

# Soybean

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# MISSOURI CROP PERFORMANCE

1987

## SOYBEAN

This report on Research Project 363 is a contribution of the Department of Agronomy, University of Missouri Agricultural Experiment Station. 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 311 today.

The large number of varieties available makes selection of a superior variety difficult. To select intelligently, producers need a reliable, unbiased, up-to-date source of information that will permit valid comparisons among available varieties. 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 sometimes occurs because the soil isn't uniform, but many other conditions may contribute to it. Because variability exists in all field experimentation, statistics are used as a tool to assist in making decisions. The statistical tool used for these trials 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 not 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, readers should consider results from more than one location or year. In this publication, the authors have tried 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 that did not yield significantly less than the highest yielding variety in the same maturity group. They are denoted in the tables by an asterisk (\*) next to their yields. Thus, by going down a column, readers can readily identify the highest yielding varieties. By going across the page, readers can evaluate the relative performance of a variety during several years or at several locations. From the standpoint of yield, the most desirable varieties will be those which rank 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 that 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 also be considered when selecting a variety.

The Missouri Agricultural Experiment Station does not recommend specific varieties. Farmers growing a new variety for the first time should consider the information contained in this report and then grow a small acreage to determine adaptability. This should be the practice for all new varieties regardless of the origin.

### 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 4.

Entries. Two types of tests were conducted. The 'standard' tests evaluated experimental lines and released varieties, brands, or blends currently marketed in Missouri. The 'nematode' test evaluated nematode resistant experimental lines and released varieties, brands, or blends currently marketed in Missouri. All producers of soybean seed were eligible to submit entries for evaluation in 1987. 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 \$90 per location was charged for each entry.

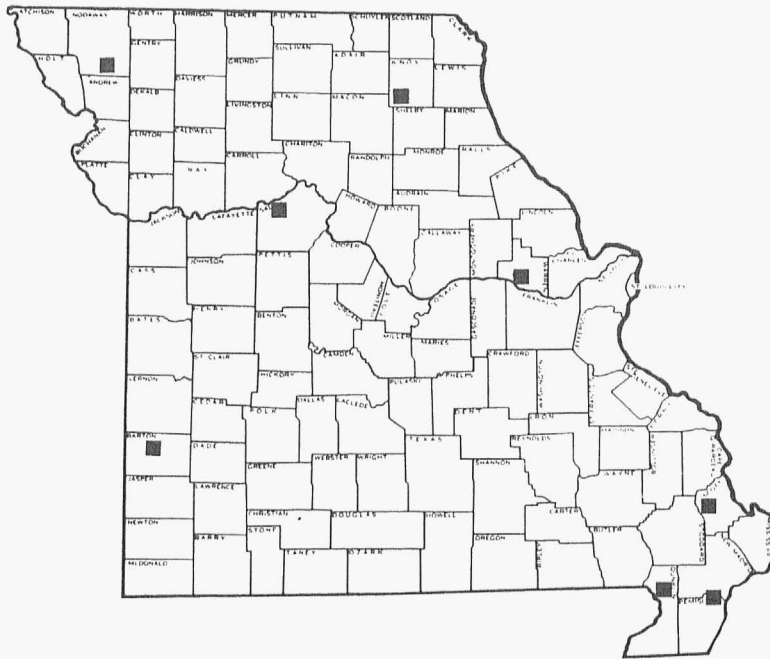


FIGURE 1. TEST SITE LOCATIONS.

Field Plot Design. A lattice design or a randomized complete block design with three or four replications was used. Individual plots were four rows wide and 20 feet long. The center two rows of each plot 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 and cultivation were used for weed control, and plots were additionally hand weeded as necessary. All plots were end trimmed to 15 feet prior to harvest. Management details varied from location to location and are summarized below.

TABLE 1. CULTURAL PRACTICES OF THE 1987 SOYBEAN EVALUATION TRIALS.

LOCATION (COUNTY)	N-P205-K20	-----HERBICIDE-----		ROW SPACING (IN)	PLANTS/A (SEEDS/FT)	DATE OF PLANTING	DATE OF HARVEST
		PRE-PLANT	POST				
BARNARD (NODAWAY)	0- 0- 0	LASSO + SCEPTER	BASAGRAN + POAST	30	156,800 9 SD/FT	5-08-87	10-05-87
NOVELTY (KNOX)	0- 50-100	PROWL+ LEXONE	NONE	30	156,800 9 SD/FT	5-06-87	10-06-87
MARSHALL (SALINE)	0- 0- 0	DUAL + SCEPTER	CLASSIC + BLAZER + BASAGRAN	30	156,800 9 SD/FT	5-07-87	10-01-87
MARTHASVILLE (WARREN)	0- 0- 0	LASSO + LOROX + SENCOR	CLASSIC	30	156,800 9 SD/FT	5-08-87	9-28-87
LAMAR (BARTON)	100- 50-100	DUAL + SCEPTER	CLASSIC	30	156,800 9 SD/FT	4-30-87	10-08-87
ORAN (SCOTT)	0- 60- 90	TREFLAN + SCEPTER	NONE	30	156,800 9 SD/FT	4-30-87	9-24-87 10-21-87
PORTAGEVILLE (PEMISCOT)	0- 0- 0	TREFLAN + SCEPTER	BASAGRAN	30	156,800 9 SD/FT	4-30-87	9-24-87 10-21-87
CLARKTON (DUNKLIN)	0- 0- 0	TREFLAN + SCEPTER	BASAGRAN	38	123,700 9 SD/FT	4-28-87	9-24-87 10-21-87

Data Recorded. Maturity group classification was indicated by the entry sponsor. Maturity data were recorded when approximately 75 percent 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 percent. An electronic moisture tester was used for all moisture readings.

#### SUMMARY OF RESULTS

Soybean varieties and blends were evaluated in seven standard studies and one nematode study in 1987 (Figure 1, Page 4). An overview of management is given in Table 1, Page 4.

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 percent 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.

Average yields and ranges observed at each location are summarized below in Table 2. The ranges shown give the values for the lowest and highest yielding varieties in each test. They provide 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 that combine high yield potential with other agronomic characteristics appropriate to specific farming situations.

TABLE 2. SOYBEAN YIELD SUMMARY

LOCATION	NUMBER OF ENTRIES	YIELD (BUSHEL/ACRE)		DATA TABLE
		RANGE	AVERAGE	
STANDARD TESTS				
BARNARD	188	28-45	37	3
NOVELTY	188	22-49	34	4
MARSHALL	142	23-56	45	6
MARTHASVILLE	142	34-64	51	7
LAMAR	67	14-42	27	9
ORAN	82	19-45	33	10
PORTAGEVILLE	82	8-39	23	11
NEMATODE TEST				
CLARKTON	39	2-28	9	13



TABLE 3. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR BARNARD ON THE MEYER BROTHERS FARM DURING 1986-87 AND NEAR FAIRFAX ON THE SEYMOUR BROTHERS FARM DURING 1985.  
 PLANTED: 8 MAY 1987. HARVESTED: 5 OCTOBER 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1987			LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)		1987	1986	1985	1987	1986	1985
MATURITY GROUP 2									
COMMERCIAL VARIETIES									
McCUBBIN TAYLOR	9- 5	40.0	3.3	3.6	2.4	45.1**	41.8	48.9*	
LYNKS LX 8280	9- 4	41.3	3.5	--	--	43.5*	--	--	
KELLER KNOX	9- 7	42.6	3.4	3.6	1.7	43.1*	42.3	49.9*	
REEDS 222	9- 4	41.1	3.9	3.6	2.9	42.3*	40.6	50.3*	
McCURDY 3033	9- 3	40.9	3.9	--	--	41.6*	--	--	
BRAD 29	9- 4	46.2	2.6	3.0	--	40.5*	44.3*	--	
FONTANELLE 5708	9-10	46.4	3.2	4.0	2.6	40.2*	41.4	52.6*	
HIDY BINBUSTER 2260	8-30	40.1	3.8	--	--	39.6*	--	--	
MERSCHMAN CHEYENNE III	9-10	45.2	3.4	2.6	--	39.4	45.8*	--	
TRI VALLEY CUTLASS 88	9- 7	45.0	3.2	--	--	39.4	--	--	
RANDELL MAHASKA	9- 7	41.0	2.6	3.0	1.0	38.7	43.7*	51.5*	
K. LEWIS/KING CITY ASPEN	9- 5	43.1	3.4	--	--	38.6	--	--	
PIONEER 9292	9- 5	36.5	1.7	2.6	--	38.4	41.0	--	
AMERICANA MARINER	9-10	40.0	3.0	3.0	2.6	38.4	49.0**	47.5*	
DIAMOND BRAND D280B	9- 6	41.6	3.2	3.3	--	38.1	46.4*	--	
S-BRAND S46F	8-29	40.4	2.9	--	--	38.1	--	--	
JMS 2987	9- 7	51.7	3.1	--	--	37.7	--	--	
DIAMOND BRAND D245	9- 9	50.8	3.4	4.0	--	37.6	45.5*	--	
HACK	8-28	40.0	2.4	--	--	37.2	--	--	
HILL SEED HS 2850	9-21	48.2	2.8	--	--	36.7	--	--	
HOFLER GEM II	8-29	39.3	3.3	--	--	36.4	--	--	
LYNKS LX 8307	9-10	48.8	3.1	--	--	36.4	--	--	
LEWIS 297	9- 6	42.2	3.6	--	--	35.3	--	--	
COKER 6592	9-11	47.8	3.0	--	--	34.5	--	--	
HILL SEED HS 3000	9-20	48.7	2.0	--	2.1	33.1	--	52.7**	
FONTANELLE 6161	9-14	43.7	3.1	2.6	1.5	33.1	43.0*	51.0*	
HOFLER GEM	8-31	40.3	4.2	4.3	3.7	32.7	40.2	50.8*	
FONTANELLE 6464	9-19	46.8	2.9	3.6	2.3	31.2	47.0*	45.9	
EXPERIMENTAL VARIETIES									
SOI EXP 22697	9- 1	42.5	3.6	--	--	36.5	--	--	
SRF EXP 23707	9- 5	46.1	3.1	--	--	27.9	--	--	
MATURITY GROUP AVERAGE	9- 7	43.6	3.2	3.2	2.3	37.7	42.1	48.7	
MATURITY GROUP L.S.D. AT .05	5	5.0	0.7	0.8	0.8	5.5	6.4	5.4	
MATURITY GROUP 3									
COMMERCIAL VARIETIES									
SEEDTEC ST 1355	9- 6	43.7	2.3	--	--	44.4**	--	--	
WILSON BLEND 3182	9- 8	45.7	2.7	2.6	--	43.1*	53.9*	--	
S-BRAND S64B	9-14	43.7	2.2	--	--	42.7*	--	--	
NECO 850	9- 6	43.7	2.5	--	--	42.7*	--	--	
NECO 1100	9-13	48.7	2.6	--	--	42.4*	--	--	
PELLA 86	9- 9	40.7	1.7	2.3	1.3	42.0*	46.4	47.8*	
ASGROW A3935	9-21	45.0	2.0	--	--	42.0*	--	--	
ASGROW A3733	9-16	37.7	1.0	1.6	--	41.6*	52.1*	--	
PRIZE 622	9-21	45.3	2.5	2.3	--	41.3*	52.6*	--	
MASCO TANGO	9-14	46.0	2.7	--	--	40.8*	--	--	
MASCO MARQUIS	9-13	41.3	2.1	--	--	40.7*	--	--	
MERSCHMAN MONROE II	9-15	44.7	2.3	--	--	40.5*	--	--	
ASGROW A3427	9-14	43.3	2.3	3.0	1.6	40.4*	47.7	48.3*	
S-BRAND S49D	9- 9	46.0	3.3	--	--	40.4*	--	--	
CFS 320	9-12	42.3	2.7	4.0	--	40.4*	50.8*	--	
TERRA TRIUMPH	9-15	44.7	3.1	3.3	--	40.4*	48.2	--	
S-BRAND S67	9-14	45.3	2.0	2.3	--	40.2*	49.7*	--	
McCUBBIN WINDSOR	9-14	46.7	3.0	--	--	40.0*	--	--	
MERSCHMAN JEFFERSON IV	9-12	44.0	3.1	3.3	1.6	39.8*	44.9	45.5	
MERSCHMAN WASHINGTON VI	9-15	45.3	2.3	2.3	--	39.4*	50.7*	--	
LEWIS 300	9- 9	43.0	2.9	3.0	--	39.4*	47.5	--	
LEWIS 367	9-14	48.3	2.4	--	--	39.4*	--	--	
STINE 3790	9-15	47.3	2.6	3.0	--	39.3*	55.5**	--	
HOFLER CRYSTAL	9- 9	43.7	2.6	4.0	1.6	39.1*	46.0	51.1*	
JMS 3788	9-15	45.7	2.3	--	--	39.1*	--	--	
AMERICANA ATLANTIS	9-12	44.7	2.6	3.3	--	39.1*	47.1	--	
HOFLER CORAL	9-15	48.7	3.2	4.0	2.6	39.0*	44.3	51.2*	
HARPER	9-13	41.3	2.7	2.0	1.0	39.0*	43.8	48.8*	
ASGROW A3803	9-17	41.3	1.6	2.3	1.3	39.0*	48.9	48.8*	
SHERMAN	9-14	40.3	3.1	4.0	1.0	38.9	45.7	49.9*	
PRIZE 623	9-18	44.3	1.9	2.6	--	38.9	45.5	--	
McCURDY 3605	9-13	46.7	3.0	--	--	38.8	--	--	
MERSCHMAN JEFFERSON V	9-14	45.0	2.3	3.0	--	38.7	47.8	--	
RANDELL 3030	9-12	45.7	2.4	4.0	--	38.6	46.0	--	
S-BRAND S49C	9- 8	48.7	3.3	--	--	38.5	--	--	
MERSCHMAN EISENHOWER	9-25	48.0	3.0	3.3	2.0	38.4	42.4	42.6	
NORTHROP KING S 33-45	9-15	46.3	3.1	--	--	38.4	--	--	
MERSCHMAN JEFFERSON VI	9-15	46.3	2.7	--	--	38.2	--	--	

TABLE 3. CONTINUED.

BRAND-VARIETY	1987		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985
RING AROUND RA303	9- 8	40.0	3.2	3.6	2.3	38.2	46.0	44.9
MERSCHMAN HOOVER	9- 8	44.3	2.8	--	--	38.2	--	--
LYNKS LX 8393	9-14	45.3	3.5	4.0	--	38.1	44.3	--
DEKALB-PFIZER CX366	9-12	46.3	2.7	2.6	--	38.0	49.4	--
DIAMOND BRAND D315	9-12	45.0	2.4	3.6	1.6	37.7	48.8	46.6
JACQUES J-361	9-13	45.0	2.3	--	--	37.7	--	--
SILER SS-325	9-14	47.3	3.0	3.6	1.7	37.6	46.5	46.8
S-BRAND S62	9-14	44.7	2.6	2.0	--	37.6	44.4	--
ZANE	9-10	41.7	2.7	3.3	1.6	37.5	47.1	46.9
STINE 3810	9- 5	42.7	3.0	--	--	37.5	--	--
HILL SEED HS 3300	9- 9	43.3	2.9	--	--	37.4	--	--
K. LEWIS/KING CITY CYPRESS	9-14	47.7	2.3	--	--	37.2	--	--
NORTHROP KING S 39-99	9-13	45.0	2.5	2.6	1.0	37.1	50.8*	47.7*
MERSCHMAN KENNEDY II	9-14	43.3	2.2	2.3	1.3	37.1	51.0*	44.1
HILL SEED HS 4050	9-22	48.7	2.9	--	--	37.0	--	--
TRI VALLEY CHARGER 85	9- 8	46.3	4.0	--	--	37.0	--	--
MERSCHMAN TRUMAN II	9-12	46.3	2.6	3.6	1.3	36.9	47.6	43.7
CHAMBERLAIN	9-15	53.7	3.0	3.6	--	36.8	50.1*	--
HIDY BINBUSTER 3452	9- 8	45.0	3.0	--	--	36.7	--	--
SOI 337	9-10	46.0	3.0	--	--	36.7	--	--
COKER 393	9-18	47.0	2.1	3.3	1.3	36.6	43.4	44.6
CFS 360	9-13	47.0	3.1	--	--	36.6	--	--
AGRIPRO AP3977	9-16	43.0	2.1	--	--	36.5	--	--
WILSON BLEND 3560	9-12	48.7	2.9	3.3	2.3	36.4	48.6	46.8
TERRA ADVANCE	9- 6	46.7	2.9	2.6	--	36.3	46.8	--
RANDELL 3040	9-10	48.3	2.9	3.0	--	36.2	49.9*	--
PIONEER 9361	9-12	43.3	2.3	3.0	--	36.1	47.8	--
McCUBBIN TROY	9-12	42.0	2.6	2.6	1.0	36.1	45.2	48.6*
MASCO 8604	9- 9	44.7	3.1	3.3	--	36.1	48.5	--
PRESTON	9- 5	45.0	3.0	3.3	--	36.0	44.6	--
AMERICANA TAURUS	9-14	49.0	2.6	3.3	--	36.0	49.7	--
NECO 1000	9-13	44.7	3.4	3.3	2.0	36.0	42.9	44.6
McCURDY 375B	9- 8	44.0	3.0	--	--	35.9	--	--
RAY-CARROLL SUMNER	9- 7	46.3	2.9	--	--	35.8	--	--
RANDELL HAWK	9- 9	47.0	2.9	2.6	2.0	35.6	50.1*	42.0
HOBBIT	9-13	20.3	1.1	1.0	1.0	35.5	44.9	47.7*
RAY-CARROLL WAKENDA	9-14	47.7	2.4	--	--	35.4	--	--
DIAMOND BRAND D320B	9-12	42.7	2.2	2.3	1.6	35.3	49.3	42.5
SILER SS-335	9-14	43.7	2.3	3.3	--	35.3	44.5	--
JMS 3186	9- 8	46.3	3.1	3.0	--	34.9	47.2	--
PIONEER 9331	9- 9	40.0	2.7	--	--	34.6	--	--
NECO B-3	9-14	43.0	2.8	--	--	34.5	--	--
FORTUNE 777	9-14	48.0	2.7	--	--	34.5	--	--
REEDS 330	9-10	35.0	1.0	3.0	1.0	34.3	44.7	47.5*
HIDY BINBUSTER 3682	9-13	43.3	2.6	--	--	33.7	--	--
FORTUNE 666	9-15	43.0	2.1	3.0	1.0	33.6	42.2	43.6
REEDS 333	9-12	42.7	3.0	3.0	1.6	33.2	46.1	48.9*
HOFER SUNSTONE	9- 8	45.7	2.5	3.3	--	33.0	42.6	--
SEEDTEC ST 1414	9-19	47.3	2.7	--	--	32.6	--	--
FONTELE 6540	9-23	46.0	3.4	4.0	2.3	32.5	39.7	43.3
SILER SS-305	9- 8	46.0	3.7	--	--	32.2	--	--
MERSCHMAN KENNEDY	9-13	43.0	3.1	2.6	2.0	32.2	43.4	44.9
HILL SEED HS 4150	9-20	46.3	2.3	3.6	2.0	32.1	46.7	38.0
WINCHESTER	9-15	46.0	3.0	3.3	--	31.9	43.9	--
WILLIAMS 82	9-20	47.7	2.4	3.3	2.0	31.8	41.8	41.9
FAYETTE	9-21	50.3	2.8	4.0	1.6	31.1	44.9	41.2
REEDS 320	9-13	45.7	2.7	3.0	1.0	29.4	44.3	46.0
EXPERIMENTAL VARIETIES								
McCUBBIN EX 37998	9-15	45.7	2.3	--	--	41.1*	--	--
DIAMOND BRAND D305	9-14	45.7	2.4	--	--	41.0*	--	--
DIAMOND BRAND DX 87-3301	9- 9	43.3	2.0	--	--	40.7*	--	--
MIDWEST OILSEEDS EX3950	9- 9	45.7	3.0	--	--	40.6*	--	--
AMERICANA B580	9-10	44.0	3.3	--	--	40.5*	--	--
DIAMOND BRAND DX 86-1304	9-12	39.7	2.0	--	--	39.5*	--	--
DIAMOND BRAND DX 86-1305	9-12	43.0	3.0	--	--	39.5*	--	--
GOLDEN HARVEST X391	9-14	45.0	3.1	--	--	39.3*	--	--
JACQUES E8737	9-18	43.0	2.1	--	--	39.3*	--	--
SRF EXP 11017	9-15	38.7	3.0	--	--	38.3	--	--
SRF EXP 15997	9- 8	30.0	2.1	--	--	37.9	--	--
SOI EXP 26327	9- 8	44.3	3.5	--	--	37.7	--	--
DIAMOND BRAND DX 86-1306	9-10	44.0	2.1	--	--	37.3	--	--
TERRA EXP 375	9-14	43.7	2.3	--	--	37.2	--	--
RANDELL EXP 1	9-21	40.7	2.3	--	--	37.1	--	--
TERRA EXP 330	9- 5	44.7	3.1	--	--	36.6	--	--
SOI EXP 23687	9-14	44.3	2.1	--	--	36.5	--	--
DIAMOND BRAND D301	9-13	50.0	2.6	--	--	36.3	--	--
AMERICANA B576	9-22	60.7	3.2	--	--	35.9	--	--
SHOWME LION	9-20	47.7	2.6	--	--	35.3	--	--
COKER CO83L-505	9-18	42.0	2.3	--	--	33.2	--	--
AGRIPRO EX3878	9-13	48.3	2.7	--	--	32.7	--	--
MATURITY GROUP AVERAGE	9-13	44.7	2.6	3.2	1.7	37.5	46.0	45.6
MATURITY GROUP L.S.D. AT .05	5	4.0	0.7	0.8	1.0	5.4	5.6	5.3



TABLE 3. CONTINUED.

BRAND-VARIETY	1987			LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)		1987	1986	1985	1987	1986	1985
MATURITY GROUP 4									
COMMERCIAL VARIETIES									
MERSCHMAN MEMPHIS II	9-22	47.3	2.9	--	--	--	40.2**	--	--
HIDY BINBUSTER 4279	9-24	49.7	2.9	--	--	--	40.0*	--	--
MERSCHMAN DALLAS	9-21	52.3	3.0	4.0	2.3	2.6	38.8*	42.9	44.4
NORTHRUP KING S 42-40	9-20	45.3	2.7	3.0	2.6	2.6	38.6*	51.1*	48.6*
RIPLEY	9-21	32.3	1.0	1.0	1.0	1.0	38.0*	51.0*	48.3*
NORTHRUP KING S 42-30	9-19	43.7	2.3	2.3	1.0	1.0	37.9*	54.9**	46.8*
STINE 4740	9-22	48.7	2.9	3.0	--	--	37.6*	52.6*	--
MERSCHMAN DENVER III	9-27	47.7	3.0	--	--	--	36.3*	--	--
PRIZE 624	9-20	39.7	1.7	--	--	--	36.1*	--	--
MERSCHMAN ATLANTA II	9-23	47.7	3.1	--	--	--	36.0*	--	--
DOUGLAS	9-25	46.7	2.6	2.9	--	--	35.9*	47.7	--
NECO B-4	9-27	55.7	2.9	--	--	--	35.6	--	--
RAY-CARROLL RAY 2	9-24	55.7	3.7	--	--	--	35.5	--	--
DEKALB-PFIZER CX415	9-21	49.0	2.6	2.6	1.3	1.3	35.2	48.1	49.0*
NORTHRUP KING S 44-77	9-20	52.0	3.0	--	--	--	34.5	--	--
NECO 1280	9-24	52.3	3.2	--	--	--	34.3	--	--
HOFLE JASPER	9-24	52.7	3.5	3.9	--	--	33.7	49.3*	--
GOLDEN HARVEST H-1483	9-27	54.3	3.5	--	--	--	33.5	--	--
SHISSLER GR8 442	9-24	51.7	3.1	--	--	--	32.9	--	--
NECO 1350	9-27	56.7	3.3	3.9	2.3	2.3	32.9	43.0	44.0
AGRIPRO AP4321	9-22	43.0	2.1	2.7	1.3	1.3	32.2	42.8	48.5*
McCUBBIN ALBANY II	9-24	46.0	2.9	2.9	2.0	2.0	32.1	42.7	49.4*
HOFLE QUARTZ	9-23	46.0	3.0	2.6	1.6	1.6	32.1	43.3	47.7*
REEDS 440	9-26	46.7	3.5	4.3	1.0	1.0	32.0	37.5	45.1
MERSCHMAN WILLIAMSBURG	9-25	45.7	2.7	2.6	1.3	1.3	31.9	46.2	44.5
RAY-CARROLL RAY	9-20	53.0	3.1	--	2.0	2.0	31.5	--	47.7*
RING AROUND RA404	9-23	50.3	3.1	--	1.0	1.0	31.4	--	43.1
SHISSLER GR8 420	9-23	48.0	3.1	3.7	1.6	1.6	31.2	44.2	45.3
UNION	9-23	55.0	3.3	3.5	1.6	1.6	31.1	43.1	39.3
MFA PV42	9-23	47.0	2.7	--	2.0	2.0	30.7	--	42.2
MERSCHMAN HARRIS	9-22	46.7	2.7	2.2	1.6	1.6	30.1	54.1*	46.4*
SPARKS	9-19	55.0	3.4	--	--	--	30.1	--	--
EXPERIMENTAL VARIETIES									
COKER 81R-59	9-23	44.0	2.3	--	--	--	36.5*	--	--
SHOWME TIGER	9-26	49.3	2.7	--	--	--	35.4	--	--
HOFLE EXP 1987-3	9-24	49.7	3.0	--	--	--	35.0	--	--
KELLER K-934	9-23	53.3	3.6	--	--	--	34.0	--	--
GOLDEN HARVEST X430	9-24	50.3	3.3	--	--	--	34.0	--	--
McCUBBIN EX 47702	9-23	50.0	3.0	--	--	--	32.9	--	--
SRF EXP 24737	9-23	51.0	2.9	--	--	--	32.7	--	--
SOI EXP 22137	9-23	50.0	2.9	--	--	--	32.6	--	--
McCUBBIN EX 80610	9-23	53.3	3.1	--	--	--	31.3	--	--
MATURITY GROUP AVERAGE	9-23	49.1	2.9	3.2	1.7	1.7	34.3	46.0	44.5
MATURITY GROUP L.S.D. AT .05	2	5.6	0.7	0.8	0.8	0.8	4.4	5.7	4.4
TRIAL AVERAGE									
		45.5	2.8	3.2	1.8	1.8	36.8	45.5	45.6

-- DATA NOT AVAILABLE.

\*\* HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

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

TABLE 4. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR NOVELTY ON THE GREENLEY MEMORIAL CENTER DURING 1985-87. PLANTED: 6 MAY 1987. HARVESTED: 6 OCTOBER 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1987			LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)		1987	1986	1985	1987	1986	1985
MATURITY GROUP 2									
COMMERCIAL VARIETIES									
HILL SEED HS 3000	9-14	34.8	1.1	--	2.3		36.7**	--	29.6
HILL SEED HS 2850	9-11	35.5	1.1	--	--		36.0*	--	--
FONTANELLE 6464	9- 8	38.9	1.8	2.7	2.2		35.2*	26.7	45.9*
McCURDY 3033	8-21	31.9	1.4	--	--		34.9*	--	--
KELLER KNOX	8-21	33.1	1.5	1.6	2.6		32.7*	39.4*	27.3
DIAMOND BRAND D245	8-22	37.3	2.1	2.5	--		32.1	37.2*	--
HIDY BINBUSTER 2260	8-19	31.2	1.0	--	--		32.1	--	--
PIONEER 9292	8-24	31.3	1.2	1.0	--		31.8	36.0	--
McCUBBIN TAYLOR	8-19	31.4	1.6	1.6	1.6		31.6	36.0	26.8
LEWIS 297	8-21	31.9	1.2	--	--		31.6	--	--
AMERICANA MARINER	8-23	31.5	1.2	1.6	3.0		30.9	39.6*	22.7
FONTANELLE 5708	8-30	35.6	1.1	1.0	2.0		30.7	31.5	36.0*
COKER 6592	8-30	34.8	1.7	--	--		30.6	--	--
JMS 2987	8-23	38.4	1.1	--	--		30.2	--	--
REEDS 222	8-19	32.6	1.0	1.6	2.3		30.2	37.5*	27.3
LYNKS LX 8280	8-20	31.6	1.4	--	--		29.6	--	--
BRAD 29	8-21	37.0	1.8	1.3	--		29.6	38.1*	--
DIAMOND BRAND D280B	8-21	32.1	1.4	2.5	--		29.2	36.0	--
FONTANELLE 6161	8-25	34.0	1.4	1.3	2.0		29.1	34.7	33.2*
HOFLE GEM	8-19	29.8	1.6	1.6	3.3		28.9	40.2**	30.7*
LYNKS LX 8307	8-23	32.6	1.4	--	--		28.6	--	--
RANDELL MAHASKA	8-22	32.6	1.0	1.0	2.0		28.6	31.6	25.3
MERSCHMAN CHEYENNE III	8-23	35.6	1.4	1.0	--		28.2	36.5	--
K. LEWIS/KING CITY ASPEN	8-23	37.3	1.6	--	--		27.1	--	--
HACK	8-18	29.0	1.1	--	--		26.7	--	--
S-BRAND S46F	8-19	33.6	1.3	--	--		26.6	--	--
TRI VALLEY CUTLASS 88	8-21	34.0	1.8	--	--		25.8	--	--
HOFLE GEM II	8-19	30.6	1.3	--	--		22.1	--	--
EXPERIMENTAL VARIETIES									
SOI EXP 22697	8-21	33.3	1.4	--	--		32.2	--	--
SRF EXP 23707	8-24	36.4	2.5	--	--		27.2	--	--
MATURITY GROUP AVERAGE	8-24	33.7	1.4	1.3	2.3		30.2	36.5	29.2
MATURITY GROUP L.S.D. AT .05	3	3.3	0.6	0.9	0.7		4.4	3.6	6.5
MATURITY GROUP 3									
COMMERCIAL VARIETIES									
PRIZE 622	9-13	39.2	1.0	1.3	--		42.5*	36.9*	--
ASGROW A3733	9-12	31.3	1.0	1.0	--		41.1*	38.9*	--
RANDELL 3030	9-15	37.3	1.7	1.2	--		40.9*	42.3**	--
HILL SEED HS 4050	9-14	40.1	1.3	--	--		39.7*	--	--
NORTHROP KING S 39-99	9-13	31.3	1.0	1.0	2.2		39.2*	34.7	42.9*
LEWIS 367	9-12	40.7	1.7	--	--		38.6	--	--
LYNKS LX 8393	9-11	37.2	2.3	1.7	--		38.0	29.4	--
PRIZE 623	9-10	36.1	1.3	1.2	--		38.0	37.7*	--
ASGROW A3427	9- 9	31.8	1.0	1.0	1.9		37.9	36.1*	32.8
ASGROW A3935	9-13	35.3	1.0	--	--		37.9	--	--
JMS 3788	9-12	37.7	1.0	--	--		37.8	--	--
TERRA TRIUMPH	9-11	38.5	2.7	1.4	--		37.8	34.3	--
JACQUES J-361	9- 9	37.4	1.0	--	--		37.7	--	--
SEEDTEC ST 1414	9-15	42.0	1.3	--	--		36.0	--	--
MERSCHMAN MONROE II	9- 3	35.9	1.0	--	--		36.0	--	--
COKER 393	9-15	37.6	1.3	1.4	2.0		35.8	34.2	43.2*
ASGROW A3803	9-11	35.1	1.0	1.3	1.0		35.7	33.5	39.5
MERSCHMAN WASHINGTON VI	9-11	36.3	1.0	1.0	--		35.6	37.0*	--
DEKALB-PFIZER CX366	9- 6	37.7	1.0	1.1	--		35.6	34.6	--
STINE 3790	9- 8	35.2	1.0	1.2	--		35.6	35.1	--
MASCO TANGO	9-11	36.1	1.7	--	--		35.5	--	--
SHERMAN	9- 5	35.1	2.3	1.4	1.1		35.4	36.7*	34.5
PONTANELLE 6540	9-15	36.8	3.0	1.4	2.3		35.3	34.4	37.4
AGRIPRO AP3977	9-11	32.4	1.0	--	--		35.2	--	--
AMERICANA TAURUS	9-13	37.3	1.7	1.0	--		35.1	29.9	--
RAY-CARROLL WAKENDA	9- 9	39.7	1.3	--	--		35.0	--	--
S-BRAND S67	9- 9	38.6	1.0	1.0	--		34.9	32.4	--
McCUBBIN WINDSOR	9- 1	34.8	2.0	--	--		34.8	--	--
NECO 850	8-29	33.5	1.0	--	--		34.8	--	--
SOI 337	8-30	35.2	2.0	--	--		34.7	--	--
WILLIAMS 82	9-16	38.8	1.3	1.4	2.3		34.6	27.4	39.1
SILER SS-335	9- 6	36.3	1.3	1.0	--		34.4	40.3*	--
NECO 1000	9- 5	34.3	2.7	1.5	3.2		34.3	33.5	45.0**
S-BRAND S62	9- 6	36.4	1.0	1.0	--		34.1	39.5*	--
MERSCHMAN KENNEDY II	9- 6	36.1	1.0	1.1	1.0		34.1	31.3	32.6
SEEDTEC ST 1355	8-30	36.2	1.0	--	--		34.0	--	--
NECO 1100	9- 7	34.2	2.3	--	--		33.9	--	--
MERSCHMAN JEFFERSON V	9- 2	34.8	1.3	1.0	--		33.8	31.0	--

TABLE 4. CONTINUED.

BRAND-VARIETY	1987		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985
NORTHROP KING S 33-45	9- 7	38.0	2.0	--	--	33.7	--	--
McCURDY 3605	9-10	36.4	2.3	--	--	33.7	--	--
HOBBIT	8-29	21.0	1.0	1.0	1.0	33.6	35.5	27.2
K. LEWIS/KING CITY CYPRESS	9- 7	38.2	1.0	--	--	33.6	--	--
DIAMOND BRAND D320B	8-31	31.8	1.3	1.1	1.6	33.1	37.1*	34.4
S-BRAND S64B	9- 9	36.1	1.0	--	--	32.8	--	--
MERSCHMAN EISENHOWER	9- 3	40.6	2.3	2.0	2.2	32.7	32.2	37.6
ZANE	8-31	34.2	1.7	1.3	1.3	32.5	30.9	28.7
HARPER	9- 5	34.5	1.0	1.1	1.0	32.3	33.4	35.5
CFS 320	8-28	34.4	1.7	1.3	--	32.2	33.0	--
WILSON BLEND 3182	8-25	35.0	1.0	1.3	--	32.0	32.9	--
WINCHESTER	9- 5	36.0	2.0	1.7	--	31.9	28.3	--
McCURDY 375B	8-25	36.4	1.3	--	--	31.8	--	--
FORTUNE 777	9-13	37.5	1.0	--	--	31.8	--	--
HOFLER CRYSTAL	8-28	33.9	2.0	1.6	2.6	31.8	27.7	39.5
DIAMOND BRAND D315	8-29	34.7	1.7	1.5	2.2	31.7	36.7*	33.8
MASCO MARQUIS	9- 2	34.7	1.0	--	--	31.6	--	--
HIDY BINBUSTER 3682	9- 1	36.1	1.7	--	--	31.6	--	--
PIONEER 9331	8-30	33.6	1.0	--	--	31.4	--	--
S-BRAND S49D	8-25	34.6	1.0	--	--	31.4	--	--
RANDELL HAWK	9- 1	39.6	2.0	1.0	3.0	31.4	32.8	35.9
HOFLER CORAL	9- 9	38.2	2.0	2.5	2.3	31.2	28.2	43.5*
WILSON BLEND 3560	9- 7	37.0	2.7	2.1	2.6	31.0	32.9	37.8
AMERICANA ATLANTIS	8-29	35.4	1.0	1.0	--	31.0	36.4*	--
MERSCHMAN JEFFERSON IV	9- 1	34.2	1.0	1.4	2.3	31.0	32.3	36.2
HILL SEED HS 4150	9-17	35.1	1.0	2.3	2.2	30.9	25.4	38.0
CFS 360	9- 1	38.7	2.3	--	--	30.9	--	--
LEWIS 300	8-29	34.5	1.3	1.0	--	30.4	39.2*	--
MASCO 8604	8-26	37.1	1.0	1.5	--	30.3	33.6	--
SILER SS-325	9- 5	34.4	2.0	2.3	2.1	30.1	30.3	36.2
MERSCHMAN KENNEDY	8-29	34.6	1.7	1.8	1.6	30.1	35.0	36.7
FAYETTE	9-17	40.7	2.0	2.1	2.3	30.1	35.3	39.5
FORTUNE 666	9- 3	35.4	1.3	1.9	2.3	29.9	31.7	29.3
PIONEER 9361	9- 3	35.4	1.3	1.4	--	29.6	35.0	--
HOFLER SUNSTONE	8-25	33.9	1.0	1.0	--	29.4	35.9	--
REEDS 320	9- 1	34.9	1.3	2.2	1.9	29.4	27.1	34.2
REEDS 330	8-27	29.2	1.3	2.1	1.0	29.1	37.4*	33.4
MERSCHMAN TRUMAN II	8-31	34.3	1.7	1.7	2.0	29.1	30.8	40.0
PELLA 86	8-25	31.7	1.0	1.0	2.7	28.9	36.8*	40.4
MERSCHMAN JEFFERSON VI	8-29	34.5	1.0	--	--	28.8	--	--
REEDS 333	8-26	35.2	1.0	1.7	1.9	28.4	37.7*	30.1
TERRA ADVANCE	8-24	34.5	1.0	1.2	--	28.4	36.8*	--
CHAMBERLAIN	9- 3	38.0	1.7	2.1	--	28.4	32.4	--
RING AROUND RA303	8-21	33.2	1.7	2.4	2.6	28.3	38.9*	33.4
RANDELL 3040	8-24	33.9	1.3	1.1	--	28.3	36.0*	--
S-BRAND S49C	8-22	33.6	1.3	--	--	28.2	--	--
RAY-CARROLL SUMNER	8-23	34.3	1.0	--	--	28.0	--	--
NECO B-3	9- 9	36.3	2.0	--	--	28.0	--	--
STINE 3810	8-24	35.6	1.7	--	--	26.9	--	--
PRESTON	8-25	36.0	2.0	1.4	--	26.8	35.2	--
JMS 3186	8-24	35.0	1.0	1.2	--	26.8	38.8*	--
McCUBBIN TROY	8-27	34.4	2.3	1.7	2.0	26.4	31.2	31.9
HIDY BINBUSTER 3452	8-25	33.6	1.3	--	--	26.3	--	--
HILL SEED HS 3300	9- 2	32.5	1.0	--	--	25.3	--	--
SILER SS-305	8-23	35.9	1.7	--	--	25.2	--	--
MERSCHMAN HOOVER	8-24	32.5	1.7	--	--	24.0	--	--
TRI VALLEY CHARGER 85	8-25	34.3	2.7	--	--	23.7	--	--
EXPERIMENTAL VARIETIES								
COKER C083L-505	9-14	33.1	1.3	--	--	44.2**	--	--
AMERICANA B576	9-18	46.4	3.0	--	--	38.9	--	--
McCUBBIN EX 37998	9-12	37.2	1.7	--	--	38.1	--	--
DIAMOND BRAND D301	9-10	38.0	2.0	--	--	37.0	--	--
SOI EXP 23687	9-12	37.3	1.7	--	--	36.8	--	--
DIAMOND BRAND D305	9-10	36.0	1.0	--	--	36.5	--	--
DIAMOND BRAND DX 86-1304	8-31	33.0	1.0	--	--	36.5	--	--
RANDELL EXP 1	9- 7	29.8	2.0	--	--	35.8	--	--
GOLDEN HARVEST X391	9- 6	36.7	1.0	--	--	35.7	--	--
MIDWEST OILSEEDS EX3950	8-31	32.9	1.3	--	--	35.5	--	--
DIAMOND BRAND DX 86-1306	9- 5	36.9	1.3	--	--	35.1	--	--
DIAMOND BRAND DX 87-3301	8-29	34.3	1.3	--	--	33.7	--	--
JACQUES E8737	9-13	30.7	1.0	--	--	33.7	--	--
TERRA EXP 375	9- 3	35.0	1.0	--	--	33.7	--	--
SOI EXP 26327	8-25	34.7	2.3	--	--	32.4	--	--
DIAMOND BRAND DX 86-1305	9- 3	33.7	1.0	--	--	31.7	--	--
SRF EXP 11017	9-16	28.5	1.7	--	--	31.4	--	--
TERRA EXP 330	8-25	35.2	1.7	--	--	30.8	--	--
AGRIPRO EX3878	9- 1	39.1	2.0	--	--	30.2	--	--
AMERICANA B580	8-25	35.4	1.0	--	--	28.7	--	--
SHOWME LION	9-12	42.2	1.0	--	--	28.4	--	--
SRF EXP 15997	8-29	21.5	1.0	--	--	24.8	--	--
MATURITY GROUP AVERAGE	9- 4	35.4	1.5	1.5	2.1	32.8	33.1	36.4
MATURITY GROUP L.S.D. AT .05	6	3.5	0.7	0.9	0.7	5.0	6.3	7.2

TABLE 4. CONTINUED.

BRAND-VARIETY	1987			LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)		1987	1986	1985	1987	1986	1985
MATURITY GROUP 4									
COMMERCIAL VARIETIES									
GOLDEN HARVEST H-1483	9-29	48.4	3.0	--	--	--	48.6**	--	--
MERSCHMAN DALLAS	9-30	48.4	3.3	2.9	3.1	--	45.5*	34.1	38.3*
NECO B-4	9-30	49.2	3.7	--	--	--	43.9*	--	--
RIPLEY	9-18	25.4	1.0	1.1	1.0	1.0	43.9*	28.9	33.7
MERSCHMAN MEMPHIS II	9-13	43.1	2.9	--	--	--	42.3	--	--
AGRIPRO AP4321	9-20	37.4	1.6	1.0	2.1	2.1	41.2	36.2*	39.0*
MERSCHMAN ATLANTA II	9-19	42.5	2.9	--	--	--	41.2	--	--
NORTHRUP KING S 42-40	9-13	38.0	2.7	1.0	2.3	2.3	40.8	29.9	40.9*
MFA PV42	9-21	43.2	3.0	--	--	--	40.8	--	43.2*
MERSCHMAN WILLIAMSBURG	9-15	40.1	2.1	1.0	1.7	1.7	40.1	26.9	35.9
HIDY BINBUSTER 4279	9-10	40.8	1.6	--	--	--	39.8	--	--
DEKALB-PFIZER CX415	9-17	44.2	2.3	1.0	2.0	2.0	39.7	30.2	39.7*
MERSCHMAN DENVER III	9-30	46.5	3.0	--	--	--	39.3	--	--
MERSCHMAN HARRIS	9-16	40.9	2.8	1.3	2.3	2.3	39.1	33.9	39.5*
McCUBBIN ALBANY II	9-16	43.9	2.4	1.9	3.0	3.0	38.8	28.3	38.7*
RAY-CARROLL RAY	9-13	45.5	2.6	--	--	--	38.7	--	38.5*
NECO 1350	9-29	47.5	3.3	3.0	3.6	3.6	38.7	39.6**	36.4
REEDS 440	9-30	37.5	4.4	1.6	1.6	1.6	37.8	31.0	38.2*
NORTHRUP KING S 42-30	9-11	36.1	1.6	1.0	1.3	1.3	37.5	34.7	42.9*
STINE 4740	9-19	44.6	2.4	1.5	--	--	37.3	32.0	--
NORTHRUP KING S 44-77	9-22	47.8	2.7	--	--	--	37.1	--	--
PRIZE 624	9-12	33.1	1.9	--	--	--	37.1	--	--
HOFLER QUARTZ	9-15	41.3	3.0	1.0	2.0	2.0	36.4	28.1	42.2*
DOUGLAS	9-28	41.3	2.3	1.3	--	--	36.3	31.3	--
RAY-CARROLL RAY 2	9-24	46.8	2.4	--	--	--	36.0	--	--
NECO 1280	9-21	44.2	3.0	--	--	--	35.6	--	--
RING AROUND RA404	9-22	42.2	3.1	--	2.6	2.6	35.6	--	41.5*
SHISSLER GR8 420	9-18	40.8	2.3	1.6	2.6	2.6	35.2	23.3	43.2*
HOFLER JASPER	9-21	46.1	2.7	2.3	--	--	34.5	32.3	--
SHISSLER GR8 442	9-20	46.7	2.0	--	--	--	34.5	--	--
UNION	9-20	47.4	3.0	2.4	2.4	2.4	34.3	28.6	30.0
SPARKS	9-12	44.9	3.0	--	--	--	31.6	--	--
EXPERIMENTAL VARIETIES									
GOLDEN HARVEST X430	9-20	41.7	2.7	--	--	--	42.0	--	--
HOFLER EXP 1987-3	9-18	42.5	2.6	--	--	--	41.9	--	--
COKER 81R-59	9-17	37.3	1.7	--	--	--	41.7	--	--
SOI EXP 22137	9-26	43.0	2.9	--	--	--	40.2	--	--
SHOWME TIGER	9-28	40.5	3.0	--	--	--	39.9	--	--
SRF EXP 24737	9-13	42.3	2.6	--	--	--	38.6	--	--
KELLER K-934	9-21	47.3	2.1	--	--	--	34.8	--	--
McCUBBIN EX 80610	9-21	46.3	2.6	--	--	--	34.7	--	--
McCUBBIN EX 47702	9-15	39.7	2.3	--	--	--	34.7	--	--
MATURITY GROUP AVERAGE	9-20	42.6	2.6	1.7	2.5	2.5	38.7	30.3	36.2
MATURITY GROUP L.S.D. AT .05	4	3.2	0.8	0.6	2.4	2.4	5.5	4.3	8.2
-----									
TRIAL AVERAGE		36.7	1.7	1.5	2.2	2.2	33.7	32.9	35.6
-----									

-- DATA NOT AVAILABLE.

\*\* HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

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

TABLE 5. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED AT TWO NORTHERN MISSOURI LOCATIONS (BARNARD AND NOVELTY) DURING 1987.  
PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	BARNARD	NOVELTY	MEAN	BARNARD	NOVELTY	MEAN
MATURITY GROUP 2						
COMMERCIAL VARIETIES						
McCUBBIN TAYLOR	3.3	1.6	2.4	45.1**	31.6	38.4**
McCURDY 3033	3.9	1.4	2.6	41.6*	34.9*	38.2*
KELLER KNOX	3.4	1.5	2.4	43.1*	32.7*	37.9*
LYNKS LX 8280	3.5	1.4	2.4	43.5*	29.6	36.6*
HILL SEED HS 2850	2.8	1.1	2.0	36.7	36.0*	36.4*
REEDS 222	3.9	1.0	2.4	42.3*	30.2	36.2*
HIDY BINBUSTER 2260	3.8	1.0	2.4	39.6*	32.1	35.8*
FONTANELLE 5708	3.2	1.1	2.2	40.2*	30.7	35.4*
PIONEER 9292	1.7	1.2	1.4	38.4	31.8	35.1*
BRAD 29	2.6	1.8	2.2	40.5*	29.6	35.0*
HILL SEED HS 3000	2.0	1.1	1.6	33.1	36.7**	34.9*
DIAMOND BRAND D245	3.4	2.1	2.8	37.6	32.1	34.8*
AMERICANA MARINER	3.0	1.2	2.1	38.4	30.9	34.6*
JMS 2987	3.1	1.1	2.1	37.7	30.2	34.0
MERSCHMAN CHEYENNE III	3.4	1.4	2.4	39.4	28.2	33.8
RANDELL MAHASKA	2.6	1.0	1.7	38.7	28.6	33.6
DIAMOND BRAND D280B	3.2	1.4	2.3	38.1	29.2	33.6
LEWIS 297	3.6	1.2	2.4	35.3	31.6	33.4
FONTANELLE 6464	2.9	1.8	2.4	31.2	35.2*	33.2
K. LEWIS/KING CITY ASPEN	3.4	1.6	2.5	38.6	27.1	32.8
TRI VALLEY CUTLASS 88	3.2	1.8	2.5	39.4	25.8	32.6
COKER 6592	3.0	1.7	2.4	34.5	30.6	32.6
LYNKS LX 8307	3.1	1.4	2.2	36.4	28.6	32.5
S-BRAND S46F	2.9	1.3	2.1	38.1	26.6	32.4
HACK	2.4	1.1	1.8	37.2	26.7	32.0
FONTANELLE 6161	3.1	1.4	2.2	33.1	29.1	31.1
HOFLER GEM	4.2	1.6	2.9	32.7	28.9	30.8
HOFLER GEM II	3.3	1.3	2.3	36.4	22.1	29.2
EXPERIMENTAL VARIETIES						
SOI EXP 22697	3.6	1.4	2.5	36.5	32.2	34.4
SRF EXP 23707	3.1	2.5	2.8	27.9	27.2	27.6
MATURITY GROUP AVERAGE	3.2	1.4	2.3	37.7	30.2	34.0
MATURITY GROUP L.S.D. AT .05	0.7	0.6	0.4	5.5	4.4	3.8
MATURITY GROUP 3						
COMMERCIAL VARIETIES						
PRIZE 622	2.5	1.0	1.8	41.3*	42.5*	41.9**
ASGROW A3733	1.0	1.0	1.0	41.6*	41.1*	41.4*
ASGROW A3935	2.0	1.0	1.5	42.0*	37.9	40.0*
RANDELL 3030	2.4	1.7	2.0	38.6	40.9*	39.8*
ASGROW A3427	2.3	1.0	1.6	40.4*	37.9	39.2*
SEEDTEC ST 1355	2.3	2.0	1.6	44.4**	34.0	39.2*
TERRA TRIUMPH	3.1	2.7	2.9	40.4*	37.8	39.1*
LEWIS 367	2.4	1.7	2.0	39.4*	38.6	39.0*
NECO 850	2.5	1.0	1.8	42.7*	34.8	38.8*
HILL SEED HS 4050	2.9	1.3	2.1	37.0	39.7*	38.4*
PRIZE 623	1.9	1.3	1.6	38.9	38.0	38.4*
JMS 3788	2.3	1.0	1.6	39.1*	37.8	38.4*
NORTHROP KING S 39-99	2.5	1.0	1.8	37.1	39.2*	38.2*
MASCO TANGO	2.7	1.7	2.2	40.8*	35.5	38.2*
NECO 1100	2.6	2.3	2.4	42.4*	33.9	38.2*
MERSCHMAN MONROE II	2.3	1.0	1.6	40.5*	36.0	38.2*
LYNKS LX 8393	3.5	2.3	2.9	38.1	38.0	38.0*
S-BRAND S64B	2.2	1.0	1.6	42.7*	32.8	37.8*
JACQUES J-361	2.3	1.0	1.6	37.7	37.7	37.7*
S-BRAND S67	2.0	1.0	1.5	40.2*	34.9	37.6*
WILSON BLEND 3182	2.7	1.0	1.8	43.1*	32.0	37.6*
MERSCHMAN WASHINGTON VI	2.3	1.0	1.6	39.4*	35.6	37.5*
ASGROW A3803	1.6	1.0	1.3	39.0*	35.7	37.4*
McCUBBIN WINDSOR	3.0	2.0	2.5	40.0*	34.8	37.4*
STINE 3790	2.6	1.0	1.8	39.3*	35.6	37.4*
SHERMAN	3.1	2.3	2.7	38.9	35.4	37.2
DEKALB-PFIZER CX366	2.7	1.0	1.8	38.0	35.6	36.8
CFS 320	2.7	1.7	2.2	40.4*	32.2	36.3
McCURDY 3605	3.0	2.3	2.6	38.8	33.7	36.2
MASCO MARQUIS	2.1	1.0	1.6	40.7*	31.6	36.2
MERSCHMAN JEFFERSON V	2.3	1.3	1.8	38.7	33.8	36.2
COKER 393	2.1	1.3	1.7	36.6	35.8	36.2
NORTHROP KING S 33-45	3.1	2.0	2.6	38.4	33.7	36.0
S-BRAND S49D	3.3	1.0	2.2	40.4*	31.4	35.9
AGRIPRO AP3977	2.1	1.0	1.6	36.5	35.2	35.8
S-BRAND S62	2.6	1.0	1.8	37.6	34.1	35.8
SOI 337	3.0	2.0	2.5	36.7	34.7	35.7
AMERICANA TAURUS	2.6	1.7	2.2	36.0	35.1	35.6

TABLE 5. CONTINUED.

BRAND-VARIETY	LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	BARNARD	NOVELTY	MEAN	BARNARD	NOVELTY	MEAN
MERSCHMAN EISENHOWER	3.0	2.3	2.6	38.4	32.7	35.6
MERSCHMAN KENNEDY II	2.2	1.0	1.6	37.1	34.1	35.6
HARPER	2.7	1.0	1.8	39.0*	32.3	35.6
MERSCHMAN JEFFERSON IV	3.1	1.0	2.0	39.8*	31.0	35.4
HOFLER CRYSTAL	2.6	2.0	2.3	39.1*	31.8	35.4
K. LEWIS/KING CITY CYPRESS	2.3	1.0	1.6	37.2	33.6	35.4
PELLA 86	1.7	1.0	1.4	42.0*	28.9	35.4
NECO 1000	3.4	2.7	3.0	36.0	34.3	35.2
RAY-CARROLL WAKENDA	2.4	1.3	1.8	35.4	35.0	35.2
HOFLER CORAL	3.2	2.0	2.6	39.0*	31.2	35.1
AMERICANA ATLANTIS	2.6	1.0	1.8	39.1*	31.0	35.0
ZANE	2.7	1.7	2.2	37.5	32.5	35.0
LEWIS 300	2.9	1.3	2.1	39.4*	30.4	34.9
SILER SS-335	2.3	1.3	1.8	35.3	34.4	34.8
DIAMOND BRAND D315	2.4	1.7	2.0	37.7	31.7	34.7
HOBBIT	1.1	1.0	1.0	35.5	33.6	34.6
SEEDTEC ST 1414	2.7	1.3	2.0	32.6	36.0	34.3
DIAMOND BRAND D320B	2.2	1.3	1.8	35.3	33.1	34.2
FONTANELLE 6540	3.4	3.0	3.2	32.5	35.3	33.9
McCURDY 375B	3.0	1.7	2.2	35.9	31.8	33.8
CFS 360	3.1	2.3	2.7	36.6	30.9	33.8
SILER SS-325	3.0	2.0	2.5	37.6	30.1	33.8
WILSON BLEND 3560	2.9	2.7	2.8	36.4	31.0	33.7
MERSCHMAN JEFFERSON VI	2.7	1.0	1.8	38.2	28.8	33.5
RANDELL HAWK	2.9	2.0	2.4	35.6	31.4	33.5
S-BRAND S49C	3.3	1.3	2.3	38.5	28.2	33.4
RING AROUND RA303	3.2	1.7	2.4	38.2	28.3	33.2
FORTUNE 777	2.7	1.0	1.8	34.5	31.8	33.2
MASCO 8604	3.1	1.0	2.0	36.1	30.3	33.2
WILLIAMS 82	2.4	1.3	1.8	31.8	34.6	33.2
MERSCHMAN TRUMAN II	2.6	1.7	2.2	36.9	29.1	33.0
PIONEER 9331	2.7	1.0	1.8	34.6	31.4	33.0
PIONEER 9361	2.3	1.3	1.8	36.1	29.6	32.8
HIDY BINBUSTER 3682	2.6	1.7	2.2	33.7	31.6	32.6
CHAMBERLAIN	3.0	1.7	2.4	36.8	28.4	32.6
TERRA ADVANCE	2.9	1.0	2.0	36.3	28.4	32.4
RANDELL 3040	2.9	1.3	2.1	36.2	28.3	32.2
STINE 3810	3.0	1.7	2.4	37.5	26.9	32.2
WINCHESTER	3.0	2.0	2.5	31.9	31.9	31.9
RAY-CARROLL SUMNER	2.9	1.0	2.0	35.8	28.0	31.9
FORTUNE 666	2.1	1.3	1.7	33.6	29.9	31.8
REEDS 330	1.0	1.3	1.2	34.3	29.1	31.7
HILL SEED HS 4150	2.3	1.0	1.6	32.1	30.9	31.5
HIDY BINBUSTER 3452	3.0	1.3	2.2	36.7	26.3	31.5
PRESTON	3.0	2.0	2.5	36.0	26.8	31.4
HILL SEED HS 3300	2.9	1.0	2.0	37.4	25.3	31.4
HOFLER SUNSTONE	2.5	1.0	1.8	33.0	29.4	31.2
NECO B-3	2.8	2.0	2.4	34.5	28.0	31.2
McCUBBIN TROY	2.6	2.3	2.4	36.1	26.4	31.2
MERSCHMAN KENNEDY	3.1	1.7	2.4	32.2	30.1	31.2
MERSCHMAN HOOVER	2.8	1.7	2.2	38.2	24.0	31.1
JMS 3186	3.1	1.0	2.0	34.9	26.8	30.8
REEDS 333	3.0	1.0	2.0	33.2	28.4	30.8
FAYETTE	2.8	2.0	2.4	31.1	30.1	30.6
TRI VALLEY CHARGER 85	4.0	2.7	3.4	37.0	23.7	30.4
REEDS 320	2.7	1.3	2.0	29.4	29.4	29.4
SILER SS-305	3.7	1.7	2.7	32.2	25.2	28.7
EXPERIMENTAL VARIETIES						
McCUBBIN EX 37998	2.3	1.7	2.0	41.1*	38.1	39.6*
DIAMOND BRAND D305	2.4	1.0	1.7	41.0*	36.5	38.8*
COKER CO83L-505	2.3	1.3	1.8	33.2	44.2**	38.7*
MIDWEST OILSEEDS EX3950	3.0	1.3	2.2	40.6*	35.5	38.0*
DIAMOND BRAND DX 86-1304	2.0	1.0	1.5	39.5*	36.5	38.0*
GOLDEN HARVEST X391	3.1	1.0	2.0	39.3*	35.7	37.5*
AMERICANA B576	3.2	3.0	3.1	35.9	38.9	37.4*
DIAMOND BRAND DX 87-3301	2.0	1.3	1.6	40.7*	33.7	37.2
SOI EXP 23687	2.1	1.7	1.9	36.5	36.8	36.6
DIAMOND BRAND D301	2.6	2.0	2.3	36.3	37.0	36.6
JACQUES E8737	2.1	1.0	1.6	39.3*	33.7	36.5
RANDELL EXP 1	2.3	2.0	2.2	37.1	35.8	36.4
DIAMOND BRAND DX 86-1306	2.1	1.3	1.7	37.3	35.1	36.2
DIAMOND BRAND DX 86-1305	3.0	1.0	2.0	39.5*	31.7	35.6
TERRA EXP 375	2.3	1.0	1.6	37.2	33.7	35.4
SOI EXP 26327	3.5	2.3	2.9	37.7	32.4	35.0
SRF EXP 11017	3.0	1.7	2.4	38.3	31.4	34.8
AMERICANA B580	3.3	1.0	2.2	40.5*	28.7	34.6
TERRA EXP 330	3.1	1.7	2.4	36.6	30.8	33.7
SHOWME LION	2.6	1.0	1.8	35.3	28.4	31.8
SRF EXP 15997	2.1	1.0	1.6	37.9	24.8	31.4
AGRIPRO EX3878	2.7	2.0	2.4	32.7	30.2	31.4
MATURITY GROUP AVERAGE	2.6	1.5	2.1	37.5	32.8	35.1
MATURITY GROUP L.S.D. AT .05	0.7	0.7	0.5	5.4	5.0	4.5

TABLE 5. CONTINUED.

BRAND-VARIETY	LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	BARNARD	NOVELTY	MEAN	BARNARD	NOVELTY	MEAN
MATURITY GROUP 4						
COMMERCIAL VARIETIES						
MERSCHMAN DALLAS	3.0	3.3	3.2	38.8*	45.5*	42.2**
MERSCHMAN MEMPHIS II	2.9	2.9	2.9	40.2**	42.3	41.2*
RIPLEY	1.0	1.0	1.0	38.0*	43.9*	41.0*
GOLDEN HARVEST H-1483	3.5	3.0	3.2	33.5	48.6**	41.0*
HIDY BINBUSTER 4279	2.9	1.6	2.2	40.0*	39.8	39.9*
NECO B-4	2.9	3.7	3.3	35.6	43.9*	39.8*
NORTHROP KING S 42-40	2.7	2.7	2.7	38.6*	40.8	39.7*
MERSCHMAN ATLANTA II	3.1	2.9	3.0	36.0*	41.2	38.6*
MERSCHMAN DENVER III	3.0	3.0	3.0	36.3*	39.3	37.8
NORTHROP KING S 42-30	2.3	1.6	2.0	37.9*	37.5	37.7
DEKALB-PFIZER CX415	2.6	2.3	2.4	35.2	39.7	37.4
STINE 4740	2.9	2.4	2.6	37.6*	37.3	37.4
AGRIPRO AP4321	2.1	1.6	1.8	32.2	41.2	36.7
PRIZE 624	1.7	1.9	1.8	36.1*	37.1	36.6
DOUGLAS	2.6	2.3	2.4	35.9*	36.3	36.1
MERSCHMAN WILLIAMSBURG	2.7	2.1	2.4	31.9	40.1	36.0
MFA PV42	2.7	3.0	2.8	30.7	40.8	35.8
NORTHROP KING S 44-77	3.0	2.7	2.8	34.5	37.1	35.8
RAY-CARROLL RAY 2	3.7	2.4	3.0	35.5	36.0	35.8
NECO 1350	3.3	3.3	3.3	32.9	38.7	35.8
McCUBBIN ALBANY II	2.9	2.4	2.6	32.1	38.8	35.4
RAY-CARROLL RAY	3.1	2.6	2.8	31.5	38.7	35.1
NECO 1280	3.2	3.0	3.1	34.3	35.6	35.0
REEDS 440	3.5	4.4	4.0	32.0	37.8	34.9
MERSCHMAN HARRIS	2.7	2.8	2.8	30.1	39.1	34.6
HOFLE QUARTZ	3.0	3.0	3.0	32.1	36.4	34.2
HOFLE JASPER	3.5	2.7	3.1	33.7	34.5	34.1
SHISSLER GR8 442	3.1	2.0	2.6	32.9	34.5	33.7
RING AROUND RA404	3.1	3.1	3.1	31.4	35.6	33.5
SHISSLER GR8 420	3.1	2.3	2.7	31.2	35.2	33.2
UNION	3.3	3.0	3.2	31.1	34.3	32.7
SPARKS	3.4	3.0	3.2	30.1	31.6	30.8
EXPERIMENTAL VARIETIES						
COKER 81R-59	2.3	1.7	2.0	36.5*	41.7	39.1*
HOFLE EXP 1987-3	3.0	2.6	2.8	35.0	41.9	38.4*
GOLDEN HARVEST X430	3.3	2.7	3.0	34.0	42.0	38.0
SHOWME TIGER	2.7	3.0	2.8	35.4	39.9	37.6
SOI EXP 22137	2.9	2.9	2.9	32.6	40.2	36.4
SRF EXP 24737	2.9	2.6	2.8	32.7	38.6	35.6
KELLER K-934	3.6	2.1	2.8	34.0	34.8	34.4
McCUBBIN EX 47702	3.0	2.3	2.6	32.9	34.7	33.8
McCUBBIN EX 80610	3.1	2.6	2.8	31.3	34.7	33.0
MATURITY GROUP AVERAGE	2.9	2.6	2.7	34.3	38.7	36.5
MATURITY GROUP L.S.D. AT .05	0.7	0.8	0.5	4.4	5.5	4.1
TRIAL AVERAGE						
	2.8	1.7	2.2	36.8	33.7	35.2

\*\* HIGHEST YIELDING VARIETY IN THE MATURITY GROUP.

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

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR MARSHALL ON THE FRANK SWISHER FARM DURING 1985-87. PLANTED: 7 MAY 1987. HARVESTED: 1 OCTOBER 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1987			LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)		1987	1986	1985	1987	1986	1985
MATURETY GROUP 2									
COMMERCIAL VARIETIES									
K. LEWIS/KING CITY ASPEN	8-26	32.7	2.3	--	--	--	38.7**	--	--
DOUBLE SS 2900	8-27	36.0	2.3	1.6	--	--	38.5*	67.6**	--
AMERICANA MARINER	8-26	30.3	1.0	--	--	--	35.8*	--	--
REEDS 222	8-26	29.7	1.0	1.6	3.3	--	35.7*	59.3	40.7
LYNKS LX 8307	8-30	32.7	1.3	--	--	--	35.6*	--	--
HACK	8-21	30.0	1.3	--	--	--	28.3	--	--
MATURETY GROUP AVERAGE	8-26	31.9	1.5	1.4	3.0	--	35.4	59.7	38.8
MATURETY GROUP L.S.D. AT .05	1	NS	NS	NS	NS	--	5.9	NS	NS
MATURETY GROUP 3									
COMMERCIAL VARIETIES									
ASGROW A3935	9-10	38.8	1.3	--	--	--	52.9**	--	--
NECO 1100	9-7	39.1	2.8	--	--	--	50.5*	--	--
PRIZE 622	9-9	41.1	1.4	2.0	--	--	50.3*	68.2*	--
SILER SS-335	9-6	39.7	1.7	2.3	--	--	49.8*	65.0*	--
LEWIS 367	9-7	44.2	2.2	--	--	--	49.7*	--	--
McCURDY 3605	9-6	38.1	2.6	--	--	--	49.6*	--	--
REEDS 333	9-4	38.9	1.3	2.6	3.4	--	48.6*	66.7*	49.9*
S-BRAND S67A	9-7	40.8	1.0	--	--	--	48.0*	--	--
NORTHRUP KING S 39-99	9-10	38.8	1.6	2.2	1.3	--	48.0*	67.6*	53.2*
S-BRAND S67	9-7	40.1	1.6	1.6	--	--	48.0*	72.8*	--
STINE 3790	9-7	40.4	1.2	2.4	1.7	--	48.0*	71.0*	53.6*
MERSCHMAN WASHINGTON VI	9-7	38.7	2.0	1.0	--	--	47.9*	67.0*	--
COKER 393	9-10	43.5	2.1	2.1	1.9	--	47.5*	64.8*	50.1*
SILER SS-325	9-6	42.2	2.4	3.4	3.6	--	47.0*	70.1*	49.7*
PIONEER 9391	9-7	40.8	2.4	--	--	--	46.7*	--	--
MERSCHMAN KENNEDY	9-6	38.7	1.8	2.6	3.3	--	46.6*	65.7*	50.0*
PRIZE 623	9-9	37.4	1.4	--	--	--	46.5*	--	--
RAY-CARROLL WAKENDA	9-7	41.6	1.8	--	--	--	46.5*	--	--
JMS 3788	9-8	38.6	1.0	--	--	--	46.1*	--	--
AMERICANA TAURUS	9-7	44.1	2.3	3.3	--	--	46.0*	69.5*	--
SHERMAN	9-6	35.8	1.6	2.9	3.0	--	45.9	65.9*	50.7*
MERSCHMAN JEFFERSON VI	9-5	38.5	2.2	--	--	--	45.8	--	--
K. LEWIS/KING CITY CYPRESS	9-8	44.1	1.5	--	--	--	45.5	--	--
HILL SEED HS 4050	9-11	42.8	1.9	3.0	--	--	45.4	63.1*	--
RAY-CARROLL CARROLL 2	9-7	39.9	1.1	--	--	--	45.3	--	--
LYNKS LX 8393	9-6	40.6	2.6	2.6	--	--	45.0	58.6	--
WILLIAMS 82	9-10	42.5	2.6	3.2	2.9	--	44.8	59.3	45.7
FORTUNE 777	9-7	40.8	1.5	--	--	--	44.8	--	--
AMERICANA SENTRY	9-8	38.0	3.2	4.6	3.6	--	44.5	72.9*	49.9*
MERSCHMAN MONROE II	9-6	39.1	2.4	--	--	--	44.4	--	--
S-BRAND S62	9-7	41.4	1.7	1.6	--	--	44.0	68.6*	--
WILSON BLEND 3560	9-5	38.9	2.5	3.4	--	--	44.0	69.4*	--
PELLA 86	8-31	34.2	1.1	1.6	2.8	--	44.0	60.5	46.6
FAYETTE	9-9	43.4	3.0	2.9	2.8	--	43.9	59.6	48.7
McCURDY 375B	9-4	40.0	2.3	--	--	--	43.6	--	--
HARPER	9-6	35.8	1.0	1.6	2.2	--	43.4	63.4*	48.9
MERSCHMAN KENNEDY II	9-6	37.0	1.1	1.3	2.4	--	43.4	58.8	47.6
HILL SEED HS 3300	8-30	36.1	2.2	--	--	--	43.3	--	--
DEKALB-PFIZER CX366	9-6	40.3	1.4	1.7	--	--	43.3	63.2*	--
FONTANELLE 6540	9-11	41.2	2.4	4.2	2.8	--	43.1	72.4*	49.2*
DOUBLE SS 3900	9-8	40.0	1.8	2.2	--	--	42.7	52.1	--
NORTHRUP KING S 33-45	9-7	38.9	1.8	--	--	--	42.5	--	--
SEEDTEC ST 1414	9-8	43.5	2.2	--	--	--	42.1	--	--
MERSCHMAN JEFFERSON IV	9-5	38.9	1.9	1.9	3.3	--	42.1	63.7*	50.8*
S-BRAND S64B	9-7	38.1	1.2	--	--	--	42.0	--	--
HILL SEED HS 4150	9-10	38.8	1.8	3.0	2.6	--	42.0	61.0	46.3
MERSCHMAN TRUMAN II	9-5	39.2	1.8	1.9	2.7	--	41.3	70.9*	55.3**
MERSCHMAN JEFFERSON V	9-6	38.8	1.4	1.2	--	--	41.0	58.2	--
LEWIS 300	9-2	35.6	1.6	2.2	--	--	40.8	61.6*	--
MERSCHMAN EISENHOWER	9-9	38.9	2.5	2.5	4.0	--	40.4	73.0**	49.9*
NECO 1000	9-6	36.9	1.7	2.6	2.7	--	40.3	60.9	51.0*
REEDS 320	9-5	39.7	2.4	2.2	2.1	--	39.8	61.6*	43.4
CHAMBERLAIN	9-4	39.9	1.9	2.9	--	--	39.6	67.3*	--
McCUBBIN WINDSOR	9-3	38.8	2.1	--	--	--	39.6	--	--
FORTUNE 666	9-6	40.6	2.2	1.5	2.1	--	39.5	61.4*	47.4
NECO B-3	9-7	42.8	2.3	--	--	--	38.9	--	--
WINCHESTER	9-6	40.1	1.8	2.6	--	--	38.6	65.8*	--
ZANE	9-3	33.7	1.3	2.3	3.1	--	38.2	68.7*	48.0
PRESTON	8-27	34.0	2.2	2.1	--	--	37.4	58.4	--
RANDELL 3040	8-30	36.6	2.8	--	--	--	37.2	--	--
DOUBLE SS 3285	9-5	38.9	1.8	1.9	--	--	36.8	59.6	--
REEDS 330	9-3	24.2	1.1	1.6	1.4	--	36.8	61.6*	40.7
RANDELL HAWK	8-31	36.1	2.7	--	--	--	35.8	--	--
HOBBIT	9-4	19.5	1.0	--	--	--	23.3	--	--
EXPERIMENTAL VARIETIES									
RANDELL EXP 1	9-8	34.4	1.1	--	--	--	50.5*	--	--
HILL SEED EX 347	9-7	37.4	1.4	--	--	--	47.9*	--	--
GOLDEN HARVEST X391	9-7	38.7	1.0	--	--	--	47.0*	--	--
SHOWME LION	9-7	38.2	1.9	--	--	--	45.7	--	--



TABLE 6. CONTINUED.

BRAND-VARIETY	1987			LODGING SCORE (1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985	
	-----								
SRF EXP 13687	9- 8	40.1	2.2	--	--	44.5	--	--	
SOI EXP 27387	9- 7	39.3	1.7	--	--	43.7	--	--	
COKER C083L-505	9-13	35.4	1.0	--	--	43.0	--	--	
SOI EXP 23797	9- 6	40.3	1.4	--	--	41.2	--	--	
MATURITY GROUP AVERAGE	9- 6	38.8	1.8	2.5	2.8	43.8	64.3	47.7	
MATURITY GROUP L.S.D. AT .05	2	4.1	0.9	1.2	1.1	6.9	11.8	6.1	
MATURITY GROUP 4									
COMMERCIAL VARIETIES									
JMS 4383	9-16	47.0	3.0	4.3	4.1	56.2**	67.6	45.9	
STINE 4880	9-13	44.5	3.0	--	--	56.0**	--	--	
PIONEER 9441	9-13	42.2	1.7	2.9	1.7	54.0*	67.3	50.2*	
PIONEER 9442	9-16	36.8	1.3	--	--	53.9**	--	--	
ASGROW A4393	9-17	43.5	2.3	--	--	53.1*	--	--	
ASGROW A4595	9-15	42.9	2.3	3.6	--	51.9**	75.1*	--	
RING AROUND RA452	10- 2	52.5	3.0	--	3.3	51.7**	--	39.4	
RAY-CARROLL CHARITON	9-21	48.2	3.0	3.3	4.2	50.8**	61.5	53.9*	
REEDS 440	9-27	41.8	2.3	4.2	1.1	50.4**	57.1	44.0	
MERSCHMAN ATLANTA II	9-14	41.1	2.7	--	--	50.0**	--	--	
MERSCHMAN DALLAS	9-24	50.8	3.0	3.6	4.0	50.0**	70.4*	48.0	
NORTHRUP KING S 42-40	9- 9	38.8	2.3	3.6	3.8	49.8**	66.9	44.0	
RAY-CARROLL RAY	9-13	46.0	2.7	3.0	3.4	49.7**	79.3**	51.8*	
SILER SS-7415	9-13	40.9	2.7	--	--	49.3**	--	--	
DESOTO	9-13	48.2	2.7	2.6	2.6	49.2**	64.8	48.8*	
LYNKS LX 8405	9-12	42.7	2.7	4.3	--	48.9**	67.1	--	
RAY-CARROLL RAY 2	9-17	46.3	3.0	3.6	--	48.8**	62.8	--	
JMS 4688	9-14	43.2	2.7	--	--	48.5	--	--	
REEDS 460	9-19	32.5	1.0	1.0	2.1	48.4	61.4	42.4	
SHISSLER GR8 442	9-17	46.7	2.7	--	--	48.2	--	--	
MERSCHMAN HARRIS	9-12	40.8	2.7	2.0	3.2	48.2	68.8*	47.7	
MERSCHMAN DENVER III	9-19	47.4	3.0	--	--	48.1	--	--	
NECO 1350	9-23	47.3	2.7	4.3	3.8	48.0	67.1	48.5*	
RING AROUND RA404	9-17	43.8	2.0	3.0	2.2	47.7	62.4	51.0*	
DOUGLAS	9-19	40.0	2.0	3.3	3.0	47.6	65.2	52.0*	
HILL	9-30	36.4	4.3	--	--	47.5	--	--	
MERSCHMAN MEMPHIS II	9-11	40.8	2.7	--	--	47.0	--	--	
NECO 1280	9-17	46.2	2.7	--	--	46.9	--	--	
CAPEHART 4679	9-24	44.0	2.7	--	--	46.9	--	--	
DEKALB-PFIZER CX415	9-12	40.2	2.7	1.9	2.8	46.7	68.3	52.2*	
STINE 4740	9-12	42.2	2.3	--	--	46.4	--	--	
DOUBLE SS 4500	9-13	43.8	2.7	--	--	46.0	--	--	
NORTHRUP KING S 44-77	9-13	47.9	3.0	--	--	45.9	--	--	
JACQUES J-431	9-15	41.7	1.7	2.3	--	45.9	63.5	--	
NORTHRUP KING S 42-30	9- 9	34.6	1.3	1.9	1.7	45.8	69.5*	53.2*	
MFA PV42	9-17	42.5	2.0	2.7	1.8	45.6	69.2*	47.3	
GOLDEN HARVEST H-1483	9-21	47.8	3.0	--	--	45.5	--	--	
RIPLEY	9-10	24.1	1.0	1.0	1.3	45.3	71.8*	50.7*	
SHISSLER GR8 420	9-14	44.0	2.7	3.3	4.0	44.8	67.6	46.3	
NECO B-4	9-26	48.7	3.0	--	--	44.7	--	--	
MERSCHMAN WILLIAMSBURG	9-10	41.2	2.3	2.6	3.0	44.1	68.8*	48.9*	
JMS 4288	9-14	43.3	3.3	--	--	43.9	--	--	
UNION	9-14	47.3	3.0	4.6	3.8	43.9	62.2	43.2	
ESCO B2	10- 2	52.2	4.0	--	--	43.5	--	--	
JACQUES J-130	9-25	52.6	3.7	4.3	--	43.1	65.4	--	
McCUBBIN CARSON	9-24	51.4	3.0	--	4.1	43.0	--	48.1*	
JMS 4982	9-25	45.9	2.7	4.7	4.3	42.7	62.8	46.9	
CRAWFORD	9-28	49.3	3.7	4.9	2.4	41.8	59.2	41.2	
ESCO B3	10- 4	50.6	5.0	--	--	40.7	--	--	
SPARKS	9- 7	41.3	3.0	2.9	4.7	33.6	63.1	42.8	
EXPERIMENTAL VARIETIES									
JACQUES E8744	9-15	41.0	3.0	--	--	52.5*	--	--	
HILL SEED EX 417	9-27	42.6	3.0	--	--	52.3*	--	--	
COKER 81R-59	9-13	41.9	2.3	--	--	52.3*	--	--	
GOLDEN HARVEST X430	9-15	44.3	3.0	--	--	51.2*	--	--	
SOI EXP 22137	9-14	40.7	3.0	--	--	50.0*	--	--	
SOI EXP 27467	9-14	44.2	3.0	--	--	48.6	--	--	
McCUBBIN EX 47702	9-13	41.3	2.3	--	--	48.1	--	--	
AMERICANA B566	9-17	47.3	3.0	3.3	--	47.6	60.4	--	
SHOWME TIGER	9-19	44.3	2.3	--	--	47.2	--	--	
MIDWEST OILSEEDS EX4990	9-25	43.5	2.7	--	--	47.2	--	--	
SRF EXP 11527	9-19	42.3	1.7	--	--	46.3	--	--	
McCUBBIN EX 80610	9-16	44.9	2.7	--	--	44.8	--	--	
AMERICANA B567	9- 7	41.6	3.0	4.3	3.4	44.8	70.8*	49.7*	
SOI EXP 24557	9-16	44.3	2.7	--	--	42.7	--	--	
MATURITY GROUP AVERAGE	9-17	43.8	2.7	3.1	3.2	47.6	65.9	47.3	
MATURITY GROUP L.S.D. AT .05	3	5.2	0.7	1.2	1.1	7.4	10.6	6.7	
-----									
TRIAL AVERAGE		40.7	2.2	2.7	3.0	45.2	64.8	47.2	
-----									

-- 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 7. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR MARTHASVILLE ON THE JIM HELLABUSCH FARM DURING 1987. PLANTED: 8 MAY 1987. HARVESTED: 28 SEPTEMBER 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1987		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985
MATURITY GROUP 2								
COMMERCIAL VARIETIES								
K. LEWIS/KING CITY ASPEN	8-21	36.7	1.0	--	--	47.1**	--	--
REEDS 222	8-22	29.7	1.0	--	--	44.2	--	--
AMERICANA MARINER	8-21	30.7	1.0	--	--	43.3	--	--
DOUBLE SS 2900	8-21	34.0	1.0	--	--	40.9	--	--
LYNKS LX 8307	8-21	31.0	1.0	--	--	36.4	--	--
HACK	8-23	25.7	1.0	--	--	33.7	--	--
MATURITY GROUP AVERAGE	8-22	31.3	1.0			40.9		
MATURITY GROUP L.S.D. AT .05	NS	5.3	NS			NS		
MATURITY GROUP 3								
COMMERCIAL VARIETIES								
JMS 3788	8-30	38.0	2.4	--	--	57.1**	--	--
NECO 1000	8-31	31.3	1.4	--	--	55.9*	--	--
S-BRAND S62	9- 2	39.0	1.0	--	--	55.9*	--	--
RAY-CARROLL CARROLL 2	8-29	35.7	1.0	--	--	55.8*	--	--
ASGROW A3935	9- 4	37.3	1.6	--	--	55.8*	--	--
PRIZE 622	9- 2	38.0	1.3	--	--	55.7*	--	--
DEKALB-PFIZER CX366	8-30	35.0	2.1	--	--	55.6*	--	--
STINE 3790	9- 1	37.0	1.7	--	--	54.8*	--	--
SILER SS-335	8-31	37.3	1.5	--	--	54.6*	--	--
MERSCHMAN WASHINGTON VI	9- 2	39.0	1.0	--	--	54.5*	--	--
PRIZE 623	9- 2	36.3	1.2	--	--	54.5*	--	--
S-BRAND S67	9- 1	38.7	1.3	--	--	54.4*	--	--
HARPER	8-29	34.7	1.1	--	--	54.4*	--	--
NORTHROP KING S 39-99	8-30	35.3	1.0	--	--	54.2*	--	--
FORTUNE 777	9- 2	41.3	2.1	--	--	53.8*	--	--
FONTANELLE 6540	8-31	34.7	3.1	--	--	53.7*	--	--
MERSCHMAN MONROE II	8-31	34.0	1.7	--	--	53.4*	--	--
SILER SS-325	8-30	32.7	2.6	--	--	52.6*	--	--
PIONEER 9391	9- 1	37.7	2.0	--	--	52.6*	--	--
MERSCHMAN KENNEDY	8-30	36.0	1.9	--	--	52.6*	--	--
S-BRAND S64B	8-31	38.7	1.8	--	--	52.4*	--	--
S-BRAND S67A	8-31	37.7	1.1	--	--	51.8*	--	--
COKER 393	9- 5	39.3	1.4	--	--	51.7*	--	--
CHAMBERLAIN	8-29	35.7	2.7	--	--	50.8*	--	--
McCUBBIN WINDSOR	9- 1	36.3	2.3	--	--	50.8*	--	--
HILL SEED HS 4050	9- 1	40.0	1.5	--	--	50.5*	--	--
AMERICANA TAURUS	8-31	40.0	2.3	--	--	49.6*	--	--
MERSCHMAN KENNEDY II	9- 2	36.0	1.2	--	--	49.3*	--	--
McCURDY 375B	8-30	33.0	2.2	--	--	49.2*	--	--
FAYETTE	9- 3	40.0	2.7	--	--	49.1*	--	--
DOUBLE SS 3900	8-30	34.3	1.1	--	--	49.1*	--	--
MERSCHMAN EISENHOWER	9- 3	39.0	3.0	--	--	49.0*	--	--
ZANE	8-28	32.7	1.5	--	--	48.6	--	--
WILSON BLEND 3560	8-27	35.3	1.9	--	--	48.6	--	--
MERSCHMAN JEFFERSON IV	8-30	35.7	1.4	--	--	48.6	--	--
NECO 1100	8-28	32.7	2.4	--	--	48.5	--	--
AMERICANA SENTRY	9- 1	35.3	2.7	--	--	48.5	--	--
LEWIS 300	8-29	30.3	1.5	--	--	48.4	--	--
RAY-CARROLL WAKENDA	9- 2	39.0	2.3	--	--	48.3	--	--
HILL SEED HS 3300	8-30	33.0	1.7	--	--	48.2	--	--
PRESTON	8-29	32.7	2.2	--	--	48.0	--	--
MERSCHMAN JEFFERSON VI	8-29	31.7	2.3	--	--	47.9	--	--
REEDS 330	8-29	25.0	1.0	--	--	47.7	--	--
WINCHESTER	8-30	36.7	1.6	--	--	47.7	--	--
LYNKS LX 8393	8-27	36.7	2.8	--	--	47.5	--	--
McCURDY 3605	8-28	31.0	3.2	--	--	47.2	--	--
RANDELL 3040	8-30	31.7	1.3	--	--	47.1	--	--
K. LEWIS/KING CITY CYPRESS	9- 2	41.3	1.2	--	--	46.9	--	--
HILL SEED HS 4150	8-31	38.0	1.7	--	--	46.8	--	--
SHERMAN	8-29	34.7	1.8	--	--	46.7	--	--
LEWIS 367	9- 1	41.3	1.9	--	--	46.3	--	--
NORTHROP KING S 33-45	8-30	32.3	2.7	--	--	46.1	--	--
DOUBLE SS 3285	8-30	36.0	2.0	--	--	45.7	--	--
SEEDTEC ST 1414	9- 3	40.7	2.0	--	--	45.6	--	--
REEDS 333	8-30	34.0	1.8	--	--	45.5	--	--
WILLIAMS 82	9- 2	40.0	2.3	--	--	45.5	--	--
FORTUNE 666	8-31	36.0	2.0	--	--	45.5	--	--
MERSCHMAN JEFFERSON V	8-31	34.3	1.7	--	--	45.3	--	--
PELLA 86	8-27	31.3	1.0	--	--	44.4	--	--
MERSCHMAN TRUMAN II	8-28	33.3	1.3	--	--	44.2	--	--
REEDS 320	8-31	36.3	1.6	--	--	42.0	--	--
NECO B-3	8-28	37.7	2.2	--	--	41.1	--	--
HOBBIT	8-31	18.3	1.0	--	--	38.9	--	--
RANDELL HAWK	8-28	39.3	3.0	--	--	37.5	--	--
EXPERIMENTAL VARIETIES								
SOI EXP 27387	8-30	38.3	1.1	--	--	56.9*	--	--
GOLDEN HARVEST X391	8-31	38.3	1.1	--	--	54.7*	--	--
COKER C083L-505	9-10	32.7	1.4	--	--	53.6*	--	--
SRF EXP 13687	9- 4	36.0	1.9	--	--	51.6*	--	--

TABLE 7. CONTINUED.

BRAND-VARIETY	1987		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985
HILL SEED EX 347	8-31	36.3	1.0	--	--	51.2*	--	--
RANDELL EXP 1	9- 2	33.0	1.0	--	--	48.9	--	--
SHOWME LION	9- 1	38.7	1.6	--	--	46.1	--	--
SOI EXP 23797	8-27	38.0	1.7	--	--	45.6	--	--
MATURITY GROUP AVERAGE	8-31	35.8	1.8			49.7		
MATURITY GROUP L.S.D. AT .05	5	3.2	0.8			8.1		
MATURITY GROUP 4								
COMMERCIAL VARIETIES								
GOLDEN HARVEST H-1483	9-12	45.4	3.3	--	--	64.5**	--	--
RING AROUND RA452	9-27	48.1	2.0	--	--	60.8*	--	--
ASGROW A4393	9- 9	40.3	1.0	--	--	59.9*	--	--
NECO B-4	9-16	46.7	3.3	--	--	59.8*	--	--
NECO 1280	9- 9	42.5	2.7	--	--	59.4*	--	--
MERSCHMAN MEMPHIS II	9- 5	38.4	2.3	--	--	58.9*	--	--
ESCO B2	9-27	51.1	3.0	--	--	58.0*	--	--
DOUGLAS	9-11	36.9	1.3	--	--	58.0*	--	--
REEDS 460	9-11	29.9	1.0	--	--	58.0*	--	--
McCUBBIN CARSON	9-16	44.1	3.0	--	--	57.1*	--	--
MERSCHMAN WILLIAMSBURG	9- 4	38.4	2.0	--	--	56.7*	--	--
PIONEER 9442	9- 9	37.6	1.7	--	--	56.3*	--	--
MERSCHMAN DENVER III	9-11	38.9	2.7	--	--	56.2*	--	--
STINE 4880	9- 7	38.8	2.3	--	--	56.1*	--	--
CAPEHART 4679	9-13	41.9	1.7	--	--	56.0*	--	--
MERSCHMAN DALLAS	9-11	44.4	2.3	--	--	55.9*	--	--
RIPLEY	9- 6	20.2	1.0	--	--	55.9*	--	--
JMS 4288	9- 5	42.9	2.7	--	--	55.8	--	--
RAY-CARROLL CHARITON	9-13	44.9	2.7	--	--	55.7	--	--
SILER SS-7415	9- 6	40.7	2.7	--	--	54.8	--	--
MERSCHMAN ATLANTA II	9- 6	38.1	2.7	--	--	54.7	--	--
JMS 4688	9- 7	39.4	3.3	--	--	54.4	--	--
PIONEER 9441	9- 7	37.3	1.0	--	--	54.3	--	--
SHISSLER GR8 442	9- 8	43.1	3.0	--	--	54.1	--	--
JACQUES J-130	9-16	43.6	3.0	--	--	54.1	--	--
JMS 4982	9-15	45.8	2.7	--	--	53.9	--	--
DEKALB-PFIZER CX415	9- 6	40.0	2.3	--	--	53.8	--	--
LYNKS LX 8405	9- 4	38.2	2.7	--	--	53.4	--	--
STINE 4740	9- 7	37.4	2.0	--	--	53.1	--	--
RAY-CARROLL RAY 2	9- 8	40.4	2.7	--	--	53.0	--	--
NORTHROP KING S 42-40	9- 1	34.5	2.0	--	--	53.0	--	--
NECO 1350	9-13	43.4	3.0	--	--	52.9	--	--
RAY-CARROLL RAY	9- 4	40.8	2.0	--	--	52.9	--	--
REEDS 440	9-23	39.0	2.0	--	--	52.4	--	--
JACQUES J-431	9- 8	40.3	1.0	--	--	51.9	--	--
DESOTO	9- 7	42.6	3.0	--	--	51.6	--	--
CRAWFORD	9-17	45.3	3.0	--	--	51.4	--	--
ASGROW A4595	9-10	40.7	1.7	--	--	51.4	--	--
RING AROUND RA404	9-10	42.8	1.3	--	--	50.8	--	--
MFA PV42	9-10	42.8	1.3	--	--	50.6	--	--
NORTHROP KING S 44-77	9- 2	43.1	2.7	--	--	50.3	--	--
NORTHROP KING S 42-30	9- 1	31.7	1.0	--	--	49.5	--	--
SHISSLER GR8 420	9- 7	39.1	2.7	--	--	49.5	--	--
HILL	9-24	31.1	2.7	--	--	49.4	--	--
JMS 4383	9- 9	38.8	3.7	--	--	48.1	--	--
UNION	9- 5	43.1	3.0	--	--	48.1	--	--
SPARKS	9- 2	38.4	2.7	--	--	46.9	--	--
ESCO B3	9-27	49.0	3.0	--	--	46.3	--	--
MERSCHMAN HARRIS	9- 8	37.8	2.3	--	--	46.2	--	--
DOUBLE SS 4500	9- 6	38.5	1.7	--	--	45.1	--	--
EXPERIMENTAL VARIETIES								
HILL SEED EX 417	9-24	41.4	1.7	--	--	62.8*	--	--
SOI EXP 22137	9- 8	38.7	2.0	--	--	59.2*	--	--
JACQUES E8744	9- 6	40.2	2.3	--	--	58.7*	--	--
MIDWEST OILSEEDS EX4990	9-21	44.2	2.0	--	--	58.5*	--	--
COKER 81R-59	9- 8	39.4	1.7	--	--	57.6*	--	--
SOI EXP 24557	9- 9	39.6	2.7	--	--	57.6*	--	--
GOLDEN HARVEST X430	9- 9	38.7	2.0	--	--	57.4*	--	--
AMERICANA B566	9- 9	41.1	1.7	--	--	57.2*	--	--
SHOWME TIGER	9-12	42.1	1.7	--	--	57.1*	--	--
McCUBBIN EX 80610	9- 7	40.1	2.7	--	--	56.6*	--	--
SRF EXP 11527	9-10	38.9	1.3	--	--	51.3	--	--
SOI EXP 27467	9- 6	37.0	3.0	--	--	49.8	--	--
McCUBBIN EX 47702	9- 4	39.0	2.3	--	--	49.1	--	--
AMERICANA B567	8-30	39.6	2.0	--	--	47.2	--	--
MATURITY GROUP AVERAGE	9-10	40.3	2.3			54.2		
MATURITY GROUP L.S.D. AT .05	3	3.6	0.8			8.6		
TRIAL AVERAGE								
		37.6	2.0			51.4		

-- 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.

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED AT TWO CENTRAL MISSOURI LOCATIONS (MARSHALL AND MARTHASVILLE) DURING 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MARSHALL	MARTHASVILLE	MEAN	MARSHALL	MARTHASVILLE	MEAN
MATURITY GROUP 2						
COMMERCIAL VARIETIES						
K. LEWIS/KING CITY ASPEN	2.3	1.0	1.6	38.7**	47.1**	42.9**
REEDS 222	1.0	1.0	1.0	35.7*	44.2	40.0*
DOUBLE SS 2900	2.3	1.0	1.6	38.5*	40.9	39.7*
AMERICANA MARINER	1.0	1.0	1.0	35.8*	43.3	39.6*
LYNKS LX 8307	1.3	1.0	1.2	35.6*	36.4	36.0
HACK	1.3	1.0	1.2	28.3	33.7	31.0
MATURITY GROUP AVERAGE	1.5	1.0	1.3	35.4	40.9	38.2
MATURITY GROUP L.S.D. AT .05	NS	NS	NS	5.9	NS	5.1
MATURITY GROUP 3						
COMMERCIAL VARIETIES						
ASGROW A3935	1.3	1.6	1.4	52.9**	55.8*	54.4**
PRIZE 622	1.4	1.3	1.4	50.3*	55.7*	53.0*
SILER SS-335	1.7	1.5	1.6	49.8*	54.6*	52.2*
JMS 3788	1.0	2.4	1.7	46.1*	57.1**	51.6*
STINE 3790	1.2	1.7	1.4	48.0*	54.8*	51.4*
MERSCHMAN WASHINGTON VI	2.0	1.0	1.5	47.9*	54.5*	51.2*
S-BRAND S67	1.6	1.3	1.4	48.0*	54.4*	51.2*
NORTHROP KING S 39-99	1.6	1.0	1.3	48.0*	54.2*	51.1*
RAY-CARROLL CARROLL 2	1.1	1.0	1.0	45.3	55.8*	50.6*
PRIZE 623	1.4	1.2	1.3	46.5*	54.5*	50.5*
S-BRAND S62	1.7	1.0	1.3	44.0	55.9*	50.0*
S-BRAND S67A	1.0	1.1	1.0	48.0*	51.8*	49.9*
SILER SS-325	2.4	2.6	2.5	47.0*	52.6*	49.8*
MERSCHMAN KENNEDY	1.8	1.9	1.8	46.6*	52.6*	49.6*
COKER 393	2.1	1.4	1.8	47.5*	51.7*	49.6*
PIONEER 9391	2.4	2.0	2.2	46.7*	52.6*	49.6*
NECO 1100	2.8	2.4	2.6	50.5*	48.5	49.5*
DEKALB-PFIZER CX366	1.4	2.1	1.8	43.3	55.6*	49.4*
FORTUNE 777	1.5	2.1	1.8	44.8	53.8*	49.3*
HARPER	1.0	1.1	1.0	43.4	54.4*	48.9*
MERSCHMAN MONROE II	2.4	1.7	2.0	44.4	53.4*	48.9*
FONTANELLE 6540	2.4	3.1	2.8	43.1	53.7*	48.4*
McCURDY 3605	2.6	3.2	2.9	49.6*	47.2	48.4*
NECO 1000	1.7	1.4	1.6	40.3	55.9*	48.1
HILL SEED HS 4050	1.9	1.5	1.7	45.4	50.5*	48.0
LEWIS 367	2.2	1.9	2.0	49.7*	46.3	48.0
AMERICANA TAURUS	2.3	2.3	2.3	46.0*	49.6*	47.8
RAY-CARROLL WAKENDA	1.8	2.3	2.0	46.5*	48.3	47.4
S-BRAND S64B	1.2	1.8	1.5	42.0	52.4*	47.2
REEDS 333	1.3	1.8	1.6	48.6*	45.5	47.0
MERSCHMAN JEFFERSON VI	2.2	2.3	2.2	45.8	47.9	46.8
FAYETTE	3.0	2.7	2.8	43.9	49.1*	46.5
AMERICANA SENTRY	3.2	2.7	3.0	44.5	48.5	46.5
McCURDY 375B	2.3	2.2	2.2	43.6	49.2*	46.4
MERSCHMAN KENNEDY II	1.1	1.2	1.2	43.4	49.3*	46.4
WILSON BLEND 3560	2.5	1.9	2.2	44.0	48.6	46.3
SHERMAN	1.6	1.8	1.7	45.9	46.7	46.3
LYNKS LX 8393	2.6	2.8	2.7	45.0	47.5	46.2
K. LEWIS/KING CITY CYPRESS	1.5	1.2	1.4	45.5	46.9	46.2
DOUBLE SS 3900	1.8	1.1	1.4	42.7	49.1*	45.9
HILL SEED HS 3300	2.2	1.7	2.0	43.3	48.2	45.8
MERSCHMAN JEFFERSON IV	1.9	1.4	1.6	42.1	48.6	45.4
CHAMBERLAIN	1.9	2.7	2.3	39.6	50.8*	45.2
WILLIAMS 82	2.6	2.3	2.4	44.8	45.5	45.2
McCUBBIN WINDSOR	2.1	2.3	2.2	39.6	50.8*	45.2
MERSCHMAN EISENHOWER	2.5	3.0	2.8	40.4	49.0*	44.7
LEWIS 300	1.6	1.5	1.6	40.8	48.4	44.6
HILL SEED HS 4150	1.8	1.7	1.8	42.0	46.8	44.4
NORTHROP KING S 33-45	1.8	2.7	2.2	42.5	46.1	44.3
PELLA 86	1.1	1.0	1.0	44.0	44.4	44.2
SEEDTEC ST 1414	2.2	2.0	2.1	42.1	45.6	43.8
ZANE	1.3	1.5	1.4	38.2	48.6	43.4
WINCHESTER	1.8	1.6	1.7	38.6	47.7	43.2
MERSCHMAN JEFFERSON V	1.4	1.7	1.6	41.0	45.3	43.2
MERSCHMAN TRUMAN II	1.8	1.3	1.6	41.3	44.2	42.8
PRESTON	2.2	2.2	2.2	37.4	48.0	42.7
FORTUNE 666	2.2	2.0	2.1	39.5	45.5	42.5
RANDELL 3040	2.8	1.3	2.0	37.2	47.1	42.2
REEDS 330	1.1	1.0	1.0	36.8	47.7	42.2
DOUBLE SS 3285	1.8	2.0	1.9	36.8	45.7	41.2
REEDS 320	2.4	1.6	2.0	39.8	42.0	40.9
NECO B-3	2.3	2.2	2.2	38.9	41.1	40.0
RANDELL HAWK	2.7	3.0	2.8	35.8	37.5	36.6
HOBBIT	1.0	1.0	1.0	23.3	38.9	31.1
EXPERIMENTAL VARIETIES						
GOLDEN HARVEST X391	1.0	1.1	1.0	47.0*	54.7*	50.8*
SOI EXP 27387	1.7	1.1	1.4	43.7	56.9*	50.3*
RANDELL EXP 1	1.1	1.0	1.0	50.5*	48.9	49.7*
HILL SEED EX 347	1.4	1.0	1.2	47.9*	51.2*	49.6*

TABLE 8. CONTINUED.

BRAND-VARIETY	LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MARSHALL	MARTHASVILLE	MEAN	MARSHALL	MARTHASVILLE	MEAN
SHOWME LION	1.9	1.6	1.8	45.7	46.1	45.9
COKER C083L-505	1.0	1.4	1.2	43.0	53.6*	48.3
SRF EXP 13687	2.2	1.9	2.0	44.5	51.6*	48.0
SOI EXP 23797	1.4	1.7	1.6	41.2	45.6	43.4
MATURITY GROUP AVERAGE	1.8	1.8	1.8	43.8	49.7	46.8
MATURITY GROUP L.S.D. AT .05	0.9	0.8	0.7	6.9	8.1	6.0
MATURITY GROUP 4						
COMMERCIAL VARIETIES						
ASGROW A4393	2.3	1.0	1.6	53.1*	59.9*	56.5*
RING AROUND RA452	3.0	2.0	2.5	51.7*	60.8*	56.2*
STINE 4880	3.0	2.3	2.6	56.0*	56.1*	56.0*
PIONEER 9442	1.3	1.7	1.5	53.9*	56.3*	55.1*
GOLDEN HARVEST H-1483	3.0	3.3	3.2	45.5	64.5**	55.0*
PIONEER 9441	1.7	1.0	1.4	54.0*	54.3	54.2*
NECO 1280	2.7	2.7	2.7	46.9	59.4*	53.2*
RAY-CARROLL CHARITON	3.0	2.7	2.8	50.8*	55.7	53.2*
REEDS 460	1.0	1.0	1.0	48.4	58.0*	53.2*
MERSCHMAN DALLAS	3.0	2.3	2.6	50.0*	55.9*	53.0*
MERSCHMAN MEMPHIS II	2.7	2.3	2.5	47.0	58.9*	53.0*
DOUGLAS	2.0	1.3	1.6	47.6	58.0*	52.8*
MERSCHMAN ATLANTA II	2.7	2.7	2.7	50.0*	54.7	52.4*
JMS 4383	3.0	3.7	3.4	56.2**	48.1	52.2*
NECO B-4	3.0	3.3	3.2	44.7	59.8*	52.2*
MERSCHMAN DENVER III	3.0	2.7	2.8	48.1	56.2*	52.2*
SILVER SS-7415	2.7	2.7	2.7	49.3*	54.8	52.0*
ASGROW A4595	2.3	1.7	2.0	51.9*	51.4	51.6
REEDS 440	2.3	2.0	2.2	50.4*	52.4	51.4
CAPEHART 4679	2.7	1.7	2.2	46.9	56.0*	51.4
JMS 4688	2.7	3.3	3.0	48.5	54.4	51.4
NORTHTRUP KING S 42-40	2.3	2.0	2.2	49.8*	53.0	51.4
RAY-CARROLL RAY	2.7	2.0	2.4	49.7*	52.9	51.3
SHISSLER GR8 442	2.7	3.0	2.8	48.2	54.1	51.2
LYNKS LX 8405	2.7	2.7	2.7	48.9*	53.4	51.2
RAY-CARROLL RAY 2	3.0	2.7	2.8	48.8*	53.0	50.9
ESCO B2	4.0	3.0	3.5	43.5	58.0*	50.8
RIPLEY	1.0	1.0	1.0	45.3	55.9*	50.6
NECO 1350	2.7	3.0	2.8	48.0	52.9	50.4
MERSCHMAN WILLIAMSBURG	2.3	2.0	2.2	44.1	56.7*	50.4
DESOTO	2.7	3.0	2.8	49.2*	51.6	50.4
DEKALB-PFIZER CX415	2.7	2.3	2.5	46.7	53.8	50.2
McCUBBIN CARSON	3.0	3.0	3.0	43.0	57.1*	50.0
STINE 4740	2.3	2.0	2.2	46.4	53.1	49.8
JMS 4288	3.3	2.7	3.0	43.9	55.8	49.8
RING AROUND RA404	2.0	1.3	1.6	47.7	50.8	49.2
JACQUES J-431	1.7	1.0	1.4	45.9	51.9	48.9
JACQUES J-130	3.7	3.0	3.4	43.1	54.1	48.6
HILL	4.3	2.7	3.5	47.5	49.4	48.4
JMS 4982	2.7	2.7	2.7	42.7	53.9	48.3
MFA PV42	2.0	1.3	1.6	45.6	50.6	48.1
NORTHTRUP KING S 44-77	3.0	2.7	2.8	45.9	50.3	48.1
NORTHTRUP KING S 42-30	1.3	1.0	1.2	45.8	49.5	47.6
MERSCHMAN HARRIS	2.7	2.3	2.5	48.2	46.2	47.2
SHISSLER GR8 420	2.7	2.7	2.7	44.8	49.5	47.2
CRAWFORD	3.7	3.0	3.4	41.8	51.4	46.6
UNION	3.0	3.0	3.0	43.9	48.1	46.0
DOUBLE SS 4500	2.7	1.7	2.2	46.0	45.1	45.6
ESCO B3	5.0	3.0	4.0	40.7	46.3	43.5
SPARKS	3.0	2.7	2.8	33.6	46.9	40.2
EXPERIMENTAL VARIETIES						
HILL SEED EX 417	3.0	1.7	2.4	52.3*	62.8*	57.6**
JACQUES E8744	3.0	2.3	2.6	52.5*	58.7*	55.6*
COKER 81R-59	2.3	1.7	2.0	52.3*	57.6*	55.0*
SOI EXP 22137	3.0	2.0	2.5	50.0*	59.2*	54.6*
GOLDEN HARVEST X430	3.0	2.0	2.5	51.2*	57.4*	54.3*
MIDWEST OILSEEDS EX4990	2.7	2.0	2.4	47.2	58.5*	52.8*
AMERICANA B566	3.0	1.7	2.4	47.6	57.2*	52.4*
SHOWME TIGER	2.3	1.7	2.0	47.2	57.1*	52.2*
McCUBBIN EX 80610	2.7	2.7	2.7	44.8	56.6*	50.7
SOI EXP 24557	2.7	2.7	2.7	42.7	57.6*	50.2
SOI EXP 27467	3.0	3.0	3.0	48.6	49.8	49.2
SRF EXP 11527	1.7	1.3	1.5	46.3	51.3	48.8
McCUBBIN EX 47702	2.3	2.3	2.3	48.1	49.1	48.6
AMERICANA B567	3.0	2.0	2.5	44.8	47.2	46.0
MATURITY GROUP AVERAGE	2.7	2.3	2.5	47.6	54.2	50.9
MATURITY GROUP L.S.D. AT .05	0.7	0.8	0.5	7.4	8.6	5.6
-----						
TRIAL AVERAGE	2.2	2.0	2.1	45.2	51.4	48.3
-----						

\*\* 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 NEAR LAMAR ON THE WALLY NORTON FARM DURING 1985-87.  
 PLANTED: 30 APRIL 1987. HARVESTED: 8 OCTOBER 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1987		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985
	-----							
MATURITY GROUP 3								
COMMERCIAL VARIETIES								
MERSCHMAN WASHINGTON VI	--	33.5	1.0	--	--	25.9*	--	--
NECO 1000	--	30.5	2.6	1.0	1.3	25.5*	25.9**	31.4*
DEKALB-PFIZER CX366	--	33.8	1.7	--	--	23.0*	--	--
COKER 393	--	32.3	2.0	1.0	1.0	22.4	25.5	30.3*
WILLIAMS 82	--	36.9	2.2	1.0	1.0	22.2	19.6	29.7*
FORTUNE 777	--	33.8	1.6	--	--	21.4	--	--
HARPER	--	29.6	1.4	--	--	19.0	--	--
SHERMAN	--	26.3	1.4	--	--	18.3	--	--
NECO 1100	--	31.8	2.8	--	--	17.3	--	--
FAYETTE	--	37.8	2.1	--	--	17.3	--	--
TERRA TRIUMPH	--	31.7	2.2	--	--	16.9	--	--
PELLA 86	--	29.1	1.9	1.0	--	15.3	16.9	--
CHAMBERLAIN	--	33.3	1.7	--	--	15.1	--	--
NECO B-3	--	32.5	2.5	--	--	14.0	--	--
EXPERIMENTAL VARIETIES								
GOLDEN HARVEST X391	--	33.7	2.0	--	--	26.6**	--	--
TERRA EXP 375	--	31.4	1.6	--	--	25.7*	--	--
MATURITY GROUP AVERAGE		33.0	2.0	1.2	1.2	20.6	21.5	29.3
MATURITY GROUP L.S.D. AT .05		2.3	0.8	0.9	NS	3.7	NS	6.6
MATURITY GROUP 4								
COMMERCIAL VARIETIES								
RING AROUND RA452	9-27	42.0	1.7	1.3	1.0	35.9**	44.7*	34.1
ASGROW A4906	9-26	42.0	1.6	--	--	33.4*	--	--
NECO 1350	9-21	46.0	2.7	1.7	1.6	30.7*	28.0	36.0
HILL	9-22	30.3	4.3	--	--	30.6	--	--
REEDS 440	9-21	33.3	2.4	1.0	1.0	29.6	35.7	33.5
RING AROUND RA451	10- 1	43.7	2.5	--	1.3	29.5	--	34.0
CRAWFORD	9-23	41.7	2.3	1.3	1.0	28.8	34.1	33.6
STINE 4190	9-24	42.7	2.3	--	2.0	28.2	--	35.2
REEDS 460	9-12	26.7	1.0	1.0	1.0	28.1	39.5*	30.0
MERSCHMAN DALLAS	9-19	44.0	3.3	1.3	2.6	27.7	38.5*	38.5*
ASGROW A4595	9-12	36.7	2.0	1.0	--	27.7	26.7	--
NECO B-4	9-26	47.0	2.7	1.6	--	26.1	36.6	--
GOLDEN HARVEST H-1483	9-22	46.7	2.2	--	--	25.1	--	--
TERRA COMPETITOR	9-19	45.7	2.8	--	--	24.9	--	--
PRIZE 828	9-24	40.7	3.4	1.7	2.6	23.7	35.2	40.7*
PIONEER 9442	9-10	33.0	1.5	--	--	23.5	--	--
RAY-CARROLL CHARITON	9-23	42.0	2.5	1.3	1.6	23.4	37.1	34.2
PIONEER 9441	9- 7	32.3	1.2	--	--	23.3	--	--
DOUGLAS	9-14	32.7	1.9	1.0	1.0	23.0	23.5	35.4
MFA PV42	9-14	35.7	2.8	1.0	1.0	21.9	30.4	29.2
CAPEHART 4679	9-17	34.7	3.4	--	--	21.1	--	--
NORTHRUP KING S42-40	9- 5	32.3	2.0	--	--	21.0	--	--
MERSCHMAN ATLANTA II	9- 6	35.7	2.4	--	--	20.4	--	--
DEKALB-PFIZER CX415	9- 5	37.7	1.3	1.0	1.0	20.4	33.1	35.4
NECO 1280	9- 9	42.7	2.6	--	--	20.0	--	--
RING AROUND RA404	9-19	36.7	2.3	1.0	1.3	20.0	30.6	37.6*
NORTHRUP KING S42-30	9- 4	30.3	1.2	--	--	20.0	--	--
RIPLEY	9- 4	18.7	1.0	1.0	--	18.5	15.5	--
DESOTO	9- 7	38.3	2.1	1.0	1.0	17.4	23.3	30.5
UNION	9- 5	39.3	2.4	1.0	1.0	15.5	29.8	29.1
SPARKS	9- 4	34.3	2.7	1.9	1.0	14.5	22.5	30.5
EXPERIMENTAL VARIETIES								
S83-1014	9-25	27.0	1.1	--	--	33.8*	--	--
S82-1443	9-26	36.0	2.6	--	--	33.0*	--	--
S81-2203	9-22	37.0	2.5	--	--	25.1	--	--
GOLDEN HARVEST X430	9- 6	35.0	1.9	--	--	18.9	--	--
TERRA EXP 450	9- 8	37.3	2.5	--	--	15.0	--	--
MATURITY GROUP AVERAGE	9-16	37.2	2.3	1.3	1.3	24.4	30.2	32.0
MATURITY GROUP L.S.D. AT .05	5	4.1	0.8	0.6	0.6	5.2	9.2	6.7
MATURITY GROUP 5								
COMMERCIAL VARIETIES								
CAPEHART STONE	10-10	39.4	2.2	--	--	42.5**	--	--
BAY	9-29	35.0	3.1	3.3	1.0	42.4*	38.1	35.7**
FORREST	10- 3	34.4	3.0	2.0	1.0	42.2*	41.1	30.7
NORTHRUP KING S53-34	9-28	31.7	2.3	--	--	42.1*	--	--
CAPEHART NOBLE	10- 2	35.4	2.3	--	--	41.2*	--	--

TABLE 9. CONTINUED.

BRAND-VARIETY	1987		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985
	ESSEX	9-28	32.1	2.3	2.0	1.0	39.5*	38.0
PERSHING	9-28	27.5	1.9	1.0	1.0	38.3*	38.6	30.9
COKER 425	9-29	27.0	1.7	2.0	1.0	37.2*	40.9	31.8
CAPEHART 5646	9-30	36.3	3.2	--	--	35.7	--	--
TAYLOR 5270	9-28	28.7	1.5	--	--	35.1	--	--
AVERY	9-28	49.7	3.1	2.6	--	33.9	47.0**	--
EXPERIMENTAL VARIETIES								
S82-1318	9-30	32.9	3.4	--	--	41.8*	--	--
S82-3641	10- 3	40.6	4.0	--	--	41.1*	--	--
NECO 1500	9-28	29.3	2.0	--	--	37.1	--	--
S83-1188	10- 3	38.3	2.7	--	--	35.8	--	--
MATURITY GROUP AVERAGE	9-30	34.6	2.6	2.4	1.0	39.1	39.9	31.9
MATURITY GROUP L.S.D. AT .05	1	4.7	1.0	1.1	NS	5.3	NS	NS
TRIAL AVERAGE		35.7	2.3	1.4	1.2	27.0	29.6	31.6

-- 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 10. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED NEAR ORAN ON THE GLEN NOTHDURFT FARM DURING 1987, NEAR ESSEX ON THE LANCE CANNON FARM IN 1986 AND ON THE CLAUDE KEASLER FARM IN 1985. PLANTED: 30 APRIL 1987. HARVESTED: 24 SEPT. AND 21 OCT. 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1987			LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)		1987	1986	1985	1987	1986	1985
Maturity Group 4									
COMMERCIAL VARIETIES									
DEKALB-PFIZER CX 415	8-24	38.8	1.0	--	--	--	37.3*	--	--
MFA PV42	8-30	40.1	1.3	--	--	--	37.3*	--	--
CAPEHART 4679	8-30	40.4	1.3	--	--	--	36.6*	--	--
RING AROUND RA 452	9- 7	45.8	1.3	2.6	2.9	--	36.0	53.8**	36.3
NORTHROP KING S42-30	8-23	31.4	1.0	--	--	--	35.9	--	--
JMS 4688	8-26	36.5	1.7	--	--	--	35.7	--	--
ASGROW A4906	9-11	46.1	1.0	--	--	--	34.9	--	--
JMS 4982	8-31	48.3	2.3	--	4.2	--	33.1	--	23.6
CRAWFORD	9- 4	45.2	1.7	--	--	--	31.7	--	--
DOUGLAS	8-30	35.5	1.0	2.0	2.0	--	29.6	40.5	18.8
NORTHROP KING S42-40	8-21	32.3	1.0	--	--	--	29.1	--	--
UNION	8-26	42.7	1.7	3.3	3.3	--	29.1	40.4	19.8
HYPERFORMER BRAND 401	8-28	49.4	2.3	--	--	--	26.8	--	--
HILL	9- 6	33.8	1.3	--	--	--	24.7	--	--
HYPERFORMER STEVENS	8-30	40.9	1.7	5.0	3.9	--	24.4	43.2	19.3
RIPLEY	8-21	15.0	1.0	--	--	--	18.5	--	--
EXPERIMENTAL VARIETIES									
COKER CO 83L-18	9- 9	46.8	2.7	--	--	--	42.0**	--	--
S82-1443	9- 9	34.7	1.3	--	--	--	38.8*	--	--
S83-1014	9- 2	29.6	1.0	--	--	--	30.2	--	--
S81-2203	8-31	45.6	2.0	3.3	--	--	29.3	49.7*	--
COKER CO 84M-634	9- 4	37.9	2.3	--	--	--	27.7	--	--
Maturity Group Average	8-31	38.9	1.5	2.7	2.6	2.6	31.8	48.0	20.1
Maturity Group L.S.D. AT .05	4	3.7	0.8	0.8	1.1	1.1	5.5	6.3	7.4
Maturity Group 5									
COMMERCIAL VARIETIES									
COKER 425	9-10	31.0	1.0	1.0	1.0	1.0	45.2**	42.2	22.9
PIONEER VARIETY 5482	9-11	35.0	1.0	1.0	1.6	1.6	42.5*	51.6*	41.4*
PIONEER VARIETY 9531	9- 9	34.3	1.0	1.0	1.0	1.0	42.1*	52.1*	36.4
DELTAPINE 415	9-17	34.7	1.5	1.3	--	--	41.5*	53.0*	--
COKER 485	9-19	42.0	2.7	1.0	2.0	2.0	38.6**	55.1*	35.2
AGRATECH AT 575	9-28	36.3	2.6	--	--	--	37.7	--	--
NATHAN	9- 8	46.0	2.4	1.3	3.6	3.6	36.9	49.8	35.9
BAY	9-21	37.7	1.4	1.3	1.0	1.0	36.8	47.4	34.8
NORTHROP KING S53-34	9-16	36.0	1.0	--	--	--	36.8	--	--
YIELD KING 577	9-23	41.7	3.1	2.3	--	--	36.6	50.7*	--
PERSHING	9- 8	29.7	1.0	1.0	1.0	1.0	36.5	46.1	31.2
BEDFORD	9-23	42.7	3.4	2.0	3.6	3.6	36.5	48.3	38.7
PIONEER VARIETY 9581	9-19	38.0	2.6	1.0	--	--	36.3	56.1*	--
AVERY	9-12	60.7	3.1	3.0	--	--	36.1	50.1*	--
CAPEHART 5646	9-13	38.0	2.0	--	--	--	35.7	--	--
DELTAPINE 105	9-22	37.7	2.4	2.0	3.0	3.0	35.2	53.1*	34.8
HARTZ 5164	9-22	39.3	3.3	1.3	--	--	34.9	52.4*	--
HARTZ 5370	9-18	42.7	2.3	1.0	2.3	2.3	34.3	48.3	33.3
ESSEX	9- 9	35.3	1.0	2.6	1.3	1.3	34.1	32.3	24.7
HARTZ 5171	9-23	38.0	3.0	2.0	2.3	2.3	33.9	47.0	33.7
ASGROW A5474	9-14	41.3	1.2	1.0	1.3	1.3	33.1	49.5	38.4
RING AROUND RA 451	9-11	47.3	2.0	1.0	1.6	1.6	32.5	53.6*	30.9
MACK	9-10	37.7	2.2	2.0	3.0	3.0	32.1	41.9	28.1
CAPEHART NOBLE	9-18	36.7	1.3	1.0	--	--	31.2	48.6	--
FORREST	9-18	39.7	2.1	1.0	1.0	1.0	31.2	50.6	34.9
HARTZ 5252	9-17	40.7	2.3	1.3	1.3	1.3	31.0	49.9	32.7
COKER 355	9-17	35.7	2.1	1.3	2.0	2.0	30.9	50.8*	39.2
ASGROW A5980	9-11	45.7	3.3	1.6	3.0	3.0	30.3	49.6	33.7
CAPEHART STONE	9-25	41.3	1.7	--	--	--	29.7	--	--
HYPERFORMER SHENANDOAH	9-19	35.3	1.9	1.0	--	--	29.5	48.2	--
DELTAPINE 675	9-16	36.3	2.4	1.3	--	--	27.5	49.5	--
YIELD KING 503	9- 9	46.3	2.4	1.3	3.3	3.3	26.7	50.5	31.5
JMS 5484	9-10	39.0	2.4	--	2.3	2.3	25.0	--	30.6
EXPERIMENTAL VARIETIES									
S82-1318	9-15	33.0	1.4	--	--	--	36.5	--	--
COKER 80R-49	9-11	32.3	1.1	--	--	--	36.3	--	--
S82-3641	9-20	39.0	3.7	--	--	--	36.0	--	--
AGRATECH ATX 550	9-20	41.7	2.4	--	--	--	35.7	--	--
COKER 82-372	9-16	45.0	2.6	--	--	--	34.6	--	--
COKER 82-824	9-18	36.3	1.1	--	--	--	34.0	--	--
COKER CO 84M-671	9-18	39.7	2.6	--	--	--	33.9	--	--
FUNK M82-572403	9-17	32.3	1.4	--	--	--	32.2	--	--
S83-1188	9-20	33.7	1.8	--	--	--	26.6	--	--
Maturity Group Average	9-16	38.9	2.1	1.5	1.9	1.9	34.4	49.2	34.4
Maturity Group L.S.D. AT .05	4	4.3	0.8	0.9	1.2	1.2	6.6	5.5	7.3



TABLE 10. CONTINUED.

BRAND-VARIETY	1987		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985
	-----							
MATURITY GROUP 6								
COMMERCIAL VARIETIES								
RING AROUND RA 606	10- 6	50.6	2.2	3.3	2.3	38.5*	43.0	36.3*
DAVIS	10- 7	46.4	2.1	3.3	2.6	38.4*	49.4	33.4*
HYPERFORMER HSC BALDWIN	9-28	40.6	1.3	--	--	36.8*	--	--
BRADLEY	9-23	35.3	1.0	3.0	2.0	36.3*	47.9	31.5
TRACY M	10- 3	40.4	3.3	4.3	3.3	34.9	44.6	33.1
HYPERFORMER HSC B2J	9-28	42.1	1.6	--	--	34.1	--	--
ASGROW A6242	9-27	42.0	2.6	2.3	3.0	31.3	48.1	38.7**
YIELD KING 613	9-28	53.1	2.0	3.6	3.3	30.6	50.0	32.0
HARTZ 6130	10- 1	45.0	1.7	2.3	2.0	27.1	52.9**	37.7*
DELTAPINE 566	10- 9	41.7	2.1	4.0	1.6	27.0	50.6	32.7
YIELD KING 593	10- 1	43.5	1.4	2.3	1.6	26.2	48.8	31.4
CENTENNIAL	10- 8	46.5	1.6	3.0	--	25.3	39.4	--
DELTAPINE 726	10- 7	45.0	2.3	--	--	24.9	--	--
YIELD KING 696	10- 8	43.4	1.7	--	--	24.2	--	--
EXPERIMENTAL VARIETIES								
S82-1338	9-28	40.4	1.3	--	--	41.2**	--	--
COKER CO 82M-171	10- 3	42.9	1.6	--	--	40.3*	--	--
COKER CO 82M-212	10- 6	46.7	2.0	--	--	37.8*	--	--
HARTZ X6200	9-24	37.5	1.7	--	--	33.5	--	--
S83-1144	10- 3	36.3	1.7	--	--	31.9	--	--
MATURITY GROUP AVERAGE	10- 2	43.1	1.9	3.1	2.2	32.6	47.5	33.4
MATURITY GROUP L.S.D. AT .05	3	3.8	0.7	0.9	NS	5.8	NS	5.5
-----								
TRIAL AVERAGE		39.9	1.9	2.0	2.1	33.3	48.6	29.7
-----								

-- 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 PORTAGEVILLE ON THE DELTA RESEARCH CENTER DURING 1985-87. PLANTED: 30 APRIL 1987. HARVESTED: 24 SEPT. AND 21 OCT. 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1987		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985
	-----							
MATURITY GROUP 4								
COMMERCIAL VARIETIES								
RING AROUND RA 452	9-24	31.0	1.0	1.0	1.0	37.5**	50.1**	20.2
ASGROW A4906	9-25	28.0	1.0	--	--	30.4*	--	--
JMS 4982	9-22	25.7	1.0	--	1.6	29.1	--	22.1*
UNION	9-13	26.7	1.0	1.0	1.0	28.6	40.9	18.9
CRAWFORD	9-23	31.3	1.0	--	--	28.3	--	--
HILL	9-24	17.0	1.0	--	--	24.5	--	--
JMS 4688	9-10	20.3	1.0	--	--	23.5	--	--
HYPERFORMER STEVENS	9-14	28.7	1.0	1.3	1.0	22.2	46.8*	21.0*
DOUGLAS	9-19	20.7	1.0	1.0	1.0	21.7	38.0	11.0
DEKALB-PFIZER CX 415	9-12	24.7	1.0	--	--	20.3	--	--
NORTHROP KING S42-30	9- 8	18.7	1.0	--	--	18.5	--	--
HYPERFORMER BRAND 401	9-17	25.7	1.0	--	--	18.3	--	--
CAPEHART 4679	9-16	20.7	1.0	--	--	16.8	--	--
NORTHROP KING S42-40	9-10	19.0	1.0	--	--	16.0	--	--
MFA PV42	9-19	27.7	1.0	--	--	15.7	--	--
RIPLEY	9-10	7.7	1.0	--	--	11.4	--	--
EXPERIMENTAL VARIETIES								
COKER CO 83L-18	9-23	30.3	1.0	--	--	32.2*	--	--
COKER CO 84M-634	9-24	17.7	1.0	--	--	28.1	--	--
S81-2203	9-18	26.7	1.0	1.0	--	22.3	40.6	--
S83-1014	9-23	15.0	1.0	--	--	17.7	--	--
S82-1443	9-25	19.0	1.0	--	--	15.0	--	--
MATURITY GROUP AVERAGE	9-18	23.0	1.0	1.1	1.1	22.8	43.0	16.3
MATURITY GROUP L.S.D. AT .05	5	5.6	NS	0.5	0.8	8.3	7.3	9.5
MATURITY GROUP 5								
COMMERCIAL VARIETIES								
ASGROW A5980	10- 8	27.3	1.0	1.0	1.3	35.7**	52.2**	43.8**
BEDFORD	10- 6	28.3	1.0	1.0	2.0	32.0*	45.6*	34.8
CAPEHART STONE	10-14	24.0	1.0	--	--	30.7*	--	--
CAPEHART NOBLE	10-13	20.7	1.0	1.0	--	28.5*	45.0*	--
DELTAPINE 105	10-11	25.3	1.0	1.0	1.3	27.5*	42.9	39.1*
RING AROUND RA 451	10- 1	23.3	1.0	1.0	1.0	26.5	46.8*	25.1
AGRATECH AT 575	10-10	22.7	1.0	--	--	26.5	--	--
NATHAN	9-25	26.0	1.0	1.0	2.0	25.0	37.0	32.1
AVERY	9-25	31.0	1.0	1.3	--	23.3	46.9*	--
ASGROW A5474	10- 3	21.7	1.0	1.0	1.0	23.3	42.1	35.1
FORREST	10- 9	20.7	1.0	1.0	1.0	23.1	48.1*	35.2
YIELD KING 503	10- 1	25.7	1.0	1.0	1.0	23.1	49.0*	27.5
DELTAPINE 415	9-30	21.0	1.0	1.0	--	22.5	32.7	--
MACK	10- 3	20.7	1.0	1.3	3.6	22.2	34.9	31.3
NORTHROP KING S53-34	10- 5	18.7	1.0	--	--	21.6	--	--
HARTZ 5370	10- 8	20.3	1.0	1.0	1.6	21.6	40.9	36.1*
HARTZ 5164	10- 7	19.3	1.0	1.0	--	21.2	51.4*	--
PIONEER VARIETY 9581	10- 6	20.7	1.0	1.0	--	20.3	52.0*	--
COKER 485	10-12	23.0	1.0	1.0	1.6	19.5	46.9*	35.2
COKER 355	10- 6	19.3	1.0	1.0	1.0	18.9	46.6*	31.3
ESSEX	9-29	18.0	1.0	1.0	1.0	18.4	26.5	24.8
HARTZ 5171	10-12	21.0	1.0	1.0	1.3	18.0	43.5	34.0
YIELD KING 577	10- 6	20.3	1.0	1.0	--	17.8	49.1*	--
CAPEHART 5646	10- 6	20.7	1.0	--	--	17.5	--	--
PERSHING	9-29	17.0	1.0	1.0	1.0	16.8	32.4	26.2
JMS 5484	10- 8	21.0	1.0	--	1.3	15.6	--	28.8
PIONEER VARIETY 5482	10- 2	15.7	1.0	1.0	1.0	12.6	43.9*	29.1
HARTZ 5252	10- 8	19.3	1.0	1.0	1.3	12.4	44.9*	30.0
BAY	10- 1	19.0	1.0	1.0	1.0	11.8	38.2	31.7
COKER 425	9-29	18.7	1.0	1.0	1.0	11.4	29.4	26.5
DELTAPINE 675	10- 8	18.7	1.0	1.0	--	11.2	44.2*	--
HYPERFORMER SHENANDOAH	10- 9	17.0	1.0	1.0	--	10.0	45.4*	--
PIONEER VARIETY 9531	9-26	17.7	1.0	1.0	1.3	8.9	40.2	34.8
EXPERIMENTAL VARIETIES								
COKER 82-372	10- 8	26.7	1.0	--	--	31.7*	--	--
COKER CO 84M-671	10-14	24.7	1.0	--	--	28.6*	--	--
S82-3641	10- 5	23.7	1.0	--	--	25.6	--	--
COKER 82-824	10- 4	22.0	1.0	--	--	20.0	--	--
FUNK M82-572403	10- 5	18.7	1.0	--	--	17.7	--	--
S83-1188	10- 7	21.3	1.0	--	--	15.7	--	--
AGRATECH ATX 550	10- 6	19.7	1.0	--	--	11.6	--	--
S82-1318	9-30	20.0	1.0	--	--	8.9	--	--
COKER 80R-49	9-28	15.0	1.0	--	--	7.6	--	--
MATURITY GROUP AVERAGE	10- 5	21.3	1.0	1.0	1.3	20.1	42.0	32.2
MATURITY GROUP L.S.D. AT .05	3	4.4	NS	0.2	0.7	8.3	8.6	8.4

TABLE 11. CONTINUED.

BRAND-VARIETY	1987		LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)	1987	1986	1985	1987	1986	1985
	-----							
MATURITY GROUP 6								
COMMERCIAL VARIETIES								
DELTAPINE 566	10-28	37.2	1.0	1.3	1.0	38.8**	35.7	36.9
DAVIS	10-20	38.5	2.1	1.0	1.0	35.2*	36.9	38.8*
CENTENNIAL	10-27	34.0	1.0	1.0	--	33.7*	36.0	--
TRACY M	10-24	38.6	2.7	1.3	2.7	33.5*	51.5*	38.7*
YIELD KING 696	10-26	34.7	1.0	--	--	30.3	--	--
DELTAPINE 726	10-27	36.5	1.3	--	--	29.9	--	--
HARTZ 6130	10-19	32.5	1.7	1.0	1.3	29.1	52.9**	39.8*
RING AROUND RA 606	10- 9	35.9	1.0	1.0	1.7	27.0	43.1*	41.6**
BRADLEY	10-12	25.4	1.0	1.0	1.7	26.4	43.2*	31.6
ASGROW A6242	10-17	27.6	1.0	1.0	1.6	23.3	50.4*	41.1*
YIELD KING 593	10-22	28.6	1.0	1.0	1.0	24.1	37.1	38.6*
HYPERFORMER HSC B2J	10-16	27.2	1.3	--	--	22.0	--	--
HYPERFORMER HSC BALDWIN	10-16	30.5	1.0	--	--	20.3	--	--
YIELD KING 613	10-14	31.4	1.0	1.0	1.2	18.3	44.5*	29.4
EXPERIMENTAL VARIETIES								
S82-1338	10- 9	29.4	1.7	--	--	25.4	--	--
COKER CO 82M-171	10-22	32.5	1.0	--	--	31.7*	--	--
COKER CO 82M-212	10-19	29.6	1.0	--	--	24.2	--	--
HARTZ X6200	10-14	23.9	1.0	--	--	23.6	--	--
S83-1144	10-25	25.1	1.0	--	--	20.3	--	--
MATURITY GROUP AVERAGE	10-19	31.5	1.3	1.1	1.4	27.2	43.1	36.8
MATURITY GROUP L.S.D. AT .05	8	5.0	0.5	0.6	1.0	7.3	10.1	4.6
-----								
TRIAL AVERAGE		24.1	1.1	1.0	1.3	22.4	42.4	28.8
-----								

-- 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 12. PERFORMANCE OF SOYBEAN VARIETIES EVALUATED AT TWO SOUTHEAST MISSOURI LOCATIONS (ORAN AND PORTAGEVILLE) DURING 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	ORAN	PORTAGEVILLE	MEAN	ORAN	PORTAGEVILLE	MEAN
MATURITY GROUP 4						
COMMERCIAL VARIETIES						
RING AROUND RA 452	1.3	1.0	1.2	36.0	37.5**	36.8*
ASGROW A4906	1.0	1.0	1.0	34.9	30.4*	32.6*
JMS 4982	2.3	1.0	1.6	33.1	29.1	31.1
CRAWFORD	1.7	1.0	1.4	31.7	28.3	30.0
JMS 4688	1.7	1.0	1.4	35.7	23.5	29.6
UNION	1.7	1.0	1.4	29.1	28.6	28.8
DEKALB-PFIZER CX 415	1.0	1.0	1.0	37.3*	20.3	28.8
NORTHROP KING S42-30	1.0	1.0	1.0	35.9	18.5	27.2
CAPEHART 4679	1.3	1.0	1.2	36.6*	16.8	26.7
MFA PV42	1.3	1.0	1.2	37.3*	15.7	26.5
DOUGLAS	1.0	1.0	1.0	29.6	21.7	25.6
HILL	1.3	1.0	1.2	24.7	24.5	24.6
HYPERFORMER STEVENS	1.7	1.0	1.4	24.4	22.2	23.3
HYPERFORMER BRAND 401	2.3	1.0	1.6	26.8	18.3	22.6
NORTHROP KING S42-40	1.0	1.0	1.0	29.1	16.0	22.6
RIPLEY	1.0	1.0	1.0	18.5	11.4	15.0
EXPERIMENTAL VARIETIES						
COKER CO 83L-18	2.7	1.0	1.8	42.0**	32.2*	37.1**
COKER CO 84M-634	2.3	1.0	1.6	27.7	28.1	27.9
S82-1443	1.3	1.0	1.2	38.8*	15.0	26.9
S81-2203	2.0	1.0	1.5	29.3	22.3	25.8
S83-1014	1.0	1.0	1.0	30.2	17.7	24.0
MATURITY GROUP AVERAGE	1.5	1.0	1.3	31.8	22.8	27.3
MATURITY GROUP L.S.D. AT .05	0.8	NS	0.4	5.5	8.3	5.1
MATURITY GROUP 5						
COMMERCIAL VARIETIES						
BEDFORD	3.4	1.0	2.2	36.5	32.0*	34.2**
ASGROW A5980	3.3	1.0	2.2	30.3	35.7**	33.0*
AGRATECH AT 575	2.6	1.0	1.8	37.7	26.5	32.1*
DELTAPINE 415	1.5	1.0	1.2	41.5*	22.5	32.0*
DELTAPINE 105	2.4	1.0	1.7	35.2	27.5*	31.4*
NATHAN	2.4	1.0	1.7	36.9	25.0	31.0*
CAPEHART STONE	1.7	1.0	1.4	29.7	30.7*	30.2*
CAPEHART NOBLE	1.3	1.0	1.2	31.2	28.5*	29.8*
AVERY	3.1	1.0	2.0	36.1	23.3	29.7*
RING AROUND RA 451	2.0	1.0	1.5	32.5	26.5	29.5*
NORTHROP KING S53-34	1.0	1.0	1.0	36.8	21.6	29.2*
COKER 485	2.7	1.0	1.8	38.6*	19.5	29.0*
PIONEER VARIETY 9581	2.6	1.0	1.8	36.3	20.3	28.3
COKER 425	1.0	1.0	1.0	45.2**	11.4	28.3
ASGROW A5474	1.2	1.0	1.1	33.1	23.3	28.2
HARTZ 5370	2.3	1.0	1.6	34.3	21.6	28.0
HARTZ 5164	3.3	1.0	2.2	34.9	21.2	28.0
PIONEER VARIETY 5482	1.0	1.0	1.0	42.5*	12.6	27.6
MACK	2.2	1.0	1.6	32.1	22.2	27.2
FORREST	2.1	1.0	1.6	31.2	23.1	27.2
YIELD KING 577	3.1	1.0	2.0	36.6	17.8	27.2
CAPEHART 5646	2.0	1.0	1.5	35.7	17.5	26.6
PERSHING	1.0	1.0	1.0	36.5	16.8	26.6
ESSEX	1.0	1.0	1.0	34.1	18.4	26.2
HARTZ 5171	3.0	1.0	2.0	33.9	18.0	26.0
PIONEER VARIETY 9531	1.0	1.0	1.0	42.1*	8.9	25.5
COKER 355	2.1	1.0	1.6	30.9	18.9	24.9
YIELD KING 503	2.4	1.0	1.7	26.7	23.1	24.9
BAY	1.4	1.0	1.2	36.8	11.8	24.3
HARTZ 5252	2.3	1.0	1.6	31.0	12.4	21.7
JMS 5484	2.4	1.0	1.7	25.0	15.6	20.3
HYPERFORMER SHENANDOAH	1.9	1.0	1.4	29.5	10.0	19.8
DELTAPINE 675	2.4	1.0	1.7	27.5	11.2	19.4
EXPERIMENTAL VARIETIES						
COKER 82-372	2.6	1.0	1.8	34.6	31.7*	33.2*
COKER CO 84M-671	2.6	1.0	1.8	33.9	28.6*	31.2*
S82-3641	3.7	1.0	2.4	36.0	25.6	30.8*
COKER 82-824	1.1	1.0	1.0	34.0	20.0	27.0
FUNK M82-572403	1.4	1.0	1.2	32.2	17.7	25.0
AGRATECH ATX 550	2.4	1.0	1.7	35.7	11.6	23.6
S82-1318	1.4	1.0	1.2	36.5	8.9	22.7
COKER 80R-49	1.1	1.0	1.0	36.3	7.6	22.0
S83-1188	1.8	1.0	1.4	26.6	15.7	21.2
MATURITY GROUP AVERAGE	2.1	1.0	1.5	34.4	20.1	27.2
MATURITY GROUP L.S.D. AT .05	0.8	NS	0.4	6.6	8.3	5.2

TABLE 12. CONTINUED.

BRAND-VARIETY	LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	ORAN	PORTAGEVILLE	MEAN	ORAN	PORTAGEVILLE	MEAN
MATURITY GROUP 6						
COMMERCIAL VARIETIES						
DAVIS	2.1	2.1	2.1	38.4*	35.2*	36.8**
TRACY M	3.3	2.7	3.0	34.9	33.5*	34.2*
DELTAPINE 566	2.1	1.0	1.6	27.0	38.8**	32.9*
RING AROUND RA 606	2.2	1.0	1.6	38.5*	27.0	32.8*
BRADLEY	1.0	1.0	1.0	36.3*	26.4	31.4
CENTENNIAL	1.6	1.0	1.3	25.3	33.7*	29.5
HYPERFORMER HSC BALDWIN	1.3	1.0	1.2	36.8*	20.3	28.6
HARTZ 6130	1.7	1.7	1.7	27.1	29.1	28.1
HYPERFORMER HSC B2J	1.6	1.3	1.4	34.1	22.0	28.0
DELTAPINE 726	2.3	1.3	1.8	24.9	29.9	27.4
ASGROW A6242	2.6	1.0	1.8	31.3	23.3	27.3
YIELD KING 696	1.7	1.0	1.4	24.2	30.3	27.2
YIELD KING 593	1.4	1.0	1.2	26.2	24.1	25.2
YIELD KING 613	2.0	1.0	1.5	30.6	18.3	24.4
EXPERIMENTAL VARIETIES						
COKER CO 82M-171	1.6	1.0	1.3	40.3*	31.7*	36.0*
S82-1338	1.3	1.7	1.5	41.2**	25.4	33.3*
COKER CO 82M-212	2.0	1.0	1.5	37.8*	24.2	31.0
HARTZ X6200	1.7	1.0	1.4	33.5	23.6	28.6
S83-1144	1.7	1.0	1.4	31.9	20.3	26.1
MATURITY GROUP AVERAGE	1.9	1.3	1.6	32.6	27.2	29.9
MATURITY GROUP L.S.D. AT .05	0.7	0.5	0.4	5.8	7.3	4.3
TRIAL AVERAGE	1.9	1.1	1.5	33.3	22.4	27.9

\*\* 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 CLARKTON ON THE DELTA RESEACH CENTER  
 RHODES FARM IN 1987.  
 PLANTED: 28 APRIL 1987. HARVESTED: 24 SEPT. AND 21 OCT. 1987. PLANTING RATE: 9 SEEDS/FT.

BRAND-VARIETY	1987			LODGING SCORE(1-5)			YIELD (BU/ACRE)		
	MATU- RITY DATE	PLANT HEIGHT (IN)		1987	1986	1985	1987	1986	1985
MATURITY GROUP 4									
COMMERCIAL VARIETIES									
CRAWFORD	9-20	22.7	1.0	--	--	--	8.4	--	--
HILL	9-22	16.7	1.0	--	--	--	7.1	--	--
DOUGLAS	9- 8	16.3	1.0	--	--	--	4.1	--	--
EXPERIMENTAL VARIETIES									
COKER CO 83L-18	9-22	27.7	1.0	--	--	--	27.7**	--	--
S81-2203	9-10	22.0	1.0	--	--	--	16.4	--	--
McCURDY S420	9- 8	20.0	1.0	--	--	--	13.4	--	--
COKER CO 84M-634	9-18	18.3	1.0	--	--	--	12.6	--	--
JACQUES E8644	9- 7	19.0	1.0	--	--	--	10.8	--	--
S82-1443	9-19	15.7	1.0	--	--	--	10.3	--	--
S83-1014	9-19	12.0	1.0	--	--	--	5.3	--	--
McCURDY S427	9- 7	12.0	1.0	--	--	--	3.7	--	--
MATURITY GROUP AVERAGE	9-15	18.4	1.0				10.9		
MATURITY GROUP L.S.D. AT .05	4	6.7	NS				8.2		
MATURITY GROUP 5									
COMMERCIAL VARIETIES									
BEDFORD	10- 3	21.0	1.0	--	--	--	18.9**	--	--
DELTAPINE 675	10- 9	19.7	1.0	--	--	--	18.2*	--	--
AVERY	9-22	31.3	1.0	--	--	--	9.9	--	--
CAPEHART 5646	9-30	20.3	1.0	--	--	--	9.8	--	--
NATHAN	9-21	21.0	1.0	--	--	--	7.6	--	--
PIONEER VARIETY 9581	9-28	13.7	1.0	--	--	--	5.1	--	--
DELTAPINE 105	10- 6	12.0	1.0	--	--	--	4.5	--	--
AGRATECH AT 575	10- 3	17.3	1.0	--	--	--	2.9	--	--
FORREST	10- 1	13.3	1.0	--	--	--	2.5	--	--
BAY	9-27	11.0	1.0	--	--	--	2.3	--	--
PIONEER VARIETY 9531	9-20	16.0	1.0	--	--	--	1.8	--	--
MACK	9-29	12.3	1.0	--	--	--	1.7	--	--
DELTAPINE 415	9-27	11.3	1.0	--	--	--	1.5	--	--
EXPERIMENTAL VARIETIES									
COKER CO 84M-671	10- 5	16.0	1.0	--	--	--	10.4	--	--
S82-3641	9-29	18.3	1.0	--	--	--	9.4	--	--
AGRATECH ATX 550	10- 4	18.3	1.0	--	--	--	9.4	--	--
S83-1188	10- 3	17.0	1.0	--	--	--	6.3	--	--
MADISON MSR-EXP 151032	9-26	14.3	1.0	--	--	--	6.0	--	--
FUNK M82-572403	9-26	16.7	1.0	--	--	--	2.8	--	--
S82-1318	9-27	18.0	1.0	--	--	--	2.0	--	--
MATURITY GROUP AVERAGE	10- 1	16.9	1.0				6.7		
MATURITY GROUP L.S.D. AT .05	3	7.3	NS				6.9		
MATURITY GROUP 6									
COMMERCIAL VARIETIES									
DELTAPINE 726	10-32	22.6	1.0	--	--	--	14.0	--	--
CENTENNIAL	10-32	21.2	1.0	--	--	--	8.2	--	--
BRADLEY	10- 9	17.4	1.0	--	--	--	5.3	--	--
EXPERIMENTAL VARIETIES									
MADISON MSR-EXP 161002	10-27	22.4	1.0	--	--	--	19.5**	--	--
COKER CO 82M-212	10-20	24.5	1.0	--	--	--	15.4*	--	--
COKER CO 82M-171	10-21	22.5	1.0	--	--	--	9.7	--	--
S82-1338	10- 4	16.9	1.0	--	--	--	5.0	--	--
S83-1144	10-26	13.9	1.0	--	--	--	3.6	--	--
MATURITY GROUP AVERAGE	10-21	20.2	1.0				10.1		
MATURITY GROUP L.S.D. AT .05	4	3.9	NS				4.4		
-----									
TRIAL AVERAGE		18.0	1.0				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. CHARACTERISTICS OF SOYBEAN VARIETIES AND BLENDS\*

BRAND/VARIETY	VARIETY OR BLEND	EXPERIMENTAL VARIETY	MATURITY GROUP	COLOR				CYST NEMATODE	PHYTO-PHTHORA ROOT ROT	SENCOR INJURY
				FLOWER	POD	PUBESCENCE	HILUM			
COMMERCIAL VARIETIES OR BLENDS										
AGRATECH AT575	V	NO	5	W	TN	G	BF	-	T	T
AGRATECH ATX550	V	YES	5	P	TN	TW	BL	R	T	T
AGRIPRO EX 3878	V	YES	3	P	BR	G	IBL	-	T	S
AGRIPRO AP 3977	V	NO	3	W	TN	TW	BL	-	T	S
AGRIPRO AP 4321	V	NO	4	P	TN	TW	BL	-	T	S
AMERICANA MARINER	V	NO	2	P	BR	G	Y	S	S	T
AMERICANA SENTRY	V	NO	3	W	TN	BR	BL	S	T	T
AMERICANA ATLANTIS	V	NO	3	W	BR	TW	BL	S	T	T
AMERICANA TAURUS	V	NO	3	M	BR	TW	BL	S	T	T
AMERICANA B566	V	YES	4	P	BR	TW	BR	S	T	T
AMERICANA B567	V	YES	4	P	TN	G	BF	S	T	T
AMERICANA B580	V	YES	3	P	BR	G	Y	S	T	-
AMERICANA B576	V	YES	3	W	TN	G	BF	S	R	T
ASGROW A3427	V	NO	3	P	TN	TW	BL	S	R	T
ASGROW A3733	V	NO	3	P	TN	TW	BL	S	R	T
ASGROW A3803	V	NO	3	W	TN	TW	BL	S	R	T
ASGROW A3935	V	NO	3	P	BR	TW	BL	S	S	T
ASGROW A4393	V	NO	4	P	TW	TW	BL	S	S	T
ASGROW A4595	V	NO	4	W	TN	TW	BL	S	R	T
ASGROW A4906	V	NO	4	P	BR	G	GR	S	R	T
ASGROW A5474	V	NO	5	W	BR	TW	BL	R	R	T
ASGROW A5980	V	NO	5	P	TN	TW	BL	R	S	T
ASGROW A6242	V	NO	6	P	BR	TW	BL	R	S	T
BIN-BUSTER 2260	V	NO	2	-	-	-	-	-	-	-
BIN-BUSTER 3452	V	NO	3	-	-	-	-	-	-	-
BIN-EUSTER 3682	V	NO	3	-	-	-	-	-	-	-
BIN-BUSTER 4279	V	NO	4	-	-	-	-	-	-	-
BRAD 29	V	NO	2	W	TN	G	Y	-	R	-
CAPEHART 4679	V	NO	4	W	TN	BR	BL	S	S	T
CAPEHART 5646	V	NO	5	W	TN	BR	BL	T	T	T
CAPEHART STONE	V	NO	5	W	TN	G	BF	S	S	T
CAPEHART NOBLE	V	NO	5	W	TN	G	BF	S	S	T
CFS 320	V	NO	3	P	BR	TN	BL	-	T	-
CFS 360	V	NO	3	W	BR	TW	TN	-	T	-
COKER 6592	V	NO	2	W	BR	G	Y	-	T	T
COKER 355	V	NO	5	P	BR	TW	BL	R	S	T
COKER 393	V	NO	3	P	TN	TW	BL	S	T	T
COKER 425	V	NO	5	P	TN	TW	BL	S	T	T
COKER 485	V	NO	5	P	TN	TW	BL	R	T	T
COKER 81R-59	V	YES	4	P	TN	TW	BL	-	-	T
COKER 82-372	V	YES	5	W	TN	TW	BL	R	R	S
COKER 82-824	V	YES	5	W	TN	TW	BL	R	-	T
COKER 80R-49	V	YES	5	P	TN	TW	BL	R	R	T
COKER 82M-212	V	YES	6	P	TN	G	IBL	R	-	-
COKER 82M-171	V	YES	6	W	TN	TW	BR	R	-	-
COKER 84M-671	V	YES	5	P	TN	TW	BL	R	-	-
COKER 84M-634	V	YES	4	P	TN	TW	BR	R	-	-
COKER 83L-18	V	YES	4	P	TN	TW	BR	R	-	-
COKER 83L-505	V	YES	3	-	-	-	-	-	-	-
DEKALB-PFIZER CX366	V	NO	3	P	TN	BR	BL	S	R	-
DEKALB-PFIZER CX415	V	NO	4	W	TN	BR	IBL	S	R	-
DELTAPINE 105	V	NO	5	P	TN	G	IBL	-	T	T
DELTAPINE 415	V	NO	5	W	TN	G	TN	R	T	T
DELTAPINE 566	V	NO	6	W	TN	TW	BL	-	R	T
DELTAPINE 675	V	NO	5	W	TN	TW	BR	R	R	T
DELTAPINE 726	V	NO	6	P	TN	TW	BL	R	R	T
DIAMOND BRAND D245	V	NO	2	P	-	G	Y	-	R	T
DIAMOND BRAND D280B	B	NO	2	P,W	-	G	Y	-	S	T
DIAMOND BRAND D315	V	NO	3	W	-	G	BF	-	T	T
DIAMOND BRAND D320B	B	NO	3	P,W	-	TW,G	BL,BF	-	T	T
DIAMOND BRAND D301	V	YES	3	M	-	TW	BL	-	T	-
DIAMOND BRAND D305	V	YES	3	P	-	TW	BR	-	-	-
DIAMOND BRAND DX86-1304	V	YES	3	P	TN	G	IBL	-	T	-
DIAMOND BRAND DX86-1305	V	YES	3	M	TN	TW	BL	-	R	-
DIAMOND BRAND DX86-1306	V	YES	3	P	BR	TW	BL	-	T	-
DIAMOND BRAND DX87-3301	V	YES	3	W	BR	G	IBL	-	-	-
DOUBLE SS 2900	V	NO	2	W	TN	G	Y	-	S	-
DOUBLE SS 3285	V	NO	3	P	BR	BR	BL	-	S	-
DOUBLE SS 3900	V	NO	3	P	BR	G	IBL	-	S	-
DOUBLE SS 4500	V	NO	4	W	BR	BR	BL	-	S	-
ESCO B2	V	NO	4	-	TN	G	IBL	-	-	-
ESCO B3	V	NO	4	-	TN	TW	BL	-	-	-
FONTANELLE 5708	V	NO	2	W	TW	BR	BL	-	T	-
FONTANELLE 6161	V	NO	2	P	G	G	BR	-	T	-
FONTANELLE 6464	V	NO	2	P	TN	TN	BL	-	T	-
FONTANELLE 6540	V	NO	3	P	BR	BR	BR	-	T	-
FORTUNE 666	V	NO	3	P	BR	BR	BL	-	T	-
FORTUNE 777	V	NO	3	W	TN	BR	BL	-	T	-
FUNK M82-572403	V	YES	5	W	TN	G	BR	R	R	S

TABLE 14. CONTINUED.

BRAND/VARIETY	VARIETY OR BLEND	EXPERI- MENTAL VARIETY	MAT- URITY GROUP	COLOR				CYST NEMATODE	PHYTO- PHTHORA ROOT ROT	SENCOR INJURY
				FLOWER	POD	PUBESCENCE	HILLUM			
GOLDEN HARVEST H-1483	V	NO	4	P	G	TN	BF	-	S	-
GOLDEN HARVEST X430	V	YES	4	P	TW	TN	BR	-	R	-
GOLDEN HARVEST X391	V	YES	3	P	G	TN	GR	-	S	-
HARTZ 5171	V	NO	5	W	TN	G	BF	R	T	T
HARTZ 5252	V	NO	5	P	TN	TW	BL	R	R	T
HARTZ 5370	V	NO	5	W	TN	TW	BL	R	R	T
HARTZ 6130	V	NO	6	P	TN	TW	BL	R	T	T
HARTZ 5164	V	NO	5	W	TN	TW	BL	R	T	T
HARTZ X6200	V	YES	6	P	TN	TW	BL	R	R	T
HILL HS 4050	B	NO	3	P	G	G	IBL	-	T	T
HILL HS 4150	B	NO	3	P	G	G	IBL	-	T	T
HILL HS 3000	V	NO	2	P	TW	TW	BR	-	T	T
HILL HS 2850	V	NO	2	P	G	G	Y	-	T	T
HILL HS 3300	V	NO	3	W	BR	G	BF	-	T	T
HILL EX 347	V	YES	3	P	TN	TW	BR	-	T	T
HILL EX 417	V	YES	4	P	BR	G	BF	-	R	S
HOFLEER GEM II	V	NO	2	P	BR	TN	BL	-	R	-
HOFLEER CORAL	V	NO	3	P	BR	TN	BR	-	T	-
HOFLEER CRYSTAL	V	NO	3	W	BR	TW	BL	-	R	-
HOFLEER GEM	V	NO	2	P	BR	G	Y	-	S	-
HOFLEER JASPER	V	NO	4	P	BR	TN	BR	-	T	-
HOFLEER QUARTZ	V	NO	4	P	BR	TN	BR	-	S	-
HOFLEER SUNSTONE	V	NO	3	P	BR	G	Y	-	T	-
HOFLEER EXP 1987-3	V	YES	4	P	TN	TN	BR	-	R	-
HYPERFORMER STEVENS	V	NO	4	P	BR	G	BF	-	T	-
HYPERFORMER SHENANDOAH	V	NO	5	W	BR	G	BR	-	T	-
HYPERFORMER BRAND 401	V	NO	4	P	TN	G	BF	-	S	-
HYPERFORMER HSC B2J	V	NO	6	P	-	TW	BL	R	-	-
HYPERFORMER HSC BALDWIN	V	NO	6	P	-	TW	BL	R	-	-
JACQUES J-361	V	NO	3	P	TN	G	G	-	T	-
JACQUES J-130	V	NO	4	P	BR	G	BF	-	S	-
JACQUES J-431	V	NO	4	P	BR	G	G	-	R	-
JACQUES E 8744	V	YES	4	P	TN	G	BF	-	S	-
JACQUES E 8644	V	YES	4	P	BR	G	IBL	R	R	T
JACQUES E 8737	V	YES	3	W	TN	TW	BR	-	R	-
JMS 2987	V	NO	2	W	G	G	Y	-	T	-
JMS 3186	V	NO	3	P	G	G	Y	-	T	-
JMS 3788	V	NO	3	P, W	TN	TW	BR	-	T	-
JMS 4383	V	NO	4	W	TN	TW	BR	-	R	T
JMS 4688	V	NO	4	P	TN	TW	BR	-	T	-
JMS 4982	V	NO	4	P	TN	TW	BR	-	S	T
JMS 5484	V	NO	5	W	TN	TW	BL	T	T	T
JMS 4288	V	NO	4	P, W	TN	TW	G	-	T	-
KELLER KNOX	V	NO	2	P	BR	G	Y	-	S	-
KELLER K-934	V	YES	4	P	BR	TN	BR	-	T	-
KING CITY CYPRESS	V	NO	3	W	TN	BR	BL	T	R	S
KING CITY ASPEN	V	NO	2	W	TN	G	Y	T	R	S
LEWIS SEEDS CYPRESS	V	NO	3	W	TN	BR	BL	T	R	S
LEWIS SEEDS ASPEN	V	NO	2	W	TN	G	Y	T	R	S
LEWIS 297	V	NO	2	P	BR	G	G	-	T	S
LEWIS 300	V	NO	3	P	BR	G	Y	-	T	S
LEWIS 367	V	NO	3	M	TN	TN	BR	-	T	S
LYNKS LX 8280	V	NO	2	P	BR	G	Y	-	T	-
LYNKS LX 8307	V	NO	3	P	BR	G	Y	-	T	-
LYNKS LX 8393	V	NO	3	P	BR	TW	BR	-	T	-
LYNKS LX 8405	V	NO	4	W	BR	TW	BR	-	T	-
MADISON MSR-EXP 151032	V	YES	5	P	TW	TW	BL	R	-	-
MADISON MSR-EXP 161002	V	YES	6	P	TW	TW	BL	R	-	-
MASCO MARQUIS	V	NO	3	W	TN	TW	BL	-	T	T
MASCO TANGO	B	NO	3	M	TN	TW	M	-	R	T
MASCO 8604	V	NO	3	P	BR	G	Y	-	T	T
McCUBBIN CARSON	V	NO	4	P	TN	G	BF	-	S	S
McCUBBIN WINDSOR	V	NO	3	P	BR	TW	TN	-	S	S
McCUBBIN ALBANY II	V	NO	4	P	TN	TW	BR	-	S	S
McCUBBIN TAYLOR	V	NO	2	P	BR	G	Y	-	S	S
McCUBBIN TROY	V	NO	3	P	BR	G	IBL	-	S	S
McCUBBIN EX 47702	V	YES	4	W	BR	TW	BL	-	S	S
McCUBBIN EX 80610	V	YES	4	P	BR	TW	BR	-	S	S
McCUBBIN EX 37998	V	YES	3	P	BR	TW	BR	-	S	S
McCURDY 375B	B	NO	3	P, W	BR	M	M	-	R	T
McCURDY 3605	V	NO	3	P, W	BR	TW	BR	-	R	T
McCURDY 3033	V	NO	2	P	BR	G	Y	-	S	T
McCURDY S427	V	YES	4	W	BR	TW	-	-	-	T
McCURDY S420	V	YES	4	-	-	-	-	-	-	-
MERSCHMAN ATLANTA II	V	NO	4	P	TN	TW	BR	S	T	T
MERSCHMAN CHEYENNE III	V	NO	2	P	BR	G	Y	S	S	T
MERSCHMAN DALLAS	V	NO	4	P	TN	G	BF	S	T	T
MERSCHMAN DENVER III	B	NO	4	P	TN	TW, G	BF, BR	S	T	T
MERSCHMAN EISENHOWER	V	NO	3	W	BR	G	Y, BF	S	T	T
MERSCHMAN HARRIS	V	NO	4	W	BR, TN	G, TW	Y, BF, BR	S	T	T
MERSCHMAN HOOVER	B	NO	3	P, W	BR	TW	BR	S	T	T
MERSCHMAN JEFF. VI	B	NO	3	P, W	BR	G, TN	BR, Y	S	T	T



TABLE 14. CONTINUED.

BRAND/VARIETY	VARIETY OR BLEND	EXPERI-MENTAL VARIETY	MAT-URITY GROUP	COLOR				CYST NEMATODE	PHYTO-PHTHORA ROOT ROT	SENCOR INJURY
				FLOWER	POD	PUBESCENCE	HILLUM			
MERSCHMAN JEFF. IV	B	NO	3	P, W	BR	G, TW	BR, IBL	S	T	T
MERSCHMAN JEFF. V	B	NO	3	W	BR	TN, TW	BR	S	T	T
MERSCHMAN KENNEDY	V	NO	3	P	BR	G	IBL	S	T	T
MERSCHMAN KENNEDY II	V	NO	3	W	BR	TW	BR	S	T	T
MERSCHMAN MEMPHIS II	B	NO	4	P, W	TN	TW	BR	S	T	T
MERSCHMAN MONROE II	B	NO	3	P, W	BR, TN	TN, TW	BR	S	T	T
MERSCHMAN TRUMAN II	V	NO	3	W	BR	TN	BR	S	T	T
MERSCHMAN WASH. VI	V	NO	3	P, W	TN	TW	BR	S	T	T
MERSCHMAN WILLIAMSBURG	V	NO	3	W	TN	TW	BL	S	T	T
MFA PV42	V	NO	4	P	TN	BR	BR	-	T	T
MIDWEST OILSEEDS EX3950	V	YES	3	-	BR	TW	BR	-	T	T
MIDWEST OILSEEDS EX4990	V	YES	4	-	BR	TW	BL	-	T	T
NECO 1100	V	NO	3	W	TN	BF	BR	S	T	T
NECO 1280	V	NO	4	P	TN	BL	BR	S	T	T
NECO 1000	V	NO	3	P	BR	BR	G	S	T	T
NECO 1350	V	NO	4	W	G	G	BR	S	T	T
NECO 1500	V	NO	5	P	TN	TW	BL	R	T	T
NECO B-4	B	NO	4	W	G	G	BR	S	T	T
NECO B-3	B	NO	3	W, P	TN, BR	BR	BL	S	T	-
NECO 850	V	NO	3	-	-	-	-	-	-	-
NORTHRUP-KING S39-99	V	NO	3	P	BR	G	G	S	R	T
NORTHRUP-KING S42-30	V	NO	4	P	TN	TW	BL	S	S	T
NORTHRUP-KING S42-40	V	NO	4	P	TN	TW	BL	S	S	T
NORTHRUP-KING S33-45	V	NO	3	P	BR	G	Y	S	R	T
NORTHRUP-KING S44-77	V	NO	4	P	TN	G	BF	S	R	T
NORTHRUP-KING S53-34	V	NO	5	-	-	-	-	-	-	-
PIONEER 9331	V	NO	3	P	TN	TW	BL	-	R	T
PIONEER 9292	V	NO	2	P	BR	TW	BR	-	S	T
PIONEER 9361	V	NO	3	P	TN	TW	BL	-	S	T
PIONEER 9441	V	NO	4	W	TN	TW	BL	-	S	T
PIONEER 9391	V	NO	3	P	TN	TW	BL	-	R	T
PIONEER 9442	V	NO	4	P	TN	TW	BL	-	S	T
PIONEER 9531	V	NO	5	P	-	TW	BL	R	S	-
PIONEER 5482	V	NO	5	W	-	TW	BL	S	T	-
PIONEER 9581	V	NO	5	W	TN	TW	BL	R	T	-
PRIZE 622	V	NO	3	-	-	-	-	-	-	-
PRIZE 623	V	NO	3	-	-	-	-	-	-	-
PRIZE 624	V	NO	4	-	-	-	-	-	-	-
PRIZE 828	V	NO	4	-	-	-	-	-	-	-
RANDELL HAWK	V	NO	3	P	TN	BR	IBL	-	T	T
RANDELL MAHASKA	V	NO	2	P	TN	TW	BL	-	R	T
RANDELL 3030	V	NO	3	-	TN	BR	-	-	T	-
RANDELL 3040	V	NO	3	P	BR	G	IBL	-	T	-
RANDELL EXP 1	V	YES	3	-	-	-	-	-	-	-
RAY-CARROLL CARROLL 2	V	NO	3	P	TN	G	G	-	T	-
RAY-CARROLL CHARITON	V	NO	4	P	TN	G	BF	-	T	-
RAY-CARROLL SUMNER	V	NO	3	W	TN	G	Y	-	T	-
RAY-CARROLL WAKENDA	V	NO	3	W	TN	BR	BL	-	R	-
RAY-CARROLL RAY	V	NO	4	P	TN	TW	BR	-	T	-
RAY-CARROLL RAY 2	V	NO	4	P	BR	TN	BR	-	T	-
REEDS 222	B	NO	2	P	BR	G	Y	-	S	-
REEDS 320	B	NO	3	P	-	BR	BL	-	S	-
REEDS 330	V	NO	3	P	BR	TW	BR	-	T	-
REEDS 333	B	NO	3	P	BR	G	BL	-	T	-
REEDS 440	V	NO	4	W	TN	TN	BF	-	R	T
REEDS 460	V	NO	4	W	BR	G	BF	-	T	T
RING AROUND RA 303	V	NO	3	P	BR	G	Y	-	S	T
RING AROUND RA 404	V	NO	4	P	TN	BR	BR	-	T	T
RING AROUND RA 451	V	NO	4	P	BR	BR	BL	S	T	T
RING AROUND RA 452	V	NO	4	W	BR	G	BF	S	S	T
RING AROUND RA 606	V	NO	6	W	TN	G	BF	T	R	T
S-BRAND S67A	B	NO	3	W, P	BR	TW	BR	S	T	T
S-BRAND S46F	V	NO	2	P	-	TW	BL	S	T	T
S-BRAND S49D	B	NO	3	P, W	BR	G, TW	Y	S	T	T
S-BRAND S49C	B	NO	3	P, W	-	G, TW	BR, Y	S	T	T
S-BRAND S62	V	NO	3	P	G	GR	GR	S	T	T
S-BRAND S64B	B	NO	3	P, W	G	GR, TN	BR, GR	S	T	T
S-BRAND S67	V	NO	3	P, W	-	TN	BR	S	T	T
SEEDTEC ST-1355	V	NO	3	P	TN	G	IBL	-	S	-
SEEDTEC ST-1414	V	NO	3	P	BR	G	IBL	-	R	-
SHISSLER GR8 442	V	NO	4	P	BR	TN	BR	S	S	T
SHISSLER GR8 420	V	NO	4	W	BR	TN	BR	S	S	T
SHOWME TIGER	V	YES	4	-	-	-	-	-	-	-
SHOWME LION	V	YES	3	-	-	-	-	-	-	-
SILER SS 305	V	NO	3	P	G	TW	BR	-	-	-
SILER SS 7415	V	NO	4	W	BR	TW	BL	-	-	-
SILER SS 325	V	NO	3	P, W	BR	TN	BR	-	-	-
SILER SS 335	V	NO	3	P	TW	TN	G	-	-	-
SOI 337	V	NO	3	W	BR	TW	BL	-	S	-
SOI EXP 22697	V	YES	2	P	BR	G	G	-	S	-
SOI EXP 23687	V	YES	3	P	TN	G	G	-	S	-
SOI EXP 26327	V	YES	3	W	BR	TW	G	-	S	-

TABLE 14. CONTINUED.

BRAND/VARIETY	VARIETY OR BLEND	EXPERI-MENTAL VARIETY	MAT-URITY GROUP	COLOR				CYST NEMATODE	PHYTO-PHTHORA ROOT ROT	SENCOR INJURY
				FLOWER	POD	PUBESCENCE	HILUM			
SOI EXP 27387	V	YES	3	W	TN	TW	BR	-	S	-
SOI EXP 23797	V	YES	3	W	BR	G	Y	-	S	-
SOI EXP 22137	V	YES	4	P	TN	TW	BR	-	R	-
SOI EXP 24557	V	YES	4	P	BR	TW	BR	-	S	-
SOI EXP 27467	V	YES	4	P	TN	TW	BR	-	S	-
SRF EXP 23707	V	YES	2	P	BR	TW	BR	-	S	-
SRF EXP 15997	V	YES	3	P	TN	G	Y	-	R	-
SRF EXP 11017	V	YES	3	W	TN	TW	BL	-	R	-
SRF EXP 13687	V	YES	3	W	BR	TW	BL	-	R	-
SRF EXP 24737	V	YES	4	W	BR	TW	BL	-	S	-
SRF EXP 11527	V	YES	4	W	BR	TW	BL	-	R	-
STINE 3810	V	NO	3	W	BR	TW	BR	-	T	T
STINE 3790	V	NO	3	M	TN	TW	BR	-	T	T
STINE 4190	V	NO	4	P	TN	G	BF	-	T	T
STINE 4740	B	NO	4	M	M	TW	BR	-	T	T
STINE 4880	V	NO	4	P	TN	TW	BR	-	T	T
TAYLOR 5270	V	NO	5	P	TN	-	-	-	R	-
TERRA ADVANCE	V	NO	3	P	BR	TW	BR	-	T	T
TERRA COMPETITOR	V	NO	4	P	TN	G	BF	-	T	T
TERRA TRIUMPH	V	NO	3	W	BR	TW	BR	-	T	T
TERRA EXP 330	V	NO	3	W	BR	TN	G	-	T	T
TERRA EXP 450	V	NO	4	P	BR	TW	BR	-	T	T
TERRA EXP 375	V	YES	3	P	TN	G	-	-	T	-
TRI VALLEY CUTLASS 88	B	NO	2	W,P	TN	TW	BR	-	T	-
TRI VALLEY CHARGER 85	V	NO	3	P	TN	TW	BR	-	T	-
WILSON BLEND 3182	V	NO	3	P	BR	G	Y	S	T	T
WILSON BLEND 3560	V	NO	3	W	BR	TW	BR	S	T	T
YIELD KING 503	V	NO	5	P	TN	TW	BL	S	T	T
YIELD KING 577	V	NO	5	W	TN	G	BF	R	-	T
YIELD KING 593	V	NO	6	P	TN	TW	BL	R	-	T
YIELD KING 613	V	NO	6	P	TN	TW	BR	R	-	T
YIELD KING 696	V	NO	6	P	TN	TW	BL	-	R	T
PUBLIC VARIETIES										
HACK	V	NO	2	W	TN	G	BF	S	R	-
CHAMBERLAIN	V	NO	3	P	BR	G	IBL	S	R	-
FAYETTE	V	NO	3	W	TN	TW	BL	R	S	-
HARPER	V	NO	3	P	TN	BR	BL	-	-	-
HOBBIT	V	NO	3	W	TN	TW	BL	S	S	-
PELLA	V	NO	3	P	TN	TW	BL	S	R	-
PELLA 86	V	NO	3	P	TN	TW	BL	R	R	T
PRESTON	V	NO	3	P	BR	TW	G	-	T	-
SHERMAN	V	NO	3	W	BR	G	BF	-	S	-
WILLIAMS 82	V	NO	3	W	TN	TW	BL	S	R	-
WINCHESTER	V	NO	3	W	TN	BR	BL	S	R	-
ZANE	V	NO	3	P	BR	G	IBL	-	T	-
CRAWFORD	V	NO	4	P	BR	TW	BL	S	R	-
DESOTO	V	NO	4	P	BR	TW	BL	S	R	-
DOUGLAS	V	NO	4	W	BR	TW	BL	S	R	-
PERSHING	V	NO	4	W	TN	G	BF	S	-	-
RIPLEY	V	NO	4	P	TN	G	BF	S	-	-
SPARKS	V	NO	4	W	TN	TW	BL	-	R	-
UNION	V	NO	4	W	TN	TN	BL	S	R	-
AVERY	V	NO	5	W	-	TW	BL	R	-	-
BAY	V	NO	5	P	TW	G	BF	S	S	-
BEDFORD	V	NO	5	W	TN	BR	BL	T	T	-
ESSEX	V	NO	5	P	TN	G	BF	S	S	-
FORREST	V	NO	5	W	TN	TW	BR	R	T	-
HILL	V	NO	5	W	TN	TW	IBL	T	-	-
MACK	V	NO	5	P	TM	G	-	R	R	-
NATHAN	V	NO	5	W	TN	BR	BL	R	S	-
BRADLEY	V	NO	6	W	-	TW	BL	R	-	-
CENTENNIAL	V	NO	6	P	-	TW	BL	R	-	-
DAVIS	V	NO	6	W	TW	G	BF	S	T	-
TRACY M	V	NO	6	W	TN	TW	BL	S	R	-
S81-2203	V	YES	4	P	-	TW	BL	R	-	-
S83-1188	V	YES	5	W	-	TW	BL	R	-	-
S82-1318	V	YES	5	P	-	G	BR	R	-	-
S82-1338	V	YES	6	P	-	G	BR	R	-	-
S82-1443	V	YES	4	P	-	TW	BR	R	-	-
S83-1014	V	YES	4	P	-	TW	BL	R	-	-
S83-1144	V	YES	6	W	-	TW	BL	R	-	-
S82-3641	V	YES	5	W	-	TW	BL	R	-	-

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

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 15. NAMES OF SOYBEAN ENTRIES EVALUATED IN 1987 AND THEIR SEED SOURCES.

BRAND	VARIETY/BLEND	SEED SOURCE
AGRATECH	AT575, ATX550	AGRATECH SEEDS, INC., BOX 1686, WEST MEMPHIS, AR 72301
AGRIPRO	AP 3977, AP 4321, EX 3878	AGRIPRO SEEDS, RT 2, HWY. 30 EAST, AMES, IA 50010
AMERICANA	ATLANTIS, MARINER, SENTRY, TAURUS, B566, B567, B576, B580	AMERICANA SEEDS, INC., BOX 275, BOWEN, IL 62316
ASGROW	A3427, A3733, A3803, A3935, A4393, A4595, A4906, A5474, A5980, A6242	ASGROW SEED CO., 7000 PORTAGE ROAD, KALAMAZOO, MI 49001
BIN-BUSTER	2260, 3452, 3682, 4279	HIDY SEED CO., RT 2, BOX 36, STEWARTSVILLE, MO 64490
BRAD	29	BRADLEY SEED SERVICE, INC., RT 1, LEONARD, MO 63451
CAPEHART	4679, 5646, NOBLE, STONE	CAPEHART SEED SERVICE, BOX 10, HOLLAND, MO 63853
CFS	320, 360	CUSTOM FARM SEED, BOX 160, MOMENCE, IL 60954
COKER	393, 355, 425, 485, 6592, 81R-59, 80R-49, 82-372, 82-824	COKER'S PEDIGREED SEED COMPANY, BOX 507, LEBANON, IN 46052
COKER	CO 82M-171, CO 82M-212, CO 83L-18, CO 84M-634, CO 84M-671	COKER'S PEDIGREED SEED COMPANY, HWY. 158 E., BOX 729, BAY, AR 72411
DEKALB-PFIZER	CX366, CX415	DEKALB-PFIZER GENETICS, 3100 SYCAMORE RD, DEKALB, IL 60115
DELTAPINE	105, 415, 566, 675, 726	DELTA & PINE LAND CO., BOX 157, SCOTT, MS 38772
DIAMOND BRAND	D245, D280B, D301, D305, D320B, D315, DX 86-1304, DX 86-1305, DX 86-1306, DX 87-3301	DIAMOND BRAND SEEDS, BOX 518, CARROLL, IA 51401
DOUBLE SS	2900, 3285, 3900, 4500	SHELTON SEED, RT 2, BOX 237, CENTRALIA, MO 65240
ESCO	B2, B3	EAGLE SEED COMPANY, BOX 308, WEINER, AR 72479
FONTANELLE	5708, 6161, 6464, 6540	FONTANELLE HYBRIDS, RT. 1, BOX 18, NICKERSON, NE 68044
FORTUNE	666, 777	MID-STATE WAREHOUSE & STORAGE, INC., JCT. 240 & HWY. 41, MARSHALL, MO 65340
FUNK'S	M82-572403	FUNK SEEDS INTERNATIONAL, RT. 1, BOX 540A, GREENVILLE, MS 38701
GOLDEN HARVEST	H-1483, X391, X430	J.C. ROBINSON SEED COMPANY, WATERLOO, NE 68069
HARTZ	5164, 5171, 5252, 5370, 6130, X6200	JACOB HARTZ SEED CO., INC., BOX 946, STUTTGART, AR 72160
HILL HS	2850, 3000, 3300, 4050, 4150, EX 347, EX 417	HILL SEED CO., BOX 127, ELLSWORTH, IA 50075
HOFLER	CORAL, CRYSTAL, GEM, GEM II, JASPER, QUARTZ, SUNSTONE, EXP 1987-3	HOFLER SEED CO., INC., 17 3RD ST. S.W., NORA SPRINGS, IA 50458
HYPERFORMER	STEVENS, SHENANDOAH, HSC BALDWIN, HSC B2J, BRAND 401	HYPERFORMER SEED CO., 5100 POPLAR, SUITE 3200, MEMPHIS, TN 38137
JACQUES	J-130, J-361, J-431, E 8644, E 8737, E 8744	JACQUES SEED CO., 720 ST. CROIX, PRESCOTT, WI 54021
JMS	2987, 3186, 3788, 4288, 4383, 4688, 4982, 5484	J. M. SCHULTZ SEED COMPANY, 105 N. PINE STREET, DIETERICH, IL 62424
KELLER	KNOX, K-934	GEORGE KELLER & SONS CO., 909 MAINE ST., BOX 490, QUINCY, IL 62306
KING CITY	ASPEN, CYPRESS	KING CITY SEED & STORAGE, BOX 366, KING CITY, MO 64463
K. LEWIS	ASPEN, CYPRESS	KEITH LEWIS SEED FARM, BOX 125, UNION STAR, MO 64494
LEWIS	297, 300, 367	LEWIS HYBRIDS, INC., BOX 38, URSA, IL 62376
LYNKS LX	8280, 8307, 8393, 8405	LYNKS SEEDS, BOX 637, MARSHALLTOWN, IA 50158
MADISON MSR	EXP 151032, EXP 161002	MADISON SEED CO., INC., 13455 STATE RT. 38 SE, LONDON, OH 43140
MASCO	8604, MARQUIS, TANGO	McALLISTER SEED CO., INC., BOX 28, MT. PLEASANT, IA 52641
McCUBBIN	ALBANY II, TAYLOR, TROY, WINDSOR, CARSON, EX 80610, EX 37998, EX 47702	McCUBBIN SEED FARM, INC., BOX 578, GREEN MOUNTAIN, IA 50637
McCURDY	375B, 3033, 3605, S420, S427	McCURDY SEED CO., E. MAIN ST., FREMONT, IA 52561

TABLE 15. CONTINUED

BRAND	VARIETY/BLEND	SEED SOURCE
MERSCHMAN	ATLANTA II, CHEYENNE III, EISENHOWER, DALLAS, DENVER III, HARRIS, MONROE II, JEFFERSON IV, JEFFERSON V, JEFFERSON VI, KENNEDY, KENNEDY II, MEMPHIS II, HOOVER, TRUMAN II, WASHINGTON VI, WILLIAMSBURG	MERSCHMAN SEEDS, INC., 103 AVENUE D., WEST POINT, IA 52656
MFA	PV42	COKER'S PEDIGREED SEED COMPANY, BOX 507, LEBANON, IN 46052
MIDWEST OILSEEDS	EX3950, EX4990	MIDWEST OILSEEDS, INC., RT. 3, BOX 204, ADEL, IA 50003
NECO	850, 1000, 1100, 1280, 1350, 1500, B-3, B-4	NECO SEED FARMS, INC., RT. 2, BOX 296D, GARDEN CITY, MO 64747
NORTHROP KING	S33-45, S39-99, S42-30, S42-40, S44-77, S53-34	NORTHROP KING CO., 3403 HOOVER AVE., AMES, IA 50010
PIONEER	9292, 9331, 9361, 9391, 9441, 9442	PIONEER HI-BRED INT., INC., 26 WESTWOODS DR., LIBERTY, MO 64068
PIONEER VARIETY	5482, 9531, 9581	PIONEER HI-BRED INT., INC., EASTERN DIVISION, 1000 WEST JEFFERSON ST., TIPTON, IN 46072
PRIZE	622, 623, 624, 828	HARTZLER'S SEED CO., RT 1, BOX 458, HARRISONVILLE, MO 64701
RANDELL	MAHASKA, HAWK, 3030, 3040, EXP 1	RANDELL SEED CO., 714 1ST AVE. E., OSKALOOSA, IA 52577
RAY-CARROLL	CARROLL II, CHARITON, SUMNER, WAKENDA, RAY, RAY 2	RAY-CARROLL COUNTY GRAIN GROWERS, INC., E. SANTA FE, BOX 267, NORBORNE, MO 64668
REEDS	222, 320, 330, 333, 440, 460	REEDS SEEDS, INC., 1035 INDUSTRIAL RD., BOX 130, CHILLICOTHE, MO 64601
RING AROUND	RA303, RA404, RA451, RA452, RA606,	ROHM & HAAS SEEDS, INC., BOX 507, LEBANON, IN 46052
S BRAND	S62, S64B, S67, S67A, S46F, S49D, S49C	SCHECHINGER SEED CO., RT 1, BOX 149, HARLAN, IA 51537
SEEDTEC	ST-1355, ST-1414	SEEDTEC INTERNATIONAL, RT 108W, ELDRED, IL 62027
SHISSLER	GR8 420, GR8 442	SHISSLER SEED COMPANY, RT 3, ELMWOOD, IL 61529
SHOWME	TIGER, LION	SHOWME SEED COMPANY, BOX 92, MALTA BEND, MO 65339
SILER SEED	SS-325, SS-335, SS-305, SS-7415	SILER SEED, RT 2, BOX 200, WESTON, MO 64098
SOI	EXP 22697, EXP 23687, EXP 26327, 337, EXP 27387, EXP 23797, EXP 22137, EXP 24557, EXP 27467	SAND SEED SERVICE, INC., BOX 648, MARCUS, IA 51035
SRF	EXP 23707, EXP 15997, EXP 11017, EXP 13687, EXP 24737, EXP 11527	SOYBEAN RESEARCH FOUNDATION, INC., 115 N. PERRY ST., MASON CITY, IL 62664
STINE	3790, 3810, 4190, 4740, 4880	STINE SEED FARM, INC., RT 3, BOX 204, ADEL, IA 50003
TAYLOR	5270	TAYLOR SEEDS, RT 2, BOX 265, GARDEN CITY, MO 64747
TERRA	ADVANCE, COMPETITOR, TRIUMPH, EXP 330, EXP 375, EXP 450	TERRA INT., 600 4TH ST., SIOUX CITY, IA 51101
TRI VALLEY	CUTLASS 88, CHARGER 85	TRI VALLEY SEED, 606 13TH ST., COUNCIL BLUFFS, IA 51501
WILSON BLEND	3182, 3560	WILSON HYBRIDS, INC., BOX 391, HARLAN, IA 51537
YIELD KING	503, 577, 593, 613, 696	EAGLE SEED COMPANY, BOX 308, WEINER, AR 72479
	S81-2203, S83-1188, S82-1338, S83-1144, S82-1443, S83-1014, S82-3641, S82-1318	DR. SAM ANAND, UMC DELTA CENTER, BOX 160, PORTAGEVILLE, MO 63873
	AVERY, BAY, BEDFORD, BRADLEY, CRAWFORD, CENTENNIAL, CHAMBERLAIN, DAVIS, DESOTO, DOUGLAS, ESSEX, FAYETTE, FORREST, HACK, HARPER, HILL, HOBBIT, MACK, NATHAN, UNION, PELLA 86, PERSHING, PRESTON, RIPLEY, SPARKS, SHERMAN, TRACY M, WILLIAMS 82, WINCHESTER, ZANE	FOUNDATION SEED, 135 MUMFORD, UMC, COLUMBIA, MO 65211