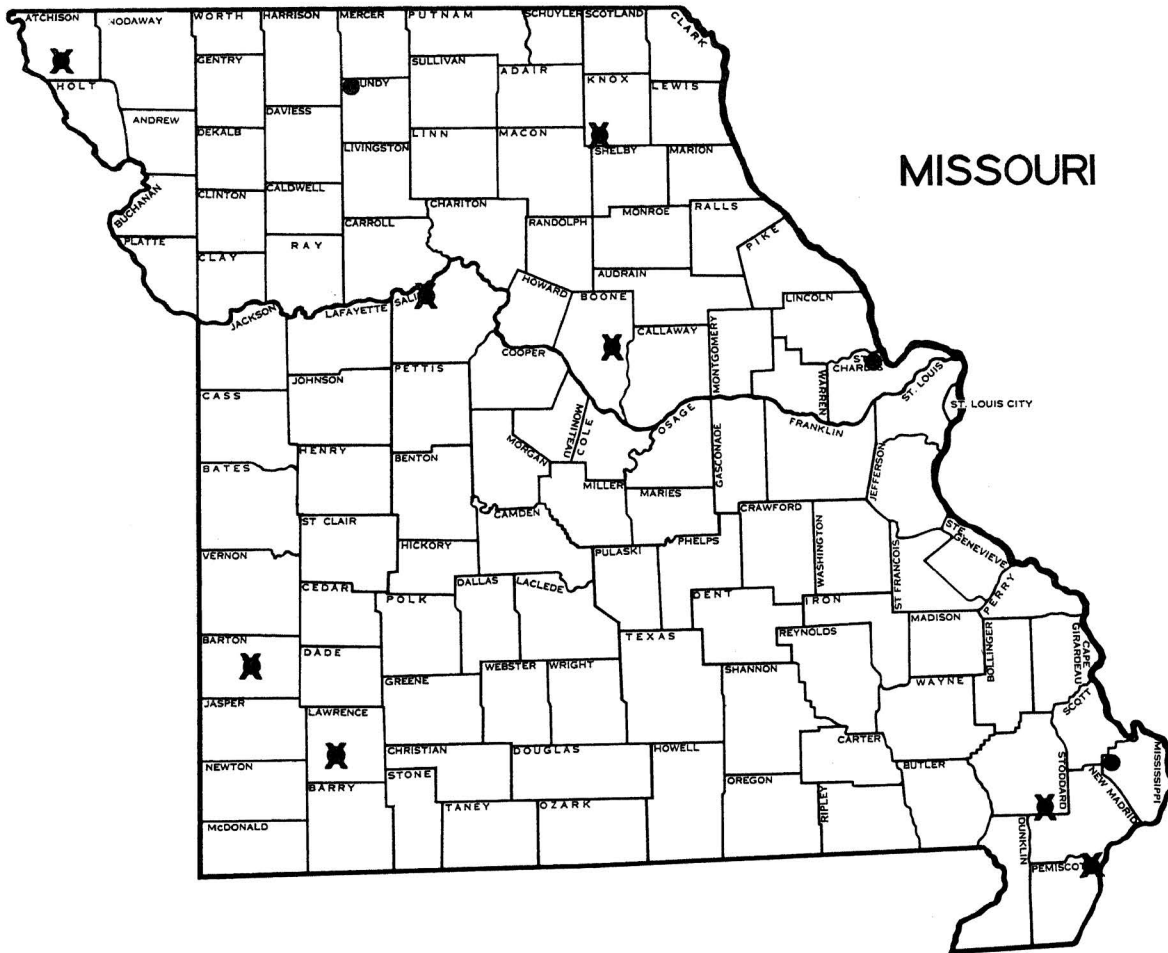


FIGURE 1. TEST SITE LOCATIONS.

- STANDARD TEST
- X STANDARD AND EXPERIMENTAL TESTS

SUMMARY OF RESULTS

Results are presented by regions of the state. For each entry and location, data on maturity, plant height, lodging, and yield adjusted to 13.0% moisture are given. As emphasized previously, because of the influence of environmental conditions on soybean productivity, the reader is encouraged to give more weight to results from several locations or years than to those from a single test.

Soybean varieties and blends were evaluated in eleven standard, and eight experimental studies in 1985 (Figure 1, Page 6). An overview of management is given in Table 1, Page 5.

Average yields and ranges observed at each location are summarized below in Table 2. The ranges shown give the value for the lowest and highest yielding varieties in each test. This value provides an indication of the variation in yield potential among soybean varieties available on the market in Missouri. Use of data presented in the individual location tables of this Special Report should increase the probability of selecting varieties which combine high yield potential with other agronomic characteristics appropriate to specific farming situations.

All tests showed a wide range in yields, partly caused by soybean diseases, weather, soil type, plot management, previous cropping system, and other problems inherent to their regions. A test established at O'Fallon was eliminated due to partial flooding.

The experimental studies were composed of experimental lines and varieties, brands or blends which were not currently released to the public, or marketed in Missouri. Well adapted varieties are indicated as checks.

TABLE 2. SOYBEAN YIELD SUMMARY

LOCATION	NUMBER OF ENTRIES	YIELD (BUSHEL/ACRE)		DATA TABLE
		RANGE	AVERAGE	
<u>STANDARD TESTS</u>				
FAIRFAX	181	36-53	46	3
SPICKARD	181	38-56	47	4
NOVELTY	181	17-48	36	5
MARSHALL	142	36-55	47	7
COLUMBIA	142	44-67	54	8
LAMAR	53	22-43	32	10
MT. VERNON	53	34-59	45	11
BERTRAND	61	13-42	25	13
PARMA	61	1-46	30	14
PORTAGEVILLE	61	4-44	29	15
<u>EXPERIMENTAL TESTS</u>				
FAIRFAX	21	43-53	48	17
NOVELTY	21	32-41	37	18
MARSHALL	17	46-54	50	20
COLUMBIA	17	48-58	54	21
LAMAR	14	28-40	33	23
MT. VERNON	14	42-57	49	24
PARMA	32	22-44	35	26
PORTAGEVILLE	32	13-41	33	27

TABLE 3. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR FAIRFAX ON THE SEYMOUR BROTHERS FARM DURING 1983-85. PLANTED: 7 MAY 1985. HARVESTED: 17 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATURITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 2								
HILL HS 3000	9-4	40.0	2.1	--	--	52.7**	--	--
FONTANELLE 5708	9-4	39.3	2.6	1.6	--	52.6*	40.3*	--
RANDELL MAHAKA	9-4	41.3	1.0	1.0	1.0	51.5*	45.9**	28.3
FONTANELLE 6161	9-4	40.3	1.5	1.6	1.0	51.0*	42.3*	26.6
S-BRAND S-48C	9-4	39.3	2.0	--	--	50.8*	--	--
HOFLE GEM	9-3	40.6	3.7	1.0	--	50.8*	38.8	--
REEDS 222	9-3	40.0	2.9	1.3	1.0	50.3*	44.2*	32.8*
KELLER KNOX	9-3	36.6	1.7	1.0	1.0	49.9*	40.4*	31.0*
MCALLISTER 8341	9-3	39.6	2.6	1.0	--	49.6*	38.5	--
LEWIS 26	9-3	35.0	3.5	1.0	--	49.5*	42.6*	--
MCCUBBIN TAYLOR	9-3	37.3	2.4	1.0	--	48.9*	40.3*	--
RING AROUND 280	9-3	38.6	1.7	2.0	--	48.1*	39.0	--
CENTURY	9-3	36.6	2.0	1.0	1.0	47.7*	34.8	28.2
JMS 2382	9-3	37.6	2.8	--	--	47.6*	--	--
AMERICANA MARINER	9-3	34.6	2.6	1.3	1.0	47.5*	41.9*	32.3*
RIVERSIDE 3033	9-3	36.0	3.0	1.3	1.0	46.8	40.0*	33.5*
SRF 250	9-4	37.3	1.2	--	--	44.7	--	--
MCALLISTER BARON	9-3	39.3	3.0	1.3	--	44.5	40.2*	--
FS HISOY BRAND HS 265	9-4	33.3	1.4	--	--	41.6	--	--
MATURITY GROUP AVERAGE	9-4	38.1	2.3			48.6	40.0	
MATURITY GROUP LSD AT .05	NS	NS	0.8			5.4	5.9	
MATURITY GROUP 3								
RIVERSIDE 3605	9-8	42.3	2.3	--	--	52.4**	--	--
HOFLE CORAL	9-7	38.3	2.6	1.3	--	51.2*	41.4	--
HOFLE CRYSTAL	9-7	37.6	1.6	--	--	51.1*	--	--
RANDELL HAWK	9-6	36.7	1.0	--	--	49.9*	--	--
S-BRAND S-58A	9-6	40.0	1.3	1.0	--	49.7*	44.5*	--
FS HISOY 322 BRAND	9-6	40.6	2.0	--	--	49.7*	--	--
OHLDE 3238	9-6	42.0	1.6	--	--	49.6*	--	--
SPRITE	9-7	39.6	1.6	1.0	1.0	49.3*	37.5	26.1
KRUGER K4121	9-7	35.3	1.6	--	--	49.3*	--	--
CRESTLAND 3301A	9-5	41.3	2.0	--	--	49.0*	--	--
OHLDE 3380	9-7	42.6	1.3	1.0	--	49.0*	43.7*	--
REEDS 333	9-6	44.0	1.6	1.0	1.0	48.9*	40.8	30.7*
HARPER	9-7	36.0	1.0	1.0	1.0	48.8*	47.9**	31.9*
S-BRAND S-56A	9-5	40.3	1.6	2.0	1.0	48.8*	43.4*	33.3*
ASGROW A3803	9-5	34.6	1.3	--	--	48.8*	--	--
MCCUBBIN TROY	9-5	43.0	1.0	1.3	--	48.6*	44.6*	--
RIVERSIDE 3505	9-5	41.6	2.3	--	--	48.5*	--	--
KRUGER KB3133	9-7	39.3	1.0	--	--	48.4*	--	--
SHERMAN	9-7	37.7	1.3	--	--	48.3*	--	--
ASGROW A3427	9-6	35.6	1.6	--	--	48.3*	--	--
DESOY 975	9-6	37.6	1.3	1.0	--	48.2*	42.3	--
RESEARCH SEED RS 3530	9-4	36.3	1.3	1.0	--	48.2*	39.0	--
RESEARCH SEED RS 3330	9-6	39.3	2.3	1.6	--	48.2*	43.9*	--
S-BRAND S-60H	9-6	38.0	1.0	--	--	48.0*	--	--
SILER SS 325	9-7	36.7	1.3	--	--	47.8*	--	--
HOBBIT	9-8	28.6	1.3	1.0	1.0	47.7*	34.9	31.8*
NORTHROP KING S39-99	9-8	40.0	1.0	--	--	47.7*	--	--
REEDS 330	9-8	32.6	1.0	1.0	1.0	47.5*	42.3	30.2
S-BRAND S-49B	9-5	35.0	1.3	--	--	47.3*	--	--
STINE 3770	9-7	37.6	2.0	--	--	47.3*	--	--
STINE 3760	9-6	43.6	1.3	--	--	47.1*	--	--
BRAD 39	9-8	41.0	1.6	--	--	47.1*	--	--
OHLDE 3228	9-6	35.0	2.3	--	--	47.0	--	--
FS HISOY BRAND HS 348	9-8	39.0	1.6	--	--	47.0	--	--
ZANE	9-6	37.0	1.6	1.0	--	46.9	39.5	--
SHISSLER GR8 367	9-7	40.3	1.3	1.0	1.0	46.9	40.9	30.5
WILSON BLEND 3560	9-6	40.6	2.3	--	--	46.8	--	--
AGRIPRO HP3700	9-7	38.3	1.3	--	--	46.8	--	--
SILER SS 320	9-8	38.3	1.7	--	--	46.8	--	--
KRUGER KB375	9-6	35.0	1.6	1.0	--	46.8	46.2*	--
MCALLISTER 8493	9-6	40.3	1.6	1.6	--	46.8	43.4*	--
JMS 3482	9-6	40.0	1.6	1.6	1.0	46.7	44.8*	26.6
MCALLISTER DYNAMO II	9-5	39.6	2.0	1.6	--	46.7	44.9*	--
DIAMOND BRAND D315	9-7	41.3	1.6	--	--	46.6	--	--
MERSCHMAN MONROE	9-8	41.0	2.0	--	--	46.6	--	--
PRIZE 3400	9-8	43.6	1.3	--	--	46.5	--	--
S-BRAND S-53A	9-5	36.3	1.3	--	--	46.4	--	--
S-BRAND S-52A	9-6	42.0	2.0	1.3	1.0	46.1	42.8*	30.6*
REEDS 320	9-7	42.3	1.0	1.3	1.3	46.0	41.8	23.9
DESOY 888	9-6	43.3	1.6	--	--	46.0	--	--
WILSON BLEND 3230	9-4	43.0	2.0	--	--	45.9	--	--
FONTANELLE 6464	9-7	43.6	2.3	2.3	1.3	45.9	39.9	28.3
PIONEER 3981	9-7	43.3	1.6	1.6	1.0	45.9	40.8	30.8*
PELLA 85	9-7	35.3	1.3	--	--	45.6	--	--
HOFLE TOPAZ	9-7	37.6	1.6	2.0	--	45.5	41.2	--
MERSCHMAN JEFFERSON IV	9-7	35.3	1.6	--	--	45.5	--	--
KING CITY KC-853	9-5	38.6	1.3	--	--	45.2	--	--

TABLE 3. CONTINUED.

BRAND-VARIETY	1985		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
AMERICANA RIVAL	9- 7	42.3	2.0	1.6	1.0	45.1	42.1	29.6
MERSCHMAN KENNEDY	9- 6	42.0	2.0	1.0	1.0	44.9	40.7	29.4
RING AROUND 303	9- 2	39.0	2.3	2.0	---	44.9	39.6	---
KING CITY KC-954	9- 8	38.3	2.0	---	---	44.8	---	---
PELLA	9- 8	45.3	1.6	1.0	1.0	44.7	42.2	27.9
AMERICANA SENTRY	9-10	35.6	2.3	---	---	44.6	---	---
RIVERSIDE 2019	9- 7	41.6	1.6	1.0	---	44.6	45.7*	---
SHISSLER GR8 388	9- 6	37.3	2.0	1.3	---	44.6	36.7	---
NECO 1000	9- 8	34.6	2.0	1.6	---	44.6	43.2*	---
DEKALB-PFIZER CX380	9- 8	39.6	1.6	1.0	1.0	44.6	38.4	31.5*
COKER 393	9- 7	39.6	1.3	---	---	44.6	---	---
BIN BUSTER 3802	9- 9	36.3	2.7	---	---	44.6	---	---
NORTHROP KING S30-31	9- 4	42.0	2.3	1.3	1.0	44.6	39.1	27.4
BRAD 35	9- 4	35.0	1.6	---	---	44.6	---	---
OHLDE 3288	9- 6	33.3	1.3	---	---	44.4	---	---
CUMBERLAND	9- 5	40.0	2.3	1.3	1.0	44.3	43.1*	30.9*
FFR 331	9- 5	45.3	2.6	---	---	44.1	---	---
MERSCHMAN KENNEDY 11	9- 7	42.3	1.3	---	---	44.1	---	---
PRIZE 3500	9- 4	38.6	2.6	---	---	44.1	---	---
LAND O' LAKES L4106	9- 6	43.6	2.0	1.6	1.0	44.1	42.1	29.6
BRAD 34	9- 6	41.6	1.3	---	---	44.1	---	---
RESEARCH SEED RS 3590	9- 7	40.6	1.3	1.6	---	44.1	44.7*	---
REEDS 390	9- 8	41.3	2.0	---	---	44.0	---	---
LEWIS 34	9- 8	39.3	1.3	1.0	---	43.8	42.3	---
MERSCHMAN TRUMAN 11	9- 7	38.3	1.3	1.6	1.0	43.7	43.6*	30.0
FORTUNE 666E	9- 7	42.0	1.0	1.0	1.0	43.6	37.1	30.5
ROHM & HAAS RHS463	9- 7	44.3	1.6	---	---	43.6	---	---
MCALLISTER ECLIPSE	9- 9	41.6	2.6	2.3	---	43.4	40.1	---
RIVERSIDE 202R	9- 8	39.6	1.6	1.3	2.0	43.3	43.1*	27.1
FONTANELLE 6540	9- 6	43.6	2.3	1.6	---	43.3	43.1*	---
BIN BUSTER 4250	9-10	43.6	2.7	---	---	43.0	---	---
RAY CARROLL CARROLL	9- 7	36.3	2.3	---	---	42.9	---	---
NECO 950	9- 7	39.6	1.6	---	---	42.9	---	---
FUNK'S G3399	9-10	44.0	1.6	---	---	42.6	---	---
MERSCHMAN EISENHOWER	9- 8	43.0	2.0	---	---	42.6	---	---
DIAMOND BRAND D320B	9- 8	43.3	1.6	---	---	42.5	---	---
RESEARCH SEED RS 3490	9- 5	41.3	1.6	1.6	---	42.5	40.8	---
SRF MATSOY	9- 6	43.0	3.6	1.6	2.3	42.4	38.5	28.9
SRF 350P	9- 6	43.0	2.3	1.3	2.0	42.1	39.6	29.0
RANDELL CYCLONE 11	9- 5	43.7	2.0	3.0	3.3	42.0	36.4	28.8
SRF 390	9- 9	39.3	2.3	---	---	42.0	---	---
WILLIAMS 82	9- 9	42.6	2.0	1.0	1.0	41.9	41.4	31.5*
FAYETTE	9- 8	43.0	1.6	2.0	2.0	41.2	39.9	27.5
FUNK'S G3396	9- 7	42.0	1.3	1.3	1.0	41.1	41.0	30.2
WILLIAMS	9- 8	37.6	2.3	1.3	1.3	41.0	39.5	32.8*
ASGROW A3966	9- 8	42.6	1.6	1.6	1.6	40.2	38.9	30.7*
DIAMOND BRAND D330	9- 8	44.0	1.6	---	---	40.0	---	---
SRF 307P	9- 5	40.6	1.6	2.3	1.6	38.6	41.7	27.9
HILL HS 4150	9- 8	48.3	2.0	2.3	1.3	38.0	40.3	27.4
MCB S19AA	9- 9	44.6	2.0	---	---	37.0	---	---
MATURITY GROUP AVERAGE	9- 7	40.1	1.7	---	---	45.6	41.5	---
MATURITY GROUP LSD AT .05	4	7.7	1.0	---	---	5.3	5.5	---
MATURITY GROUP 4								
S-BRAND S-65	9-11	37.3	1.6	2.0	---	50.0**	44.1*	---
MCCUBBIN ALBANY 11	9-11	42.6	2.0	2.3	2.0	49.4*	45.5*	26.7
MERSCHMAN HOUSTON	9-11	42.6	2.3	---	---	49.4*	---	---
DEKALB-PFIZER CX415	9-10	43.6	1.3	---	---	49.0*	---	---
OHLDE 4344	9-11	48.3	2.0	---	---	48.9*	---	---
STINE 4500	9- 9	40.6	1.0	2.3	---	48.7*	41.2	---
NORTHROP KING S42-40	9- 8	38.6	2.6	1.3	---	48.6*	45.1*	---
AGRIPPO AP4321	9-11	41.3	1.3	---	---	48.5*	---	---
RIPLEY	9-11	31.0	1.0	---	---	48.3*	---	---
RIVERSIDE 2024	9- 9	41.6	2.3	2.0	2.0	48.1*	40.7	31.6*
OHLDE 4386	9-11	50.3	2.0	3.3	---	47.9*	36.6	---
HOFLER QUARTZ	9-11	39.0	1.6	---	---	47.7*	---	---
RAY CARROLL RAY	9-10	41.0	2.0	---	---	47.7*	---	---
RANDELL FREMONT 11	9- 6	41.6	1.0	---	---	47.5*	---	---
NORTHROP KING S42-30	9- 9	41.3	1.0	---	---	46.8*	---	---
PIXIE	9-11	26.0	1.0	1.0	1.0	46.7*	44.1*	30.1
MCALLISTER 8400	9- 8	45.0	2.3	---	---	46.6*	---	---
RANDELL FREMONT	9- 7	41.3	1.0	---	---	46.5*	---	---
MERSCHMAN HARRIS	9- 9	38.3	1.6	---	---	46.4*	---	---
OHLDE 4331	9-11	43.3	1.6	---	---	46.2*	---	---
MERSCHMAN BOSTON	9-11	44.0	2.3	2.3	---	45.6*	44.4*	---
PIONEER 9441	9-12	42.0	1.3	---	---	45.5	---	---
SHISSLER GR8 420	9- 9	44.6	1.6	---	---	45.3	---	---
MCALLISTER 8423	9-11	38.6	1.6	2.0	---	45.2	47.0**	---
SRF 425	9-10	43.0	2.3	3.0	2.6	45.1	40.3	28.4
REEDS 440	9- 9	39.0	1.0	1.0	1.0	45.1	40.6	34.4**
REEDS 444	9-11	47.6	2.0	4.0	3.0	44.7	34.1	25.8
JMS 4982	9-12	49.6	2.6	3.6	---	44.5	37.2	---
MERSCHMAN WILLIAMSBURG	9- 9	40.3	1.3	---	---	44.5	---	---
MERSCHMAN DALLAS	9- 8	50.6	2.3	3.6	2.6	44.4	34.9	27.0

TABLE 3. CONTINUED.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
NECO 1350	9-13	52.3	2.3	3.6	--	44.0	38.3	--
KELLER PATTON	9-13	52.0	2.0	3.3	2.6	44.0	36.8	26.5
DIAMOND BRAND D355B	9-10	45.6	1.6	1.3	--	43.8	42.1	--
MERSCHMAN ATLANTA	9-9	45.0	2.0	2.6	2.0	43.8	40.5	24.9
AMERICANA JACKSON	9-9	43.3	1.3	1.6	--	43.7	39.1	--
AMERICANA B567	9-10	52.3	2.0	--	--	43.7	--	--
PRIZE 828	9-11	49.6	2.3	4.6	3.0	43.7	34.8	28.0
AMERICANA DIXIE	9-11	45.0	1.6	--	--	43.5	--	--
MERSCHMAN MEMPHIS	9-10	42.3	1.6	--	--	43.5	--	--
RING AROUND 404	9-12	50.0	1.0	--	--	43.1	--	--
JMS 4383	9-10	45.3	3.0	2.0	--	42.9	41.5	--
FORTUNE 747E	9-7	46.0	1.0	--	--	42.8	--	--
LEWIS 48	9-11	42.0	1.6	--	--	42.6	--	--
STINE 4190	9-11	54.6	2.6	--	--	42.4	--	--
MFA PV 42	9-13	44.6	2.0	1.3	1.0	42.2	41.0	29.1
BRAD 41	9-8	43.6	1.0	--	--	41.5	--	--
AGRIFRO AP350	9-13	48.0	2.0	2.3	2.3	40.9	38.8	30.9*
DIAMOND BRAND D351	9-11	45.6	2.0	--	--	40.5	--	--
FORTUNE 727	9-10	40.3	1.3	1.0	1.0	40.1	37.1	30.5
AGRIFRO AP420	9-11	53.0	2.0	3.0	2.6	40.0	41.2	29.2
UNION	9-10	46.6	1.6	2.0	2.0	39.3	40.5	29.2
CLARK 63	9-11	45.0	2.0	2.0	1.6	36.7	35.2	27.2
SRF 450P	9-12	42.6	1.3	3.0	1.6	36.6	32.0	25.5
SRF HOBSON	9-9	36.6	1.3	1.0	1.6	36.2	41.4	27.2
MERSCHMAN DENVER II	9-12	46.3	2.6	3.6	2.6	36.2	37.2	28.4
MATURITY GROUP AVERAGE	9-11	43.8	1.8	--	--	44.5	39.9	--
MATURITY GROUP LSD. 0.05	3	6.4	0.8	--	--	4.4	4.3	--
TRIAL AVERAGE		41.1	1.7	1.7	1.3	45.6	40.7	28.6
TRIAL LSD AT .05								3.8

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 4. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR SPICKARD ON THE NORTH MISSOURI CENTER DURING 1983-85. PLANTED: 10 MAY 1985. HARVESTED: 30 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985			LOGGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)		1985	1984	1983	1985	1984	1983
MATURITY GROUP 2									
RIVERSIDE 3033	9- 4	38.0	1.5	1.0	1.3	51.9**	15.5	17.7	
REEDS 222	9- 4	37.5	1.5	1.0	1.0	51.1	13.7	18.5	
RANDELL MAHASKA	9- 5	40.5	1.5	1.0	1.0	50.9	19.0**	14.8	
S-BRAND S-48C	9- 5	33.5	2.0	---	---	50.2	---	---	
JMS 2382	9- 5	33.5	1.0	---	---	50.0	---	---	
MCCUBBIN TAYLOR	9- 5	34.0	1.0	1.0	---	49.9	13.1	---	
FONTANELLE 6161	9- 5	33.0	1.5	1.0	1.0	49.5	13.8	17.2	
KELLER KNOX	9- 5	37.0	1.0	1.0	1.0	47.3	13.5	21.7*	
FONTANELLE 5708	9- 5	37.5	1.0	1.0	---	47.0	11.9	---	
LEWIS 26	9- 5	37.5	3.0	1.0	---	46.9	15.2	---	
HOFLER GEM	9- 5	36.0	2.5	1.0	---	46.7	14.1	---	
CENTURY	9- 5	33.5	1.0	1.0	1.0	46.6	15.1	18.6	
MCALLISTER 8341	9- 5	36.5	1.5	1.0	---	46.4	13.9	---	
AMERICANA MARINER	9- 5	36.0	2.0	1.0	1.3	44.8	16.8	19.0	
MCALLISTER BARON	9- 5	36.0	2.5	1.0	---	44.8	15.7	---	
SRF 250	9- 5	33.0	1.0	---	---	44.4	---	---	
HILL HS 3000	9- 4	33.5	1.5	---	---	44.4	---	---	
RING AROUND 280	9- 4	41.0	2.5	1.0	---	42.9	11.6	---	
FS HISOY BRAND HS 265	9- 2	31.0	1.0	---	---	40.2	---	---	
MATURITY GROUP AVERAGE	9- 3	35.8	1.6			47.1	14.7		
MATURITY GROUP LSD AT .05	NS	NS	NS			NS	NS		
MATURITY GROUP 3									
STINE 3760	9-10	35.5	1.0	---	---	56.2**	---	---	
OHLE 3238	9- 6	38.0	2.0	---	---	54.1*	---	---	
RANDELL HAWK	9- 6	40.0	1.0	---	---	53.7*	---	---	
REEDS 333	9- 6	39.0	1.5	1.0	1.0	53.6*	16.3	19.7	
PELLA 85	9-12	36.0	1.5	---	---	53.0*	---	---	
MERSCHMAN TRUMAN II	9- 5	40.5	2.0	1.0	1.0	53.0*	16.2	15.2	
SPRITE	9- 8	22.0	1.0	1.0	1.0	52.0*	16.6	14.7	
RAY CARROLL CARROLL	9- 8	42.0	1.5	---	---	52.0*	---	---	
FS HISOY BRAND HS 348	9-11	40.5	1.0	---	---	51.7*	---	---	
OHLE 3288	9- 9	36.0	1.0	---	---	51.4*	---	---	
ASGROW A3427	9- 6	34.5	1.0	---	---	51.3*	---	---	
MCCUBBIN TROY	9- 6	37.0	1.5	1.0	---	51.2*	18.3*	---	
WILSON BLEND 3560	9- 6	44.5	2.5	---	---	51.1*	---	---	
SILER SS 320	9- 7	42.0	2.0	---	---	51.0*	---	---	
CRESTLAND 3301A	9- 4	42.0	2.0	---	---	51.0*	---	---	
FUNK'S G3399	9-10	40.5	1.0	---	---	50.8*	---	---	
BRAD 34	9- 6	38.5	1.5	---	---	50.8*	---	---	
RIVERSIDE 3605	9- 7	40.0	1.5	---	---	50.7*	---	---	
FONTANELLE 6464	9- 9	42.5	2.5	1.0	1.6	50.7*	17.2*	20.0	
MCALLISTER DYNAMO II	9- 4	40.5	1.5	1.0	---	50.5*	16.3	---	
WILSON BLEND 3230	9- 4	40.5	1.5	---	---	50.4*	---	---	
HOFLER CORAL	9- 8	39.0	1.5	1.0	---	50.4*	13.6	---	
S-BRAND S-56A	9- 7	37.5	2.0	1.0	1.3	50.3*	14.7	18.8	
MCALLISTER 8493	9- 7	41.5	2.5	1.0	---	50.3*	17.6*	---	
PRIZE 3500	9- 5	38.0	1.5	---	---	50.2*	---	---	
S-BRAND S-53A	9- 4	36.5	1.0	---	---	50.1*	---	---	
DESROY 975	9- 7	38.0	1.0	1.0	---	50.1*	17.8*	---	
ROHM & HAAS RHS463	9-10	42.5	1.5	---	---	50.1*	---	---	
BRAD 39	9- 8	37.5	1.5	---	---	50.1*	---	---	
HOBBIT	9- 7	22.5	1.0	1.0	1.0	49.8*	15.0	19.1	
AMERICANA SENTRY	9- 8	36.0	1.5	---	---	49.8*	---	---	
SILER SS 325	9- 5	38.5	2.0	---	---	49.8*	---	---	
KRUGER K4121	9- 5	40.5	1.5	---	---	49.8*	---	---	
BIN BUSTER 3802	9-13	38.0	1.0	---	---	49.6*	---	---	
ASGROW A3803	9- 8	35.5	1.0	---	---	49.6*	---	---	
OHLE 3380	9- 7	40.5	1.5	1.0	---	49.5*	17.6*	---	
LEWIS 34	9- 7	38.5	2.0	1.0	---	49.4*	14.6	---	
MERSCHMAN KENNEDY	9- 7	42.0	1.5	1.0	1.3	49.3*	18.7*	17.4	
HOFLER TOPAZ	9- 5	40.5	2.0	1.0	---	49.1	14.5	---	
SHERMAN	9-12	33.5	2.0	---	---	49.0	---	---	
FONTANELLE 6540	9-10	41.5	2.5	1.0	---	48.9	16.7	---	
AMERICANA RIVAL	9-10	37.0	1.5	1.0	---	48.7	16.3	24.1*	
REEDS 320	9- 7	40.0	1.5	1.0	1.6	48.7	18.6*	17.9	
COKER 393	9-11	39.5	1.0	---	---	48.6	---	---	
MCALLISTER ECLIPSE	9-10	46.0	2.5	1.0	---	48.4	13.2	---	
RESEARCH SEED RS 3330	9- 4	39.5	1.5	1.0	---	48.4	17.1*	---	
BIN BUSTER 4250	9-12	42.5	1.5	---	---	48.3	---	---	
S-BRAND S-49B	9- 4	36.0	2.0	---	---	48.3	---	---	
KING CITY KC-853	9- 7	42.5	1.0	---	---	48.3	---	---	
AGRIPRO HP3700	9- 9	42.0	2.0	---	---	48.1	---	---	
S-BRAND S-58A	9- 5	36.5	1.5	1.0	---	48.0	12.4	---	
KRUGER KB3133	9- 6	33.5	1.0	---	---	48.0	---	---	
MERSCHMAN MONROE	9- 6	36.5	2.0	---	---	48.0	---	---	
RIVERSIDE 2019	9- 8	40.5	1.5	1.0	---	47.9	14.2	---	
NECO 950	9- 8	39.0	1.5	---	---	47.9	---	---	
NECO 1000	9-11	41.5	1.5	1.0	---	47.8	18.3*	---	
OHLE 3228	9- 7	37.0	2.5	---	---	47.8	---	---	

TABLE 4. CONTINUED.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
S-BRAND S-60H	9- 9	39.0	1.0	---	---	47.7	---	---
HARPER	9- 8	35.5	1.0	1.0	1.0	47.6	16.2	17.7
FS HISOY 322 BRAND	9- 6	38.5	2.0	---	---	47.5	---	---
ZANE	9- 6	41.0	2.0	1.0	---	47.4	13.8	---
FUNK'S G3396	9-11	44.0	1.5	1.0	1.3	47.4	15.6	25.7**
STINE 3770	9- 8	39.5	1.5	---	---	47.4	---	---
HOFLER CRYSTAL	9- 9	40.0	1.0	---	---	47.1	---	---
SHISSLER GR8 388	9- 9	38.0	1.5	1.0	---	47.1	16.4	---
REEDS 390	9-11	41.0	1.5	---	---	46.9	---	---
SHISSLER GR8 367	9- 7	41.5	1.5	1.0	3.3	46.9	17.6*	17.7
NORTHRUP KING S39-99	9-12	36.5	1.0	---	---	46.8	---	---
RESEARCH SEED RS 3590	9- 9	40.5	2.0	1.0	---	46.8	14.8	---
DESOY 888	9- 4	38.0	1.5	---	---	46.7	---	---
PELLA	9- 5	38.5	1.0	1.0	1.0	46.6	17.4*	18.8
SRF MATSOY	9- 6	43.0	3.0	1.0	2.0	46.6	14.2	22.7*
LAND O' LAKES L4106	9- 7	45.0	2.0	1.0	1.6	46.6	19.3*	21.3*
KING CITY KC-954	9- 6	40.5	1.5	---	---	46.5	---	---
RIVERSIDE 202R	9- 7	39.5	1.5	1.0	1.6	46.4	20.3*	14.1
REEDS 330	9- 8	31.5	1.5	1.0	1.3	46.2	16.0	21.0*
PIONEER 3981	9- 9	38.5	2.0	1.0	1.6	46.2	15.5	19.5
NORTHRUP KING S30-31	9- 7	37.5	2.0	1.0	1.3	46.1	15.1	13.5
RESEARCH SEED RS 3490	9- 9	44.5	2.5	1.0	---	46.0	20.4*	---
CUMBERLAND	9- 8	42.0	2.0	1.0	1.0	45.9	15.2	20.8*
JMS 3482	9- 5	40.5	2.5	1.0	1.0	45.8	17.4*	19.1
RING AROUND 303	9- 4	33.5	1.0	1.0	---	45.7	14.5	---
RESEARCH SEED RS 3530	9- 4	32.0	1.0	1.0	---	45.6	11.9	---
RIVERSIDE 3505	9- 6	38.5	2.0	---	---	45.5	---	---
DIAMOND BRAND D315	9- 8	40.0	2.0	---	---	45.4	---	---
RANDELL CYCLONE II	9-10	47.0	1.0	1.0	2.6	45.4	15.6	19.9
PRIZE 3400	9- 8	42.5	2.0	---	---	45.4	---	---
HILL HS 4150	9-13	51.5	1.5	1.0	1.6	45.4	13.7	18.3
BRAD 35	9- 4	36.5	1.0	---	---	45.4	---	---
WILLIAMS 82	9-11	41.5	1.5	1.0	1.3	45.2	17.1*	23.7*
FORTUNE 666E	9- 8	40.5	1.5	1.0	1.0	45.2	14.8	20.6
ASGROW A3966	9-10	47.5	2.5	1.0	1.3	45.2	20.0*	19.6
MERSCHMAN EISENHOWER	9- 9	40.5	2.0	---	---	45.0	---	---
DEKALB-PFIZER CX380	9- 9	42.0	1.5	1.0	1.6	44.3	18.4*	21.9*
MCB S19AA	9-12	49.0	1.0	---	---	44.3	---	---
KRUGER KB375	9- 6	30.5	1.5	1.0	---	44.1	14.9	---
S-BRAND S-52A	9- 5	40.0	2.0	1.0	1.3	43.6	12.9	17.4
MERSCHMAN JEFFERSON IV	9- 7	39.5	1.5	---	---	43.5	---	---
DIAMOND BRAND D320B	9-10	41.0	1.5	---	---	43.4	---	---
WILLIAMS	9- 9	45.0	2.0	1.0	1.6	43.1	19.1*	21.7*
SRF 350P	9- 8	45.0	2.0	1.0	1.3	42.8	14.6	19.6
FAYETTE	9-10	43.5	3.0	1.0	1.3	42.7	19.6*	16.8
SRF 390	9- 8	43.5	1.0	---	---	42.6	---	---
FFR 331	9- 5	47.0	2.5	---	---	42.0	---	---
MERSCHMAN KENNEDY II	9- 5	34.5	1.5	---	---	41.6	---	---
DIAMOND BRAND D330	9-11	44.5	1.5	---	---	40.7	---	---
SRF 307P	9- 7	46.0	2.0	1.0	1.3	40.3	16.2	16.0
MATURITY GROUP AVERAGE	9- 7	39.6	1.6	---	---	47.9	15.8	---
MATURITY GROUP LSD AT .05	2	4.8	NS	---	---	7.0	4.5	---
MATURITY GROUP 4								
HOFLER QUARTZ	9-10	37.6	1.4	---	---	54.5**	---	---
PIXIE	9-11	30.6	1.1	1.0	1.3	50.4*	16.7	21.0*
STINE 4500	9- 9	39.6	1.7	1.0	---	50.1*	20.6*	---
PRIZE 828	9-15	50.6	2.6	1.0	2.3	49.4*	16.0	21.6*
MFA PV 42	9-14	44.3	1.6	1.0	1.0	49.1*	17.4	21.8*
DEKALB-PFIZER CX415	9-10	42.0	1.0	---	---	49.0*	---	---
OHLDE 4331	9-11	42.3	1.7	---	---	48.9*	---	---
OHLDE 4344	9-13	47.6	1.6	---	---	48.7*	---	---
MCALLISTER 8400	9- 9	41.0	1.5	---	---	48.3*	---	---
NORTHRUP KING S42-30	9- 9	39.3	1.0	---	---	47.9*	---	---
REEDS 440	9-12	37.0	1.2	1.0	1.0	47.8	14.9	25.4*
KELLER PATTON	9-15	51.0	2.6	1.0	3.3	47.6	15.2	21.1*
REEDS 444	9-14	48.6	2.1	1.0	2.3	47.3	19.1*	21.5*
AMERICANA JACKSON	9- 9	48.0	2.3	1.0	---	47.2	21.3*	---
RING AROUND 404	9-15	41.6	1.5	---	---	47.1	---	---
RIVERSIDE 2024	9- 9	45.0	1.3	1.0	1.6	47.0	17.0	24.1*
MERSCHMAN HARRIS	9- 9	40.3	2.0	---	---	47.0	---	---
S-BRAND S-65	9- 8	39.3	1.4	1.0	---	46.9	15.1	---
RANDELL FREMONT	9- 5	35.6	1.3	---	---	46.9	---	---
RANDELL FREMONT II	9- 5	39.3	1.3	---	---	46.7	---	---
JMS 4383	9-10	43.3	1.7	1.0	---	46.5	14.6	---
STINE 4190	9-14	50.3	2.3	---	---	46.4	---	---
RIPLEY	9-12	32.5	2.5	---	---	45.9	---	---
MERSCHMAN BOSTON	9-11	44.0	1.8	1.0	---	45.8	21.0*	---
NORTHRUP KING S42-40	9-12	40.6	1.0	1.0	---	45.7	18.9*	---
MERSCHMAN HOUSTON	9-11	46.6	2.0	---	---	45.6	---	---
PIONEER 9441	9-12	42.6	1.3	---	---	45.6	---	---
BRAD 41	9- 9	40.0	1.2	---	---	45.6	---	---
AMERICANA B567	9-14	48.6	2.0	---	---	45.5	---	---
MERSCHMAN WILLIAMSBURG	9- 9	41.3	1.6	---	---	45.4	---	---

TABLE 4. CONTINUED.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
RAY CARROLL RAY	9-10	45.0	2.0	--	--	45.2	--	--
FORTUNE 747E	9- 8	41.3	1.3	--	--	45.1	--	--
AGRIPRO AP4321	9-12	37.6	1.3	--	--	45.0	--	--
OHLDE 4386	9-14	48.6	2.3	1.0	--	44.6	15.9	--
AGRIPRO AP350	9-16	50.3	1.9	1.0	3.0	44.2	22.3**	17.8
SHISSLER GR8 420	9-10	42.6	1.7	--	--	44.2	--	--
DIAMOND BRAND D355B	9-11	47.3	2.0	1.0	--	44.1	18.9*	--
MERSCHMAN DENVER II	9-13	48.0	1.7	1.0	2.3	44.0	18.4*	20.5
MCALLISTER 8423	9-11	42.0	2.2	1.0	--	43.9	16.5	--
MERSCHMAN MEMPHIS	9-10	47.0	2.3	--	--	43.8	--	--
AGRIPRO AP420	9-13	50.3	1.7	1.0	2.3	43.5	19.5*	20.2
JMS 4982	9-13	47.0	2.0	1.0	--	43.5	15.5	--
MERSCHMAN ATLANTA	9-10	45.0	1.2	1.0	2.6	43.3	18.8*	18.7
MCCUBBIN ALBANY II	9-11	47.6	1.6	1.0	1.6	42.8	17.9*	19.4
MERSCHMAN DALLAS	9-14	50.6	2.4	1.0	2.3	42.8	17.1	20.5
NECO 1350	9-14	51.3	2.4	1.0	--	42.7	15.0	--
FORTUNE 727	9- 9	38.3	1.0	1.0	1.0	42.4	14.8	20.6
UNION	9-10	47.6	1.4	1.0	1.6	42.0	19.7*	17.3
SRF 425	9-11	49.0	1.9	1.0	3.0	42.0	17.7	19.9
AMERICANA DIXIE	9-16	48.6	2.1	--	--	41.1	--	--
SRF 450P	9-15	46.0	1.6	1.0	4.0	40.1	11.7	19.6
LEWIS 48	9-10	34.3	1.0	--	--	40.0	--	--
SRF HOBSON	9-11	41.0	2.4	1.0	1.6	39.8	20.0*	16.2
DIAMOND BRAND D351	9-10	44.0	1.2	--	--	39.3	--	--
CLARK 63	9-11	48.6	2.3	1.0	2.6	38.3	15.9	25.3*
MATURITY GROUP AVERAGE	9-12	43.8	1.7			45.3	16.7	
MATURITY GROUP LSD AT .05	2	6.7	1.0			6.6	4.5	
TRIAL AVERAGE		40.5	1.6	1.0	1.5	47.0	15.9	18.6
TRIAL LSD AT .05								5.0

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 5. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR NOVELTY ON THE GREENLEY MEMORIAL CENTER DURING 1983-85. HARVESTED: 6,7 JANUARY 1986. PLANTING RATE: 9 SEEDS/FT. PLANTED: 9 MAY 1985.

BRAND-VARIETY	1985		LOGGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATURITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 2								
S-BRAND S-48C	9-20	43.5	2.3	---	---	36.3**	---	---
FONTANELLE 5708	9-22	38.9	2.0	1.0	---	36.0*	20.6	---
RIVERSIDE 3033	9-19	37.6	2.3	1.0	1.0	34.8**	25.5	14.0
SRF 250	9-22	39.2	1.3	---	1.0	33.9**	---	9.2
FONTANELLE 6161	9-23	41.0	2.0	1.0	1.0	33.2**	20.7	17.3*
CENTURY	9-17	36.2	2.6	1.0	1.0	31.9**	19.2	9.9
MCALLISTER BARON	9-21	38.8	2.6	1.0	---	31.6**	20.6	---
HOFLER GEM	9-20	36.7	2.3	1.0	---	30.7*	24.3	---
HILL HS 3000	9-25	41.7	2.3	---	---	29.6	---	---
LEWIS 26	9-20	37.4	3.3	1.0	---	29.1	24.5	---
JMS 2382	9-20	37.3	2.3	---	1.0	27.8	---	15.0
REEDS 222	9-20	38.6	2.3	1.0	1.0	27.3	24.3	13.1
KELLER KNOX	9-21	38.9	2.6	1.0	1.0	27.3	20.9	13.2
RING AROUND 280	9-21	40.6	3.0	1.0	---	26.9	21.4	---
MCCUBBIN TAYLOR	9-19	37.5	1.6	1.0	---	26.8	25.9**	---
MCALLISTER 8341	9-20	37.7	2.0	1.0	---	25.6	21.0	---
RANDELL MAHASKA	9-21	39.3	2.0	1.0	1.0	25.3	22.6	13.7
AMERICANA MARINER	9-19	36.3	3.0	1.0	1.0	22.7	20.2	16.4*
FS HISOY BRAND HS 265	9-21	33.6	1.3	---	---	17.4	---	---
MATURITY GROUP AVERAGE	9-21	38.6	2.4	---	---	29.1	21.9	---
MATURITY GROUP LSD AT .05	3	NS	0.7	---	---	6.5	NS	---
MATURITY GROUP 3								
SHISSLER GR8 388	9-27	36.0	2.3	1.0	---	48.3**	18.9*	---
FONTANELLE 6464	9-26	42.0	2.2	1.0	1.0	45.9**	14.1	12.2
NEO 1000	9-27	35.3	3.2	1.0	---	45.0*	19.8*	---
HOFLER CORAL	9-21	38.6	2.3	1.0	---	43.5**	14.8	---
S-BRAND S-53A	9-22	36.3	2.3	---	---	43.4**	---	---
COCKER 393	9-25	35.6	2.0	---	---	43.2**	---	---
NORTHROP KING S39-99	9-28	38.0	2.2	---	---	42.9**	---	---
KRUGER KB375	9-18	36.6	1.9	1.0	---	42.2**	17.1	---
MCALLISTER ECLIPSE	9-29	41.3	2.6	1.0	---	42.2**	14.8	---
S-BRAND S-60H	9-26	35.6	1.3	---	---	42.0**	---	---
ASGROW A3966	10- 2	44.6	2.3	1.0	1.0	41.7**	20.3*	13.1
BRAD 39	9-26	36.3	2.6	---	---	41.5**	---	---
JMS 3482	9-22	37.0	2.6	1.0	1.0	41.0	15.2	11.7
FS HISOY 322 BRAND	9-23	39.3	2.6	---	---	40.7	---	---
S-BRAND S-56A	9-19	37.6	2.3	1.0	1.0	40.6	14.9	10.7
AMERICANA RIVAL	9-26	36.6	3.0	1.0	1.0	40.6	16.4	14.2
SRF 390	9-25	34.6	2.3	---	---	40.4	---	---
SILER SS 325	9-28	39.0	2.7	---	---	40.4	---	---
BIN BUSTER 3802	9-30	38.0	2.7	---	---	40.4	---	---
PRIZE 3500	9-19	37.3	2.9	---	---	40.4	---	---
STINE 3770	9-26	36.6	2.3	---	---	40.1	---	---
MERSCHMAN TRUMAN II	9-22	37.0	2.0	1.0	1.0	40.0	17.5	9.8
ROHM & HAAS RHS463	10- 1	44.3	3.6	---	---	40.0	---	---
BIN BUSTER 4250	9-28	39.0	3.0	---	---	39.9	---	---
FS HISOY BRAND HS 348	9-27	38.6	2.3	---	---	39.7	---	---
RIVERSIDE 3505	9-23	39.3	3.3	---	---	39.6	---	---
FAYETTE	9-28	39.3	2.3	1.0	1.3	39.5	21.0*	16.6*
HOFLER CRYSTAL	9-19	37.0	2.6	---	---	39.5	---	---
FUNK'S G3399	9-27	37.6	1.9	---	---	39.5	---	---
ASGROW A3803	9-26	34.0	1.0	---	---	39.5	---	---
SHERMAN	9-17	29.7	1.7	---	---	39.4	---	---
RIVERSIDE 3605	9-27	36.0	2.9	---	---	39.3	---	---
WILLIAMS 82	9-26	39.0	2.3	1.0	1.0	39.1	17.0	14.5
CRESTLAND 3301A	9-18	36.0	2.0	---	---	39.0	---	---
KRUGER KB3133	9-22	34.3	1.9	---	---	39.0	---	---
MCALLISTER 8493	9-26	39.0	2.6	1.0	---	39.0	16.6	---
OHLDE 3288	9-27	34.0	2.3	---	---	38.8	---	---
RESEARCH SEED RS 3330	9-20	36.0	2.6	1.0	---	38.8	18.0	---
AMERICANA SENTRY	9-27	35.0	1.9	---	---	38.6	---	---
PRIZE 3400	9-27	37.6	2.0	---	1.0	38.5	---	13.1
OHLDE 3238	9-22	41.3	2.6	---	---	38.5	---	---
STINE 3760	9-28	35.6	1.3	---	---	38.3	---	---
LEWIS 34	9-25	39.3	2.9	1.0	---	38.2	19.6*	---
FUNK'S G3396	9-26	40.3	1.9	1.0	1.0	38.1	17.9	16.9*
HILL HS 4150	10- 7	48.6	2.3	1.0	1.0	38.0	15.5	13.7
KING CITY KC-853	9-18	38.6	1.9	---	---	37.9	---	---
KING CITY KC-954	9-21	37.3	3.0	---	---	37.9	---	---
WILSON BLEND 3560	9-25	37.3	2.6	---	---	37.8	---	---
RAY CARROLL CARROLL	9-22	35.6	2.3	---	---	37.7	---	---
S-BRAND S-49B	9-22	35.0	1.9	---	---	37.6	---	---
MERSCHMAN EISENHOWER	9-24	38.6	2.2	---	---	37.6	---	---
MCB S19AA	10- 4	45.0	2.2	---	---	37.6	---	---
MCALLISTER DYNAMO II	9-22	38.3	2.2	1.0	---	37.5	14.6	---
DESQY 975	9-20	33.0	2.0	1.0	---	37.4	19.0*	---
FONTANELLE 6540	9-29	38.3	2.3	1.0	---	37.4	16.1	---
S-BRAND S-52A	9-21	36.3	2.0	1.0	1.0	37.1	20.4*	9.1
MERSCHMAN MONROE	9-24	39.3	2.6	---	---	37.1	---	---

TABLE 5. CONTINUED.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MERSCHMAN KENNEDY	9-25	37.6	1.6	1.0	1.0	36.7	18.0	16.0*
REEDS 390	9-26	34.3	2.3	---	---	36.6	---	---
RESEARCH SEED RS 3490	9-26	38.0	2.3	1.0	---	36.6	19.6*	---
HOFLER TOPAZ	9-25	37.6	2.3	1.0	---	36.3	17.4	---
SILER SS 320	9-24	38.0	2.1	---	---	36.2	---	---
MERSCHMAN JEFFERSON IV	9-23	35.3	2.3	---	---	36.2	---	---
RANDELL CYCLONE II	10-1	44.7	3.0	1.0	1.0	35.9	20.5*	16.8*
PIONEER 3981	9-24	36.6	1.6	1.0	1.0	35.9	18.6*	14.1
OHLDE 3228	9-24	35.3	2.7	---	---	35.8	---	---
HARPER	9-19	32.3	1.0	1.0	1.0	35.5	16.5	14.4
WILLIAMS	9-28	40.3	1.9	1.0	1.0	35.5	16.0	14.3
RIVERSIDE 202R	9-22	38.0	1.6	1.0	1.0	35.4	17.6	16.1*
SRF MATSOY	9-25	43.6	3.0	1.0	1.0	35.1	21.9*	13.4
DEKALB-PFIZER CX380	9-22	38.6	2.3	1.0	1.3	34.7	15.6	15.0
RANDELL HAWK	9-21	33.0	1.1	---	---	34.5	---	---
DIAMOND BRAND D320B	9-27	41.0	1.6	---	---	34.4	---	---
LAND O'LAKES L4106	9-25	42.3	1.9	1.0	1.0	34.3	23.0**	19.2**
REEDS 320	9-20	36.0	1.9	1.0	1.0	34.2	19.1*	14.6
PELLA 85	9-18	34.7	1.1	---	---	34.0	---	---
KRUGER K4121	9-25	37.6	2.2	---	---	34.0	---	---
DIAMOND BRAND D315	9-25	37.6	2.2	---	---	33.8	---	---
DIAMOND BRAND D330	9-27	42.3	2.3	---	---	33.6	---	---
CUMBERLAND	9-19	37.3	2.0	1.0	1.0	33.5	18.3	13.2
WILSON BLEND 3230	9-20	37.6	2.6	---	---	33.5	---	---
REEDS 330	10-1	28.6	1.0	1.0	1.0	33.4	16.1	10.2
RING AROUND 303	9-18	36.0	2.6	1.0	---	33.4	18.9*	---
S-BRAND S-58A	9-19	33.3	1.6	1.3	---	33.2	11.6	---
BRAD 35	9-20	35.0	3.0	---	---	33.0	---	---
SRF 350P	9-25	41.0	2.6	1.0	1.0	32.8	20.4*	14.1
ASGROW A3427	9-20	34.6	1.9	---	---	32.8	---	---
MERSCHMAN KENNEDY II	9-21	36.0	1.0	---	---	32.6	---	---
MCCUBBIN TROY	9-22	37.6	2.0	1.0	---	31.9	22.8*	---
SHISSLER GR8 367	9-26	36.6	2.0	1.0	1.0	31.9	17.5	14.9
PELLA	9-20	36.6	2.0	1.0	1.0	31.3	19.2*	14.9
AGRIPRO HP3700	9-25	38.3	1.6	---	---	31.2	---	---
BRAD 34	9-18	38.0	1.3	---	---	31.2	---	---
OHLDE 3380	9-22	36.6	1.3	1.0	---	30.9	17.8	---
FFR 331	9-19	44.0	2.9	---	---	30.6	---	---
SRF 307P	9-26	44.0	3.3	1.0	1.0	30.2	17.7	16.8*
REEDS 333	9-24	38.6	1.9	1.0	1.0	30.1	18.0	15.3
RESEARCH SEED RS 3590	9-27	38.0	1.6	1.0	---	29.9	19.7*	---
NECO 950	9-18	37.6	1.3	---	---	29.5	---	---
SPRITE	9-26	18.0	1.0	1.0	1.0	29.3	21.1*	13.9
FORTUNE 666E	9-21	38.0	2.3	1.0	1.0	29.3	13.9	9.7
DESROY 888	9-17	37.0	2.0	---	---	28.8	---	---
ZANE	9-19	34.3	1.3	1.0	---	28.7	16.5	---
RESEARCH SEED RS 3530	9-21	34.3	1.6	1.3	---	28.7	12.8	---
RIVERSIDE 2019	9-20	39.6	1.2	1.0	---	28.4	17.9	---
HOBBIT	9-27	17.0	1.0	1.0	1.0	27.2	17.4	12.0
NORTHROP KING S30-31	9-24	39.6	2.6	1.0	1.0	25.8	21.3*	13.9
MATURITY GROUP AVERAGE	9-24	37.4	2.1	---	---	36.3	17.6	---
MATURITY GROUP LSD AT .05	5	3.7	0.7	---	---	7.2	4.4	---
MATURITY GROUP 4								
PIONEER 9441	9-29	38.8	1.1	---	---	45.4**	---	---
OHLDE 4331	9-30	38.8	2.6	---	---	43.4**	---	---
SHISSLER GR8 420	9-30	41.7	2.6	---	---	43.2*	---	---
MFA PV 42	10-7	41.1	2.1	1.3	1.0	43.2*	18.7	15.8*
NORTHROP KING S42-30	9-27	39.1	1.3	---	---	42.9*	---	---
MCALLISTER 8423	10-4	39.4	2.7	1.0	---	42.8*	13.5	---
HOFLER QUARTZ	9-29	41.1	2.0	---	---	42.2*	---	---
JMS 4982	10-10	51.2	3.1	1.0	---	41.9*	20.9*	---
MERSCHMAN MEMPHIS	10-2	42.3	2.4	---	---	41.6*	---	---
RING AROUND 404	10-2	43.7	2.6	---	---	41.5*	---	---
BRAD 41	9-27	40.3	1.0	---	---	41.2*	---	---
NORTHROP KING S42-40	10-3	39.6	2.3	1.0	---	40.9*	20.5*	---
DEKALB-PFIZER CX415	10-2	40.0	2.0	---	---	39.7*	---	---
MERSCHMAN HARRIS	9-28	37.6	2.3	---	---	39.5*	---	---
AGRIPRO AP4321	10-1	37.9	2.1	---	---	39.0*	---	---
MCALLISTER 8400	9-30	41.8	2.7	---	---	39.0*	---	---
MCCUBBIN ALBANY II	10-1	40.3	3.0	1.0	1.0	38.7*	16.3	12.0
OHLDE 4344	9-29	49.8	2.6	---	---	38.7*	---	---
RAY CARROLL RAY	9-29	43.6	1.9	---	---	38.5*	---	---
MERSCHMAN DALLAS	10-5	44.9	3.1	1.0	1.6	38.3*	21.1*	14.9
REEDS 440	9-30	40.0	1.6	1.0	1.0	38.2*	14.3	14.2
AMERICANA B567	10-10	52.2	3.9	---	---	38.0*	---	---
AMERICANA DIXIE	10-4	44.1	2.7	---	---	37.4*	---	---
MERSCHMAN ATLANTA	9-30	41.6	3.0	1.0	1.0	37.2*	13.7	15.5*
MERSCHMAN HOUSTON	9-28	40.7	2.7	---	---	37.0	---	---
NECO 1350	10-5	46.8	3.6	1.0	---	36.4	18.8	---
MERSCHMAN BOSTON	10-4	41.2	3.0	1.0	---	36.3	14.6	---
KELLER PATTON	10-10	49.9	4.4	1.0	1.3	36.2	19.9	15.2
DIAMOND BRAND D351	9-30	44.3	2.6	---	---	35.9	---	---
MERSCHMAN WILLIAMSBURG	9-27	40.3	1.7	---	---	35.9	---	---

TABLE 5. CONTINUED.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
PRIZE 828	10- 4	50.4	3.9	1.0	1.3	35.9	21.7*	15.7*
AGRIPRO AP350	10- 7	47.5	2.7	1.0	1.0	35.7	18.5	15.6*
DIAMOND BRAND D355B	10- 4	45.3	2.6	1.0	---	35.4	15.3	---
REEDS 444	10-10	53.7	3.9	1.0	1.3	35.4	19.7	16.1*
AGRIPRO AP420	10- 8	46.4	3.6	1.0	1.0	35.2	16.0	12.7
OHLE 4386	10-10	51.8	3.9	1.0	---	35.1	21.2*	---
AMERICANA JACKSON	9-27	43.3	2.1	1.0	---	34.8	16.5	---
MERSCHMAN DENVER II	10-10	47.9	3.3	1.0	1.3	34.6	16.0	16.4*
FORTUNE 727	10- 1	39.2	1.2	1.0	1.0	34.5	13.9	9.7
SRF 425	10- 1	45.4	2.6	1.3	1.3	34.2	15.5	16.4*
FORTUNE 747E	10- 2	36.3	1.6	---	---	34.2	---	---
RIPLEY	10- 1	27.0	1.0	---	---	33.7	---	---
STINE 4190	10- 6	52.6	4.0	---	1.3	33.4	---	13.3
SRF 450P	10- 5	45.0	2.6	1.0	0.6	33.1	15.6	14.6
JMS 4383	9-30	45.9	3.0	1.0	---	32.2	16.4	---
S-BRAND S-65	9-27	39.3	1.6	1.0	---	31.6	14.9	---
LEWIS 48	9-28	37.3	2.0	---	---	31.4	---	---
RANDELL FREMONT	9-17	36.4	1.1	---	---	31.3	---	---
STINE 4500	9-27	40.8	1.6	1.0	---	30.7	17.6	---
UNION	9-30	46.0	2.4	1.0	1.0	30.0	19.0	13.9
RIVERSIDE 2024	9-28	45.3	2.3	1.0	1.0	28.3	17.8	13.2
PIXIE	10- 4	18.5	1.0	1.0	1.0	27.8	16.4	16.3*
RANDELL FREMONT II	9-26	36.5	1.4	---	---	27.2	---	---
SRF HOBSON	10- 1	50.7	1.0	1.0	1.0	24.3	18.9	15.4*
CLARK 63	9-29	38.8	3.0	1.0	1.0	22.2	10.8	16.4*
MATURITY GROUP AVERAGE	10- 2	42.2	2.6			36.2	16.9	
MATURITY GROUP LSD AT .05	7	5.1	2.4			8.2	4.0	
TRIAL AVERAGE		39.0	2.2	1.0	1.0	35.5	17.8	13.1
TRIAL LSD AT .05								3.8

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED AT THREE NORTHERN MISSOURI LOCATIONS (FAIRFAX, SPTCKRD, AND NOVELTY) DURING 1985.
PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE (1-5)				YIELD (BU/ACRE)			
	FAIRFAX	SPTCKRD	NOVELTY	MEAN	FAIRFAX	SPTCKRD	NOVELTY	MEAN
MATURITY GROUP 2								
S-BRAND S-48C	2.0	2.0	2.3	2.1	50.8*	50.2	36.3**	45.7**
FONTANELLE 5708	2.6	1.5	2.0	2.0	52.6*	47.0	36.0*	45.2*
RIVERSIDE 3033	3.0	1.5	2.3	2.2	46.8	51.9**	34.8*	44.5*
FONTANELLE 6161	1.5	1.5	2.0	1.6	51.0*	49.5	33.2*	44.5*
REEDS 222	2.9	1.5	2.3	2.2	50.3*	51.1	27.3	42.9*
HOFLER GEM	3.7	2.5	3.3	3.1	50.8*	46.7	30.7*	42.7*
RANDELL MAHASKA	1.0	1.5	2.0	1.5	51.5*	50.9	25.3	42.5*
HILL HS 3000	2.1	1.5	2.3	1.9	52.7**	44.4	29.6	42.2*
CENTURY	2.0	1.0	2.6	1.8	47.7*	46.6	31.9*	42.0*
MCCUBBIN TAYLOR	2.4	1.0	1.6	1.6	48.9*	49.9	26.8	41.8*
JMS 2382	2.8	1.0	2.3	2.0	47.6*	50.0	27.8	41.8*
LEWIS 26	3.5	3.0	3.3	3.2	49.3*	46.9	29.1	41.7*
KELLER KNOX	1.7	1.0	2.6	1.7	49.9*	47.3	27.3	41.5
SRF 250	1.2	1.0	1.3	1.1	44.7	44.4	33.9*	41.0
MCALLISTER 8341	2.6	1.5	2.0	2.0	49.6*	46.4	25.6	40.5
MCALLISTER BARON	3.0	2.5	2.6	2.7	44.5	44.8	31.6*	40.3
RING AROUND 280	1.7	2.5	3.0	2.4	48.1*	42.9	26.9	39.3
AMERICANA MARINER	2.6	2.0	3.0	2.5	47.5*	44.8	22.7	38.3
FS HISOY BRAND HS 265	1.4	1.0	1.3	1.2	41.6	40.2	17.4	33.0
MATURITY GROUP AVERAGE	2.3	1.6	2.4	2.1	48.6	47.1	29.1	41.4
MATURITY GROUP LSD AT .05	0.8	NS	0.7		5.4	NS	6.5	4.0
MATURITY GROUP 3								
HOFLER CORAL	2.6	1.5	2.3	2.1	51.2*	50.4*	43.5*	48.3**
FONTANELLE 6464	2.3	2.5	2.2	2.3	45.9	50.7*	45.9*	47.5*
RIVERSIDE 3605	2.3	1.5	2.9	2.2	52.4**	50.7*	39.3	47.4*
OHLDE 3238	1.6	2.0	2.6	2.0	49.6**	54.1*	38.5	47.4*
STINE 3760	1.3	1.0	1.3	1.2	47.1*	56.2**	38.3	47.2*
S-BRAND S-53A	1.3	1.0	2.3	1.5	46.4	50.1*	43.4*	46.6*
SHISSLER GR8 388	2.0	1.5	2.3	1.9	44.6	47.1	48.3**	46.6*
S-BRAND S-56A	1.6	2.0	2.3	1.9	48.8*	50.3*	40.6	46.5*
CRESTLAND 3301A	2.0	2.0	2.0	2.0	49.0*	51.0*	39.0	46.3*
BRAD 39	1.6	1.5	2.6	1.9	47.1*	50.1*	41.5*	46.2*
FS HISOY BRAND HS 348	1.6	1.0	2.3	1.6	47.0	51.7*	39.7	46.1*
SILER SS 325	1.3	2.0	2.7	2.0	47.8*	49.8*	40.4	46.0*
RANDELL HAWK	1.0	1.0	1.1	1.0	49.9*	53.7*	34.5	46.0*
S-BRAND S-60H	1.0	1.0	1.3	1.1	48.0*	47.7	42.0*	45.9*
HOFLER CRYSTAL	1.6	1.0	2.6	1.7	51.1*	47.1	39.5	45.9*
ASGROW A3803	1.3	1.0	1.0	1.1	48.8*	49.6*	39.5	45.9*
FS HISOY 322 BRAND	2.0	2.0	2.6	2.2	49.7*	47.5	40.7	45.9*
NECO 1000	2.0	1.5	3.2	2.2	44.6	47.8	45.0*	45.8*
NORTHROP KING S39-99	1.0	1.0	2.2	1.4	47.7*	46.8	42.9*	45.8*
SHERMAN	1.3	2.0	1.7	1.7	48.3*	49.0	39.4	45.6*
MERSCHMAN TRUMAN II	1.3	2.0	2.0	1.7	43.7	53.0*	40.0	45.5*
COKER 393	1.3	1.0	2.0	1.4	44.6	48.6	43.2*	45.4*
MCALLISTER 8493	1.6	2.5	2.6	2.2	46.8	50.3*	39.0	45.3*
WILSON BLEND 3560	2.3	2.5	2.6	2.4	46.8	51.1*	37.8	45.2*
DESOY 975	1.3	1.0	2.0	1.4	48.2*	50.1*	37.4	45.2*
KRUGER KB3133	1.0	1.0	1.9	1.3	48.4*	48.0	39.0	45.1*
RESEARCH SEED RS 3330	2.3	1.5	2.6	2.1	48.2*	48.4	38.8	45.1*
BIN BUSTER 3802	2.7	1.0	2.7	2.1	44.6	49.6*	40.4	44.9*
PRIZE 3500	2.6	1.5	2.9	2.3	44.1	50.2*	40.4	44.9*
STINE 3770	2.0	1.5	2.3	1.9	47.3*	47.4	40.1	44.9*
MCALLISTER DYNAMO II	2.0	1.5	2.2	1.9	46.7	50.5*	37.5	44.9*
AMERICANA RIVAL	2.0	1.5	3.0	2.1	45.1	48.7	40.6	44.8*
OHLDE 3288	1.3	1.0	2.3	1.5	44.4	51.4*	38.8	44.8*
SILER SS 320	1.7	2.0	2.1	1.9	46.8	51.0*	36.2	44.7*
MCALLISTER ECLIPSE	2.6	2.5	2.6	2.5	43.4	48.4	42.2*	44.6
RIVERSIDE 3505	2.3	2.0	3.3	2.5	48.5*	45.5	39.6	44.5
JMS 3482	1.6	2.5	2.6	2.2	46.7	45.8	41.0	44.5
ROHM & HAAS RHS463	1.6	1.5	1.6	1.5	43.6	50.1*	40.0	44.5
S-BRAND S-49B	1.3	2.0	1.9	1.7	47.3*	48.3	37.6	44.4
AMERICANA SENTRY	2.3	1.5	1.9	1.9	44.6	49.8*	38.6	44.3
FUNK'S G3399	1.6	1.0	1.9	1.5	42.6	50.8*	39.5	44.3
KRUGER K4121	1.6	1.5	2.2	1.7	49.3*	49.8*	34.0	44.3
KRUGER KB375	1.6	1.5	1.9	1.6	46.8	44.1	42.2*	44.3
PELLA 85	1.3	1.5	1.1	1.3	45.6	53.0*	34.0	44.2
REEDS 333	1.6	1.5	1.9	1.6	48.9*	53.6*	30.1	44.2
RAY CARROLL CARROLL	2.3	1.5	2.3	2.0	42.9	52.0*	37.7	44.2
ASGROW A3427	1.6	1.0	1.9	1.5	48.3*	51.3*	32.8	44.1
BIN BUSTER 4250	2.7	1.5	3.0	2.4	43.0	48.3	39.9	44.0
HARPER	1.0	1.0	1.0	1.0	48.8*	47.6	35.5	43.9
MCCUBBIN TROY	1.0	1.5	2.0	1.5	48.6*	51.2*	31.9	43.9
MERSCHMAN MONROE	2.0	2.0	2.6	2.2	46.6	48.0	37.1	43.9
LEWIS 34	1.3	2.0	2.9	2.0	43.8	49.4*	38.2	43.8
KING CITY KC-853	1.3	1.0	1.9	1.4	45.2	48.3	37.9	43.8
S-BRAND S-58A	1.3	1.5	1.6	1.4	49.7*	48.0	33.2	43.6
HOFLER TOPAZ	1.6	2.0	2.3	1.9	45.5	49.1	36.3	43.6
MERSCHMAN KENNEDY	2.0	1.5	1.6	1.7	44.9	49.3*	36.7	43.6
SPRITE	1.6	1.0	1.0	1.2	49.3*	52.0*	29.3	43.5
OHLDE 3228	2.3	2.5	2.7	2.5	47.0	47.8	35.8	43.5

TABLE 6. CONTINUED.

BRAND-VARIETY	LOGGING SCORE (1-5)				YIELD (BU/ACRE)			
	FAIRFX	SPICKARD	NOVELTY	MEAN	FAIRFX	SPICKARD	NOVELTY	MEAN
PRIZE 3400	1.3	2.0	2.0	1.7	46.5	45.4	38.5	43.4
WILSON BLEND 3230	2.0	1.5	2.6	2.0	45.9	50.4*	33.5	43.2
FONTANELLE 6540	2.3	2.5	2.3	2.3	43.3	48.9	37.4	43.2
OHLDE 3380	1.3	1.5	1.3	1.3	49.0*	49.5*	30.9	43.1
KING CITY KC-954	2.0	1.5	3.0	1.9	44.8	46.5	37.9	43.1
REEDS 320	1.0	1.5	1.9	1.4	46.0	48.7	34.2	42.9
PIONEER 3981	1.6	2.0	1.6	1.7	45.9	46.2	35.9	42.6
REEDS 390	2.0	1.5	2.3	1.9	44.0	46.9	36.6	42.5
REEDS 330	1.0	1.5	1.0	1.2	47.5*	46.2	33.4	42.3
ASGROW A3966	1.6	2.5	2.3	2.1	40.2	45.2	41.7*	42.3
S-BRAND S-52A	2.0	2.0	2.0	2.0	46.1	43.6	37.1	42.2
FUNK'S G3396	1.3	1.5	1.9	1.5	41.1	47.4	38.1	42.2
WILLIAMS 82	2.0	1.5	2.3	1.9	41.9	45.2	39.1	42.0
AGRIFRO HP3700	1.3	2.0	1.6	1.6	46.8	48.1	31.2	42.0
BRAD 34	1.3	1.5	1.3	1.3	44.1	50.8*	31.2	42.0
DIAMOND BRAND D315	1.6	2.0	2.2	1.9	46.6	45.4	33.8	41.9
SHISSLER GR8 367	1.3	1.5	2.0	1.6	46.9	46.9	31.9	41.9
RIVERSIDE 202R	1.6	1.5	1.6	1.5	43.3	46.4	35.4	41.7
MERSCHMAN JEFFERSON IV	1.6	1.5	2.3	1.8	45.5	43.5	36.2	41.7
MERSCHMAN EISENHOWER	2.0	2.0	2.2	2.0	42.6	45.0	37.6	41.7
RESEARCH SEED RS 3490	1.6	2.5	2.3	2.1	42.5	46.0	36.6	41.7
SRF 390	2.3	1.0	2.3	1.8	42.0	42.6	40.4	41.6
LAND O'LAKES L4106	2.0	2.0	1.9	1.9	44.1	46.6	34.3	41.6
HOBBIT	1.0	1.0	1.0	1.0	47.7*	49.8*	27.2	41.5
SRF MATSOY	3.6	3.0	3.0	3.2	42.4	46.6	35.1	41.3
RING AROUND 303	2.3	1.0	2.6	1.9	44.9	45.7	33.4	41.3
CUMBERLAND	2.3	2.0	2.0	2.1	44.3	45.9	33.5	41.2
DEKALB-PFIZER CX380	1.6	1.5	2.3	1.8	44.6	44.3	34.7	41.2
FAYETTE	1.6	3.0	2.3	2.3	41.2	42.7	39.5	41.1
RANDELL CYCLONE II	2.0	1.0	3.0	2.0	42.0	45.4	35.9	41.1
ZANE	1.6	2.0	1.3	1.6	46.9	47.4	28.7	41.0
BRAD 35	1.6	1.0	3.0	1.8	44.6	45.4	33.0	41.0
PELLA	1.6	1.0	2.0	1.5	44.7	46.6	31.3	40.8
RESEARCH SEED RS 3530	1.3	1.0	1.6	1.3	48.2*	45.6	28.7	40.8
DESOY 888	1.6	1.5	2.0	1.7	46.0	46.7	28.8	40.5
HILL HS 4150	2.0	1.5	2.2	1.9	38.0	45.4	38.0	40.4
RIVERSIDE 2019	1.6	1.5	1.2	1.4	44.6	47.9	28.4	40.3
RESEARCH SEED RS 3590	1.3	2.0	1.6	1.6	44.1	46.8	29.9	40.2
DIAMOND BRAND D320B	1.6	1.5	1.6	1.5	42.5	43.4	34.4	40.1
NECO 950	1.6	1.5	1.3	1.4	42.9	47.9	29.5	40.1
WILLIAMS	2.3	2.0	1.9	2.0	41.0	43.1	35.5	39.8
MCB S19AA	2.0	1.0	2.2	1.7	37.0	44.3	37.6	39.6
MERSCHMAN KENNEDY II	1.3	1.5	1.0	1.2	44.1	41.6	32.6	39.4
FORTUNE 666E	1.0	1.5	2.3	1.6	43.6	45.2	29.3	39.3
SRF 350P	2.3	2.0	2.6	2.3	42.1	42.8	32.8	39.2
FFR 331	2.6	2.5	2.9	2.6	44.1	42.0	30.6	38.9
NORTHROP KING S30-31	2.3	2.0	2.6	2.3	44.6	46.1	25.8	38.8
DIAMOND BRAND D330	1.6	1.5	2.3	1.8	40.0	40.7	33.6	38.1
SRF 307P	1.6	2.0	3.3	2.3	38.6	40.3	30.2	36.3
MATURITY GROUP AVERAGE	1.7	1.6	2.1	1.8	45.6	47.9	36.3	43.2
MATURITY GROUP LSD AT .05	1.0	NS	0.7		5.3	7.0	7.2	3.6
MATURITY GROUP 4								
HOFLER QUARTZ	1.6	1.4	2.0	1.6	47.7*	54.5**	42.2*	48.1**
OHLDE 4331	1.6	1.7	2.6	1.9	46.2*	48.9*	43.4*	46.1*
DEKALB-PFIZER CX415	1.3	1.0	2.0	1.4	49.0*	49.0*	39.7*	45.9*
NORTHROP KING S42-30	1.0	1.0	1.3	1.0	46.8*	47.9*	42.9*	45.8*
PIONEER 9441	1.3	1.3	1.1	1.2	45.5	45.6	45.4**	45.5*
OHLDE 4344	2.0	1.6	2.6	2.0	48.9*	48.7*	38.7*	45.4*
NORTHROP KING S42-40	2.6	1.0	2.3	1.9	48.6*	45.7	40.9*	45.0*
MFA PV 42	2.0	1.6	2.1	1.9	42.2	49.1*	43.2*	44.8*
MCALLISTER 8400	2.3	1.5	2.7	2.1	46.6*	48.3*	39.0*	44.6*
MERSCHMAN HARRIS	1.6	2.0	2.3	1.9	46.4*	47.0	39.5*	44.3*
SHISSLER GR8 420	1.6	1.7	2.6	1.9	45.3	44.2	43.2*	44.2*
AGRIFRO AP4321	1.3	1.3	2.1	1.5	48.5*	45.0	39.0*	44.1*
MERSCHMAN HOUSTON	2.3	2.0	2.7	2.3	49.4*	45.6	37.0	44.0*
RING AROUND 404	1.0	1.5	2.6	1.7	43.1	47.1	41.5*	43.9
MCALLISTER 8423	1.6	2.2	2.7	2.1	45.2	43.9	42.8*	43.9
RAY CARROLL RAY	2.0	2.0	1.9	1.9	47.7*	45.2	38.5*	43.8
REEDS 440	1.0	1.2	1.6	1.2	45.1	47.8	38.2*	43.7
MCCUBBIN ALBANY II	2.0	1.6	3.0	2.2	49.4*	42.8	38.7*	43.6
JMS 4982	2.6	2.0	3.1	2.5	44.5	43.5	41.9*	43.3
STINE 4500	1.0	1.7	1.6	1.4	48.7*	50.1*	30.7	43.1
PRIZE 828	2.3	2.6	3.9	2.9	43.7	49.4*	35.9	43.0
MERSCHMAN MEMPHIS	1.6	2.3	2.4	2.1	43.5	43.8	41.6*	42.9
S-BRAND S-65	1.6	1.4	1.6	1.5	50.0**	46.9	31.6	42.8
BRAD 41	1.0	1.2	1.0	1.0	41.5	45.6	41.2*	42.7
RIPLEY	1.0	2.5	1.0	1.5	48.3*	45.0	33.7	42.6
KELLER PATTON	2.0	2.6	4.4	3.0	44.0	47.6	36.2	42.6
MERSCHMAN BOSTON	2.3	1.8	3.0	2.3	45.6*	45.8	36.3	42.3
OHLDE 4386	2.0	2.3	3.9	2.7	47.9*	44.6	35.1	42.5
AMERICANA B567	2.0	2.0	3.9	2.6	43.7	45.5	38.0*	42.4
REEDS 444	2.0	2.1	3.9	2.6	44.7	47.3	35.4	42.4
AMERICANA JACKSON	1.3	2.3	2.1	1.9	43.7	47.2	34.8	41.9
MERSCHMAN WILLIAMSBURG	1.3	1.6	1.7	1.5	44.5	45.4	35.9	41.9
MERSCHMAN DALLAS	2.3	2.4	3.1	2.6	44.4	42.8	38.3*	41.8

TABLE 6. CONTINUED.

BRAND-VARIETY	LODGING SCORE (1-5)				YIELD (BU/ACRE)			
	FAIRFX	SPTCKRD	NOVELY	MEAN	FAIRFX	SPTCKRD	NOVELY	MEAN
PIXIE	1.0	1.1	1.0	1.0	46.7*	50.4*	27.8	41.6
RANDELL FREMONT	1.0	1.3	1.1	1.1	46.5*	46.9	31.3	41.5
MERSCHMAN ATLANTA	2.0	1.2	3.0	2.0	43.8	43.3	37.2*	41.4
DIAMOND BRAND D355B	1.6	2.0	2.6	2.0	43.8	44.1	35.4	41.1
RIVERSIDE 2024	2.3	1.3	2.3	1.9	46.1*	47.0	28.3	41.1
NECO 1350	2.3	2.4	3.6	2.7	44.0	42.7	36.4	41.0
FORTUNE 747E	1.0	1.3	1.6	1.3	42.8	45.1	34.2	40.7
STINE 4190	2.6	2.3	4.0	2.9	42.4	46.4	33.4	40.7
AMERICANA DIXIE	1.6	2.1	2.7	2.1	43.5	41.1	37.4*	40.6
JMS 4383	3.0	1.7	3.0	2.5	42.9	46.5	32.2	40.5
SRF 425	2.3	1.9	2.6	2.2	45.1	42.0	34.2	40.4
RANDELL FREMONT II	1.0	1.3	1.4	1.2	47.5*	46.7	27.2	40.4
AGRIPRO AP350	2.0	1.9	2.7	2.2	40.9	44.2	35.7	40.2
AGRIPRO AP420	2.0	1.7	3.6	2.4	40.0	43.5	35.2	39.5
DIAMOND BRAND D351	2.0	1.2	2.6	1.9	40.5	39.3	35.9	38.5
FORTUNE 727	1.3	1.5	2.3	1.7	40.1	45.2	29.3	38.2
MERSCHMAN DENVER II	2.6	1.7	3.3	2.5	36.2	44.0	34.6	38.2
LEWIS 48	1.6	1.0	2.0	1.5	42.6	40.0	31.4	38.0
UNION	1.6	1.4	2.4	1.8	39.3	42.0	30.0	37.1
SRF 450P	1.3	1.6	2.6	1.8	36.6	40.1	33.1	36.6
SRF HOBSON	1.3	2.4	1.0	1.5	36.2	39.8	24.3	33.4
CLARK 63	2.0	2.3	3.0	2.4	36.7	38.3	22.2	32.4
MATURITY GROUP AVERAGE	1.8	1.7	2.6	2.0	44.5	45.3	36.2	41.9
MATURITY GROUP LSD AT .05	0.8	1.0	2.4		4.4	6.6	8.2	4.1
TRIAL AVERAGE	1.7	1.6	2.2	1.8	45.6	47.0	35.5	42.6

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 7. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR MARSHALL ON THE FRANK SWISHER FARM DURING 1983-85. PLANTED: 8 MAY 1985. HARVESTED: 21 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985			LODGING SCORE (1-5)			YIELD (BU/ACRE)	
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
Maturity Group 2								
SRF 250	9-30	37.0	3.3	---	---	41.4**	---	---
REEDS 222	9-30	34.0	3.3	2.6	4.6	40.7	38.6	46.1
KELLER KNOX	9-30	33.3	2.6	4.3	5.0	37.0	45.6**	46.3
CENTURY	9-30	34.6	2.6	1.3	3.3	35.9	34.7	44.4
Maturity Group Average	9-30	34.7	3.0	---	---	38.7	39.0	---
Maturity Group LSD at .05	NS	NS	NS	---	---	NS	NS	---
Maturity Group 3								
MERSCHMAN TRUMAN II	10-7	39.6	2.7	2.3	4.6	55.3**	44.1*	53.1
ASGROW A3803	10-11	38.3	1.4	---	---	55.1*	---	---
S-BRAND S-56A	10-7	42.0	2.6	---	---	54.0*	---	---
STINE 3790	10-10	40.0	1.7	---	---	53.6*	---	---
NORTHROP KING S39-99	10-15	40.6	1.3	---	---	53.2*	---	---
SHISSLER GR8 388	10-10	40.6	2.6	2.6	---	51.7*	47.1*	---
MERSCHMAN MONROE	10-8	37.0	2.7	---	---	51.7*	---	---
NECO 1000	10-12	42.3	2.7	2.6	3.6	51.0*	41.8*	46.2
MERSCHMAN JEFFERSON IV	10-5	44.0	3.3	---	---	50.8*	---	---
SHERMAN	10-6	37.0	3.0	---	---	50.7*	---	---
NORTHROP KING S39-93	10-10	42.6	2.2	2.0	---	50.3*	35.2	---
S-BRAND S-60H	10-9	38.0	2.3	---	---	50.1*	---	---
COKER 393	10-13	43.0	1.9	2.3	---	50.1*	42.8*	---
MERSCHMAN KENNEDY	10-6	45.3	3.3	2.0	3.0	50.0*	39.7	42.3
AMERICANA SENTRY	10-10	38.0	3.6	---	---	49.9*	---	---
REEDS 333	10-5	42.0	3.4	3.3	3.0	49.9*	48.2*	39.2
MERSCHMAN EISENHOWER	10-8	44.0	4.0	---	---	49.9*	---	---
JMS 3482	10-8	40.3	2.9	2.6	3.6	49.8*	47.3*	39.8
SILER SS 325	10-9	44.3	3.6	---	---	49.7**	---	---
FONTANELLE 6540	10-13	42.0	2.8	3.3	---	49.2**	49.7*	---
FUNK'S G3399	10-13	44.6	2.0	---	---	49.1	---	---
RESEARCH SEED RS 3590	10-12	40.0	3.9	3.3	---	49.1	48.7*	---
HARPER	10-7	39.3	2.2	2.0	2.6	48.9	38.3	55.0*
FAYETTE	10-15	47.0	2.8	---	---	48.7	---	---
CUMBERLAND	10-9	42.0	3.2	3.0	5.0	48.5	48.6*	50.0
BRAD 34	10-5	43.0	2.6	---	---	48.4	---	---
OHLE 3380	10-4	39.6	2.7	---	---	48.2	---	---
ZANE	10-2	39.6	3.1	---	---	48.0	---	---
FONTANELLE 6464	10-11	37.6	2.9	3.3	3.3	48.0	43.2*	52.4
WILLIAMS	10-11	47.6	2.7	2.0	4.3	47.7	43.4*	46.7
MERSCHMAN KENNEDY II	10-6	41.0	2.4	---	---	47.6	---	---
FS HISOY BRAND HS 348	10-10	43.6	3.2	---	---	47.6	---	---
RESEARCH SEED RS 3490	10-9	46.0	3.3	3.3	---	47.6	40.2	---
ASGROW A3966	10-13	47.6	2.2	3.3	3.6	47.5	47.2*	54.7*
FORTUNE 666E	10-6	39.3	2.1	2.6	3.3	47.4	49.9*	53.5
FS HISOY 360 BRAND	10-12	48.0	3.3	---	---	47.4	---	---
KITCHEN KSC 383	10-10	39.6	3.0	2.6	4.6	47.3	42.9*	40.8
DOUBLE SS 3582	10-11	37.3	2.7	2.0	5.0	47.2	49.4*	49.0
RIVERSIDE 3605	10-9	45.3	4.3	---	---	47.1	---	---
ROHM & HAAS RHS463	10-16	42.6	2.3	---	---	47.1	---	---
AMERICANA VOYAGER	10-8	42.6	5.0	---	---	46.8	---	---
REEDS 390	10-13	39.3	2.0	---	---	46.7	---	---
PELLA 85	10-4	37.6	2.8	---	---	46.6	---	---
DEKALB-PFIZER CX380	10-10	44.6	2.7	2.3	4.0	46.5	46.6*	43.4
RIVERSIDE 2019	10-4	44.6	2.9	2.3	---	46.3	45.4*	---
HILL HS 4150	10-14	47.6	2.6	3.3	5.0	46.3	48.2*	54.1*
NECO 950	10-6	43.6	2.6	---	---	46.0	---	---
WILLIAMS 82	10-12	46.0	2.9	2.0	4.3	45.7	34.0	51.7
SHISSLER GR8 367	10-5	45.6	3.4	2.0	2.6	45.7	41.1	43.2
PRIZE 3500	10-4	40.6	4.4	---	---	45.5	---	---
AMERICANA RIVAL	10-12	35.6	2.6	2.6	4.0	45.4	47.5*	54.8*
SRF 350P	10-11	42.3	3.8	2.6	4.0	45.2	44.7*	43.5
PELLA	10-4	42.6	2.9	2.0	3.6	45.1	50.6*	50.5
FUNK'S G3396	10-17	48.3	1.9	2.3	4.3	45.0	48.1*	50.2
RAY CARROLL CARROLL	10-8	40.6	3.9	---	---	45.0	---	---
RIVERSIDE 3505	10-8	37.0	4.0	---	---	44.9	---	---
SILER SS 320	10-8	42.6	3.9	---	---	44.2	---	---
RIVERSIDE 202R	10-5	45.6	2.5	1.6	3.0	44.1	43.8*	47.1
RING AROUND 303	10-2	33.6	4.0	4.6	---	44.0	44.4*	---
SRF 390	10-12	41.6	2.2	---	---	43.6	---	---
REEDS 320	10-4	40.3	2.1	2.0	3.6	43.4	40.1	43.3
KITCHEN KSC 378	10-4	42.6	1.9	---	---	43.3	---	---
SPRITE	10-11	20.0	1.0	1.0	1.0	42.4	48.8*	49.0
SRF 307P	10-12	50.0	3.2	2.6	3.6	41.7	40.3	37.2
SRF MATSOY	10-8	44.6	4.1	2.3	4.6	41.5	37.4	44.6
REEDS 330	10-5	27.6	1.4	1.0	1.0	40.7	33.7	54.1*
Maturity Group Average	10-9	41.3	2.8	---	---	47.7	43.4	---
Maturity Group LSD at .05	3	6.0	1.1	---	---	6.1	11.7	---

TABLE 7. CONTINUED.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 4								
MERSCHMAN BOSTON	10-17	50.6	3.5	3.6	---	54.9**	42.7	---
RAY CARROLL-CHARITON	10-19	57.6	4.2	---	---	53.9*	---	---
NORTHRUP KING S42-30	10-10	39.3	1.7	---	---	53.2*	---	---
OHLDE 4331	10-13	41.3	2.4	---	---	53.0*	---	---
MERSCHMAN HOUSTON	10-16	47.3	4.1	---	---	52.8*	---	---
S-BRAND S-65	10-9	45.0	4.2	---	---	52.5*	---	---
FS HISOY 450 BRAND	10-15	46.3	3.6	---	---	52.5*	---	---
REEDS 444	10-19	55.0	4.3	4.6	5.0	52.2*	46.1*	49.4
DEKALB-PFIZER CX415	10-10	47.6	2.8	---	---	52.2*	---	---
DOUGLAS	10-14	42.6	3.0	3.6	3.3	52.0*	48.3*	56.7*
RAY CARROLL RAY	10-13	47.3	3.4	---	---	51.8*	---	---
STINE 4500	10-8	41.6	3.1	4.0	---	51.3*	49.1*	---
RING AROUND 404	10-20	48.6	2.2	2.3	---	51.0*	44.4	---
RIPLEY	10-15	33.6	1.3	1.0	1.0	50.7*	49.7*	58.4*
OHLDE 4386	10-20	51.3	3.8	4.6	---	50.4*	44.8*	---
PIONEER 9441	10-17	45.0	1.7	---	---	50.2*	---	---
KELLER PATTON	10-19	57.3	3.6	4.6	4.6	50.1*	51.3*	49.8
MD-79543	10-13	45.3	2.4	---	---	50.1*	---	---
AGRIPRO AP4321	10-18	46.3	2.4	---	---	50.0*	---	---
PAYNE PS 4984	10-20	55.6	3.7	4.6	---	50.0*	44.3	---
DOUBLE SS 4082	10-15	49.3	2.8	3.3	4.6	49.8*	37.9	52.6
PRIZE 818	10-19	51.6	3.5	---	---	49.8*	---	---
AMERICANA B567	10-20	54.6	3.4	---	---	49.7*	---	---
AGRIPRO AP420	10-17	46.0	4.4	3.3	4.3	49.6*	45.3*	54.8*
ASGROW A4271	10-11	48.3	2.3	2.0	---	49.6*	52.1*	---
MERSCHMAN WILL IAMSBURG	10-11	46.0	3.0	---	---	48.9*	---	---
DESOTO	10-18	48.3	2.6	3.3	4.0	48.8*	43.8	50.7
KITCHEN KSC 400	10-14	45.0	3.3	4.3	4.3	48.8*	48.0*	53.9*
NECO 1350	10-20	56.3	3.8	5.0	4.3	48.5*	44.3	52.9
MCCUBBIN CARSON	10-20	53.6	4.1	4.6	4.6	48.1	40.3	49.5
MERSCHMAN DALLAS	10-20	51.0	4.0	4.6	4.3	48.0	43.5	53.8
OHLDE 4344	10-17	49.3	4.1	---	---	48.0	---	---
AGRIPRO AP350	10-15	53.6	3.9	4.6	4.3	47.7	48.4*	48.9
MERSCHMAN HARRIS	10-10	41.6	3.2	---	---	47.7	---	---
STINE 4190	10-20	53.3	4.2	5.0	3.6	47.5	48.1*	54.3*
MFA PV 42	10-19	48.0	1.8	2.0	3.0	47.3	42.9	55.1*
PRIZE 828	10-19	53.3	4.0	4.6	3.6	47.2	46.5*	46.1
KITCHEN KSC K-45	10-15	45.3	4.2	4.3	4.0	47.2	42.5	46.1
JMS 4982	10-20	54.3	4.3	4.3	4.0	46.9	48.3*	46.8
MERSCHMAN MEMPHIS	10-13	47.6	3.5	---	---	46.8	---	---
BRAD 41	10-8	41.6	3.1	---	---	46.5	---	---
FORTUNE 727	10-13	45.6	2.0	2.6	3.3	46.4	49.9*	53.5
DEKALB-PFIZER CX482	10-20	57.0	3.6	4.3	5.0	46.4	49.3*	53.1
STINE 4320	10-15	46.0	3.3	---	---	46.4	---	---
MCCUBBIN ALBANY II	10-12	39.3	3.5	3.3	4.0	46.3	37.9	51.0
FR 441	10-11	46.6	2.8	---	---	46.3	---	---
SRF 425	10-17	46.6	3.1	3.0	4.6	46.3	42.6	49.0
SHISSLER GR8 420	10-12	44.3	4.0	---	---	46.3	---	---
MERSCHMAN DENVER II	10-17	52.6	4.0	4.3	4.6	46.3	47.6*	50.6
LAWRENCE	10-16	47.3	1.7	1.6	3.0	46.2	45.5*	50.7
RIVERSIDE 2024	10-9	45.0	4.1	2.3	4.3	46.2	42.3	52.1
MERSCHMAN ATLANTA	10-13	48.6	4.0	3.6	4.6	46.0	45.1*	55.0*
JMS 4383	10-15	48.3	4.1	3.0	5.0	45.9	42.5	50.1
C-UNION BC	10-12	46.6	3.5	---	---	45.3	---	---
FORTUNE 747E	10-7	44.0	3.2	---	---	44.6	---	---
AMERICANA DIXIE	10-20	53.3	2.3	---	---	44.0	---	---
REEDS 440	10-17	48.0	1.1	2.6	3.3	44.0	49.1*	52.7
NORTHRUP KING S42-40	10-13	41.3	3.8	3.3	---	44.0	53.9**	---
UNION	10-12	51.6	3.8	3.0	3.6	43.2	38.8	42.2
PIONEER 9471	10-20	48.6	2.6	---	---	43.0	---	---
SPARKS	10-8	44.0	4.7	---	---	42.8	---	---
DOUBLE SS 4185	10-8	44.3	3.6	---	---	42.8	---	---
REEDS 460	10-19	40.3	2.1	---	---	42.4	---	---
RING AROUND 405	10-20	54.3	3.6	4.6	---	42.3	31.6	---
PIXIE	10-18	20.6	1.0	1.0	1.0	41.9	45.7*	49.4
CLARK 63	10-13	47.0	3.3	3.3	4.0	41.7	37.0	48.0
PRIZE 4900	10-20	37.0	2.2	---	---	41.6	---	---
CRAWFORD	10-19	55.0	2.4	4.6	4.3	41.2	36.2	42.1
SRF HOBSON	10-8	30.6	2.3	1.0	1.6	40.9	39.1	46.3
RING AROUND 452	10-20	51.3	3.3	---	---	39.4	---	---
RING AROUND 451	10-19	50.3	3.0	---	---	38.4	---	---
SRF 450P	10-18	45.0	3.1	3.6	3.0	36.9	45.6*	41.9
MATURITY GROUP AVERAGE	10-16	47.0	3.2	---	---	47.2	44.6	---
MATURITY GROUP LSD AT .05	3	6.4	1.1	---	---	6.7	9.1	---
TRIAL AVERAGE		44.2	3.0	3.0	3.8	47.2	43.8	48.9
TRIAL LSD AT .05								7.8

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER DURING 1983-85. PLANTED: 6 MAY 1985. HARVESTED: 9,15 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 2								
REEDS 222	9-10	27.6	1.0	1.0	1.0	49.5**	35.3**	30.9**
CENTURY	8-29	26.6	1.0	1.0	1.0	46.7	33.2	24.1
KELLER KNOX	9-1	26.0	1.0	1.0	1.0	45.7	34.2	18.5
SRF 250	8-25	25.0	1.0	--	--	44.9	--	--
MATURITY GROUP AVERAGE	9-1	26.3	1.0			46.7	32.3	
MATURITY GROUP LSD AT .05	NS	NS	NS			NS	NS	
MATURITY GROUP 3								
SILER SS 325	9-8	31.5	1.0	--	--	59.0**	--	--
SHISLER GR8 388	9-7	27.8	1.0	1.0	--	58.1*	26.6	--
NORTHROP KING S39-93	9-6	27.1	1.0	1.0	--	58.0*	26.5	--
FONTELLE 6540	9-9	30.2	1.0	1.0	--	57.2*	29.8	--
RIVERSIDE 3605	9-6	30.3	1.0	--	--	57.0**	--	--
AMERICANA RIVAL	9-8	28.1	1.0	1.0	1.0	56.5**	29.5	22.5
STINE 3790	9-8	29.4	1.0	--	--	56.4**	--	--
SILER SS 320	9-6	28.2	1.0	--	--	56.3**	--	--
FS HISOY BRAND HS 348	9-7	28.5	1.0	--	--	56.1**	--	--
ASGROW A3966	9-9	34.0	1.0	1.0	1.0	55.9**	33.0*	25.0
FONTELLE 6464	9-8	32.2	1.3	1.0	1.3	55.8**	29.7	18.2
WILLIAMS 82	9-9	31.2	1.0	1.0	1.0	55.6**	30.4*	19.7
WILLIAMS	9-8	31.2	1.0	1.0	1.0	55.0**	26.7	18.4
FAYETTE	9-8	31.9	1.0	--	--	54.9**	--	--
S-BRAND S-60H	9-8	27.0	1.0	--	--	54.9**	--	--
FUNK'S G3396	9-8	29.4	1.0	1.0	1.0	54.8**	34.8*	20.5
COKER 393	9-9	28.7	1.0	1.0	--	54.8**	33.0*	--
BRAD 34	9-7	29.0	1.0	--	--	54.8**	--	--
MERSCHMAN EISENHOWER	9-7	29.6	1.0	--	--	54.7**	--	--
FS HISOY 360 BRAND	9-8	30.5	1.0	--	--	54.7**	--	--
NORTHROP KING S39-99	9-7	28.8	1.0	--	--	54.3**	--	--
RESEARCH SEED RS 3490	9-7	30.0	1.0	1.0	--	54.3**	37.0**	--
NECO 1000	9-7	27.2	1.0	1.0	1.0	53.7**	35.1*	20.8
RESEARCH SEED RS 3590	9-6	30.5	1.0	1.0	--	53.5**	28.7	--
MERSCHMAN MONROE	9-4	29.5	1.0	--	--	53.3	--	--
SRF 307P	9-7	32.7	1.6	1.0	1.3	52.9	36.1*	19.8
NECO 950	9-5	29.1	1.0	--	--	52.9	--	--
RIVERSIDE 202R	9-6	29.1	1.0	1.0	1.0	52.8	28.0	19.0
HILL HS 4150	9-12	34.0	1.0	1.0	1.0	52.8	22.8	16.7
DEKALB-PFIZER CX380	9-6	29.4	1.0	1.0	1.0	52.5	31.8*	21.3
KITCHEN KSC 378	9-7	27.8	1.0	--	--	52.4	--	--
KITCHEN KSC 383	9-6	26.3	1.0	1.0	1.0	52.3	30.3*	24.2
REEDS 390	9-9	28.5	1.0	--	--	52.1	--	--
FORTUNE 666E	9-9	29.1	1.0	1.0	1.0	52.1	24.9	17.4
ROHM & HAAS RHS463	9-6	28.6	1.0	--	--	51.9	--	--
DOUBLE SS 3582	9-6	26.9	1.0	1.0	1.0	51.8	32.6*	23.3
SRF 350P	9-6	34.7	1.3	1.0	1.0	51.6	26.3	21.9
PRIZE 3500	9-3	30.0	1.0	--	--	51.6	--	--
RAY CARROLL CARROLL	9-6	27.8	1.0	--	--	51.5	--	--
HARPER	9-3	24.9	1.0	1.0	1.0	51.4	32.2*	23.1
REEDS 320	9-7	29.2	1.0	1.0	1.0	51.4	29.7	16.8
FUNK'S G3399	9-7	28.1	1.0	--	--	51.3	--	--
ASGROW A3803	9-8	24.5	1.0	--	--	51.2	--	--
REEDS 333	9-7	29.8	1.0	1.0	1.0	51.1	26.9	22.0
PELLA 85	9-3	27.1	1.0	--	--	50.6	--	--
JMS 3482	9-2	28.8	1.0	1.0	1.0	50.2	24.4	17.1
AMERICANA SENTRY	9-7	26.3	1.0	--	--	50.0	--	--
REEDS 330	9-7	27.2	1.0	1.0	1.0	49.8	24.0	17.9
OHLDE 3380	9-5	28.5	1.0	--	--	49.8	--	--
MERSCHMAN KENNEDY II	9-4	24.5	1.0	--	--	49.7	--	--
AMERICANA VOYAGER	9-6	34.3	1.3	--	--	49.6	--	--
RING AROUND 303	9-3	28.7	1.0	1.6	--	49.4	35.9*	--
SRF 390	9-10	27.4	1.0	--	--	49.2	--	--
RIVERSIDE 2019	9-4	30.4	1.0	1.0	--	48.9	29.3	--
RIVERSIDE 3505	9-4	27.3	1.0	--	--	48.7	--	--
MERSCHMAN KENNEDY	9-8	26.4	1.0	1.0	1.0	48.6	24.0	23.5
ZANE	9-1	27.3	1.0	--	--	48.5	--	--
SHISLER GR8 367	9-7	28.9	1.0	1.0	1.0	48.3	31.4*	17.9
CUMBERLAND	9-6	26.4	1.0	1.0	1.0	48.0	30.1*	26.0*
PELLA	9-3	28.7	1.0	1.0	1.0	47.8	29.9	24.4
S-BRAND S-56A	9-2	28.4	1.0	--	--	47.8	--	--
SHERMAN	9-1	25.3	1.0	--	--	47.4	--	--
SRF MATSOY	9-5	32.6	2.0	1.0	1.3	47.0	28.5	23.9
SPRITE	9-6	20.3	1.0	1.0	1.0	46.8	31.5*	22.7
MERSCHMAN TRUMAN II	9-1	27.8	1.0	1.0	1.0	45.8	27.0	20.5
MERSCHMAN JEFFERSON IV	9-4	28.2	1.0	--	--	43.6	--	--
MATURITY GROUP AVERAGE	9-7	29.0	1.0			52.0	29.1	
MATURITY GROUP LSD AT .05	2	2.9	0.3			5.5	7.0	

TABLE 8. CONTINUED.

BRAND-VARIETY	1985			LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)		1985	1984	1983	1985	1984	1983
MATURITY GROUP 4									
NECO 1350	9-17	38.9	2.9	2.6	2.0	66.7**	32.5*	19.6	
REEDS 444	9-17	39.3	2.6	2.0	1.0	64.8**	30.0*	20.7	
STINE 4190	9-14	36.8	3.0	2.3	2.0	64.1*	28.1	22.3	
KELLER PATTON	9-16	39.4	2.9	2.0	2.6	64.0*	30.2*	20.0	
AMERICANA B567	9-16	38.6	2.6	---	---	63.8**	---	---	
JMS 4982	9-18	39.7	2.9	3.3	2.3	63.2*	36.5*	20.1	
RAY CARROLL-CHARITON	9-16	37.9	3.0	---	---	62.9**	---	---	
OHLDE 4386	9-17	38.2	1.9	2.6	---	62.9**	30.4*	---	
PRIZE 828	9-15	38.1	2.3	3.0	2.0	62.7*	29.8*	22.0	
NORTHROP KING S42-40	9-12	31.1	1.0	1.0	---	62.5**	26.1	---	
AGRIPRO AP4321	9-13	29.5	1.0	---	---	61.8**	---	---	
PAYNE PS 4984	9-19	38.0	2.6	3.0	---	61.6**	34.2*	---	
MERSCHMAN DALLAS	9-17	36.2	2.3	2.6	2.6	61.5**	33.6**	23.9	
MERSCHMAN DENVER II	9-13	37.2	1.9	2.0	1.3	61.4**	26.3	19.8	
RIPLEY	9-13	25.4	1.0	1.0	1.0	61.3**	31.9**	24.3	
MCCUBBIN CARSON	9-17	40.0	3.6	2.0	2.0	61.2**	34.6**	18.7	
RING AROUND 404	9-11	35.0	1.0	1.0	---	60.7	30.8*	---	
RIVERSIDE 2024	9-8	36.1	1.0	1.0	1.3	60.1	27.4	21.5	
C-UNION BC	9-8	33.3	1.0	---	---	59.9	---	---	
AGRIPRO AP420	9-10	38.2	1.3	1.6	1.6	58.9	20.9	18.2	
RAY CARROLL RAY	9-15	36.2	1.3	---	---	58.9	---	---	
DEKALB-PFIZER CX415	9-9	31.8	1.0	---	---	58.8	---	---	
DEKALB-PFIZER CX482	9-13	38.5	3.3	2.3	1.3	58.6	36.6**	19.1	
REEDS 440	9-11	29.9	1.0	1.0	1.0	57.8	25.0	17.1	
PRIZE 818	9-12	36.6	1.0	---	---	57.8	---	---	
NORTHROP KING S42-30	9-8	30.5	1.0	---	---	57.8	---	---	
MFA PV 42	9-11	31.4	1.0	1.0	1.0	57.7	24.5	23.5	
LAWRENCE	9-10	29.9	1.0	1.0	1.0	57.6	24.9	19.7	
MCCUBBIN ALBANY II	9-17	34.0	1.0	1.3	1.0	57.6	22.9	15.6	
PIONEER 9441	9-11	29.9	1.0	---	---	57.6	---	---	
DOUGLAS	9-14	30.7	1.0	1.0	1.0	57.5	24.6	17.8	
AMERICANA DIXIE	9-18	37.0	1.0	---	---	57.2	---	---	
JMS 4385	9-10	35.5	1.3	1.0	1.3	57.2	19.5	12.0	
OHLDE 4331	9-11	30.5	1.0	---	---	57.2	---	---	
KITCHEN KSC K-45	9-13	37.5	1.9	1.3	1.3	57.2	23.5	18.1	
OHLDE 4344	9-10	35.8	1.0	---	---	57.0	---	---	
STINE 4320	9-9	32.0	1.0	---	---	56.9	---	---	
MERSCHMAN BOSTON	9-11	32.2	1.0	1.0	---	56.5	23.5	---	
FFR 441	9-12	37.4	2.0	---	---	56.2	---	---	
RING AROUND 451	9-26	41.4	3.0	---	---	56.2	---	---	
MD-79545	9-11	31.1	1.0	---	---	56.2	---	---	
FS HISOY 450 BRAND	9-14	32.0	1.0	---	---	55.6	---	---	
DESOTO	9-11	30.7	1.0	1.0	1.0	55.6	22.2	14.3	
REEDS 460	9-20	34.1	1.0	---	---	55.6	---	---	
AGRIPRO AP350	9-12	34.2	1.0	1.0	1.0	55.4	28.3	20.6	
MERSCHMAN HOUSTON	9-9	30.7	1.0	---	---	54.9	---	---	
PIONEER 9471	9-11	34.2	1.6	---	---	54.9	---	---	
SHISSLER GR8 420	9-10	31.9	1.0	---	---	54.7	---	---	
UNION	9-8	36.1	1.0	1.0	1.0	54.6	26.7	16.2	
MERSCHMAN ATLANTA	9-11	34.6	1.0	1.0	1.3	54.6	18.2	10.3	
CRAWFORD	9-18	38.7	1.9	1.6	1.6	54.5	26.5	24.2	
MERSCHMAN MEMPHIS	9-10	31.8	1.0	---	---	54.4	---	---	
SRF 425	9-14	36.3	1.3	1.0	1.3	54.3	21.3	15.6	
SPARKS	9-9	34.5	1.6	---	---	54.1	---	---	
DOUBLE SS 4082	9-8	29.0	1.0	1.0	1.0	54.0	29.5*	20.2	
ASGROW A4271	9-8	31.5	1.0	---	---	54.0	28.8	---	
BRAD 41	9-7	29.5	1.0	---	---	53.7	---	---	
S-BRAND S-65	9-8	30.9	1.0	---	---	53.6	---	---	
FORTUNE 747E	9-7	28.3	1.0	---	---	53.6	---	---	
RING AROUND 405	9-20	40.4	2.3	1.3	---	53.4	23.6	---	
MERSCHMAN WILLIAMSBURG	9-7	30.8	1.0	---	---	53.2	---	---	
KITCHEN KSC 400	9-8	31.1	1.0	1.0	1.0	53.2	22.9	12.4	
SRF 450P	9-13	36.3	1.6	1.0	1.0	52.9	16.2	16.1	
MERSCHMAN HARRIS	9-8	29.2	1.0	---	---	52.8	---	---	
FORTUNE 727	9-10	27.1	1.0	1.0	1.0	52.1	24.9	17.4	
PRIZE 4900	9-25	30.0	1.0	---	---	52.1	---	---	
SRF HOBSON	9-9	29.1	1.3	1.0	1.0	51.6	27.6	21.3	
PIXIE	9-11	20.3	1.0	1.0	1.0	50.9	28.4	21.9	
STINE 4500	9-5	29.9	1.0	1.0	---	50.9	27.5	---	
DOUBLE SS 4185	9-7	28.0	1.0	---	---	49.5	---	---	
RING AROUND 452	9-22	39.4	3.6	---	---	47.9	---	---	
CLARK 63	9-8	32.1	1.6	1.0	1.6	47.6	16.6	15.1	
MATURITY GROUP AVERAGE	9-13	33.7	1.5			57.0	25.9		
MATURITY GROUP LSD AT .05	4	2.9	0.7			5.8	7.2		
TRIAL AVERAGE		31.2	1.2	1.2	1.1	54.4	27.5	19.5	
TRIAL LSD AT .05								5.1	

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED AT TWO CENTRAL MISSOURI LOCATIONS (MARSHALL AND COLUMBIA) DURING 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE (1-5)			YIELD (BU/ACRE)				
	MARSHAL	COLUMBIA	MEAN	MARSHALL	COLUMBIA	MEAN		
MATURITY GROUP 2								
REEDS 222	3.3	1.0	--	2.1	40.7	49.5**	--	45.1**
SRF 250	3.3	1.0	--	2.1	41.4**	44.9	--	43.1
CENTURY	2.6	1.0	--	1.8	35.9	46.7	--	41.3
KELLER KNOX	2.6	1.0	--	1.8	37.0	45.7	--	41.3
MATURITY GROUP AVERAGE	3.0	1.0		2.0	38.7	46.7		42.7
MATURITY GROUP LSD AT .05	NS	NS		NS	NS	NS		NS
MATURITY GROUP 3								
STINE 3790	1.7	1.0	--	1.3	53.6*	56.4*	--	55.0**
SHISSLER GR8 388	2.6	1.0	--	1.8	51.7*	58.1*	--	54.9*
SILER SS 325	2.6	1.0	--	2.3	49.7*	59.0**	--	54.3*
NORTHROP KING S39-93	2.2	1.0	--	1.6	50.3*	58.0*	--	54.1*
NORTHROP KING S39-99	1.3	1.0	--	1.1	53.2*	54.3*	--	53.7*
FONTELLE 6540	2.8	1.0	--	1.9	49.2*	57.2*	--	53.2*
ASGROW A3803	1.4	1.0	--	1.2	55.1*	51.2*	--	53.1*
S-BRAND S-60H	2.3	1.0	--	1.6	50.1*	54.9*	--	52.5*
MERSCHMAN MONROE	2.7	1.0	--	1.8	51.7*	53.3	--	52.5*
COKER 393	1.9	1.0	--	1.4	50.1*	54.8*	--	52.4*
MERSCHMAN EISENHOWER	4.0	1.0	--	2.4	49.9*	54.7*	--	52.3*
NECO 1000	2.7	1.0	--	1.8	51.0*	53.7*	--	52.3*
RIVERSIDE 3605	4.3	1.0	--	2.6	47.1	57.0*	--	52.3*
FONTELLE 6464	2.9	1.3	--	2.1	48.0	55.8*	--	52.0*
FAYETTE	2.8	1.0	--	1.9	48.7	54.9*	--	51.9*
FS HISOY BRAND HS 348	3.2	1.0	--	2.1	47.6	56.1*	--	51.8*
ASGROW A3966	2.2	1.0	--	1.6	47.5	55.9*	--	51.8*
BRAD 34	2.6	1.0	--	1.8	48.4	54.8*	--	51.7*
WILLIAMS	2.7	1.0	--	1.8	47.7	55.0*	--	51.6*
RESEARCH SEED RS 3590	3.9	1.0	--	2.4	49.1	53.5*	--	51.3*
FS HISOY 360 BRAND	3.3	1.0	--	2.1	47.4	54.7*	--	51.0*
S-BRAND S-56A	2.6	1.0	--	1.8	54.0*	47.8	--	50.9*
AMERICANA RIVAL	2.6	1.0	--	1.8	45.4	56.5*	--	50.9*
RESEARCH SEED RS 3490	3.3	1.0	--	2.1	47.6	54.3*	--	50.9*
WILLIAMS 82	2.9	1.0	--	1.9	45.7	55.6*	--	50.6*
REEDS 335	3.4	1.0	--	2.2	49.9*	51.1	--	50.5*
MERSCHMAN TRUMAN II	2.7	1.0	--	1.8	55.3**	45.8	--	50.5*
FUNK'S G3399	2.0	1.0	--	1.5	49.1	51.3	--	50.2
SILER SS 320	3.9	1.0	--	2.4	44.2	56.3*	--	50.2
HARPER	2.2	1.0	--	1.6	48.9	51.4	--	50.1
JMS 3482	2.9	1.0	--	1.9	49.8*	50.2	--	50.0
AMERICANA SENTRY	3.6	1.0	--	2.3	49.9*	50.0	--	49.9
FUNK'S G3396	1.9	1.0	--	1.4	45.0	54.8*	--	49.9
KITCHEN KSC 383	3.0	1.0	--	2.0	47.3	52.3	--	49.8
FORTUNE 666E	2.1	1.0	--	1.5	47.4	52.1	--	49.7
DOUBLE SS 3582	2.7	1.0	--	1.8	47.2	51.8	--	49.5
DEKALB-PFIZER CX380	2.7	1.0	--	1.8	46.5	52.5	--	49.5
ROHM & HAAS RHS463	2.3	1.0	--	1.6	47.1	51.9	--	49.5
HILL HS 4150	2.6	1.0	--	1.8	46.3	52.8	--	49.5
REEDS 390	2.0	1.0	--	1.5	46.7	52.1	--	49.4
NECO 950	2.6	1.0	--	1.8	46.0	52.9	--	49.4
MERSCHMAN KENNEDY	3.3	1.0	--	2.1	50.0*	48.6	--	49.3
OHLDE 3380	2.7	1.0	--	1.8	48.2	49.8	--	49.0
SHERMAN	3.0	1.0	--	2.0	50.7*	47.4	--	49.0
MERSCHMAN KENNEDY II	2.4	1.0	--	1.7	47.6	49.7	--	48.6
PELLA 85	2.8	1.0	--	1.9	46.6	50.6	--	48.6
PRIZE 3500	4.4	1.0	--	2.7	45.5	51.6	--	48.5
RIVERSIDE 202R	2.5	1.0	--	1.7	44.1	52.8	--	48.4
SRF 350P	3.2	1.3	--	2.5	45.2	51.6	--	48.4
CUMBERLAND	3.8	1.0	--	2.1	48.5	48.0	--	48.2
ZANE	3.1	1.0	--	2.0	48.0	48.5	--	48.2
AMERICANA VOYAGER	5.0	1.3	--	3.1	46.8	49.6	--	48.2
RAY CARROLL CARROLL	3.9	1.0	--	2.4	45.0	51.5	--	48.2
KITCHEN KSC 378	1.9	1.0	--	1.4	43.3	52.4	--	47.8
RIVERSIDE 2019	2.9	1.0	--	1.9	46.3	48.9	--	47.6
REEDS 320	2.1	1.0	--	1.5	43.4	51.4	--	47.4
SRF 307P	3.2	1.6	--	2.4	41.7	52.9	--	47.3
MERSCHMAN JEFFERSON IV	3.3	1.0	--	2.1	50.8*	43.6	--	47.2
SHISSLER GR8 367	3.4	1.0	--	2.2	45.7	48.3	--	47.0
RIVERSIDE 3505	4.0	1.0	--	2.5	44.9	48.7	--	46.8
RING AROUND 303	4.0	1.0	--	2.5	44.0	49.4	--	46.7
PELLA	2.9	1.0	--	1.9	45.1	47.8	--	46.4
SRF 390	2.2	1.0	--	1.6	43.6	49.2	--	46.4
REEDS 330	1.4	1.0	--	1.2	40.7	49.8	--	45.2
SPRITE	1.0	1.0	--	1.0	42.4	46.8	--	44.6
SRF MATSOY	4.1	2.0	--	3.0	41.5	47.0	--	44.2
MATURITY GROUP AVERAGE	2.8	1.1		1.9	47.7	52.0		49.8
MATURITY GROUP LSD AT .05	1.1	0.3			6.1	5.5		4.5

TABLE 9. CONTINUED.

BRAND-VARIETY	LODGING SCORE (1-5)			YIELD (BU/ACRE)				
	MARSHAL	COLUMBA	MEAN	MARSHAL	COLUMBA	MEAN		
MATURITY GROUP 4								
REEDS 444	4.3	2.6	---	3.4	52.2*	64.8*	---	58.5**
RAY CARROLL-CHARITON	4.2	2.0	---	3.6	53.9*	62.9*	---	58.4**
NECO 1350	3.8	2.9	---	3.3	48.5*	66.7**	---	57.6**
KELLER PATTON	3.6	2.9	---	3.2	50.1*	64.0**	---	57.0**
AMERICANA B567	3.4	2.6	---	3.0	49.7*	63.8**	---	56.7**
OHLDE 4386	3.8	1.9	---	2.8	50.4**	62.9**	---	56.6**
RIPLEY	1.3	1.0	---	1.1	50.7**	61.3**	---	56.0**
AGRIPRO AP4321	2.4	1.0	---	1.7	50.0**	61.8**	---	55.9**
RING AROUND 404	2.2	1.0	---	1.6	51.0**	60.7	---	55.8**
STINE 4190	4.2	3.0	---	3.6	47.5	64.1*	---	55.8**
PAYNE PS 4984	3.7	2.6	---	3.1	50.0**	61.6**	---	55.8**
MERSCHMAN BOSTON	3.5	1.0	---	2.2	54.9**	56.5	---	55.7**
DEKALB-PFIZER CX415	2.8	1.0	---	1.9	52.2**	58.8	---	55.5**
NORTHROP KING S42-30	1.7	1.0	---	1.3	53.2**	57.8	---	55.5**
RAY CARROLL RAY	3.4	1.3	---	2.3	51.8**	58.9	---	55.3**
OHLDE 4331	2.4	1.0	---	1.7	53.0**	57.2	---	55.1**
JMS 4982	4.3	2.9	---	3.6	46.9	63.2*	---	55.0**
PRIZE 828	4.0	2.3	---	3.1	47.2	62.7*	---	54.9**
DOUGLAS	3.0	1.0	---	2.0	52.0*	57.5	---	54.7**
MERSCHMAN DALLAS	4.0	2.3	---	3.1	48.0	61.5**	---	54.7**
MCCUBBIN CARSON	4.1	3.6	---	3.8	48.1	61.2**	---	54.6**
AGRIPRO AP420	4.4	1.3	---	2.8	49.6*	58.9	---	54.2**
FS HISOY 450 BRAND	3.6	1.0	---	2.3	52.5**	55.9	---	54.2**
PIONEER 9441	1.7	1.0	---	1.3	50.2**	57.6	---	53.9**
MERSCHMAN HOUSTON	4.1	1.0	---	2.5	52.8**	54.9	---	53.8**
MERSCHMAN DENVER II	4.0	1.9	---	2.9	46.3	61.4*	---	53.8**
PRIZE 818	3.5	1.0	---	2.2	49.8*	57.8	---	53.8**
NORTHROP KING S42-40	3.8	1.0	---	2.4	44.0	62.5*	---	53.2
RIVERSIDE 2024	4.1	1.0	---	2.5	46.2	60.1	---	53.1
MD-79543	2.4	1.0	---	1.7	50.1*	56.2	---	53.0
S-BRAND S-65	4.2	1.0	---	2.6	52.5**	53.6	---	53.0
C-UNION BC	3.5	1.0	---	2.2	45.3	59.9	---	52.6
OHLDE 4344	4.1	1.0	---	2.5	48.0	57.0	---	52.5
DEKALB-PFIZER CX482	3.6	3.3	---	3.4	46.4	58.6	---	52.5
MFA PV 42	1.8	1.0	---	1.4	47.3	57.7	---	52.2
DESOTO	2.6	1.0	---	1.8	48.8*	55.6	---	52.2
KITCHEN KSC K-45	4.2	1.9	---	3.0	47.2	57.2	---	52.2
LAWRENCE	1.7	1.0	---	1.3	46.2	57.6	---	52.0
MCCUBBIN ALBANY II	3.5	1.0	---	2.2	46.3	57.6	---	51.9
DOUBLE SS 4082	2.8	1.0	---	1.9	49.8*	54.0	---	51.9
ASGROW A4271	2.3	1.0	---	1.6	49.6*	54.0	---	51.8
STINE 4320	3.3	1.0	---	2.1	46.4	56.9	---	51.6
AGRIPRO AP350	3.9	1.0	---	2.4	47.7	55.4	---	51.5
JMS 4383	4.1	1.3	---	2.7	45.9	57.2	---	51.5
FFR 441	2.8	2.0	---	2.4	46.3	56.2	---	51.2
STINE 4500	3.1	1.0	---	2.0	51.3*	50.9	---	51.1
MERSCHMAN WILLIAMSURG	3.0	1.0	---	2.0	48.9*	53.2	---	51.0
KITCHEN KSC 400	3.3	1.0	---	2.1	48.8*	53.2	---	51.0
REEDS 440	1.1	1.0	---	1.0	44.0	57.8	---	50.9
AMERICANA DIXIE	2.3	1.9	---	2.1	44.0	57.2	---	50.6
MERSCHMAN MEMPHIS	3.5	1.0	---	2.2	46.8	54.4	---	50.6
SHISSLER GRB 420	4.0	1.0	---	2.5	46.3	54.7	---	50.5
SRF 425	3.1	1.3	---	2.2	46.3	54.3	---	50.3
MERSCHMAN ATLANTA	4.0	1.0	---	2.5	46.0	54.6	---	50.3
MERSCHMAN HARRIS	3.2	1.0	---	2.1	47.7	52.8	---	50.2
BRAD 41	3.1	1.0	---	2.0	46.5	53.7	---	50.1
FORTUNE 727	2.0	1.0	---	1.5	46.4	52.1	---	49.2
FORTUNE 747E	3.2	1.0	---	2.1	44.6	53.6	---	49.1
REEDS 460	2.1	1.0	---	1.5	42.4	55.6	---	49.0
UNION	3.8	1.0	---	2.4	43.2	54.6	---	48.9
PIONEER 9471	2.6	1.6	---	2.1	43.0	54.9	---	48.9
SPARKS	4.7	1.6	---	3.1	42.8	54.1	---	48.4
CRAWFORD	2.4	1.9	---	2.1	41.2	54.5	---	47.8
RING AROUND 405	3.6	2.3	---	2.9	42.3	53.4	---	47.8
RING AROUND 451	3.0	3.0	---	3.0	38.4	56.2	---	47.3
PRIZE 4900	2.2	1.3	---	1.7	41.6	52.1	---	46.8
PIXIE	1.0	1.0	---	1.0	41.9	50.9	---	46.4
SRF HOBSON	2.3	1.3	---	1.8	40.9	51.6	---	46.2
DOUBLE SS 4185	3.6	1.0	---	2.3	42.8	49.5	---	46.1
SRF 450P	3.1	1.6	---	2.3	36.9	52.9	---	44.9
CLARK 63	3.3	1.6	---	2.4	41.7	47.6	---	44.6
RING AROUND 452	3.3	3.6	---	3.4	39.4	47.9	---	43.6
MATURITY GROUP AVERAGE	3.2	1.5	---	2.3	47.2	57.0	---	52.0
MATURITY GROUP LSD AT .05	1.1	0.7	---	---	6.7	5.8	---	5.0
TRIAL AVERAGE	3.0	1.2	---	2.1	47.2	54.4	---	50.8

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR LAMAR ON THE WALLY NORTON FARM DURING 1985, THE DON CULVER FARM DURING 1984 AND THE CARL BARNHART FARM DURING 1982 PLANTED: 20 MAY 1985. HARVESTED: 8,28 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985			LODGING SCORE (1-5)			YIELD (BU/ACRE)	
	MATURITY DATE	PLANT HEIGHT (IN)	1985	1984	1982	1985	1984	1982
MATURITY GROUP 3								
WILLIAMS	9-5	29.4	1.0	1.0	1.0	33.9**	9.9	40.2
NECO 1000	9-4	24.2	1.3	1.0	---	31.4*	14.7**	---
COCKER 393	9-8	26.0	1.0	1.0	---	30.3*	14.4	---
WILLIAMS 82	9-5	26.8	1.0	1.0	1.3	29.7*	8.1	41.4
SRF 390	9-9	24.9	1.0	---	---	29.5*	---	---
SRF 307P	9-3	27.7	1.3	1.0	3.0	27.2	6.3	37.7
SRF MATSOY	9-3	27.2	2.0	1.0	1.6	26.6	11.0	42.6*
SRF 350P	9-4	24.0	1.0	1.0	2.0	25.5	14.2	38.3
MATURITY GROUP AVERAGE	9-6	26.5	1.2	---	---	29.2	10.8	---
MATURITY GROUP LSD AT .05	1	NS	NS	---	---	6.6	NS	---
MATURITY GROUP 4								
RING AROUND 405	9-15	34.0	1.3	---	---	43.2**	---	---
PRIZE 828	9-20	36.5	2.6	1.3	---	40.7*	19.9	---
FS HISOY 496 BRAND	9-19	33.9	2.6	---	---	39.2*	---	---
MERSCHMAN DALLAS	9-16	33.9	2.6	1.3	1.6	38.5*	15.2	44.8*
RING AROUND 404	9-13	30.7	1.3	1.0	---	37.6*	9.6	---
NECO 1350	9-17	32.0	1.6	1.6	---	36.0	16.9	---
STINE 4320	9-14	30.3	1.0	---	---	35.7	---	---
DOUGLAS	9-16	28.0	1.0	1.0	1.0	35.4	10.0	46.0*
DEKALB-PFIZER CX415	9-9	30.0	1.0	---	---	35.4	---	---
STINE 4190	9-19	34.0	2.0	1.3	---	35.2	19.9	---
ASGROW A4997	9-23	27.5	1.6	1.6	---	35.0	15.5	---
RAY CARROLL-CHARITON	9-17	34.2	1.6	---	---	34.2	---	---
RING AROUND 452	10-2	35.1	1.0	---	---	34.1	---	---
RING AROUND 451	10-1	34.8	1.3	1.0	---	34.0	17.6	---
CRAWFORD	9-21	34.9	1.0	1.0	2.0	33.6	16.4	38.7
REEDS 440	9-11	26.3	1.0	1.0	---	33.5	9.3	---
RAY CARROLL RAY	9-15	24.9	1.0	---	---	33.2	---	---
DEKALB-PFIZER CX482	9-20	32.0	1.6	1.0	2.0	33.1	16.1	45.9*
ASGROW A4271	9-11	27.7	1.0	---	---	33.1	---	---
PRIZE 4900	9-24	24.7	1.0	---	---	33.0	---	---
DELANGE BRAND DS49	9-27	36.7	1.0	1.0	---	31.2	12.0	---
PERSHING	10-4	26.5	1.0	1.0	1.0	30.9	25.5**	41.8
AGRIFRO AP350	9-14	26.4	1.0	1.0	1.6	30.7	8.1	46.6**
DESOTO	9-10	30.2	1.0	1.0	1.0	30.5	8.5	44.1*
SPARKS	9-11	27.8	1.0	---	---	30.5	---	---
REEDS 460	9-17	22.2	1.0	---	---	30.0	---	---
AGRIFRO AP420	9-17	31.7	1.0	1.3	2.3	29.8	10.8	41.8
MFA PV 42	9-20	27.8	1.0	1.0	1.3	29.2	13.4	46.1*
UNION	9-11	26.1	1.0	1.0	1.3	29.1	8.5	42.3*
AGRIFRO AP4321	9-19	24.8	1.0	---	---	28.2	---	---
PIXIE	9-10	12.2	1.0	1.0	---	26.7	16.4	---
SRF 450P	9-14	27.2	1.0	1.0	1.0	26.0	8.5	41.5
SRF 425	9-10	25.9	1.0	1.3	1.3	25.6	6.5	38.4
FFR 441	9-12	29.9	1.0	---	---	23.6	---	---
CLARK 63	9-11	26.6	1.0	1.0	1.3	22.6	5.0	37.3
LAWRENCE	9-11	22.8	1.0	1.0	1.0	22.5	12.3	40.4
SRF HOBSON	9-9	19.3	1.0	1.0	1.0	22.2	11.6	41.0
MATURITY GROUP AVERAGE	9-16	28.9	1.2	---	---	32.0	12.4	---
MATURITY GROUP LSD AT .05	NS	4.3	0.6	---	---	6.7	4.5	---
MATURITY GROUP 5								
BAY	10-13	34.5	1.0	2.3	2.0	35.7**	22.8	39.3
ASGROW A5149	10-9	29.8	1.3	---	---	35.3	---	---
FFR 561	10-17	31.4	1.0	1.6	---	32.5	23.1	---
DELANGE BRAND DS51	10-18	36.6	1.0	---	---	32.3	---	---
ESSEX	10-7	23.9	1.0	1.6	1.0	32.0	26.9	39.9
COCKER 425	10-4	23.2	1.0	1.0	---	31.8	29.5**	---
FORREST	10-20	36.1	1.0	3.0	3.3	30.7	24.3	39.2
PIONEER 5482	10-14	34.6	1.0	1.6	---	25.5	27.8	---
MATURITY GROUP AVERAGE	10-13	31.3	1.0	---	---	32.0	24.7	---
MATURITY GROUP LSD AT .05	1	2.4	NS	---	---	NS	NS	---
TRIAL AVERAGE								
TRIAL AVERAGE		28.8	1.2	1.2	1.6	31.5	14.0	40.1
TRIAL LSD AT .05								4.6

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR MT. VERNON ON THE SOUTHWEST CENTER DURING 1983-85. PLANTED: 17 MAY 1985. HARVESTED: 5 NOVEMBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985			LOGGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983	
MATURITY GROUP 3									
COKER 393	9-14	37.0	3.0	1.0	--	46.5**	31.2*	--	
WILLIAMS 82	9-16	42.3	4.3	1.0	2.3	46.4	28.3*	43.4	
WILLIAMS	9-15	43.6	4.6	1.0	3.0	45.6	27.8*	41.3	
SRF MATSOY	9-16	44.3	5.0	1.0	4.3	45.2	28.1*	41.2	
SRF 390	9-15	37.0	4.0	--	--	43.8	--	--	
NECO 1000	9-14	38.0	4.6	1.0	3.0	42.0	32.5**	41.5	
SRF 307P	9-14	44.3	4.6	1.0	3.3	38.4	18.6	34.7	
SRF 350P	9-14	44.3	4.6	1.0	4.0	37.9	23.0	34.6	
MATURITY GROUP AVERAGE	9-15	42.0	4.4	--	--	43.2	26.9	--	
MATURITY GROUP LSD AT .05	NS	5.9	NS	--	--	NS	6.8	--	
MATURITY GROUP 4									
PIXIE	9-21	24.3	2.3	1.0	1.0	59.2**	28.2*	42.4	
DOUGLAS	9-20	46.3	4.0	1.3	2.0	56.5*	30.3*	46.5*	
PRIZE 828	9-25	50.6	5.0	2.6	4.0	54.2*	35.6*	44.9*	
MERSCHMAN DALLAS	9-27	45.3	5.0	2.3	3.3	52.4*	35.6*	49.4*	
SPARKS	9-18	43.3	4.3	--	--	52.2*	--	--	
DEKALB-PFIZER CX415	9-18	46.6	4.6	--	--	51.8	--	--	
LAWRENCE	9-16	39.6	3.3	1.0	1.3	50.8	30.4*	46.6*	
FS HISOY 496 BRAND	9-25	55.0	4.3	--	--	50.1	--	--	
AGRIPRO AP4321	9-22	45.6	2.6	--	--	49.8	--	--	
AGRIPRO AP350	9-22	49.0	4.3	1.6	4.0	49.7	26.2*	45.1*	
ASGROW A4997	10- 1	42.0	4.0	3.0	2.3	49.7	28.9*	43.1	
ASGROW A4271	9-18	43.3	4.6	--	--	49.0	--	--	
UNION	9-19	48.6	4.6	1.0	4.0	48.9	15.9	43.2	
NECO 1350	9-28	51.0	4.6	3.0	3.6	48.5	35.7*	38.6	
DEKALB-PFIZER CX482	9-26	44.0	5.0	2.0	3.6	48.2	32.1*	47.1*	
FFR 441	9-21	46.6	3.0	--	--	47.0	--	--	
RAY CARROLL-CHARITON	9-24	50.0	5.0	--	--	46.7	--	--	
AGRIPRO AP420	9-21	46.3	4.6	1.0	3.3	46.6	20.9	40.6	
RING AROUND 405	9-30	48.6	5.0	--	--	45.9	--	--	
STINE 4320	9-17	41.6	4.0	--	--	45.7	--	--	
PERSHING	10- 8	37.3	3.0	1.3	1.3	45.2	35.5*	43.5	
DESOTO	9-17	43.3	4.6	1.0	3.0	44.9	31.1*	46.3*	
STINE 4190	9-26	50.3	4.6	2.6	3.6	44.9	37.1**	45.8*	
REEDS 440	9-16	36.6	3.0	1.0	--	44.0	35.4**	--	
MFA PV 42	9-19	44.0	3.3	1.0	3.0	44.0	26.9*	44.1	
DELANGE BRAND DS49	10- 7	49.6	4.0	3.6	--	43.7	32.0*	--	
RING AROUND 404	9-20	41.3	4.0	1.0	--	43.1	23.0	--	
RING AROUND 452	10- 8	50.0	3.3	--	--	42.8	--	--	
SRF HOBSON	9-16	31.3	2.0	1.0	1.3	42.7	23.7	34.3	
RAY CARROLL RAY	9-18	44.0	4.0	--	--	42.6	--	--	
SRF 425	9-17	50.6	5.0	2.0	3.6	42.2	30.1*	39.7	
RING AROUND 451	10- 2	45.3	4.0	2.6	--	42.0	30.3*	--	
CRAWFORD	9-23	48.3	5.0	2.3	4.0	40.5	26.2*	44.5	
PRIZE 4900	10- 7	36.0	2.6	--	--	40.5	--	--	
REEDS 460	9-30	42.3	3.6	--	--	40.3	--	--	
SRF 450P	9-21	44.3	4.0	1.0	2.6	39.0	21.1	39.4	
CLARK 63	9-17	41.3	4.6	1.0	3.6	37.4	22.0	34.5	
MATURITY GROUP AVERAGE	9-25	44.4	4.0	--	--	46.6	28.7	--	
MATURITY GROUP LSD AT .05	NS	8.9	1.0	--	--	7.2	11.6	--	
MATURITY GROUP 5									
FFR 561	10-14	40.3	3.6	3.3	--	46.6**	39.3*	--	
ESSEX	10-10	43.3	4.3	3.6	2.3	46.0*	38.8*	47.1*	
ASGROW A5149	10- 8	46.6	2.3	--	--	43.3*	--	--	
BAY	10-16	43.3	3.6	3.6	3.0	42.6*	34.5	43.2	
DELANGE BRAND DS51	10-17	54.0	3.6	--	--	39.8	--	--	
COKER 425	10- 5	40.6	3.3	3.0	--	39.7	45.9**	--	
PIONEER 5482	10-17	43.6	4.0	3.0	2.0	37.7	37.3	43.5	
FORREST	10-16	50.6	4.0	4.6	3.3	34.3	32.0	40.1	
MATURITY GROUP AVERAGE	10-13	45.3	3.6	--	--	41.3	37.5	--	
MATURITY GROUP LSD AT .05	NS	8.9	1.1	--	--	5.4	7.4	--	
TRIAL AVERAGE									
TRIAL AVERAGE		44.0	4.0	1.8	3.0	45.2	29.7	41.2	
TRIAL LSD AT .05								6.2	

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED AT TWO SOUTHWEST MISSOURI LOCATIONS (LAMAR, AND MT. VERNON) DURING 1985.
PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	LAMAR	MT. VERNON	MEAN	LAMAR	MT. VERNON	MEAN
MATURITY GROUP 3						
WILLIAMS	1.0	4.6	---	33.9**	45.6	---
COKER 393	1.0	3.0	---	30.3*	46.5**	---
WILLIAMS 82	1.0	4.3	---	29.7*	46.4	---
SRF 390	1.0	4.0	---	29.5*	43.8	---
NECO 1000	1.3	4.6	---	31.4*	42.0	---
SRF MATSOY	2.0	5.0	---	26.6	45.2	---
SRF 307P	1.3	4.6	---	27.2	38.4	---
SRF 350P	1.0	4.6	---	25.5	37.9	---
MATURITY GROUP AVERAGE	1.2	4.4	2.8	29.2	43.2	---
MATURITY GROUP LSD AT .05	NS	NS		6.6	NS	5.6
MATURITY GROUP 4						
PRIZE 828	2.6	5.0	---	40.7*	54.2*	---
DOUGLAS	1.0	4.0	---	35.4	56.5*	---
MERSCHMAN DALLAS	2.6	5.0	---	38.5*	52.4*	---
RING AROUND 405	1.3	5.0	---	33.1	43.2**	---
FS HISOY 496 BRAND	2.6	4.3	---	34.4	50.1	---
DEKALB-PFIZER CX415	1.0	4.6	---	28.8	51.8	---
PIXIE	1.0	2.3	---	1.6	26.7	59.2**
ASGROW A4997	1.6	4.0	---	2.8	35.0	49.7
NECO 1350	1.6	4.6	---	3.1	36.0	48.5
SPARKS	1.0	4.3	---	2.6	30.5	52.2*
ASGROW A4271	1.0	4.6	---	2.8	33.1	49.0
DEKALB-PFIZER CX482	1.6	5.0	---	3.3	33.1	48.2
STINE 4320	1.0	4.0	---	2.5	35.7	45.7
RAY CARROLL-CHARITON	1.6	5.0	---	3.3	34.2	46.7
RING AROUND 404	1.3	4.0	---	2.6	37.6*	43.1
AGRIFRO AP350	1.0	4.3	---	2.6	30.7	49.7
STINE 4190	2.0	4.6	---	3.3	35.2	44.9
UNION	1.0	4.6	---	2.8	29.1	48.9
AGRIFRO AP4321	1.0	2.6	---	1.8	28.2	49.8
REEDS 440	1.0	3.0	---	2.0	33.5	44.0
RING AROUND 452	1.0	3.3	---	2.1	34.1	42.8
AGRIFRO AP420	1.0	4.6	---	2.8	29.8	46.6
RING AROUND 451	1.3	4.0	---	2.6	34.0	42.0
PERSHING	1.0	3.0	---	2.0	30.9	45.2
RAY CARROLL RAY	1.0	4.0	---	2.5	33.2	42.6
DESOTO	1.0	4.6	---	2.8	30.5	44.9
DELANGE BRAND DS49	1.0	4.0	---	2.5	31.2	43.7
CRAWFORD	1.0	5.0	---	3.0	33.6	40.5
PRIZE 4900	1.0	2.6	---	1.8	33.0	40.5
LAWRENCE	1.0	3.3	---	2.1	22.5	50.8
MFA PV 42	1.0	3.3	---	2.1	29.2	44.0
FFR 441	1.0	3.0	---	2.0	23.6	47.0
REEDS 460	1.0	3.6	---	2.3	30.0	40.3
SRF 425	1.0	5.0	---	3.0	25.6	42.2
SRF 450P	1.0	4.0	---	2.5	26.0	39.0
SRF HOBSON	1.0	2.0	---	1.5	22.2	42.7
CLARK 63	1.0	4.6	---	2.8	22.6	37.4
MATURITY GROUP AVERAGE	1.2	4.0	2.6	32.0	46.6	---
MATURITY GROUP LSD AT .05	0.6	1.0		6.7	7.2	4.8
MATURITY GROUP 5						
FFR 561	1.0	3.6	---	2.3	32.5	46.6**
ASGROW A5149	1.3	2.3	---	1.8	35.3	43.3*
BAY	1.0	3.6	---	2.3	35.7**	42.6*
ESSEX	1.0	4.3	---	2.6	32.0	46.0*
DELANGE BRAND DS51	1.0	3.6	---	2.3	32.3	39.8
COKER 425	1.0	3.3	---	2.1	31.8	39.7
FORREST	1.0	4.0	---	2.5	30.7	34.3
PIONEER 5482	1.0	4.0	---	2.5	25.5	37.7
MATURITY GROUP AVERAGE	1.0	3.6	2.3	32.0	41.3	---
MATURITY GROUP LSD AT .05	NS	1.1		NS	5.4	4.4
TRIAL AVERAGE						
	1.2	4.0	2.6	31.5	45.2	38.3

--- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR BERTRAND ON THE KENNETH HEATH FARM DURING 1983-85. PLANTED: 14 MAY 1985. HARVESTED: 25 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 4								
RING AROUND 452	9-16	29.0	1.0	---	---	41.5**	---	---
RING AROUND 480	9-12	31.8	1.0	---	---	37.2*	---	---
RING AROUND 405	9-10	28.9	1.0	---	---	31.0*	---	---
HYPERFORMER STEVENS	9- 4	23.1	1.0	1.3	1.0	22.2	26.8	15.8
SRF 450P	9- 6	19.5	1.0	---	---	20.3	---	---
JMS 4982	9- 6	20.1	1.0	1.0	1.3	20.2	30.3*	22.5
RAY CARROLL-CHARITON	9- 5	19.2	1.0	---	---	19.0	---	---
REEDS 460	9- 3	11.9	1.0	---	---	17.1	---	---
AGRIPRO AP350	9- 3	20.2	1.0	1.0	1.0	16.8	23.0	29.2
SPARKS	9- 3	15.9	1.0	---	---	15.5	---	---
CLARK 63	9- 4	19.9	1.0	1.3	1.3	14.7	25.0	21.5
RING AROUND 451	9-17	20.5	1.0	1.3	---	14.6	19.6	---
AGRIPRO AP420	9- 5	18.9	1.0	1.3	1.3	14.0	21.5	24.4
UNION	9- 4	22.4	1.0	1.3	2.0	13.8	19.7	24.3
AGRIPRO AP4321	9- 4	19.2	1.0	---	---	13.6	---	---
DOUGLAS	9- 4	20.2	1.0	1.0	1.0	13.5	24.3	28.2
PIXIE	9- 2	8.6	1.0	1.0	---	13.0	14.6	---
PERSHING	9-13	17.9	1.0	1.0	1.0	12.7	39.3**	31.1
MATURITY GROUP AVERAGE	9- 7	20.4	1.0	---	---	19.5	25.3	---
MATURITY GROUP LSD AT .05	NS	5.4	NS	---	---	11.3	9.3	---
MATURITY GROUP 5								
COCKER 355	9-24	29.2	1.0	1.6	3.0	40.7**	49.6*	43.8*
DELTAPINE 105	9-24	28.7	1.0	2.0	2.0	40.7**	48.2*	42.8*
PIONEER VARIETY 9571	9-25	31.7	1.0	2.3	---	37.7*	48.8*	---
FORREST	9-27	26.8	1.0	2.0	3.0	37.2*	37.7	38.5*
ASGROW A5980	9-22	26.8	1.0	2.6	---	35.1*	43.2	---
NATHAN	9-16	28.4	1.0	2.3	4.0	35.0*	40.6	37.9
HYPERFORMER SHILOH	9-23	30.5	1.0	2.0	1.0	34.6*	41.4	30.9
COCKER 575	9-25	31.3	1.3	---	---	34.5*	---	---
HARTZ 5370	9-27	28.5	1.0	2.6	3.0	34.4*	49.4*	43.8*
PIONEER VARIETY 5482	9-23	29.8	1.0	1.0	1.3	33.4*	43.7	34.7
HARTZ 5252	9-23	30.9	1.0	2.3	2.6	33.2*	51.0**	41.0*
PIONEER VARIETY 9561	9-23	26.3	1.0	1.3	2.0	31.0*	45.6*	43.1*
YIELD KING 563	9-25	27.3	1.0	1.3	3.0	30.4*	47.4*	35.1
ASGROW A5474	9-16	26.3	1.0	1.3	2.0	30.3*	46.5*	43.3*
ESSEX	9-14	26.7	1.0	1.3	1.3	28.2	40.9	31.2
PIONEER VARIETY 9541	9-15	22.3	1.0	---	---	28.2	---	---
PIONEER VARIETY 9531	9-13	17.8	1.0	---	---	27.0	---	---
HYPERFORMER STUTTS	9-19	25.2	1.0	1.6	---	26.6	38.1	---
HARTZ 5171	9-26	27.9	1.0	3.3	2.6	26.5	46.8*	38.5*
FFR 561	9-27	22.2	1.0	---	---	25.8	---	---
JMS 5484	9-14	26.8	1.0	---	---	25.6	---	---
MACK	9-17	24.1	1.0	3.3	3.0	25.4	44.8	42.5*
YIELD KING 503	9-15	24.5	1.0	2.3	3.0	25.3	36.9	38.2*
COCKER 485	9-28	26.6	1.0	2.0	1.6	23.9	49.5*	43.2*
COCKER 425	9-15	17.5	1.0	1.0	1.0	23.8	47.9*	34.0
BEDFORD	9-26	26.2	1.0	2.3	3.0	22.9	42.3	32.0
HYPERFORMER WILSTAR 550	9-30	25.7	1.0	2.0	1.3	20.4	44.0	43.8*
ASGROW A5149	9-16	17.3	1.0	---	---	19.9	---	---
BAY	9-24	21.9	1.0	1.0	1.0	17.2	31.3	30.7
PIONEER VARIETY 9591	9-20	18.5	1.0	---	---	16.2	---	---
MATURITY GROUP AVERAGE	9-21	25.4	1.0	---	---	27.8	43.8	---
MATURITY GROUP LSD AT .05	NS	5.8	NS	---	---	10.9	5.9	---
MATURITY GROUP 6								
BRADLEY	9-28	27.2	1.0	4.0	2.6	34.4**	38.8	37.2
ASGROW A6242	9-28	26.6	1.0	2.3	---	31.8*	42.2	---
RING AROUND 606	10- 7	34.4	1.0	---	---	25.8*	---	---
HARTZ 6130	10- 8	31.6	1.0	1.6	2.6	25.3*	43.3	42.4*
RING AROUND 604	10- 6	26.4	1.0	2.0	2.0	25.2*	43.5**	43.5*
ASGROW A6520	10- 6	25.7	1.0	1.6	---	23.4*	40.3	---
LEE 74	10- 2	25.6	1.0	3.3	2.6	23.3*	37.8	41.5*
TRACY M	10- 1	31.4	1.0	2.3	2.0	23.1*	30.4	42.8*
DELTAPINE 566	10-10	31.6	1.0	---	---	21.7	---	---
YIELD KING 613	10- 1	34.6	1.0	3.0	2.3	20.5	39.0	40.1*
COCKER 156	10- 9	24.0	1.0	1.0	1.3	20.4	41.3	43.6*
YIELD KING 593	10- 8	25.7	1.0	1.6	2.0	19.1	42.7	43.2*
DAVIS	10- 6	26.6	1.0	2.6	2.0	16.5	36.3	43.4*
MATURITY GROUP AVERAGE	10- 4	28.2	1.0	---	---	23.8	39.0	---
MATURITY GROUP LSD AT .05	NS	NS	NS	---	---	11.4	NS	---
TRIAL AVERAGE								
TRIAL AVERAGE		24.8	1.0	1.7	1.7	25.1	36.7	31.5
TRIAL LSD AT .05								8.6

--- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

TABLE 14. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR PARMA ON THE CLAUDE KEASLER FARM DURING 1983-85. PLANTED: 14 MAY 1985. HARVESTED: 6 NOVEMBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATURITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 4								
RING AROUND 452	9-19	36.0	2.9	---	---	36.3**	---	---
PERSHING	9-16	20.9	1.0	1.0	3.5	31.2*	43.5*	12.8
RING AROUND 451	9-20	30.0	1.6	2.0	---	30.9*	34.1	---
RING AROUND 480	9-15	33.9	3.6	---	---	29.4*	---	---
AGRIPRO AP420	9- 8	31.6	3.6	2.3	2.0	29.0*	31.2	3.3
RING AROUND 405	9-14	34.8	2.9	---	---	26.7	---	---
RAY CARROLL-CHARITON	9- 8	28.1	2.9	---	---	24.5	---	---
JMS 4982	9- 9	30.0	4.2	3.0	1.5	23.6	28.5	7.3
UNION	9- 7	26.5	3.3	2.3	1.0	19.8	22.2	7.1
SRF 450P	9- 9	21.2	2.6	---	1.0	19.6	---	10.8
HYPERFORMER STEVENS	9- 7	34.2	3.9	3.0	2.5	19.3	28.7	4.7
DOUGLAS	9- 7	18.1	2.0	1.6	2.5	18.8	28.1	9.7
CLARK 63	9- 7	23.9	2.7	2.6	1.5	18.7	24.3	12.1
AGRIPRO AP4321	9- 7	22.2	1.3	---	---	14.8	---	---
AGRIPRO AP350	9- 6	27.4	2.0	2.3	2.0	14.7	27.9	18.7*
SPARKS	9- 6	22.1	2.0	---	---	9.3	---	---
REEDS 460	9- 6	12.8	0.9	---	---	5.1	---	---
PIXIE	9- 5	9.2	1.0	1.0	---	1.1	23.6	---
MATURITY GROUP AVERAGE	9-10	25.7	2.5	---	---	20.7	30.2	---
MATURITY GROUP LSD AT .05	2	6.4	1.1	---	---	7.4	5.9	---
MATURITY GROUP 5								
FFR 561	9-30	23.7	1.0	---	---	45.8**	---	---
PIONEER VARIETY 9571	9-28	31.3	3.0	5.0	---	42.3*	42.2*	---
PIONEER VARIETY 5482	9-26	29.6	1.6	2.0	1.0	41.4*	42.5*	5.5
PIONEER VARIETY 9561	9-26	26.5	1.3	3.3	2.0	40.4*	45.9*	1.7
COKER 355	9-27	29.3	2.0	5.0	2.0	39.2*	46.2*	16.3*
BEDFORD	9-29	42.9	3.6	5.0	3.0	38.7*	39.3*	18.6*
ASGROW A5474	9-19	30.5	1.3	3.6	2.5	38.4	46.8**	10.2
PIONEER VARIETY 9531	9-16	22.4	1.0	---	---	36.4	---	---
NATHAN	9-19	36.2	3.6	5.0	1.0	35.9	35.2	8.4
HYPERFORMER SHILOH	9-26	34.0	3.0	5.0	3.0	35.5	40.5*	7.6
PIONEER VARIETY 9541	9-18	20.2	2.0	---	---	35.4	---	---
HYPERFORMER STUTTS	9-22	24.9	1.6	3.6	---	35.3	38.2	---
COKER 485	10- 1	29.5	2.0	2.6	2.0	35.2	43.3*	12.3
FORREST	9-30	23.7	1.0	4.0	1.0	34.9	37.2	3.6
BAY	9-27	24.5	1.0	4.3	1.0	34.8	34.5	8.1
DELTAPINE 105	9-27	27.9	3.0	4.3	1.5	34.8	44.0*	11.8
HARTZ 5171	9-29	30.7	2.3	4.3	3.0	33.7	40.7*	22.6**
ASGROW A5980	9-25	39.8	3.0	4.3	---	33.7	45.4*	---
COKER 575	9-28	27.0	1.0	---	---	33.4	---	---
HARTZ 5370	9-30	29.8	2.3	3.0	1.0	33.3	38.0	8.0
YIELD KING 563	9-28	27.3	1.0	4.3	3.5	33.3	32.1	11.6
HARTZ 5252	9-26	26.1	1.3	3.6	3.0	32.7	35.6	9.1
PIONEER VARIETY 9591	9-23	21.6	1.6	---	---	32.6	---	---
YIELD KING 503	9-18	37.1	3.3	3.0	2.5	31.5	22.9	5.6
HYPERFORMER WILSTAR 550	10- 3	27.9	1.3	2.3	1.5	31.3	29.1	2.0
JMS 5484	9-17	24.4	2.3	---	---	30.6	---	---
ASGROW A5149	9-19	24.4	1.0	---	---	29.7	---	---
MACK	9-20	24.7	3.0	4.6	1.0	28.1	30.2	8.0
ESSEX	9-17	20.0	1.3	3.3	2.5	24.7	37.4	12.1
COKER 425	9-18	16.9	1.0	1.3	1.5	22.9	42.1*	9.8
MATURITY GROUP AVERAGE	9-28	27.8	1.9	---	---	34.5	38.0	---
MATURITY GROUP LSD AT .05	4	5.9	1.2	---	---	7.3	7.5	---
MATURITY GROUP 6								
ASGROW A6242	10- 1	30.3	3.0	5.0	---	38.7**	43.7**	---
HARTZ 6130	10-11	36.3	2.0	4.0	1.5	37.7*	43.3*	3.1
ASGROW A6520	10- 9	29.0	2.0	4.6	---	36.7*	41.9*	---
RING AROUND 606	10-10	37.2	2.3	---	3.0	36.3*	---	7.6
DAVIS	10- 9	31.2	2.6	4.3	2.5	33.4**	---	5.7
COKER 156	10-12	29.7	1.6	3.6	1.0	33.4*	37.7*	10.5
TRACY M	10- 6	28.2	3.3	4.0	1.0	33.1	38.8*	11.6
DELTAPINE 566	10-13	30.0	1.6	---	---	32.7	---	---
YIELD KING 613	10- 4	37.7	3.3	5.0	1.0	32.0	37.0*	7.8
BRADLEY	10- 1	28.1	2.0	5.0	1.5	31.5	41.4*	7.3
YIELD KING 593	10-11	25.4	1.6	3.6	1.0	31.4	39.5*	12.6
RING AROUND 604	10- 9	27.9	1.0	---	---	30.4	---	---
LEE 74	10- 5	26.2	2.3	4.0	3.0	27.4	25.3	18.6*
MATURITY GROUP AVERAGE	10- 8	30.2	2.2	---	---	33.4	36.1	---
MATURITY GROUP LSD AT .05	3	5.5	NS	---	---	5.5	10.1	---
TRIAL AVERAGE								
TRIAL AVERAGE		27.7	2.1	3.4	1.8	30.2	35.1	10.2
TRIAL LSD AT .05								9.1

--- DATA NOT AVAILABLE.
 ** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.
 * YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.
 NS NOT SIGNIFICANT.

TABLE 15. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR PORTAGEVILLE ON THE DELTA RESEARCH CENTER DURING 1983-85. PLANTED: 30 MAY 1985. HARVESTED: 7 NOVEMBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATURITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 4								
RING AROUND 480	9-23	27.9	1.3	—	—	30.4**	—	—
PERSHING	9-28	18.3	1.0	1.0	1.0	26.2*	36.9**	17.9
RING AROUND 451	9-23	25.8	1.0	1.0	—	25.1*	33.3*	—
JMS 4982	9-16	26.0	1.6	1.6	1.0	22.1*	27.5	11.8
RING AROUND 405	9-17	25.7	1.3	—	—	21.9*	—	—
HYPERFORMER STEVENS	9-17	24.1	1.0	1.6	1.0	21.0*	28.8	8.9
RING AROUND 452	9-26	24.6	1.0	—	—	20.2	—	—
AGRIPRO AP420	9-13	23.0	1.3	1.0	1.0	19.0	22.6	14.4
UNION	9-13	22.4	1.0	1.3	1.0	18.9	22.5	7.9
RAY CARROLL-CHARITON	9-16	20.6	1.0	—	—	14.6	—	—
SPARKS	9-13	22.6	1.3	—	—	14.0	—	—
AGRIPRO AP350	9-16	18.1	1.0	1.0	1.0	12.1	26.6	12.4
CLARK 63	9-12	19.0	1.6	1.6	1.0	11.3	20.1	12.8
DOUGLAS	9-15	18.8	1.0	1.0	1.0	11.0	20.9	15.6
SRF 450P	9-16	21.0	1.0	—	—	10.9	—	—
AGRIPRO AP4321	9-12	15.5	1.0	—	—	10.6	—	—
REEDS 460	9-12	12.6	1.0	—	—	10.5	—	—
PIXIE	9- 9	10.1	1.0	1.0	—	4.0	10.1	—
MATURITY GROUP AVERAGE	9-17	20.9	1.1	—	—	16.9	24.8	—
MATURITY GROUP LSD AT .05	3	4.0	0.8	—	—	9.5	7.0	—
MATURITY GROUP 5								
ASGROW A5980	10- 6	36.3	1.3	3.3	—	43.8**	44.1*	—
DEL TAPINE 105	10- 2	31.1	1.3	2.6	1.0	39.1*	42.8*	30.3
FFR 561	10- 2	26.0	1.0	—	—	38.7*	—	—
PIONEER VARIETY 9561	10- 1	28.4	1.3	2.0	1.0	36.4*	42.6*	32.0*
HARTZ 5370	9-28	31.0	1.6	3.3	1.0	36.1*	39.8	29.2
COKER 575	10- 3	25.9	1.0	—	—	35.3	—	—
FORREST	10- 1	25.4	1.0	3.0	1.0	35.2	42.0*	30.9
COKER 485	9-27	26.8	1.6	3.0	1.0	35.2	44.7*	30.7
ASGROW A5474	9-28	26.7	1.0	2.0	1.0	35.1	41.0	32.4*
BEDFORD	10- 3	31.6	2.0	4.5	1.3	34.8	40.2	25.8
PIONEER VARIETY 9531	9-26	25.6	1.3	—	—	34.8	—	—
YIELD KING 563	10- 1	27.6	1.0	2.6	1.0	34.2	38.6	23.3
HARTZ 5171	10- 1	27.0	1.3	4.0	1.0	34.0	46.3**	29.1
PIONEER VARIETY 9541	9-28	20.7	1.0	—	—	33.0	—	—
ASGROW A5149	10- 2	26.6	1.3	—	—	32.9	—	—
PIONEER VARIETY 9571	10- 3	28.0	1.0	3.3	—	32.8	36.1	—
HYPERFORMER SHILOH	10- 1	35.6	2.3	2.3	1.0	32.4	37.9	22.6
NATHAN	9-27	33.6	2.0	3.6	1.3	32.1	34.2	22.5
BAY	9-28	24.8	1.0	2.3	1.0	31.7	36.1	32.5*
MACK	9-26	28.0	3.6	4.0	1.6	31.3	33.7	26.4
COKER 355	10- 2	25.2	1.0	2.3	1.0	31.3	39.4	29.6
HARTZ 5252	9-30	25.6	1.3	3.6	1.0	30.0	39.7	28.7
PIONEER VARIETY 5482	9-30	30.6	1.0	2.0	1.0	29.1	40.4	19.5
JMS 5484	9-28	24.8	1.3	—	—	28.8	—	—
YIELD KING 503	9-28	27.2	1.0	2.3	1.0	27.5	37.7	25.6
HYPERFORMER STUTTS	9-28	23.3	1.0	2.0	—	27.2	37.8	—
COKER 425	9-28	20.1	1.0	1.0	1.0	26.5	40.8	21.3
HYPERFORMER WILSTAR 550	10- 4	24.9	1.0	2.3	1.0	25.7	38.6	26.9
ESSEX	9-28	20.7	1.0	2.3	1.0	24.8	29.9	23.9
PIONEER VARIETY 9591	9-29	18.4	1.0	—	—	22.7	—	—
MATURITY GROUP AVERAGE	9-30	26.8	1.3	—	—	32.4	38.7	—
MATURITY GROUP LSD AT .05	6	4.2	0.7	—	—	8.4	5.0	—
MATURITY GROUP 6								
RING AROUND 606	10-11	34.8	1.7	—	—	41.6**	—	—
ASGROW A6242	10- 6	29.2	1.6	3.0	—	41.1*	46.8*	—
ASGROW A6520	10- 9	30.7	1.6	2.6	—	40.9*	42.6*	—
HARTZ 6130	10-10	31.9	1.3	3.0	1.6	39.8*	41.0	37.3**
DAVIS	10- 9	34.0	1.0	2.3	1.0	38.8*	38.7	26.9
TRACY M	10-10	31.4	2.7	2.6	1.0	38.7*	39.1	31.3*
YIELD KING 593	10-10	32.9	1.0	2.6	1.0	38.6*	42.8*	28.8
DEL TAPINE 566	10-16	33.7	1.0	—	—	36.9	—	—
COKER 156	10-12	25.9	1.0	1.3	1.0	36.1	47.4**	33.2*
RING AROUND 604	10-10	32.2	1.0	2.3	1.0	33.2	46.0*	26.8
BRADLEY	10- 5	27.4	1.7	3.6	1.3	31.6	34.0	28.2
LEE 74	10-11	29.3	2.3	2.6	1.0	31.1	33.6	28.3
YIELD KING 613	10- 9	37.1	1.2	2.0	1.3	29.4	36.9	27.0
MATURITY GROUP AVERAGE	10-10	31.4	1.5	—	—	36.7	39.9	—
MATURITY GROUP LSD AT .05	4	3.4	1.0	—	—	4.6	6.2	—
TRIAL AVERAGE								
TRIAL AVERAGE		26.1	1.2	2.2	1.0	28.7	34.9	21.9
TRIAL LSD AT .05								6.2

— DATA NOT AVAILABLE.
 ** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.
 * YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

TABLE 16. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED AT THREE SOUTHEAST MISSOURI LOCATIONS (BERTRAND, PARMA, AND PORTAGEVILLE) DURING 1985.
PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE (1-5)				YIELD (BU/ACRE)			
	BERTRND	PARMA	PORTAGE	MEAN	BERTRAND	PARMA	PORTAGEVILLE	MEAN
MATURITY GROUP 4								
RING AROUND 452	1.0	2.9	1.0	1.6	41.5**	36.3**	20.2	32.6**
RING AROUND 480	1.0	3.6	1.3	1.9	37.2*	29.4*	30.4**	32.3**
RING AROUND 405	1.0	2.9	1.3	1.7	31.0*	26.7	21.9*	26.5
RING AROUND 451	1.0	1.6	1.0	1.2	14.6	30.9*	25.1*	23.5
PERSHING	1.0	1.0	1.0	1.0	12.7	31.2*	26.2*	23.3
JMS 4982	1.0	4.2	1.6	2.2	20.2	23.6	22.1*	21.9
HYPERFORMER STEVENS	1.0	3.9	1.0	1.9	22.2	19.3	21.0*	20.8
AGRIFRO AP420	1.0	3.6	1.3	1.9	14.0	29.0*	19.0	20.6
RAY CARROLL-CHARITON	1.0	2.9	1.0	1.6	19.0	24.5	14.6	19.3
UNION	1.0	3.3	1.0	1.7	13.8	19.8	18.9	17.5
SRF 450P	1.0	2.6	1.0	1.5	20.3	19.6	10.9	16.9
CLARK 63	1.0	2.7	1.6	1.7	14.7	18.7	11.3	14.9
AGRIFRO AP350	1.0	2.0	1.0	1.3	16.8	14.7	12.1	14.5
DOUGLAS	1.0	2.0	1.0	1.3	13.5	18.8	11.0	14.4
AGRIFRO AP4321	1.0	1.3	1.0	1.1	15.6	14.8	10.6	13.0
SPARKS	1.0	2.0	1.3	1.4	15.5	9.5	14.0	12.9
REEDS 460	1.0	1.0	1.0	1.0	17.1	5.1	10.5	10.9
PIXIE	1.0	1.0	1.0	1.0	13.0	1.1	4.0	6.0
MATURITY GROUP AVERAGE	1.0	2.5	1.1	1.5	19.5	20.7	16.9	19.0
MATURITY GROUP LSD AT .05	NS	1.1	0.8		11.3	7.4	9.5	5.6
MATURITY GROUP 5								
DELTAPINE 105	1.0	3.0	1.3	1.7	40.7**	34.8	39.1*	38.2**
PIONEER VARIETY 9571	1.0	3.0	1.0	1.6	37.7*	42.3*	32.8	37.6*
ASGROW A5980	1.3	3.0	1.3	1.8	35.1*	33.7	43.8**	37.5*
COCKER 355	1.0	2.0	1.0	1.3	40.7**	39.2*	31.3	37.0*
FFR 561	1.0	1.0	1.0	1.0	25.8	45.8**	38.7*	36.7*
PIONEER VARIETY 9561	1.0	1.3	1.3	1.2	31.0*	40.4*	36.4*	35.9*
FORREST	1.0	1.0	1.0	1.0	37.2*	34.9	35.2	35.7*
HARTZ 5370	1.0	2.3	1.6	1.6	34.4*	33.3	36.1*	34.6*
ASGROW A5474	1.0	1.3	1.0	1.1	30.3*	38.4	35.1	34.6*
PIONEER VARIETY 5482	1.0	1.6	1.0	1.2	33.4*	41.4*	29.1	34.6*
COCKER 575	1.3	1.0	1.0	1.1	34.5*	33.4	35.3	34.4*
NATHAN	1.0	3.6	2.0	2.2	35.0*	35.9	32.1	34.3*
HYPERFORMER SHILOH	1.0	3.0	2.3	2.1	34.6*	35.5	32.4	34.1*
PIONEER VARIETY 9531	1.0	1.0	1.3	1.1	27.0	36.4	34.8	32.7
YIELD KING 563	1.0	1.0	1.0	1.0	30.4*	33.3	34.2	32.6
PIONEER VARIETY 9541	1.0	2.0	1.0	1.3	28.2	35.4	33.0	32.2
BEDFORD	1.0	3.6	2.0	2.2	22.9	38.7*	34.8	32.1
HARTZ 5252	1.0	1.3	1.3	1.2	33.2*	32.7	30.0	31.9
COCKER 485	1.0	2.0	1.6	1.5	23.9	35.2	35.2	31.4
HARTZ 5171	1.0	2.3	1.3	1.5	26.5	33.7	34.0	31.4
HYPERFORMER STUTTS	1.0	1.6	1.0	1.2	26.6	35.3	27.2	29.7
JMS 5484	1.0	2.3	1.3	1.5	25.6	30.6	28.8	28.3
MACK	1.0	3.0	3.6	2.5	25.4	28.1	31.3	28.2
YIELD KING 503	1.0	3.3	1.0	1.7	25.3	31.5	27.5	28.1
BAY	1.0	1.0	1.0	1.0	17.2	34.8	31.7	27.9
ASGROW A5149	1.0	1.0	1.3	1.1	19.9	29.7	32.9	27.5
ESSEX	1.0	1.3	1.0	1.1	28.2	24.7	24.8	25.9
HYPERFORMER WILSTAR 550	1.0	1.3	1.0	1.1	20.4	31.3	25.7	25.8
COCKER 425	1.0	1.0	1.0	1.0	23.8	22.9	26.5	24.4
PIONEER VARIETY 9591	1.0	1.6	1.0	1.1	16.2	32.6	22.7	23.8
MATURITY GROUP AVERAGE	1.0	1.9	1.3	1.4	27.8	34.5	32.4	31.7
MATURITY GROUP LSD AT .05	NS	1.2	0.7		10.9	7.3	8.4	5.2
MATURITY GROUP 6								
ASGROW A6242	1.0	3.0	1.6	1.8	31.8*	38.7**	41.1*	37.2**
RING AROUND 606	1.0	2.3	1.7	1.6	25.8*	36.3**	41.6**	34.5*
HARTZ 6130	1.0	2.0	1.3	1.4	25.3*	37.7*	39.8*	34.2*
ASGROW A6520	1.0	2.0	1.6	1.5	23.4*	36.7*	40.9*	33.6*
BRADLEY	1.0	2.0	1.7	1.5	34.4**	31.5	31.6	32.5
TRACY M	1.0	3.3	2.7	2.3	23.1*	33.1	38.7*	31.6
DELTAPINE 566	1.0	1.6	1.0	1.2	21.7	32.7	36.9	30.4
COCKER 156	1.0	1.6	1.0	1.1	20.4	33.4*	36.1	29.9
YIELD KING 593	1.0	1.6	1.0	1.1	19.1	31.4	38.6*	29.7
RING AROUND 604	1.0	1.0	1.0	1.0	25.2*	30.4	33.2	29.6
DAVIS	1.0	2.6	1.0	1.5	16.5	33.4*	36.8*	29.5
YIELD KING 613	1.0	3.3	1.2	1.8	20.5	32.0	29.4	27.3
LEE 74	1.0	2.3	2.3	1.8	23.3*	27.4	31.1	27.2
MATURITY GROUP AVERAGE	1.0	2.2	1.5	1.6	23.8	33.4	36.7	31.3
MATURITY GROUP LSD AT .05	NS	NS	1.0		11.4	5.5	4.6	4.6
TRIAL AVERAGE								
TRIAL AVERAGE	1.0	2.1	1.2	1.4	25.1	30.2	28.7	28.0

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.
* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.
NS NOT SIGNIFICANT.

TABLE 17. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED NEAR FAIRFAX ON THE SEYMOUR BROTHERS FARM DURING 1985. PLANTED: 7 MAY 1985. HARVESTED: 17 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 2								
HILL EXP 31	9- 4	37.5	1.2	--	--	50.4**	--	--
FONTANELLE 6161 #	9- 5	41.0	1.5	--	--	48.7	--	--
HILL EXP 32	9- 4	39.0	1.5	--	--	48.7	--	--
MATURITY GROUP AVERAGE	9- 5	39.2	1.4			49.2		
MATURITY GROUP LSD AT .05	1	NS	NS			NS		
MATURITY GROUP 3								
HILL EXP 34	9- 9	42.2	2.0	--	--	51.6**	--	--
MCCUBBIN EX60518	9- 7	41.2	2.0	--	--	50.4*	--	--
KELLER K-924	9- 6	37.5	1.2	--	--	49.6*	--	--
KELLER K-930	9- 7	42.0	1.7	--	--	49.0*	--	--
RAY CARROLL CHARITON II	9- 5	40.7	1.5	--	--	47.7*	--	--
MCCUBBIN EX60614	9- 9	44.7	1.7	--	--	46.8	--	--
JACQUES EXP 85107	9- 5	38.2	1.0	--	--	46.3	--	--
NAPB EX31052	9- 7	41.0	1.7	--	--	45.5	--	--
AMERICANA RIVAL #	9- 9	37.5	1.5	--	--	45.4	--	--
FUNK'S INO355	9- 8	41.7	1.0	--	--	45.1	--	--
WILLIAMS 82 #	9-10	43.2	1.2	--	--	42.7	--	--
MATURITY GROUP AVERAGE	9- 8	41.7	1.5			47.2		
MATURITY GROUP LSD AT .05	2	4.5	0.6			4.7		
MATURITY GROUP 4								
KELLER K-931	9-10	45.7	2.2	--	--	52.5**	--	--
MCCUBBIN EX80610	9- 9	42.0	2.2	--	--	51.4	--	--
HILL EXP 43	9-14	46.7	1.7	--	--	49.8	--	--
SHISSLER EXP 8445	9-10	49.2	2.0	--	--	49.7	--	--
HILL EXP 42	9-11	43.0	1.0	--	--	46.2	--	--
MERSCHMAN DALLAS #	9- 7	52.0	2.0	--	--	45.6	--	--
HILL HS 4150 #	9-10	49.7	1.7	--	--	44.3	--	--
MATURITY GROUP AVERAGE	9-11	46.5	1.9			48.5		
MATURITY GROUP LSD AT .05	3	NS	0.5			NS		
TRIAL AVERAGE								
		42.6	1.5			47.9		

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

CHECK VARIETY.

TABLE 18. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED NEAR NOVELTY ON THE GREENLEY MEMORIAL CENTER DURING 1984-85. PLANTED: 9 MAY 1985. HARVESTED: 7 JANUARY 1986. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1985	1985	1984	1983
MATURITY GROUP 2								
HILL EXP 32	9-22	40.2	1.2	--	--	38.1**	--	--
HILL EXP 31	9-21	41.7	1.5	--	--	36.1	--	--
FONTANELLE 6161 #	9-22	38.7	1.0	1.0	--	32.7	16.6**	--
MATURITY GROUP AVERAGE	9-22	40.3	1.3			35.6	16.5	
MATURITY GROUP LSD AT .05	NS	NS	NS			NS	NS	
MATURITY GROUP 3								
AMERICANA RIVAL #	9-26	37.2	1.2	1.0	--	40.8**	18.8*	--
HILL EXP 34	9-26	37.2	2.2	--	--	38.0	--	--
MCCUBBIN EX60518	9-24	41.7	2.5	--	--	37.7	--	--
KELLER K-924	9-22	36.0	2.0	1.0	--	37.4	15.6	--
FUNK'S IN0355	9-20	37.0	2.0	--	--	36.9	--	--
KELLER K-930	9-23	38.2	2.0	--	--	36.8	--	--
NAPB EX31052	9-27	38.7	2.2	--	--	35.6	--	--
RAY CARROLL CHARITON II	9-21	39.5	1.5	--	--	34.9	--	--
WILLIAMS 82 #	9-29	38.7	1.2	1.0	--	34.3	19.1*	--
MCCUBBIN EX60614	9-21	35.2	1.5	--	--	33.4	--	--
JACQUES EXP 85107	9-19	38.0	1.5	--	--	31.8	--	--
MATURITY GROUP AVERAGE	9-25	38.3	1.8			36.1	18.3	
MATURITY GROUP LSD AT .05	NS	2.8	0.7			NS	3.3	
MATURITY GROUP 4								
SHISSLER EXP 8445	10- 3	40.7	2.0	--	--	40.1**	--	--
KELLER K-931	10- 1	42.0	2.7	--	--	39.9	--	--
HILL HS 4150 #	10- 5	42.2	1.7	1.0	--	39.3	18.5*	--
MERSCHMAN DALLAS #	10- 8	43.7	2.2	1.0	--	39.2	21.2**	--
HILL EXP 42	10- 3	41.7	1.2	--	--	38.5	--	--
HILL EXP 43	10- 3	44.0	2.2	--	--	36.6	--	--
MCCUBBIN EX80610	9-30	41.5	2.5	--	--	35.9	--	--
MATURITY GROUP AVERAGE	10- 3	42.3	2.2			38.5	17.6	
MATURITY GROUP LSD AT .05	NS	NS	0.7			NS	4.2	
TRIAL AVERAGE								
		39.7	1.8	1.0	1.4	36.8	18.0	

-- DATA NOT AVAILABLE.
 ** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.
 * YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.
 NS NOT SIGNIFICANT.
 # CHECK VARIETY.

TABLE 19. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED AT TWO NORTHERN MISSOURI LOCATIONS (FAIRFAX AND NOVELTY) DURING 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE (1-5)			YIELD (BU/ACRE)				
	FAIRFX	NOVELTY	MEAN	FAIRFAX	NOVELTY	MEAN		
MATURITY GROUP 2								
HILL EXP 32	1.5	1.2	--	1.3	48.7	38.1**	--	43.4**
HILL EXP 31	1.2	1.5	--	1.3	50.4**	36.1	--	43.3
FONTANELLE 6161 #	1.5	1.0	--	1.2	48.7	32.7	--	40.7
MATURITY GROUP AVERAGE	1.4	1.3		1.3	49.2	35.6		42.4
MATURITY GROUP LSD AT .05	NS	NS		NS	NS	NS		NS
MATURITY GROUP 3								
HILL EXP 34	2.0	2.2	--	2.1	51.6**	38.0	--	44.8**
MCCUBBIN EX60518	2.0	2.5	--	2.2	50.4*	37.7	--	44.1
KELLER K-924	1.2	2.0	--	1.6	49.6*	37.4	--	43.5
AMERICANA RIVAL #	1.5	1.2	--	1.3	45.4	40.8**	--	43.1
KELLER K-930	1.7	2.0	--	1.8	49.0*	36.8	--	42.9
RAY CARROLL CHARITON II	1.5	1.5	--	1.5	47.7*	34.9	--	41.3
FUNK'S IN0355	1.0	2.0	--	1.5	45.1	36.9	--	41.0
NAPB EX31052	1.7	2.2	--	1.9	45.5	35.6	--	40.6
MCCUBBIN EX60614	1.7	1.5	--	1.6	46.8	33.4	--	40.1
JACQUES EXP 85107	1.0	1.5	--	1.2	46.3	31.8	--	39.1
WILLIAMS 82 #	1.2	1.2	--	1.2	42.7	34.3	--	38.5
MATURITY GROUP AVERAGE	1.5	1.8		1.7	47.2	36.1		41.7
MATURITY GROUP LSD AT .05	0.6	0.7			4.7	NS		NS
MATURITY GROUP 4								
KELLER K-931	2.2	2.7	--	2.4	52.5**	39.9	--	46.2**
SHISSLER EXP 8445	2.0	2.0	--	2.0	49.7	40.1**	--	44.9
MCCUBBIN EX80610	2.2	2.5	--	2.3	51.4	35.9	--	43.7
HILL EXP 43	1.7	2.2	--	1.9	49.8	36.6	--	43.2
MERSCHMAN DALLAS #	2.0	2.2	--	2.1	45.6	39.2	--	42.4
HILL EXP 42	1.0	1.2	--	1.1	46.2	38.5	--	42.4
HILL HS 4150 #	1.7	1.7	--	1.7	44.3	39.3	--	41.8
MATURITY GROUP AVERAGE	1.9	2.2		2.1	48.5	38.5		43.5
MATURITY GROUP LSD AT .05	0.5	0.7			NS	NS		NS
TRIAL AVERAGE	1.5	1.8		1.6	47.9	36.8		42.4

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

CHECK VARIETY.

TABLE 20. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED NEAR MARSHALL ON THE FRANK SWISHER FARM DURING 1984-85. PLANTED: 8 MAY 1985. HARVESTED: 21 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 3								
HILL EXP 34	10-12	46.0	3.2	--	--	53.5**	--	--
KELLER K-930	10-11	50.2	3.5	--	--	51.8	--	--
AMERICANA RIVAL #	10-13	44.5	2.5	4.7	--	51.0	43.3	--
CRESTLAND 3335	10-13	50.7	2.5	--	--	49.9	--	--
KELLER K-924	10-10	38.5	3.2	2.5	--	48.2	35.6	--
RAY CARROLL CHARITON II	10-13	43.7	2.7	--	--	48.0	--	--
WILLIAMS 82 #	10-15	46.5	2.5	2.0	--	46.8	39.1	--
FUNK'S IN0355	10-12	49.7	2.7	--	--	46.3	--	--
MATURITY GROUP AVERAGE	10-13	46.3	2.9			49.4	39.7	
MATURITY GROUP LSD AT .05	NS	5.4	NS			NS	NS	
MATURITY GROUP 4								
MERSCHMAN DALLAS #	10-16	43.2	3.0	4.5	--	53.7**	39.6	--
RAY CARROLL CALDWELL	10-15	50.5	3.7	--	--	53.4	--	--
JACQUES EXP 84123	10-13	44.0	3.5	1.5	--	53.4	38.3	--
MCCUBBIN EX80610	10-18	47.7	3.2	--	--	50.7	--	--
KELLER K-931	10-14	51.0	3.2	--	--	50.6	--	--
HILL EXP 42	10-14	48.7	2.7	--	--	49.2	--	--
HILL EXP 43	10-13	50.2	3.7	--	--	49.2	--	--
SHISSLER EXP 8445	10-18	43.2	2.7	--	--	49.1	--	--
RAY CARROLL LAFAYETTE	10-14	46.2	3.2	--	--	48.1	--	--
MATURITY GROUP AVERAGE	10-15	47.2	3.3			50.8	40.5	
MATURITY GROUP LSD AT .05	NS	NS	NS			NS	7.4	

TRIAL AVERAGE		46.7	3.0	2.8		50.1	39.9	

-- DATA NOT AVAILABLE.
 ** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.
 NS NOT SIGNIFICANT.
 # CHECK VARIETY.

TABLE 21. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED NEAR COLUMBIA ON THE AGRONOMY RESEARCH CENTER DURING 1985.
 PLANTED: 6 MAY 1985. HARVESTED: 9 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 3								
CRESTLAND 3335	9- 7	32.0	1.5	--	--	58.3**	--	--
AMERICANA RIVAL #	9- 8	30.0	1.0	--	--	56.8**	--	--
WILLIAMS 82 #	9- 9	31.7	1.0	--	--	56.0*	--	--
HILL EXP 34	9- 7	32.2	1.2	--	--	54.9*	--	--
FUNK'S IN0355	9- 4	30.0	1.0	--	--	53.8	--	--
KELLER K-930	9- 5	29.7	1.0	--	--	52.7	--	--
RAY CARROLL CHARITON II	9- 2	27.7	1.5	--	--	51.9	--	--
KELLER K-924	9- 1	26.0	1.0	--	--	48.3	--	--
MATURITY GROUP AVERAGE	9- 6	29.9	1.2			54.0		
MATURITY GROUP LSD AT .05	1	3.6	NS			3.9		
MATURITY GROUP 4								
MCCUBBIN EX80610	9-18	34.2	1.2	--	--	56.6**	--	--
KELLER K-931	9-17	36.0	1.2	--	--	56.4	--	--
MERSCHMAN DALLAS #	9- 8	42.0	3.2	--	--	56.2	--	--
SHISSLER EXP 8445	9-16	36.5	1.2	--	--	55.2	--	--
RAY CARROLL CALDWELL	9-13	32.2	1.0	--	--	54.2	--	--
HILL EXP 43	9-20	34.5	1.2	--	--	52.5	--	--
JACQUES EXP 84123	9-15	32.2	1.0	--	--	51.8	--	--
HILL EXP 42	9-17	33.7	1.2	--	--	51.8	--	--
RAY CARROLL LAFAYETTE	9-15	29.5	1.5	--	--	51.7	--	--
MATURITY GROUP AVERAGE	9-16	34.6	1.4			54.0		
MATURITY GROUP LSD AT .05	2	3.4	0.7			NS		

TRIAL AVERAGE		32.3	1.2			54.0		

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

CHECK VARIETY.

TABLE 22. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED AT TWO CENTRAL MISSOURI LOCATIONS (MARSHALL AND COLUMBIA) DURING 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE (1-5)			YIELD (BU/ACRE)				
	MARSHAL	COLUMBA	MEAN	MARSHALL	COLUMBIA	MEAN		
MATURITY GROUP 3								
HILL EXP 34	3.2	1.2	--	2.2	53.5**	54.9*	--	54.2**
CRESTLAND 3335	2.5	1.5	--	2.0	49.9	58.3**	--	54.1*
AMERICANA RIVAL #	2.5	1.0	--	1.7	51.0	56.8*	--	53.9*
KELLER K-930	3.5	1.0	--	2.2	51.8	52.7	--	52.2*
WILLIAMS 82 #	2.5	1.0	--	1.7	46.8	56.0*	--	51.4*
FUNK'S INO355	2.7	1.0	--	1.8	46.3	55.8	--	50.0
RAY CARROLL CHARITON II	2.7	1.5	--	2.1	48.0	51.9	--	49.9
KELLER K-924	3.2	1.0	--	2.1	48.2	48.3	--	48.2
MATURITY GROUP AVERAGE	2.9	1.2		2.1	49.4	54.0		51.7
MATURITY GROUP LSD AT .05	NS	NS			NS	3.9		3.3
MATURITY GROUP 4								
MERSCHMAN DALLAS #	3.0	3.2	--	3.1	53.7**	56.2	--	54.9**
RAY CARROLL CALDWELL	3.7	1.0	--	2.3	53.4	54.2	--	53.8*
MCCUBBIN EX80610	3.2	1.2	--	2.2	50.7	56.6**	--	53.6*
KELLER K-931	3.2	1.2	--	2.2	50.6	56.4	--	53.5*
JACQUES EXP 84123	3.5	1.0	--	2.2	53.4	51.8	--	52.6*
SHISSLER EXP 8445	2.7	1.2	--	1.9	49.1	55.2	--	52.1*
HILL EXP 43	3.7	1.2	--	2.4	49.2	52.5	--	50.8
HILL EXP 42	2.7	1.2	--	1.9	49.2	51.8	--	50.5
RAY CARROLL LAFAYETTE	3.2	1.5	--	2.3	48.1	51.7	--	49.9
MATURITY GROUP AVERAGE	3.3	1.4		2.4	50.8	54.0		52.4
MATURITY GROUP LSD AT .05	NS	0.7			NS	NS		3.2
TRIAL AVERAGE								
	3.0	1.2		2.1	50.1	54.0		52.0

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.
 * YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.
 NS NOT SIGNIFICANT.
 # CHECK VARIETY.

TABLE 23. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED NEAR LAMAR ON THE WALLY NORTON FARM DURING 1985. PLANTED: 20 MAY 1985. HARVESTED: 8,28 OCTOBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 3								
WILLIAMS 82 #	--	25.7	1.0	--	--	30.5**	--	--
CRESILAND 3335	--	26.2	1.2	--	--	29.3	--	--
MATURITY GROUP AVERAGE		26.0	1.1			29.9		
MATURITY GROUP LSD AT .05		NS	NS			NS		
MATURITY GROUP 4								
MERSCHMAN DALLAS #	--	34.2	1.2	--	--	39.7**	--	--
S79-4259	--	35.7	1.5	--	--	39.4*	--	--
S79-4259-A	--	40.0	2.7	--	--	36.4*	--	--
DOUGLAS #	--	40.0	1.7	--	--	33.9	--	--
S79-4296	--	24.7	1.0	--	--	28.7	--	--
JACQUES EXP 84129	--	29.5	1.0	--	--	28.2	--	--
MATURITY GROUP AVERAGE		34.0	1.5			34.3		
MATURITY GROUP LSD AT .05		2.1	0.6			3.7		
MATURITY GROUP 5								
ESSEX #	--	26.0	1.2	--	--	36.4**	--	--
BRAYTON SEEDS S84112	--	36.7	1.0	--	--	34.8	--	--
JACQUES EXP 83140	--	29.5	1.2	--	--	31.8	--	--
BAY #	--	35.0	1.2	--	--	31.0	--	--
MATURITY GROUP AVERAGE		31.8	1.2			33.5		
MATURITY GROUP LSD AT .05		2.6	NS			NS		
TRIAL AVERAGE								
		31.9	1.3			33.3		

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

CHECK VARIETY.

TABLE 24. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED NEAR MT. VERNON ON THE SOUTHWEST CENTER DURING 1984-85. PLANTED: 17 MAY 1985. HARVESTED: 5 NOVEMBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 3								
WILLIAMS 82 #	9-15	46.7	4.5	2.0	--	55.1**	26.9**	--
CRESTLAND 3335	9-17	45.5	5.0	--	--	49.5	--	--
MATURITY GROUP AVERAGE	9-16	46.1	4.8			52.3	22.7	
MATURITY GROUP LSD AT .05	NS	NS	NS			NS	6.1	
MATURITY GROUP 4								
JACQUES EXP 84129	9-25	50.7	4.7	2.5	--	57.4**	22.2	--
MERSCHMAN DALLAS #	9-29	54.2	4.7	3.0	--	53.9*	29.5	--
S79-4296	9-23	51.0	5.0	4.0	--	51.5	29.8	--
DOUGLAS #	10- 7	53.7	5.0	2.0	--	44.7	28.9	--
S79-4259-A	10- 7	51.2	5.0	--	--	44.1	--	--
S79-4259	10- 3	56.5	4.7	4.7	--	41.8	24.1	--
MATURITY GROUP AVERAGE	10- 1	52.9	4.9			48.9	26.9	
MATURITY GROUP LSD AT .05	NS	NS	NS			4.0	3.7	
MATURITY GROUP 5								
ESSEX #	10-14	44.0	4.0	3.2	--	50.3**	31.3*	--
BRAYTON SEEDS S84112	10-19	57.5	4.7	--	--	45.8	--	--
JACQUES EXP 83140	10-15	47.2	3.5	--	--	45.7	--	--
BAY #	10-18	46.7	4.0	4.2	--	42.9	26.9	--
MATURITY GROUP AVERAGE	10-17	48.9	4.1			46.1	28.4	
MATURITY GROUP LSD AT .05	NS	8.8	0.5			NS	3.6	
TRIAL AVERAGE								
		50.4	4.5	3.0		48.5	27.0	

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

CHECK VARIETY.

TABLE 25. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED AT TWO SOUTHWEST MISSOURI LOCATIONS (LAMAR, AND MT. VERNON) DURING 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	LAMAR	MT. VERNON	MEAN	LAMAR	MT. VERNON	MEAN
MATURITY GROUP 3						
WILLIAMS 82 #	1.0	4.5	---	30.5**	55.1**	---
CRESTLAND 3335	1.2	5.0	---	29.3	49.5	---
MATURITY GROUP AVERAGE	1.1	4.8	2.9	29.9	52.3	41.1
MATURITY GROUP LSD AT .05	NS	NS		NS	NS	NS
MATURITY GROUP 4						
MERSCHMAN DALLAS #	1.2	4.7	---	39.7**	53.9*	---
JACQUES EXP 84129	1.0	4.7	---	28.2	57.4**	---
S79-4259	1.5	4.7	---	39.4*	41.8	---
S79-4259-A	2.7	5.0	---	36.4*	44.1	---
S79-4296	1.0	5.0	---	26.7	51.5	---
DOUGLAS #	1.7	5.0	---	33.9	44.7	---
MATURITY GROUP AVERAGE	1.5	4.9	3.2	34.3	48.9	41.6
MATURITY GROUP LSD AT .05	0.6	NS		3.7	4.0	2.7
MATURITY GROUP 5						
ESSEX #	1.2	4.0	---	36.4**	50.3**	---
BRAYTON SEEDS S84112	1.0	4.7	---	34.8	45.8	---
JACQUES EXP 83140	1.2	3.5	---	31.8	45.7	---
BAY #	1.2	4.0	---	31.0	42.9	---
MATURITY GROUP AVERAGE	1.2	4.1	2.7	33.5	46.1	39.8
MATURITY GROUP LSD AT .05	NS	0.5		NS	NS	NS
TRIAL AVERAGE						
	1.3	4.5	2.9	33.3	48.5	40.9

--- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

CHECK VARIETY.

TABLE 26. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED NEAR PARMA ON THE CLAUDE KEASLER FARM DURING 1984-85. PLANTED: 14 MAY 1985. HARVESTED: 6 NOVEMBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 4								
S79-4296	9-17	45.0	3.7	--	--	35.4**	--	--
S79-4259	9-16	47.5	3.7	4.2	--	34.1*	43.4**	--
S79-4259-A	9-16	44.0	4.5	--	--	34.0*	--	--
MERSCHMAN DALLAS #	9-9	32.2	3.5	--	--	25.2	--	--
JACQUES EXP 84129	9-9	32.0	3.5	--	--	24.5	--	--
TAYLOR-EVANS GA 8450-A	9-8	29.0	2.2	--	--	22.3	--	--
MATURITY GROUP AVERAGE	9-13	38.3	3.5			29.2	34.3	
MATURITY GROUP LSD AT .05	2	1.5	0.9			4.9	9.4	
MATURITY GROUP 5								
HARTZ H80-18048	9-30	31.0	2.0	--	--	44.4**	--	--
COOKER 82-824	9-29	31.5	1.5	--	--	44.4**	--	--
DELTAPINE X675	9-30	35.5	2.2	--	--	41.0*	--	--
COOKER 82M-115	10-2	34.7	2.2	3.0	--	41.0*	39.8	--
JACQUES EXP 83140	9-19	25.0	2.2	2.7	--	38.1*	33.0	--
ASGROW A5474 #	9-19	33.2	2.5	3.5	--	37.3**	43.4*	--
DELTAPINE X1091	9-19	26.0	1.2	--	--	36.8*	--	--
COOKER 82M-128	10-13	43.2	2.7	--	--	36.5	--	--
ESCO B2J	9-29	29.5	3.5	--	--	36.0	--	--
RAY CARROLL RAY4	9-22	34.2	2.2	--	--	35.5	--	--
COOKER 80R-49	9-20	27.0	1.2	--	--	34.5	--	--
COOKER 81-360	9-22	29.0	1.7	--	--	34.1	--	--
BRAYTON SEEDS S84112	9-26	36.7	2.7	--	--	32.9	--	--
FORREST #	9-30	26.2	1.0	2.7	--	31.8	32.0	--
BRAYTON SEEDS S84116	9-30	34.0	2.2	--	--	29.4	--	--
HYPERFORMER HB-EXF 141-S5-5	10-3	23.7	1.2	--	--	23.4	--	--
MATURITY GROUP AVERAGE	9-27	31.3	2.0			36.0	35.4	
MATURITY GROUP LSD AT .05	4	7.6	1.2			7.7	6.1	
MATURITY GROUP 6								
COOKER 82-829	10-6	30.2	1.2	--	--	41.0**	--	--
COOKER 82-832	10-6	29.5	1.2	--	--	40.9*	--	--
TRACY M #	10-7	34.2	3.7	4.2	--	39.2*	38.7	--
COOKER 82-836	10-5	29.2	1.2	--	--	37.1*	--	--
DELTAPINE X806	10-20	38.5	5.0	--	--	35.6**	--	--
DELTAPINE X2251	10-18	40.0	3.5	--	--	34.9*	--	--
COOKER 156 #	10-13	27.2	2.5	2.7	--	34.4*	35.6	--
COOKER 83-319	10-14	36.5	2.7	--	--	33.6	--	--
COOKER 82M-224	10-5	33.2	1.7	--	--	31.1	--	--
DELTAPINE X777	10-18	39.2	4.5	--	--	30.6	--	--
HARTZ H80-8104	10-4	23.0	1.5	--	--	28.6	--	--
MATURITY GROUP AVERAGE	10-11	32.8	2.6			35.1	39.6	
MATURITY GROUP LSD AT .05	3	7.3	1.1			6.9	5.2	
TRIAL AVERAGE								
		33.0	2.4	3.1		34.5	36.1	

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

CHECK VARIETY

TABLE 27. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED NEAR PORTAGEVILLE ON THE DELTA RESEARCH CENTER DURING 1985. PLANTED: 30 MAY 1985. HARVESTED: 7 NOVEMBER 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1985		LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1985	1984	1983	1985	1984	1983
MATURITY GROUP 4								
S79-4296	9-20	30.7	1.5	--	--	37.9**	--	--
S79-4259-A	9-18	36.0	3.2	--	--	33.6*	--	--
S79-4259	9-18	32.2	2.0	--	--	32.1*	--	--
JACQUES EXP 84129	9-18	26.5	2.2	--	--	23.2	--	--
MERSCHMAN DALLAS #	9-18	22.5	1.2	--	--	21.9	--	--
TAYLOR-EVANS GA 8450-A	9-13	22.0	1.2	--	--	12.6	--	--
MATURITY GROUP AVERAGE	9-18	28.3	1.9			26.8		
MATURITY GROUP LSD AT .05	NS	3.4	NS			5.9		
MATURITY GROUP 5								
ASGROW A5474 #	10- 9	30.5	1.5	--	--	40.3**	--	--
HARTZ H80-18048	10- 4	30.0	1.5	--	--	40.2**	--	--
COCKER 82-824	10- 2	25.7	1.0	--	--	39.1**	--	--
FORREST #	9-30	28.7	1.5	--	--	38.9*	--	--
COCKER 82M-128	10-10	36.2	2.0	--	--	37.1**	--	--
COCKER 82M-115	10- 6	31.5	2.5	--	--	36.8**	--	--
DELTAPINE X675	10- 2	27.5	1.0	--	--	35.6**	--	--
DELTAPINE X1091	10- 1	24.5	1.2	--	--	34.9*	--	--
RAY CARROLL RAY4	10- 1	27.0	1.2	--	--	34.7**	--	--
COCKER 81-360	9-29	26.0	1.5	--	--	33.1	--	--
BRAYTON SEEDS S84112	10- 4	25.7	1.0	--	--	32.5	--	--
HYPERFORMER HB-EXF 141-S5-5	10- 4	24.5	1.0	--	--	32.5	--	--
ESCO B2J	10- 4	24.7	2.0	--	--	31.9	--	--
BRAYTON SEEDS S84116	10- 1	23.2	1.5	--	--	30.8	--	--
JACQUES EXP 83140	9-26	21.7	1.2	--	--	29.4	--	--
COCKER 80R-49	10- 1	21.2	1.0	--	--	24.6	--	--
MATURITY GROUP AVERAGE	10- 3	26.8	1.4			34.5		
MATURITY GROUP LSD AT .05	NS	4.0	0.7			6.1		
MATURITY GROUP 6								
DELTAPINE X806	10- 8	29.5	1.7	--	--	40.9**	--	--
COCKER 82-836	10- 8	26.5	1.0	--	--	38.6*	--	--
COCKER 82-832	10- 8	26.5	1.2	--	--	38.1*	--	--
COCKER 156 #	10- 8	28.7	1.0	--	--	37.9**	--	--
COCKER 82-829	10- 8	22.7	1.5	--	--	37.2**	--	--
TRACY M #	10-12	31.5	2.7	--	--	36.8**	--	--
DELTAPINE X2251	10-18	37.0	2.7	--	--	35.9**	--	--
DELTAPINE X777	10- 9	34.5	1.5	--	--	33.8	--	--
COCKER 82M-224	10- 7	32.5	1.0	--	--	33.2	--	--
COCKER 83-319	10-13	31.2	1.5	--	--	32.6	--	--
HARTZ H80-8104	10-10	23.5	1.0	--	--	25.9	--	--
MATURITY GROUP AVERAGE	10-10	29.5	1.5			35.5		
MATURITY GROUP LSD AT .05	6	NS	0.7			6.6		
TRIAL AVERAGE								
		27.9	1.5			33.4		

-- DATA NOT AVAILABLE.

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

* YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.

NS NOT SIGNIFICANT.

CHECK VARIETY.

TABLE 28. PERFORMANCE OF EXPERIMENTAL SOYBEAN VARIETIES EVALUATED AT TWO SOUTHEAST MISSOURI LOCATIONS (PARMA, AND PORTAGEVILLE) DURING 1985. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE (1-5)			YIELD (BU/ACRE)				
	BERTRND	PARMA	MEAN	BERTRND	PARMA	MEAN		
MATURITY GROUP 4								
S79-4296	3.7	1.5	---	2.6	35.4**	37.9**	---	36.7**
S79-4259-A	4.5	3.2	---	3.8	34.0*	33.6*	---	33.8*
S79-4259	3.7	2.0	---	2.8	34.1*	32.1*	---	33.1*
JACQUES EXP 84129	3.5	2.2	---	2.8	24.5	23.2	---	23.9
MERSCHMAN DALLAS #	3.5	1.2	---	2.3	25.2	21.9	---	23.6
TAYLOR-EVANS GA 8450-A	2.2	1.2	---	1.7	22.3	12.6	---	17.5
MATURITY GROUP AVERAGE	3.5	1.9		2.7	29.2	26.8		28.0
MATURITY GROUP LSD AT .05	0.9	NS			4.9	5.9		4.1
MATURITY GROUP 5								
HARTZ H80-18048	2.0	1.5	---	1.7	44.4**	40.2*	---	42.3**
COKER 82-824	1.5	1.0	---	1.2	44.4**	39.1*	---	41.8*
COKER 82M-115	2.2	2.5	---	2.3	41.0*	36.8*	---	38.9*
ASGROW A5474 #	2.5	1.5	---	2.0	37.3*	40.3**	---	38.6*
DELTA PINE X675	2.2	1.0	---	1.6	41.0*	35.6*	---	38.3*
COKER 82M-128	2.7	2.0	---	2.3	36.5	37.1*	---	36.8*
DELTA PINE X1091	1.2	1.2	---	1.2	36.8*	34.9*	---	35.9
FORREST #	1.0	1.5	---	1.2	31.8	38.9*	---	35.4
RAY CARROLL RAY4	2.2	1.2	---	1.7	35.5	34.7*	---	35.1
ESCO B2J	3.5	2.0	---	2.7	36.0	31.9	---	34.0
JACQUES EXP 83140	2.2	1.2	---	1.7	38.1*	29.4	---	33.8
COKER 81-360	1.7	1.5	---	1.6	34.1	33.1	---	33.6
BRAYTON SEEDS S84112	2.7	1.0	---	1.8	32.9	32.5	---	32.7
BRAYTON SEEDS S84116	2.2	1.5	---	1.8	29.4	30.8	---	30.1
COKER 80R-49	1.2	1.0	---	1.1	34.5	24.6	---	29.6
HYPERFORMER HB-EXF 141-S5-5	1.2	1.0	---	1.1	23.4	32.5	---	28.0
MATURITY GROUP AVERAGE	2.0	1.4		1.7	36.0	34.5		35.3
MATURITY GROUP LSD AT .05	1.2	0.7			7.7	6.1		5.7
MATURITY GROUP 6								
COKER 82-832	1.2	1.2	---	1.2	40.9*	38.1*	---	39.5**
COKER 82-829	1.2	1.5	---	1.3	41.0**	37.2*	---	39.1*
DELTA PINE X806	5.0	1.7	---	3.3	35.6*	40.9**	---	38.3*
TRACY M #	3.7	2.7	---	3.2	39.2*	36.8*	---	38.0*
COKER 82-836	1.2	1.0	---	1.1	37.1*	38.6*	---	37.9*
COKER 156 #	2.5	1.0	---	1.7	34.4*	37.9*	---	36.2*
DELTA PINE X2251	3.5	2.7	---	3.1	34.9*	35.9*	---	35.4*
COKER 83-319	2.7	1.5	---	2.1	33.6	32.6	---	33.1
DELTA PINE X777	4.5	1.5	---	3.0	30.6	33.8	---	32.2
COKER 82M-224	1.7	1.0	---	1.3	31.1	33.2	---	32.2
HARTZ H80-8104	1.5	1.0	---	1.2	28.6	25.9	---	27.3
MATURITY GROUP AVERAGE	2.6	1.5		2.1	35.1	35.5		35.3
MATURITY GROUP LSD AT .05	1.1	0.7			6.9	6.6		5.4
TRIAL AVERAGE								
	2.4	1.5		1.9	34.5	33.4		34.0

** HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.
 * YIELD NOT SIGNIFICANTLY LESS THAN THE HIGHEST YIELDING VARIETY IN THE SAME MATURITY GROUP.
 NS NOT SIGNIFICANT.
 # CHECK VARIETY.

TABLE 29. CHARACTERISTICS OF SOYBEAN VARIETIES AND BLENDS*.

DESIGNATION	VARIETY OR BLEND	MATURITY GROUP	COLOR				CYST NEMATODE	PHYTO-PHTHORA ROOT ROT	SENCOR INJURY
			FLOWER	POD	PUBESCENCE	HILUM			
COMMERCIAL VARIETIES OF BLENDS									
AGRI PRO AP 350	V	4	P	BR	G	IBL	S	T	T
AGRI PRO AP 420	V	4	W	TN	G	BF	S	T	T
AGRI PRO AP 4321	V	4	P	BR	TN	BL	S	T	T
AGRI PRO HP31052	V	3	P	-	TN	BL	-	-	T
AGRI PRO HP3700	V	3	P	-	TN	BL	-	-	T
AMERICANA B567	V	4	P	-	G	BF	S	T	-
AMERICANA DIXIE	V	4	P	-	BR	GR	S	T	-
AMERICANA JACKSON	V	4	W	TN	BR	BL	R	T	T
AMERICANA MARINER	V	2	P	BR	G	Y	S	T	T
AMERICANA RIVAL	V	3	P	BR	BR	GR	S	T	T
AMERICANA SENTRY	V	3	W	-	BR	BL	S	T	T
AMERICANA VOYAGER	V	3	P	-	G	BF	S	T	T
ASGROW A3427	V	3	P	TN	TW	BL	S	R	T
ASGROW A3803	V	3	W	TN	TW	BL	S	R	T
ASGROW A3966	V	3	P	TN	TW	BL	S	R	T
ASGROW A4271	V	4	W	TN	TW	BL	S	R	T
ASGROW A4997	V	4	P	TW	G	G	S	R	T
ASGROW A5149	V	4	P	-	TW	BL	S	R	T
ASGROW A5474	V	5	W	BR	TW	BL	R	R	T
ASGROW A5980	V	5	P	TN	TW	BL	R	R	T
ASGROW A6242	V	6	P	BR	TW	BL	R	R	T
ASGROW A6520	V	6	P	TN	TW	BL	R	R	T
BIN-BUSTER 3802	V	3	-	-	-	-	-	-	-
BIN-BUSTER 4250	V	4	-	-	-	-	-	-	-
BRAD 35	V	3	P	-	BR	G	-	R	-
BRAD 34	V	3	P	-	BR	BL	-	R	-
BRAD 39	V	3	P	-	BR	G	-	R	-
BRAD 41	V	4	P	-	G	IBL	-	R	-
COOKER 156	V	6	W	TN	G	BF	S	T	S
COOKER 355	V	5	P	BR	TW	BL	R	T	T
COOKER 393	V	5	P	TN	TW	BL	S	T	T
COOKER 425	V	5	P	TN	TW	BL	S	T	T
COOKER 485	V	5	P	TN	TW	BL	S	T	T
COOKER 575	V	5	W	-	TW	BL	R	T	T
COOKER 80R-49	V	5	-	-	-	-	-	-	-
COOKER 81-360	V	5	-	-	-	-	-	-	-
COOKER 82M-115	V	5	-	-	-	-	-	-	-
COOKER 82M-128	V	5	-	-	-	-	-	-	-
COOKER 82M-224	V	6	-	-	-	-	-	-	-
COOKER 82-824	V	5	-	-	-	-	-	-	-
COOKER 82-829	V	6	-	TN	TW	BL	-	-	-
COOKER 82-832	V	6	-	TN	TW	BL	-	-	-
COOKER 82-836	V	6	-	TN	TW	BL	-	-	-
COOKER 83-319	V	6	-	TN	TW	BL	-	-	-
CRESTLAND 3301A	V	3	W	-	G	BL	-	R	-
CRESTLAND 3335	V	3	P, W	-	G	BR	-	R	-
DEKALB-PFIZER CX380	V	3	W	TN	TW	BL	S	T	-
DEKALB-PFIZER CX415	V	4	W	-	BR	BL	S	T	-
DEKALB-PFIZER CX482	V	4	P	TN	G	BF	S	T	-
DELANGE BRAND DS49	V	4	P	BR	BR	BR	R	R	-
DELANGE BRAND DS51	V	5	P	-	G	IBL	-	R	-
DELTA PINE 105	V	5	P	TN	G	IBL	-	R	T
DELTA PINE 566	V	6	W	TN	TN	BL	R	T	T
DELTA PINE X675	V	5	W	-	TN	BR	R	T	T
DELTA PINE X777	V	6	P	-	G	IBL	-	T	T
DELTA PINE X806	V	6	P	-	G	BL	-	T	T
DELTA PINE X1091	V	5	P	-	G	BF	-	T	T
DELTA PINE X2251	V	6	W	-	TN	BL	-	T	T
DESOY 888	B	3	P	-	G	IBL, Y	-	T	T
DESOY 975	B	3	P	BR, TN	TN	BL, TN	-	T	T
DIAMOND BRAND D315	V	3	W	-	G	BF	-	T	T
DIAMOND BRAND D320B	B	3	W, P	-	TW	BL	-	R	T
DIAMOND BRAND D330	V	3	W	-	TW	BL	-	R	T
DIAMOND BRAND D351	V	4	P	-	TW	BL	-	R	T
DIAMOND BRAND D355B	B	4	P	-	G, TW	BL, IBL	-	R	T
DOUBLE SS 3582	V	3	P	BR	BR	G	S	T	T
DOUBLE SS 4082	V	4	P	BR	BR	BR	S	T	T
DOUBLE SS 4185	V	4	P	-	G	IBL	S	T	T
ESCO B2J	V	5	-	-	-	-	-	-	-
FFR 331	V	3	P	-	G	Y	S	S	-
FFR 441	V	4	W	-	TW	BL	S	S	-

TABLE 29. CONTINUED.

DESIGNATION	VARIETY OR BLEND	MATURITY GROUP	COLOR				CYST NEMATODE	PHYTO- PHTHORA ROOT ROT	SENIOR INJURY
			FLOWER	POD	PUBESCENCE	HILUM			
FFR 561	V	5	W	TN	G	BF	S	S	T
FONTANELLE 5708	V	2	W	-	BR	BL	-	T	-
FONTANELLE 6161	V	2	P	-	G	BR	-	T	-
FONTANELLE 8464	V	3	P	-	TN	BL	-	T	-
FONTANELLE 6540	V	3	P	-	BR	BL	-	T	-
FORTUNE 666E	V	3	P	-	BR	BL	-	T	-
FORTUNE 727	V	4	P	-	G	IBL	-	T	-
FORTUNE 747E	V	4	P	-	BR	IBL	-	T	-
FS HISOY HS 265	V	2	P	-	TW	G	-	R	T
FS HISOY HS 348	V	2	P	-	TW	BL	-	R	T
FS HISOY 322	V	3	W	-	TW	BL	-	R	T
FS HISOY 360	V	3	P	-	-	BL	-	S	T
FS HISOY 450	V	4	P	-	TW	BR	-	S	T
FS HISOY 496	V	4	P	-	G	BF	-	S	T
FUNK G3396	B	3	M	TN	TN	BL	S	S	-
FUNK G3399	B	3	P	-	TN	M	S	S	-
FUNK IN0355	V	3	P	-	TN	IBL	S	S	-
GOLDEN ACRES 8450-A	V	4	W	-	TW	BR	S	T	T
HARTZ 5171	V	5	W	TN	G	BF	R	T	T
HARTZ 5252	V	5	P	TN	TN	BL	R	T	T
HARTZ 5370	V	5	W	TN	TN	BL	R	T	T
HARTZ 6130	V	5	W	-	TN	BL	R	T	T
HARTZ H80-18048	V	5	W	-	TN	BL	R	T	T
HARTZ H80-8104	V	6	P	-	G	BL	-	T	T
HILL HS 4150	B	3	P	BR	G	IBL	-	T	T
HILL HSX 3000	V	3	P	-	TN	BR	-	T	T
HILL EXP 31	V	2	P	-	G	Y	-	T	T
HILL EXP 32	V	2	W	-	G	BL	-	T	T
HILL EXP 34	V	3	W	-	TN	BR	-	T	T
HILL EXP 42	V	4	W	-	G	IBL	-	T	T
HILL EXP 43	B	4	P	-	G	IBL	-	T	T
HOFLER CORAL	B	3	P	BR	TN	BR	-	S	-
HOFLER CRYSTAL	B	3	W	-	TN	BL	-	S	-
HOFLER GEM	B	3	P	BR	G	Y	-	S	-
HOFLER TOPAZ	B	3	W	BR	TW	BL	-	S	-
HOFLER QUARTZ	B	4	P	-	TN	BR	-	S	-
JACQUES EXP 83140	V	5	P	TN	G	BF	S	S	-
JACQUES EXP 85107	V	3	P	-	-	-	-	S	-
JACQUES EXP 84123	V	4	P	TN	G	G	S	S	-
JACQUES EXP 84129	V	4	P	-	TW	BL	S	S	-
JMS 3482	V	3	W	BR	TW	BL	S	S	-
JMS 4383	V	4	W	BR	TW	BR	S	S	-
JMS 4982	V	4	W	TN	TW	BR	S	S	-
JMS 5484	V	5	W	-	TW	BL	T	S	-
JMS 2382	V	2	-	-	-	-	-	S	-
KELLER KNOX	V	2	P	BR	G	Y	S	S	-
KELLER PATTON	V	4	P	TN	G	BF	S	S	-
KELLER K-924	V	3	P	BR	G	Y	S	S	-
KELLER K-930	V	3	W	-	TN	BL	S	S	-
KELLER K-931	V	4	P	-	TN	BR	S	S	-
KING CITY-853	V	3	P	BR	BR	BL	-	R	-
KING CITY-954	V	3	P	BR	BR	G	-	R	-
KRUGER K4121	V	3	P	-	TW	TN	S	S	-
KRUGER KB375	B	3	P, W	BR	TW	BL	S	S	-
KRUGER KB3133	B	3	P, W	-	TW	BL, TN	S	S	-
KSC 378	V	3	P	-	BR	BL	S	T	-
KSC 383	V	3	P	BR	BR	G	S	T	-
KSC 400	V	4	W	BR	TN	BR	S	R	-
KSC K45	V	4	W	TN	TN	BL	S	R	-
LAND O'LAKES L4106	V	3	W	TN	G	Y	S	R	-
LEWIS 26	V	2	P	BR	G	Y	S	T	T
LEWIS 34	V	3	P	BR	TN	BR	S	T	T
LEWIS 48	V	4	W	-	TW	G	S	R	T
MASCO BARON	V	2	P	BR	G	Y	S	S	-
MASCO DYNAMO II	V	2	W	BR	TW	BL	S	S	-
MASCO ECLIPSE	V	3	P	BL, TN	TW	Y	S	S	-
MASCO 8341	V	2	P	BR	G	BL	S	S	-
MASCO 8400	V	4	P	-	TW	Y	S	S	-
MASCO 8423	V	4	W	BR	TW	BL	S	S	-
MASCO 8493	V	3	P, W	BR	TW	BR	S	S	-

TABLE 29. CONTINUED.

DESIGNATION	VARIETY OR BLEND	MATURITY GROUP	COLOR				CYST NEMATODE	PHYTO-PHTHORA ROOT ROT	SENCOR INJURY
			FLOWER	POD	PUBESCENCE	HILUM			
MCCLINTOCK MERIT	V	3	W, P	BR	BR	GR	-	S	T
MCCUBBIN ALBANY II	V	4	P	TN	TW	BR	-	S	-
MCCUBBIN CARSON	V	4	P	TN	G	BF	-	S	-
MCCUBBIN TROY	V	3	P	BR	G	IBL	-	S	-
MCCUBBIN TAYLOR	V	2	P	BR	G	Y	-	S	-
MCCUBBIN EX 60614	V	3	P	-	-	Y	-	-	-
MCCUBBIN EX 60518	V	3	P	-	TW	TN	-	-	-
MCCUBBIN EX 80610	V	4	P	-	TW	BR	-	-	-
MERSCHMAN ATLANTA	V	4	W	BR	TW	BR	S	R	T
MERSCHMAN BOSTON	V	4	W, P	BR	TW	BR	S	R	T
MERSCHMAN DALLAS	V	4	P	TN	G	BF	S	R	T
MERSCHMAN DENVER II	V	4	P, W	TN, BR	TW, G	BF, BR	S	R	T
MERSCHMAN EISENHOWER	V	3	W	BR	G	Y, BF	S	R	T
MERSCHMAN HARRIS	V	3	W	-	G	Y, BF, BR	S	R	T
MERSCHMAN HOUSTON	V	4	W	-	G, TW	BR, Y	S	R	T
MERSCHMAN JEFF. IV	V	3	P, W	-	G, TN	IBL	S	R	T
MERSCHMAN KENNEDY	V	3	P	BR	G	IBL	S	R	T
MERSCHMAN KENNEDY II	V	3	W	-	G	IBL, BF	S	R	T
MERSCHMAN MEMPHIS	V	4	P	-	TW	BR	S	R	T
MERSCHMAN MONROE	V	3	W	BR	TN, G	BR, Y, BF	S	R	T
MERSCHMAN TRUMAN II	V	3	W	-	TN	BR	S	R	T
MERSCHMAN WILLIAMSBURG	V	4	W	-	TW	BR	S	R	T
MFA PV42	V	4	P	-	BR	BR	S	T	T
NAPB EX 31052	V	3	P	-	TN	BL	-	-	T
NECO 950	V	3	P	-	BR	BR	S	T	T
NECO 1000	V	3	P	BR	BR	G	S	T	T
NECO 1350	V	4	W	G	G	BR	S	T	T
N-K S30-31	V	3	W	TN	G	Y	S	T	T
N-K S39-93	V	3	W	TN	G	BF	S	T	T
N-K S39-99	V	3	W	P	G	G	S	T	T
N-K S42-30	V	4	P	-	TW	BL	S	T	T
N-K S42-40	V	4	P	-	G	BL	S	T	T
OHLDE 3228	V	3	W	-	BR	BR	S	R	T
OHLDE 3238	V	3	W	-	TN	BR	S	R	T
OHLDE 3288	V	3	P	-	BR	G	S	T	T
OHLDE 3380	V	3	P	BR	BR	BL	S	T	T
OHLDE 4331	V	4	P	-	BR	BR	S	T	T
OHLDE 4344	V	4	P	-	BL	BR	S	T	T
OHLDE 4386	V	4	P	TN	BF	TN	S	T	T
PIONEER 3981	V	3	W	TN	TW	BL	S	T	T
PIONEER 5482	V	5	W	BR	TW	BL	S	T	T
PIONEER 9441	V	4	W	TN	TW	BL	S	T	T
PIONEER 9471	V	4	W	TN	TW	BL	S	T	T
PIONEER 9531	V	5	P	-	TW	BL	S	T	T
PIONEER 9541	V	5	P	-	G	BF	S	T	T
PIONEER 9561	V	5	W	TN	TW	BL	S	T	T
PIONEER 9571	V	5	W	BR	TW	BL	S	T	T
PIONEER 9591	V	5	W	-	G	BF	S	T	T
PRIZE 818	V	4	-	-	-	-	-	-	-
PRIZE 828	V	4	-	-	-	-	-	-	-
PRIZE 3400	V	3	-	-	-	-	-	-	-
PRIZE 3500	V	3	-	-	-	-	-	-	-
PRIZE 4900	V	4	-	-	-	-	-	-	-
RANDELL CYCLONE	V	3	P	TN	TW	BL	-	T	-
RANDELL FREMONT	-	4	-	-	-	-	-	-	-
RANDELL FREMONT II	-	4	-	-	-	-	-	-	-
RANDELL HAWK	V	3	-	-	-	-	-	R	-
RANDELL MAHASKA	V	2	P	TN	TW	BL	-	R	-
RAY-CARROLL CALDWELL	V	4	P	-	BR	BR	-	T	-
RAY-CARROLL CARROLL	V	3	P	BR	TW	BR	-	T	-
RAY-CARROLL CHARITON	V	4	P	TN	G	BF	-	T	-
RAY-CARROLL CHARITON II	V	3	P	-	BR	G	-	T	-
RAY-CARROLL LAFAYETTE	V	4	P	-	TW	BR	-	T	-
RAY-CARROLL RAY	V	4	P	TN	TW	BR	-	T	-
RAY-CARROLL RAY 4	V	5	P	-	G	IBL	-	R	-
REEDS 222	B	2	P	BR	G	Y	S	T	-
REEDS 320	B	2	P	BR	BR	BL	S	T	-
REEDS 330	V	3	P	TN	TW	BL	S	T	-
REEDS 333	B	3	P	BR	G	BL	S	T	-
REEDS 390	V	3	W	-	BR	TW	S	T	-
REEDS 440	V	4	P	TN	TN	BL	S	T	-
REEDS 444	B	4	P	TN	G	BF	S	T	-
REEDS 460	V	5	W	-	G	BF	S	T	-
RHS 463	V	3	P	-	G	BF	S	R	T

TABLE 29. CONTINUED.

DESIGNATION	VARIETY OR BLEND	MATURITY GROUP	COLOR				CYST NEMATODE	PHYTO- PHTHORA ROOT ROT	SENCOB INJURY
			FLOWER	POD	PUBESCENCE	HILUM			
RING A. RA 280	V	2	W	-	G	BF	S	R	T
RING A. RA 303	V	3	W	-	G	BR	S	S	T
RING A. RA 404	V	4	W	-	G	BR	S	S	T
RING A. RA 405	V	4	W	-	G	BR	S	S	T
RING A. RA 451	V	4	W	-	G	BR	S	S	T
RING A. RA 452	V	4	W	-	G	BR	S	S	T
RING A. RA 480	V	4	W	-	G	BR	S	S	T
RING A. RA 604	V	6	W	TN	G	BL	R	R	T
RING A. RA 606	V	6	W	-	G	BF	R	R	T
RIVERSIDE 202R	B	3	M	BR	TW	BL	-	R	-
RIVERSIDE 2019	B	3	M	BR	TW	BL	-	R	-
RIVERSIDE 2024	V	4	M	BR	G	BL	-	R	-
RIVERSIDE 3033	V	3	P	BR	G	Y	-	S	-
RIVERSIDE 3505	V	3	P	-	TW	TN	-	-	-
RIVERSIDE 3605	V	3	P, W	-	TW	BR	-	-	-
RS 3330	V	3	W	BR	TN	BL	-	T	-
RS 3490	V	3	W	TN	G	Y	-	T	-
RS 3590	V	3	W, W	BR	G	BF, Y	-	T	-
RS 3530	V	3	W, W	TN	G	Y	-	T	-
S84112	V	6	-	-	-	-	-	-	-
S84116	V	6	-	-	-	-	-	-	-
S-BRAND S-48C	B	2	P	-	G	Y	-	-	-
S-BRAND S-49B	V	3	P	-	G	Y	-	-	-
S-BRAND S-52A	V	3	W, P	BR	G, TN	BL, Y	-	S	-
S-BRAND S-56A	V	3	W	BR	G	BL	-	T	-
S-BRAND S-58A	V	3	W	BR	G	Y	-	T	-
S-BRAND S-60H	V	3	P	-	G	Y	-	T	-
S-BRAND S-65	V	3	W	BR	G	Y	-	T	-
SHISSLER GR8 367	V	3	P	-	G	IBL	S	R	T
SHISSLER GR8 388	V	3	P	-	G	IBL	S	R	T
SHISSLER GR8 420	V	4	P	BR	BR	G	S	R	T
SHISSLER EXP 8445	V	4	P	-	TN	BR	S	T	T
SILER SS 320	V	3	P	-	TN	BR	-	T	-
SILER SS 325	V	3	P	-	TN	BR	-	R	-
SRF 250	V	2	W	BR	G	Y	S	S	T
SRF 307P	V	3	W	BR	TW	BR	S	S	T
SRF 350P	V	3	W	BR	TW	BR	S	S	T
SRF 390	V	3	W	-	TW	BL	S	S	T
SRF 425	V	4	W	-	TW	BR	S	S	T
SRF 450P	V	4	W	BR	TW	BL	S	S	T
SRF HOBSON	V	4	W	BR	TW	BL	S	S	T
SRF MATSOY	V	3	P	BR	G	BF	S	T	S
SHILOH	V	5	W	TN	TW	BL	R	R	-
STEVENS	V	4	P	TN	G	BF	-	R	-
STUTTS	V	5	W	TN	G	BF	-	R	-
STINE 3760	V	3	P	-	G	IBL	S	T	-
STINE 3770	V	3	P	-	G	IBL	S	T	-
STINE 3790	V	3	P, W	-	TW	G	S	T	-
STINE 4190	V	4	P	TN	G	BR	S	S	-
STINE 4320	V	4	W	BR	TW	BF	S	S	-
STINE 4500	V	4	W	BR	G	Y	S	T	-
WILSONBLEND 3230	V	3	W	-	TW	BL	S	T	T
WILSONBLEND 3560	V	3	P	BR	TW	TN	S	T	T
WILSTAR 550	V	5	P	TN	TW	BF	R	R	-
YIELD KING 503	V	5	P	TN	TW	BL	S	T	T
YIELD KING 563	V	5	P	TN	TW	BL	S	T	T
YIELD KING 593	V	5	P	TN	TW	BL	S	T	T
YIELD KING 613	V	6	P	TN	TW	BL	R	T	T
PUBLIC VARIETIES									
CENTURY	V	2	P	BR	TW	BL	S	R	-
CUMBERLAND	V	3	P	BR	G	IBL	S	R	-
FAYETTE	V	3	P	TN	TW	BL	S	R	-
HARPER	V	3	P	TN	BR	BL	S	S	-
HOBBIT	V	3	P	TN	BR	BL	S	S	-
PELLA	V	3	P	TN	TW	BL	S	S	-
PELLA 85	V	3	P	TN	TW	BL	S	S	-
SHERMAN	V	3	P	TN	TW	BL	S	S	-
SPRITE	V	3	P	-	TW	BL	S	S	-
WILLIAMS	V	3	W	TN	TW	BL	S	S	-
WILLIAMS 82	V	3	W	TN	TW	BL	S	S	-
ZANE	V	3	W	TN	TW	BL	S	S	-

TABLE 29. CONTINUED.

DESIGNATION	VARIETY OR BLEND	MATURITY GROUP	COLOR				CYST NEMATODE	PHYTO- PHTHORA ROOT ROT	SENGOR INJURY
			FLOWER	POD	PUBESCENCE	HILUM			
CLARK 63	V	4	P	BR	TW	BL	S	R	-
CRAWFORD	V	4	P	BR	TW	BL	S	R	-
DESOTO	V	4	P	BR	TW	BL	S	R	-
DOUGLAS	V	4	W	BR	TW	BL	S	R	-
LAWRENCE	V	4	P	TN	TW	BL	S	R	-
PERSHING	V	4	W	TN	G	BF	S	S	-
PIXIE	V	4	P	TN	TW	BL	S	S	-
RIPLEY	V	4	P	TN	G	BF	S	S	-
UNION	V	4	W	TN	TN	BL	S	R	-
BAY	V	5	P	TW	G	BF	S	T	-
BEDFORD	V	5	W	TN	BR	BL	S	T	-
ESSEX	V	5	W	TN	G	BF	S	T	-
FORREST	V	5	W	TN	TW	BR	S	T	-
MACK	V	5	W	TN	G	-	R	T	-
NATHAN	V	5	W	TN	BR	BL	R	S	-
BRADLEY	V	6	-	-	-	-	-	-	-
DAVIS	V	6	W	TN	G	-	S	T	-
LEE 74	V	6	P	TN	TW	BL	S	R	-
TRACY M	V	6	W	TN	TW	BL	S	R	-
<u>PUBLIC BREEDING LINES</u>									
C-UNION BC	V	4	W	TN	TN	BL	S	R	-
MD-79-5043	V	4	-	-	-	-	-	-	-
S79-4259	V	4	W	-	TW	-	R	-	-
S79-4296	V	4	W	-	TW	BL	R	-	-
S79-4296-A	V	4	W	-	TW	-	-	-	-

* DATA WERE PROVIDED BY COMPANIES ON ENTRY FORMS.
 - DATA NOT AVAILABLE.

COLOR CODES

BF - BUFF	M - MIXED
BL - BLACK	P - PURPLE
BR - BROWN	TN - TAN
G - GRAY	TW - TAWNY
GR - GREEN	Y - YELLOW
IBL - IMPERFECT BLACK	

DISEASE CODES

R - RESISTANT
T - TOLERANT
S - SUSCEPTIBLE

HERBICIDE CODES

T - TOLERANT
S - SUSCEPTIBLE

TABLE 30. NAMES OF SOYBEAN ENTRIES EVALUATED IN 1985 AND THEIR SEED SOURCES.

BRAND	VARIETY/BLEND	SEED SOURCE
AGRIPRO	AP 350, AP 420, AP 4321, HP 3700	AGRIPRO SEEDS, RT. 2, HWY. 30 EAST, AMES, IA 50010
AMERICANA	MARINER, REBEL, VOYAGER, JACKSON, REBEL II, DIXIE, B567	AMERICANA SEEDS, INC., BOX 275, BOWEN, IL 62316
ASGROW	A3427, A3803, A3966, A4271, A4997, A5149, A5474, A5980, A6242, A6520	ASGROW SEED COMPANY, 7000 PORTAGE ROAD, KALAMAZOO, MI 49001
BIN-BUSTER	3802, 4250	HIDY SEED COMPANY, RT. 2, BOX 36, STEWARTSVILLE, MO 64490
BRAD	34, 35, 39, 41	BRADLEY SEED SERVICE, INC., RT. 1, LEONARD, MO 63451
BRAYTON	S84112, S84116	MIKE BRAYTON SEEDS, INC., BOX 308, AMES, IA 50010
COKER	156, 355, 393, 425, 485, 575,	ROHM AND HAAS SEEDS, INC., 406 WOODS, WEST MEMPHIS, AR 72201
COKER	82-829, 82-832, 82-836, 83-319	C.R. SEEDS, BOX 1867, HARTSVILLE, SC 29550
COKER	C082M-115, C082M-128, C082M-224, C082M-824, C080R-49, C081-360	C.R. SEEDS, HWY. 158 E., BOX 729, BAY, AR 72411
CRESTLAND	3301A, 3335	FARMER'S CO-OP COMPANY, 300 OSAGE, CRESTON, IA 50801
DEKALB-PFIZER	CX380, CX415, CX482	DEKALB-PFIZER GENETICS, 3100 SYCAMORE ROAD, DEKALB, IL 60115
DELANGE BRAND	DS49, DS51	DELANGE SEED HOUSE, INC., BOX 7, GIRARD, KS 66743
DELTAPINE	105, 566, X675, X2251, X806, X1091, X777	DELTA & PINE LAND COMPANY, BOX 157, SCOTT, MS 38772
DESOY	888, 975	DALE EWING (FARM SEED), BOX 516, JEWELL, IA 50130
DIAMOND BRAND	D315, D330, D351, D320B, D355B	DIAMOND BRAND SEEDS, 626 N. COURT, CARROLL, IA 51401
DOUBLE SS	3582, 4082, 4185	SHELTON SEEDS, RT. 2, BOX 237, CENTRALIA, MO 65240
ESCO	B2J	RIVERSIDE/TERRA, BOX 171376, MEMPHIS, TN 38117
FFR	331, 441, 561	FFR COOPERATIVE, 4112 E. ST. RD. 225, WEST LAFAYETTE, IN 47906
FONTANELLE	5708, 6161, 6464, 6540	FONTANELLE HYBRIDS, RT. 1, NICKERSON, NE 68044
FORTUNE	666E, 747E, 727	MID-STATE WAREHOUSE & STORAGE, INC., BOX 126, MARSHALL, MO 65340
FS HISOY BRAND	HS265, 322, HS 348, 360, 450, 496	GROWMARK, INC., 1701 TOWANDA AVE., BLOONINGTON, IL 61701
FUNK	G3396, G3399, IN0355	FUNK SEEDS INTERNATIONAL, 1300 WEST WASHINGTON, BLOONINGTON, IL 61701
GOLDEN ACRES	GA 8450-A	TAYLOR-EVANS SEED CO., BOX 68, TULIA, TX 79088
HARTZ	5171, 5252, 5370, 6130, H80-18048, H80-8104	JACOB HARTZ SEED COMPANY, INC., BOX 946, STUTTGART, AR 72160
HILL	HS 3000, HS 4150, EX 31, EX 32, EX 34, EX 42, EX 43	HILL SEED COMPANY, BOX 1, JEWELL, IA 50130
HOFLER	GEM, TOPAZ, CORAL, QUARTZ, CRYSTAL	HOFLER SEED COMPANY, INC., 17 3RD ST. S.W., NORA SPRINGS, IA 50458
HYPERFORMER BRAND	STEVENS, STUTTS, SHILOH, WILSTAR 550, HB-EXF 141-55-5	HYPERFORMER SEED COMPANY, 5100 POPLAR, SUITE 3200, MEMPHIS, TN 38137
JACQUES	EXP 84123, EXP 84129, EXP 83140, EXP 85107	JACQUES SEED COMPANY, BOX 370, LINCOLN, IL 62656
JMS	2382, 3482, 4383, 4982, 5484	J. M. SCHULTZ SEED COMPANY, 105 N. PINE STREET, DIETERICH, IL 62424
KING-CITY	KC-853, KC-954	KING CITY SEED & STORAGE, INC., 169 NORTH, KING CITY, MO 64463

TABLE 30. CONTINUED

BRAND	VARIETY/BLEND	SEED SOURCE
KELLER	KNOX, PATTON, K-924, K-930, K-931	GEORGE KELLER & SONS COMPANY, 909 MAINE STREET, BOX 490, QUINCY, IL 62306
KRUGER	K4121, KB375, KB3133	KRUGER SEED COMPANY, BOX A, DIKE, IA 50624
KSC	378, 383, K-45, 400	KITCHEN SEED COMPANY, INC., BOX 1147, HANNIBAL, MO 63401
LAND O' LAKES	L4106	LAND O' LAKES, INC., 2827 8TH AVE. SOUTH, FORT DODGE, IA 50501
LEWIS	26, 34, 48	LEWIS HYBRIDS, INC., BOX 38, W. MAPLE ST., URSA, IL 62376
MASCO	8341, 8493, 8400, 8423, BARON, ECLIPSE, DYNAMO II	MC ALLISTER SEED COMPANY, INC., BOX 28, MT. PLEASANT, IA 52641
MCB	MERIT	MCB SEEDS, RT. 3, MONROE CITY, MO 63456
MC CUBBIN	ALBANY II, TAYLOR, CARSON, EX 60614, EX 60518, TROY, EX 80610	MC CUBBIN SEED FARM, INC., GREEN MOUNTAIN, IA 50637
MERSCHMAN	ATLANTA, DALLAS, MONROE, JEFFERSON IV, EISENHOWER, WILLIAMSBURG, KENNEDY II, KENNEDY, HOUSTON, HARRIS, TRUMAN II, DENVER II, MEMPHIS, BOSTON	MERSCHMAN INC., 208 SECOND ST., WEST POINT, IA 52656
MFA	PV42	ROHM & HAAS SEEDS, INC., BOX 507, LEBANON, IN 46052
NAPB	EX31052	AGRIPRO SEEDS, RT. 2, HWY. 30 EAST, AMES, IA 50010
NECO	950, 1000, 1350	NECO SEED FARMS, INC., RT. 2, BOX 296D, GARDEN CITY, MO 64747
NORTHRUP KING	S30-31, S39-93, S39-99, S42-30, S42-40	NORTHRUP KING COMPANY, 7 SUNSET DR., GREENCASTLE, IN 46135
OHLDE	3228, 3238, 3288, 3380, 4331, 4344, 4386	OHLDE SEED FARMS, BOX 63, PALMER, KS 66962
PAYNE	PS 4984	PAYNE SEED COMPANY, RT. 3, BOX 153, CONCORDIA, MO 64020
PIONEER	3981, 5482, 9441, 9471	PIONEER HI-BRED INT., INC., 7000 PIONEER PARKWAY, JOHNSTON, IA 50131
PIONEER VARIETY	5482, 9531, 9541, 9561, 9571, 9591	PIONEER HI-BRED INT., INC., EASTERN DIVISION, 1000 WEST JEFFERSON ST., TIPTON, IN 46072
PRIZE	818, 828, 3400, 3500, 4900	HARTZLER'S SEED COMPANY, RT. 1, BOX 458, HARRISONVILLE, MO 64701
RANDELL	MAHASKA, CYCLONE II, HAWK, FREMONT, FREMONT II	RANDELL SEED COMPANY, 714 1ST AVE. E., OSKALOOSA, IA 52577
RAY CARROLL	RAY, CARROLL, LAFAYETTE, RAY 4, CALDWELL, CHARITON, CHARITON II	RAY CARROLL COUNTY GRAIN GROWERS INC., E. SANTA FE BOX 267, NORBORNE, MO 64668
REEDS	222, 320, 330, 333, 390, 440, 444, 460	REEDS SEEDS, INC., 1035 INDUSTRIAL RD., BOX 130, CHILLICOTHE, MO 64601
RHS	463	ROHM & HAAS SEEDS, INC., BOX 507, LEBANON, IN 46052
RING AROUND	RA280, RA303, RA404, RA405, RA451, RA452, RA480, RA604,	ROHM & HAAS SEEDS, INC., BOX 507, LEBANON, IN 46052
RIVERSIDE	202R, 2019, 2024, 3033, 3505, 3605	LYNNVILLE SEED COMPANY, LYNNVILLE, IA 50153
RS	3490, 3330, 3530, 3590	RESEARCH SEEDS, INC., BOX 1393, ST. JOSEPH, MO 64502
SS	320, 325	SILER & SON SALES, INC., RT. 2, BOX 200, WESTON, MO 64098
S BRAND	S-52A, S-56A, S-53A, S-58A, S-58A, S-65, S-60H, S-48C, S-49B	SCHECHINGER SEED COMPANY, RT. 1, HARLAN, IA 51537
SHISSLER	GR8 366, GR8 367, GR8 388	SHISSLER SEED COMPANY, RT. 3, ELMWOOD, IL 61529

TABLE 30. CONTINUED

BRAND	VARIETY/BLEND	SEED SOURCE
SRF	307P, 350P, 425, 450P, MATSÖY, HOBSON, 250, 390,	SOYBEAN RESEARCH FOUNDATION, INC., 115 N. PERRY, MASON CITY, IL 62664
STINE	3760, 3770, 3790, 4500, 4190, 4320, 4450, 4530'	STINE SEED FARM, INC., RT. 3, BOX 204, ADEL, IA 50003
WILSONBLEND	3230, 3560	WILSON HYBRIDS, INC., BOX 391, HARLAN, IA 51537
YIELD KING	503, 563, 593, 613	RIVERSIDE/TERRA, BOX 171376, MEMPHIS, TN 38117
	S79-4259, S79-4259A, S79-4296	DR. SAM ANAND, UMC DELTA CENTER, BOX 160, PORTAGEVILLE, MO 63873
	BAY, BEDFORD, BRADLEY, CENTURY, CLARK 63, DAVIS, CRAWFORD, CUMBERLAND, DESOTO, DOUGLAS, ESSEX, FAYETTE, FORREST, HARPER, HOBBIT, LAWRENCE, LEE 74, MACK, NATHAN, PELLA, RIPLEY PERSHING, PIXIE, SPARKS SPRITE, TRACY M, UNION, WILLIAMS, WILLIAMS 82, ZANE SHERMAN, PELLA 85, C-UNION BC, MD-79-5047	FOUNDATION SEED, 135 MUMFORD, UMC, COLUMBIA, MO 65211