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Information contained herein is available to all persons regardless of race, color, sex, or national origin.

PERFORMANCE OF SOYBEAN VARIETIES IN ALABAMA, 1988

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INTRODUCTION

Soybean variety tests are conducted annually by the Alabama Agricultural Experiment Station. The 10 locations used represent the major soil and climatic regions of Alabama. These locations are divided into logical soybean growing regions. The regions and locations are:

<u>Region</u>	<u>Location</u>
Northern	Belle Mina, Crossville
Central	Camden, Prattville
Southern	Brewton, Headland, Monroeville
Black Belt	Marion Junction (2 soils)
Baldwin-Mobile	Fairhope

A standard test is grown at each location. In addition, a late date of planting test is grown in each region, an early date of planting test is grown at Brewton, and preliminary tests are grown in the northern, central, and southern regions. The preliminary test contains advanced experimental lines and released varieties which are new to that particular region. These varieties will be placed in the standard test if their performance warrants.

¹ Respectively, Associate Professor and Professor of Agronomy and Soils.

EXPERIMENTAL PROCEDURES

The standard tests were designed as a randomized complete block with four replications. Plot size was four 30- to 36-inch rows 20 feet long. Sixteen feet of the middle two rows were harvested for yield. Seeding rate was 60 pounds per acre (10 viable seeds per foot of row). The preliminary tests were planted in a randomized complete block design with three replications. The early and late planting date tests were arranged in incomplete lattice square designs, with 16 and 9 entries per maturity group and four replications, respectively.

Two planting dates were used for the standard tests at Crossville, Prattville, Brewton, Marion Junction (Vaiden Soil), and Fairhope. An entry must perform well in the early standard test before it is entered in the late date test. Results are reported by planting date in the tables, with date 1 being the standard full season planting and date 2 the later planting at all locations except at Brewton where date 2 is the standard test and date 3 is the later planting test. The Marion Junction (Vaiden soil) regular planting test in 1988 was not harvested because of poor stand due to lack of moisture during the planting period.

Data were collected on seed yield, moisture, lodging, shattering, plant height, and maturity date. Plot yields were adjusted to 13 percent moisture and converted to bushels (60 pounds) per acre. Lodging was scored on a scale of 1 to 5 as follows:

- 1 - almost all plants erect.
- 2 - either all plants leaning slightly (less than 45°) or a few plants down.
- 3 - either all plants leaning moderately (approximately 45°) or 25 to 50 percent of the plants down.

4 - either all plants leaning more than 45° or 50 to 80 percent of the plants down.

5 - more than 80 percent of the plants down.

Shattering was rated on a scale of 1 to 5 based on performance of the border row 14 days after maturity. A rating of 1 indicates no shattering, a rating of 3 indicates a 4 to 8 percent shattering, and a rating of 5 is 20 percent or more shattering. Plant height was determined by measuring from the ground to the top of the plant at maturity. Maturity date was the day 95 percent of the pods were their mature pod color. Harvest was approximately 7 to 10 days later.

Severe stunting and chlorosis were observed in the varieties planted on the alkaline Sumter soil at the Black Belt Substation. A chlorosis rating was made in early August 1987 and September 1988 with a rating of 1 to 10, where 1 was no noticeable change in green color from a normal soybean plant and 10 was plants losing leaves due to necrotic spots in leaves. The yields from areas that showed iron chlorosis are recorded for 1988, along with the 1987-88 averages, table 18.

SEASONAL CONDITIONS

Lack of rainfall in April 1987 resulted in a 2-week delay in planting in north Alabama and not planting the early test in Brewton. The low rainfall at most locations in May and June 1988 resulted in delayed planting of regular tests from 2 to 4 weeks. The normal full season plantings in the regular tests are the first week in May, May 15-25, and May 25 to June 5 for north, central, and southern Alabama locations, respectively. The lower than normal rainfall in May and June resulted in a very short plant height at most

locations. The central and northern areas were also short on moisture in August, resulting in low number of pod set. Good September rainfall at all locations resulted in increased seed size.

COMPARING VARIETIES

To aid in determining real yield differences, a statistical analysis of variance is performed on the data from each location. The L.S.D. (least significant difference) and C.V. (coefficient of variation) are given for each location's 1988 test, and for the location's or region's 2- and 3-year averages. The difference in yield of two varieties must exceed the L.S.D. value for one variety to be considered superior to the others in yield in that particular test. The C.V. is a measure of the variability in an experiment. An increase in its value indicates an increase in the unexplained variability.

Since the performance of varieties varies with location and year, long-term averages from several locations are more reliable than 1-year performance. Three-year regional averages are considered a reliable evaluation of the relative performance of varieties.

A committee comprised of Department of Agronomy and Soils personnel involved in soybean extension and research reviewed the past 3 years of soybean variety test data to assemble the list of recommended varieties on page 40. The acceptable varieties are not all equal in performance. Some are outstanding in one or more characteristics; while others may not be obviously outstanding, they might possess a satisfactory combination of all characteristics.

ACKNOWLEDGMENTS

Appreciation is expressed to the following station superintendents and their staffs. It is their quality work which makes this report a reliable source of information for farmers in their areas.

Black Belt Substation Marion Junction	H.W. Grimes J.L. Holliman
Brewton and Monroeville Experiment Fields Brewton and Monroeville	J.R. Akridge
Gulf Coast Substation Fairhope	E.L. Carden N.R. McDaniel M.D. Pegues
Lower Coastal Plain Substation Camden	J.A. Little
Prattville Experiment Field Prattville	D.P. Moore
Sand Mountain Substation Crossville	J.T. Eason M.E. Ruf
Tennessee Valley Substation Belle Mina	W.B. Webster Ellis Burgess
Wiregrass Substation Headland	H.W. Ivey Larry Wells Brian Gamble

Appreciation is also expressed to Mien-Huei Tzeng and Mrs. Sally Bagwell, Research Data Analysis, for the computation and analysis of the data in this report.

Table 1. Entries and Sources for 1988

Alabama Crop Improvement Association Auburn, Alabama	Davis Gordon
Alabama Farmer's Cooperative Decatur, Alabama	Cobb FFR brand varieties Kirby Wright
Asgrow Seed Company Kalamazoo, Michigan	Asgrow brand varieties
Bragg Farms Toney, Alabama	Braxton Centennial Essex Forrest Ransom
Coker Pedigreed Seed Co. Bay, Arkansas	Coker brand varieties RA brand varieties (now New Northrup King)
Delta and Pine Land Company Scott, Mississippi	Deltapine brand varieties
Delta Branch Experiment Station Stoneville, Mississippi	D82-3885 (Lamar)
Department of Agronomy & Soils Auburn University, Alabama	Au82-204 (Stonewall) Au82-211 Au82-589 Au83-1018 Foster Hutton
Eagle Seed Company Weiner, Arkansas	Riverside brand varieties Cajun Competitor (formerly Yield King)
Elysian Seed, Inc. Gallion, Alabama	Tracy M
FFR Cooperative W. Lafayette, Indiana	Stone (formerly Capehart 5896)
Georgia Seed Development Commission Athens, Georgia	Duocrop GaSoy 17 G81-234 Thomas Twiggs

(Continued on following page)

Table 1 (continued). Entries and Sources for 1988

H.J. Underwood Co., Inc. Clinton, North Carolina	E.H.J.U. brand varieties
HyPerformer Seed Company Memphis, Tennessee	HB brand varieties HSC B2J HSC Baldwin Sampson Shenandoah Starr Wilstar 550
Jacob Hartz Seed Company, Inc. Stuttgart, Arkansas	Hartz brand varieties
Kansas State University Manhattan, Kansas	K 1099
Louisiana State University Baton Rouge, Louisiana	Gregg
Mississippi State University Mississippi State, Mississippi	Sharkey Leflore
North Carolina State University Raleigh, North Carolina	Johnston Young
Pioneer Hi-Bred International, Inc. Tipton, Indiana	Pioneer brand varieties
Rio Farms Monte Alto, Texas	Santa Rosa
Terral-Norris Seed Company, Inc. Lake Providence, Louisiana	Terra-Vig brand varieties
Texas A&M University College Station, Texas	Dowling
The New Northrup King Company Highland, Illinois	N.K. brand varieties
University of Arkansas Fayetteville, Arkansas	Bedford Jeff Lloyd Narrow R83-310 R82-368
University of Maryland College Park, Maryland	Morgan

(Continued on following page)

Table 1 (continued). Entries and Sources for 1988

University of Missouri
Columbia, Missouri

Avery
Bradley
Pershing

University of Tennessee
Knoxville, Tennessee

Epps
TN 4-86
TN 5-85

Virginia Crop Improvement Association
Holley, Virginia

Bay
Hutcheson
Stafford
Toano

Table 2. Cultural Practices for Soybean Variety Tests in 1988

Location	Type test	Date planted	Row width	Herbicide used	Fertilizer applied
Belle Mina	Standard	May 26	36	Prowl, Scepter	None recommended by soil test
	Preliminary	May 26	36	Prowl, Scepter	200 lb. 0-20-20/acre
Crossville	Standard	May 6	30	Scepter, Dual	100 lb. 0-0-60, 50 lb. 0-46-0/acre
	Late	June 27	30	Scepter, Lasso	100 lb. 0-20-20/acre, 100 lb. 0-0-60/acre
Camden	Standard	June 13	36	Treflan, Vernam	None recommended by soil test
Prattville	Standard	May 13	30	Vernam	None recommended by soil test
	Preliminary (replanted)	June 28	30	Vernam	None recommended by soil test
	Late	June 27	30	Vernam	None recommended by soil test
Headland	Standard	May 31	36	Treflan	None recommended by soil test
Monroeville	Preliminary	June 14	36	Treflan	300 lb. 0-20-20/acre
Brewton	Early	April 28	36	Treflan, Vernam	250 lb. 0-20-20/acre
	Standard	May 18	36	Treflan, Vernam	300 lb. 0-20-20/acre
	Late	July 14	36	Dual	None recommended by soil test
Marion Junction	Standard (Sumter)	June 9	36	Squadron	200 lb. 0-20-20/acre
	Standard (Vaiden)	June 28	36	Squadron	200 lb. 0-20-20/acre
	Late	July 20	7	Squadron	200 lb. 0-20-20/acre
Fairhope	Standard	June 13	30	Dual, Lorox	None recommended by soil test
	Late	July 14	30	Dual	None recommended by soil test

Table 3. Rainfall at Test Locations During Growing Season, 1988

Month	Days	Belle Mina	Crossville	Prattville	Marion Junction	Camden
		In.	In.	In.	In.	In.
May	1-5	0.11	0.42	0	0.12	0
	6-10	.09	.65	0	.04	0
	11-15	0	.02	.55	.02	T
	16-20	0	.12	.03	T	0
	21-25	.99	1.05	.23	.24	.50
	26-31	<u>0</u>	<u>0</u>	<u>.03</u>	<u>0</u>	<u>0</u>
		1.19	2.26	.84	.42	.50
June	1-5	T	0	0	0	0
	6-10	0	0	.85	.90	1.33
	11-15	0	0	0	0	0
	16-20	0	.12	0	.37	0
	21-25	.13	T	0	0	.02
	26-30	<u>0</u>	<u>.48</u>	<u>1.22</u>	<u>1.02</u>	<u>.07</u>
		.13	.60	2.07	2.29	1.42
July	1-5	.87	.16	2.80	4.20	1.90
	6-10	.06	.10	.39	2.59	.88
	11-15	.94	.06	3.64	3.06	1.04
	16-20	0	.08	1.70	.90	.65
	21-25	2.60	1.77	.62	2.02	1.25
	26-31	<u>.02</u>	<u>.51</u>	<u>0</u>	<u>0</u>	<u>.32</u>
		4.49	2.68	9.15	12.77	5.94
August	1-5	.08	1.12	1.56	.28	1.11
	6-10	.14	1.97	.04	.05	.17
	11-15	.04	.07	.02	0	.43
	16-20	.36	.15	.06	.01	.09
	21-25	1.08	2.67	0	.76	.63
	26-31	<u>T</u>	<u>.03</u>	<u>.01</u>	<u>0</u>	<u>0</u>
		1.70	6.01	1.68	1.10	2.43
September	1-5	1.47	2.48	3.51	4.90	3.56
	6-10	0	0	2.20	.75	2.19
	11-15	.78	3.09	1.23	1.80	.17
	16-20	2.04	3.57	1.23	.93	.85
	21-25	.33	.12	0	0	.05
	26-30	<u>.41</u>	<u>0</u>	<u>.23</u>	<u>.48</u>	<u>.16</u>
		5.03	9.26	8.40	8.86	6.98
October	1-5	1.04	1.14	1.46	1.60	1.10
	6-10	.10	.01	0	0	0
	11-15	0	0	0	0	.06
	16-20	.83	.21	0	.05	.01
	21-25	.38	.29	1.05	1.61	1.51
	26-31	<u>1.06</u>	<u>.49</u>	<u>.16</u>	<u>.40</u>	<u>.18</u>
		3.41	2.14	2.67	3.66	2.86

(Continued on following page)

Table 3 (continued). Rainfall at Test Locations During Growing Season, 1988

Month	Days	Brewton	Monroeville	Headland	Fairhope
		In.	In.	In.	In.
May	1-5	0	0	0	0
	6-10	0	0	0	0
	11-15	0	0	.05	0
	16-20	.78	0	0	0
	21-25	.16	.47	1.23	.31
	26-31	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
		.94	.47	1.28	.31
June	1-5	.13	0	0	.21
	6-10	1.16	2.26	2.29	2.58
	11-15	0	0	0	0
	16-20	0	.02	.03	.27
	21-25	0	.70	0	2.96
	26-30	<u>.06</u>	<u>1.31</u>	<u>.28</u>	<u>.06</u>
		1.35	4.29	2.20	6.08
July	1-5	3.22	1.57	5.78	.48
	6-10	.49	.15	.02	2.08
	11-15	1.10	.76	1.50	.33
	16-20	2.27	2.18	1.27	.85
	21-25	1.05	.71	.23	.58
	26-31	<u>.91</u>	<u>.23</u>	<u>.66</u>	<u>.48</u>
		9.04	5.60	9.46	4.80
August	1-5	.11	.23	.02	.25
	6-10	1.85	.54	.58	6.83
	11-15	.33	.44	0	1.89
	16-20	.73	.36	.15	2.67
	21-25	1.51	.07	.27	1.53
	26-30	<u>.06</u>	<u>.17</u>	<u>.11</u>	<u>.02</u>
		4.59	1.81	1.13	13.19
September	1-5	2.43	2.77	3.67	4.09
	6-10	6.02	3.95	2.33	4.00
	11-15	4.18	1.89	.05	.09
	16-20	1.96	.95	.71	5.03
	21-25	.30	.11	.96	.57
	26-30	<u>.51</u>	<u>.61</u>	<u>0</u>	<u>2.34</u>
		16.39	10.28	7.72	16.12
October	1-5	2.16	1.53	2.09	1.42
	6-10	.05	.01	.08	0
	11-15	0	0	.03	0
	16-20	0	.07	0	0
	21-25	.84	.02	.62	0
	26-30	<u>0</u>	<u>.06</u>	<u>0</u>	<u>.55</u>
		3.05	1.69	2.82	1.97

TABLE 4. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE								
	BELLE	CROSSVILLE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE		
	BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.	DATE 1	DATE 2	
<u>VERY EARLY</u>												
K-1099	18.7	36.2	-	1.1	-	1.1	-	22	-	10-2	-	
PERSHING	21.5	39.4	-	1.0	-	1.3	-	23	-	10-2	-	
STAFFORD	23.5	29.7	-	1.0	-	1.0	-	24	-	9-27	-	
TN4-86	20.9	39.5	-	1.1	-	1.3	-	33	-	9-22	-	
<u>EARLY</u>												
ASGROW A 5980	36.4	44.4	-	1.8	-	1.4	-	36	-	10-11	-	
AVERY	24.9	38.4	-	1.4	-	1.9	-	38	-	9-27	-	
BAY	33.2	36.4	42.6	1.0	1.3	1.4	1.0	32	32	10-9	10-23	
BEDFORD	31.7	36.8	-	1.8	-	1.0	-	36	-	10-16	-	
COKER 425	31.7	43.0	-	1.0	-	1.1	-	24	-	10-7	-	
COKER 485	39.4	49.4	43.0	1.3	1.3	1.0	1.0	32	30	10-17	10-22	
COKER 6955	35.2	43.5	-	1.0	-	1.0	-	29	-	10-12	-	
COKER 6995	39.1	41.8	-	1.3	-	1.0	-	36	-	10-16	-	
DELTAPINE 105	38.7	39.2	41.8	1.3	1.5	1.0	1.0	34	32	10-12	10-22	
DELTAPINE 415	36.8	45.4	44.4	1.0	1.0	1.0	1.0	29	32	10-9	10-21	
EPPS	33.4	39.9	-	2.8	-	1.0	-	31	-	10-9	-	
ESSEX	30.2	33.7	-	1.0	-	1.6	-	26	-	10-4	-	
FFR 561	36.7	40.2	-	1.0	-	1.3	-	29	-	10-14	-	
FFR 562	39.3	40.8	-	1.4	-	1.0	-	34	-	10-14	-	
FFR 565	38.2	45.9	-	1.5	-	1.0	-	34	-	10-12	-	
FORREST	38.0	41.9	41.8	1.1	1.8	1.0	1.0	33	32	10-11	10-22	
HARTZ 5164	33.9	45.1	-	1.3	-	1.1	-	32	-	10-15	-	
HARTZ 5171	39.0	44.3	40.5	1.9	1.8	1.0	1.0	35	33	10-17	10-24	
HARTZ 5252	38.3	40.4	-	1.3	-	1.0	-	36	-	10-11	-	
HARTZ 5370	37.8	47.1	43.4	1.4	1.8	1.0	1.0	34	34	10-12	10-23	
HUTCHESON	39.3	39.6	46.0	1.1	1.3	1.3	1.0	26	27	10-11	10-23	
NAROW	33.7	42.0	-	1.0	-	1.1	-	28	-	10-7	-	
NEW NK 559-19	36.9	42.6	-	2.0	-	1.1	-	34	-	10-5	-	
PIONEER 9581	36.3	39.2	-	1.0	-	1.0	-	33	-	10-16	-	
PIONEER 9591	36.9	37.1	-	1.0	-	1.0	-	26	-	10-16	-	
RIVERSIDE 577	38.1	46.9	-	2.4	-	1.1	-	35	-	10-12	-	
SHENANDOAH	34.9	26.5	-	1.0	-	1.0	-	31	-	10-10	-	
STONE	39.7	32.1	-	1.1	-	1.0	-	31	-	10-12	-	
TERRA-VIO 515	39.2	43.9	37.5	1.4	1.3	1.0	1.0	31	28	10-19	10-22	
TERRA-VIG 553	35.8	46.3	-	1.3	-	1.0	-	30	-	10-10	-	
TN 5-85	38.2	38.5	-	1.5	-	1.0	-	32	-	10-10	-	
TOANA	36.2	34.9	-	1.0	-	1.0	-	26	-	10-9	-	
WILSTAR 550	34.5	31.5	-	1.3	-	1.0	-	32	-	10-13	-	

CONTINUED ON THE FOLLOWING PAGE

TABLE 4 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE				PLANT HEIGHT		MATURITY DATE	
	BELLE		CROSSVILLE	LODGING		SHATTERING		DATE 1	DATE 2	DATE 1	DATE 2
	BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.	DATE 1	DATE 2
FULL SEASON											
ASGROW A 6785	45.7	45.9	-	1.3	-	1.0	-	33	-	10-21	-
AU 82-589	39.0	38.5	39.2	1.5	1.5	1.0	1.0	35	36	10-23	10-28
BRADLEY	34.3	47.7	37.0	2.3	1.8	1.0	1.0	31	32	10-21	10-26
CENTENNIAL	39.0	42.7	-	1.3	-	1.0	-	33	-	10-21	-
COKER RA 606	43.5	47.7	37.7	1.9	2.3	1.0	1.0	38	39	10-19	10-26
COKER RA 680	39.3	37.1	-	1.8	-	1.0	-	35	-	10-21	-
COKER 686	39.5	46.6	40.7	1.8	1.3	1.0	1.0	34	34	10-19	10-25
DAVIS	37.9	38.2	-	1.4	-	1.0	-	36	-	10-20	-
DELTAPINE 506	40.9	35.1	-	2.1	-	1.0	-	37	-	10-24	-
DELTAPINE 566	36.1	38.6	41.0	1.4	1.5	1.0	1.0	35	37	10-24	10-31
DELTAPINE 726	39.1	37.7	-	1.9	-	1.0	-	35	-	10-24	-
FFR 668	39.0	35.1	-	1.6	-	1.0	-	34	-	10-25	-
Ø 81-234	45.1	45.7	-	1.5	-	1.0	-	36	-	10-25	-
HARTZ X1206	39.5	46.2	-	1.1	-	1.0	-	33	-	10-23	-
HARTZ 6130	40.9	45.0	-	1.6	-	1.0	-	36	-	10-20	-
HARTZ 6200	36.3	43.8	-	1.3	-	1.0	-	33	-	10-15	-
HARTZ 6372	44.1	43.5	-	1.9	-	1.0	-	33	-	10-23	-
HARTZ 6385	38.7	40.6	-	1.5	-	1.0	-	34	-	10-21	-
HSC BALDWIN	39.1	42.2	-	1.4	-	1.0	-	37	-	10-21	-
JEFF	42.8	42.5	-	2.1	-	1.0	-	36	-	10-22	-
LEFLORE	39.5	47.1	37.1	1.9	1.5	1.0	1.0	35	34	10-22	10-27
N. K. 869-54	40.6	44.5	39.8	1.9	2.3	1.0	1.0	32	32	10-23	10-28
PIONEER 9691	42.5	46.2	41.3	1.8	1.8	1.0	1.0	34	35	10-22	10-28
RIVERSIDE 696	42.7	37.4	-	1.3	-	1.0	-	34	-	10-19	-
SAMPSON	38.3	45.9	-	1.4	-	1.0	-	33	-	10-27	-
SHARKEY	44.8	43.4	-	2.5	-	1.0	-	40	-	10-22	-
TERRA-VIG 616	37.4	38.8	-	1.6	-	1.0	-	34	-	10-23	-
TRACY M	42.5	43.0	-	1.5	-	1.0	-	35	-	10-21	-
TWIGGS	37.1	42.7	-	1.3	-	1.0	-	33	-	10-13	-
YOUNG	36.3	45.0	40.8	1.5	1.8	1.0	1.0	34	36	10-19	10-28
LATE											
AU 82-201	-	-	40.4	-	2.3	-	1.0	-	36	-	10-31
BRAXTON	36.9	41.5	38.7	1.5	1.3	1.0	1.0	35	35	10-29	11-3
COKER 6727	-	-	40.0	-	1.5	-	1.0	-	32	-	10-30
DUOCROP	-	-	35.5	-	1.5	-	1.0	-	39	-	10-30
GORDON	-	-	34.6	-	2.0	-	1.0	-	36	-	10-31
HARTZ 7126	-	-	41.1	-	2.0	-	1.0	-	39	-	10-31
PIONEER 9791	-	-	43.3	-	1.8	-	1.0	-	35	-	11-1
RANSOM	-	-	39.3	-	1.5	-	1.0	-	33	-	10-31
TERRA-VIG 708	-	-	42.0	-	2.0	-	1.0	-	38	-	11-3
TEST MEANS	37.0	41.2	40.4	1.5	1.6	1.1	1.0	33	34		
L. S. D. (.05)	7.4	6.5	4.2								
C. V. (%)	14.4	11.4	7.4								

VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; FULL SEASON = MATURITY GROUP VI; LATE = MATURITY GROUP VII.

TABLE 3. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1988		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BV.	BV.	BV.	BV.	BV.	BV.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY														
PERSHING	30.5	-	28.1	-	29.4	-	1.1	-	1.1	-	25	-	9-15	-
TN4-86	30.2	-	27.6	-	-	-	-	-	-	-	-	-	-	-
STAFFORD	26.6	-	26.3	-	-	-	-	-	-	-	-	-	-	-
K-1099	27.5	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
COKER 485	44.4	43.0	33.0	31.4	38.5	-	1.5	-	1.0	-	33	-	9-29	-
DELTAPINE 415	41.1	44.4	33.9	-	38.0	-	1.4	-	1.0	-	30	-	9-23	-
TERRA-VIG 515	41.5	37.5	31.5	29.8	37.5	-	1.6	-	1.0	-	33	-	10-1	-
HARTZ 5370	42.5	43.4	31.4	32.3	36.4	38.8	1.8	1.5	1.0	1.0	36	33	9-26	10-12
HARTZ 5171	41.7	40.5	31.4	31.0	36.1	36.0	2.2	1.3	1.0	1.0	37	34	9-30	10-14
HARTZ 5164	39.5	-	29.5	-	36.1	-	1.9	-	1.0	-	35	-	9-30	-
FORREST	39.9	41.8	30.6	30.9	35.1	34.9	1.8	1.3	1.0	1.0	34	31	9-24	10-11
DELTAPINE 105	39.0	41.8	31.4	31.7	34.6	38.9	1.8	1.3	1.0	1.0	35	32	9-26	10-14
ASGROW A 5980	40.4	-	30.8	-	34.5	-	2.2	-	1.1	-	38	-	9-25	-
PIONEER 9591	37.0	-	29.5	-	34.3	-	1.1	-	1.0	-	27	-	9-27	-
TERRA-VIG 553	41.0	-	31.1	-	34.3	-	1.7	-	1.0	-	33	-	9-24	-
FFR 561	38.4	-	30.4	-	34.2	-	1.2	-	1.1	-	29	-	9-25	-
ESSEX	31.9	-	30.5	-	32.9	-	1.3	-	1.3	-	26	-	9-18	-
BEDFORD	34.3	-	28.8	-	32.8	-	2.1	-	1.0	-	40	-	9-28	-
NAROW	37.9	-	30.6	-	32.5	-	1.3	-	1.0	-	29	-	9-22	-
FFR 562	40.0	-	30.1	-	32.4	-	1.8	-	1.0	-	37	-	9-29	-
EPPS	36.6	-	27.0	-	32.2	-	2.8	-	1.0	-	33	-	9-24	-
COKER 425	37.4	-	30.7	-	31.8	-	1.0	-	1.0	-	24	-	9-20	-
BAY	34.8	42.6	28.5	30.4	31.6	35.8	1.6	1.1	1.2	1.0	34	30	9-24	10-12
WILSTAR 550	33.0	-	24.4	-	28.5	-	1.7	-	1.0	-	34	-	9-28	-
HUTCHESON	39.4	46.0	31.6	-	-	-	-	-	-	-	-	-	-	-
FFR 565	42.0	-	31.6	-	-	-	-	-	-	-	-	-	-	-
COKER 6955	39.3	-	30.5	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9581	37.8	-	29.9	-	-	-	-	-	-	-	-	-	-	-
TN 5-85	38.4	-	29.5	-	-	-	-	-	-	-	-	-	-	-
SHENANDOAH	30.7	-	25.7	-	-	-	-	-	-	-	-	-	-	-
AVERY	31.6	-	25.6	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 577	42.5	-	-	-	-	-	-	-	-	-	-	-	-	-
COKER 6995	40.4	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW NK 559-19	39.8	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 9232	39.4	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	35.9	-	-	-	-	-	-	-	-	-	-	-	-	-
TOANA	35.6	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 3 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE				PLANT HEIGHT		MATURITY DATE	
	1988		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		DATE 1	DATE 2	DATE 1	DATE 2
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	IN.	IN.	DATE 1	DATE 2
	BU.	BU.	BU.	BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE				
FULL SEASON														
PIONEER 9691	44.4	41.3	35.6	31.6	39.0	-	2.0	-	1.0	-	37	-	10-16	-
N. K. 869-54	42.5	39.8	32.2	31.0	37.3	-	1.9	-	1.0	-	34	-	10-15	-
COKE RA 606	45.6	37.7	33.5	28.4	37.0	35.4	2.4	1.9	1.0	1.1	40	38	10-10	10-19
COKE 686	43.1	40.7	31.9	31.3	36.6	-	1.8	-	1.0	-	37	-	10-15	-
HARTZ 6130	42.9	-	32.5	-	36.5	-	1.7	-	1.0	-	38	-	10-11	-
LEFLORE	43.3	37.1	31.4	27.7	35.9	34.6	1.9	1.3	1.0	1.0	38	34	10-15	10-21
CENTENNIAL	40.9	-	31.8	-	35.2	-	1.6	-	1.0	-	36	-	10-16	-
JEFF	42.6	-	31.2	-	35.1	-	2.5	-	1.0	-	39	-	10-16	-
TRACY M	42.8	-	31.7	-	34.9	-	1.9	-	1.1	-	36	-	10-13	-
DELTAPINE 566	37.3	41.0	29.8	-	34.4	-	1.5	-	1.0	-	38	-	10-18	-
THIGOS	39.9	-	30.1	-	34.3	-	1.7	-	1.0	-	35	-	10-9	-
HARTZ 6385	39.6	-	28.9	-	34.2	-	1.8	-	1.0	-	36	-	10-15	-
SAMPSON	42.1	-	31.0	-	34.1	-	1.5	-	1.2	-	35	-	10-19	-
COKE RA 680	38.2	-	30.6	-	34.1	-	1.8	-	1.0	-	37	-	10-16	-
BRADLEY	41.0	37.0	29.5	30.1	33.6	35.2	2.4	1.7	1.0	1.0	33	31	10-3	10-15
TERRA-VIO 616	38.1	-	28.8	-	32.8	-	2.1	-	1.0	-	39	-	10-17	-
YOUNG	40.7	40.8	30.1	30.1	32.5	35.3	1.9	1.4	1.0	1.0	38	34	10-7	10-21
FFR 648	37.0	-	29.9	-	32.1	-	1.8	-	1.0	-	37	-	10-18	-
DELTAPINE 506	38.0	-	28.9	-	30.7	-	2.3	-	1.0	-	38	-	10-17	-
O 81-234	45.4	-	34.6	-	-	-	-	-	-	-	-	-	-	-
ARROW A 6785	45.8	-	34.0	-	-	-	-	-	-	-	-	-	-	-
HARTZ X1206	42.9	-	33.8	-	-	-	-	-	-	-	-	-	-	-
AJ 82-589	38.7	39.2	33.4	-	-	-	-	-	-	-	-	-	-	-
SHARKEY	44.1	-	32.9	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6372	43.8	-	32.5	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6200	40.1	-	31.0	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 726	38.4	-	29.2	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 696	40.0	-	28.7	-	-	-	-	-	-	-	-	-	-	-
HBC BALDWIN	40.6	-	-	-	-	-	-	-	-	-	-	-	-	-
DAVIS	38.0	-	-	-	-	-	-	-	-	-	-	-	-	-
LATE														
BRAXTON	39.2	38.7	28.3	27.6	29.9	36.1	1.8	1.3	1.6	1.0	39	34	10-21	10-26
AJ 82-204	-	40.4	-	-	-	-	-	-	-	-	-	-	-	-
COKE 6727	-	40.0	-	30.3	-	-	-	-	-	-	-	-	-	-
DUOCROP	-	35.5	-	28.2	-	36.3	-	1.4	-	1.0	-	35	-	10-22
GORDON	-	34.6	-	28.9	-	-	-	-	-	-	-	-	-	-
HARTZ 7126	-	41.1	-	31.3	-	37.5	-	1.7	-	1.1	-	38	-	10-26
PIONEER 9791	-	43.3	-	-	-	-	-	-	-	-	-	-	-	-
RANSOM	-	39.3	-	29.5	-	-	-	-	-	-	-	-	-	-
TERRA-VIO 708	-	42.0	-	29.9	-	37.9	-	1.6	-	1.0	-	34	-	10-26
TEST MEANS														
L. S. D. (.05)	39.1	40.4	30.5	30.2	34.2	36.4	1.8	1.4	1.1	1.0	35	34		
C. V. (%)	6.7	4.2	6.1		7.2									
	12.3	7.4	14.4		15.1									

VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; FULL SEASON = MATURITY GROUP VI; LATE = MATURITY GROUP VII.

THE PLANTING DATE FOR FIRST PLANTING WAS MAY 16, MAY 13, AND MAY 14 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JUNE 27, JUNE 19, AND JUNE 19, RESPECTIVELY.

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE							
	CAM- DEN	PRATTVILLE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
		BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.	DATE 1
		DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
VERY EARLY											
ASGROW A 5980	20.1	22.6	-	1.1	-	1.5	-	26	-	9-24	-
BAY	11.3	26.9	-	1.0	-	3.0	-	21	-	9-21	-
BEDFORD	18.3	21.1	-	1.0	-	2.3	-	26	-	9-28	-
COKER 425	-	20.7	-	1.0	-	1.0	-	20	-	9-19	-
COKER 483	20.6	26.0	-	1.1	-	2.1	-	24	-	9-27	-
COKER 6995	23.7	-	-	1.0	-	3.0	-	19	-	-	-
DELTAPINE 105	20.7	28.0	-	1.1	-	2.6	-	23	-	9-29	-
DELTAPINE 415	12.2	27.2	-	1.0	-	2.6	-	19	-	9-20	-
FFR 561	16.5	23.9	-	1.0	-	2.9	-	20	-	9-23	-
FFR 565	22.1	22.1	-	1.5	-	1.4	-	22	-	9-23	-
FORREST	16.3	26.3	-	1.1	-	2.3	-	22	-	9-22	-
HARTZ 5164	19.8	23.8	-	1.0	-	2.3	-	22	-	9-30	-
HARTZ 5171	21.0	24.0	-	1.4	-	2.4	-	25	-	9-25	-
HARTZ 5370	16.3	22.6	-	1.0	-	2.4	-	24	-	9-26	-
NEW NK 539-19	14.2	18.9	-	1.5	-	2.4	-	23	-	9-21	-
PIONEER 9581	15.6	24.9	-	1.1	-	2.4	-	19	-	9-21	-
PIONEER 9591	15.9	22.2	-	1.0	-	2.6	-	18	-	9-24	-
TERRA-VIG 515	28.0	31.5	-	1.0	-	1.5	-	23	-	10-5	-
TN 5-85	11.6	20.4	-	1.1	-	2.8	-	20	-	9-22	-
WILSTAR 350	13.5	23.8	-	1.0	-	2.6	-	21	-	9-28	-
EARLY											
ASGROW A 6785	26.3	34.8	-	1.0	-	1.9	-	24	-	10-21	-
COKER RA 606	25.4	39.2	34.2	1.0	1.0	2.0	1.0	27	31	10-10	10-23
COKER RA 680	26.9	32.8	-	1.0	-	1.5	-	26	-	10-16	-
COKER 686	28.9	39.1	34.0	1.0	1.0	1.3	1.0	26	29	10-19	10-24
DAVIS	24.6	35.7	31.8	1.0	1.5	2.6	1.8	27	31	10-16	10-23
DELTAPINE 506	22.5	33.7	-	1.1	-	1.4	-	27	-	10-21	-
DELTAPINE 566	21.8	31.3	37.6	1.0	1.0	1.3	1.0	25	31	10-21	10-24
DELTAPINE 726	28.7	40.1	-	1.3	-	1.4	-	27	-	10-23	-
FFR 668	30.9	33.6	-	1.0	-	1.4	-	27	-	10-21	-
HARTZ 6130	24.0	40.8	-	1.0	-	1.5	-	27	-	10-15	-
HARTZ 6200	24.5	25.7	-	1.0	-	1.8	-	26	-	9-25	-
HARTZ 6385	26.5	30.5	34.4	1.1	1.0	1.1	1.0	25	31	10-17	10-24
HSC BALDWIN	26.0	37.8	-	1.1	-	1.5	-	27	-	10-17	-
LEFLORE	26.5	41.2	33.2	1.0	1.0	1.5	1.0	27	30	10-22	10-23
N. K. 569-54	27.1	34.1	36.0	1.1	2.0	1.4	1.0	24	30	10-20	10-24
PIONEER 9691	23.0	36.6	-	1.0	-	1.1	-	25	-	10-20	-
RIVERSIDE 696	26.9	43.8	-	1.1	-	1.4	-	26	-	10-19	-
SHARKEY	22.8	33.1	-	1.3	-	1.9	-	31	-	10-20	-
TRACY M	20.7	37.4	30.7	1.0	1.0	2.5	1.5	27	26	10-17	10-22
TWIGGS	22.4	30.1	-	1.0	-	1.9	-	23	-	9-25	-
YOUNG	25.3	34.6	36.7	1.0	1.3	2.6	1.5	25	32	10-8	10-23

CONTINUED ON THE FOLLOWING PAGE

TABLE 6 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE							
	CAM- DEN	PRATTVILLE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
		DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BV.	BV.	BV.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
FULL SEASON											
AU 82-204	28.4	34.0	38.6	1.0	1.0	1.5	1.5	27	29	10-23	10-27
AU 82-211	23.1	36.1	-	1.0	-	1.6	-	27	-	10-24	-
BRAXTON	25.7	26.7	36.2	1.0	1.0	1.1	1.0	25	29	10-27	10-27
COKER 6727	24.8	37.7	37.3	1.0	1.0	1.1	1.0	25	27	10-25	10-24
COKER 6847	26.0	36.8	-	1.0	-	1.1	-	28	-	10-25	-
DELTAPINE 417	25.9	24.3	41.4	1.0	1.0	1.6	1.3	31	33	10-28	10-29
FFR 771	33.6	33.7	-	1.0	-	1.3	-	30	-	10-25	-
GASOY 17	24.7	28.5	-	1.1	-	1.3	-	29	-	10-25	-
GOODON	22.4	38.5	34.8	1.1	1.0	1.4	1.0	27	30	10-21	10-26
HARTZ 7126	29.9	38.9	38.9	1.4	1.5	1.3	1.0	29	33	10-21	10-27
N. K. 872-60	29.9	34.6	41.1	1.6	2.5	1.1	1.0	28	32	10-22	10-24
PIONEER 9791	25.3	29.3	35.9	1.0	1.0	1.4	1.0	26	27	10-28	10-27
RIVERSIDE 757	25.0	36.9	-	1.4	-	1.0	-	29	-	10-25	-
STARR	23.0	29.7	-	1.0	-	1.8	-	26	-	10-26	-
TERRA-VIG 708	34.2	24.8	-	1.1	-	1.1	-	28	-	10-26	-
TERRA-VIG 717	36.0	34.0	39.8	1.4	2.5	1.3	1.3	26	29	10-25	10-27
WRIGHT	22.2	34.8	-	1.1	-	1.3	-	29	-	10-24	-
LATE											
COBB	25.9	29.9	41.5	1.0	1.3	1.4	1.3	32	34	10-30	11-4
COKER 368	26.2	38.4	40.0	1.0	1.0	1.5	1.0	30	33	10-28	10-28
COKER 488	26.5	28.9	-	1.0	-	1.3	-	30	-	10-28	-
COKER 6738	24.0	43.1	36.6	1.0	1.0	1.3	1.0	29	31	10-29	10-30
DOWLING	27.4	33.9	40.3	1.0	1.3	1.9	1.3	29	32	10-30	11-4
FOSTER	24.3	39.2	37.4	1.1	1.0	1.4	1.0	29	30	10-26	10-28
HARTZ 8112	-	-	36.6	-	1.0	-	1.0	-	33	-	10-27
HUTTON	21.8	34.0	38.1	1.0	1.0	1.4	1.0	28	29	10-28	10-31
JOHNSTON	23.1	34.6	44.0	1.0	2.0	1.4	1.0	26	31	10-28	10-29
KIRBY	22.4	38.7	36.6	1.0	1.0	1.1	1.0	28	34	10-27	10-30
TEST MEANS	23.5	31.6	37.2	1.1	1.3	1.7	1.1	26	31		
L. S. D. (.05)	7.2	8.9	4.4								
C. V. (%)	21.9	20.3	8.4								

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;
 LATE = MATURITY GROUP VIII
 MATURITY DATE DATA ONLY FROM PRATTVILLE FIELD.

TABLE 7. PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1988		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BU.	BU.	BU.	BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY														
TERRA-VIG 313	29.7	-	21.9	-	21.6	-	1.0	-	2.1	-	24	-	10-8	-
DELTAPINE 105	24.4	-	19.6	-	21.0	-	1.1	-	2.4	-	26	-	10-3	-
FORREST	21.3	-	17.0	-	18.8	-	1.0	-	2.1	-	24	-	10-2	-
COKER 485	23.3	-	18.0	-	18.8	-	1.1	-	2.5	-	24	-	10-4	-
ASGROW A 5980	21.3	-	16.5	-	18.6	-	1.0	-	2.1	-	28	-	10-2	-
HARTZ 5370	19.5	-	16.3	-	18.1	-	1.0	-	2.3	-	24	-	10-3	-
DELTAPINE 415	19.7	-	15.1	-	17.1	-	0.9	-	2.5	-	21	-	10-2	-
FFR 561	20.2	-	14.0	-	16.6	-	0.8	-	2.8	-	20	-	10-2	-
COKER 425	20.7	-	13.7	-	15.7	-	0.8	-	2.4	-	19	-	10-1	-
BAY	19.1	-	13.9	-	15.3	-	0.9	-	3.1	-	22	-	10-2	-
HARTZ 3164	21.8	-	17.0	-	-	-	-	-	-	-	-	-	-	-
WILSTAR 550	18.6	-	15.9	-	-	-	-	-	-	-	-	-	-	-
TN 5-85	16.0	-	12.1	-	-	-	-	-	-	-	-	-	-	-
COKER 6995	23.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 5171	22.5	-	-	-	-	-	-	-	-	-	-	-	-	-
FFR 565	22.1	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9581	20.2	-	-	-	-	-	-	-	-	-	-	-	-	-
BEDFORD	19.7	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9591	19.0	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW NK 859-19	16.5	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
ASGROW A 6785	30.6	-	21.8	-	23.9	-	1.1	-	2.0	-	27	-	10-14	-
LEFLORE	33.8	33.2	23.0	27.5	23.4	-	1.0	-	1.6	-	28	-	10-18	-
PIONEER 9691	29.8	-	22.1	-	23.0	-	1.1	-	1.4	-	27	-	10-20	-
COKER RA 680	29.8	-	21.5	-	22.7	-	1.0	-	1.5	-	27	-	10-17	-
COKER RA 606	32.3	34.2	22.2	26.7	22.6	-	1.0	-	2.5	-	30	-	10-13	-
FFR 668	32.2	-	23.1	-	22.5	-	1.1	-	1.5	-	27	-	10-22	-
HARTZ 6385	28.5	34.4	20.1	26.2	22.2	-	1.0	-	1.4	-	26	-	10-17	-
YOUNG	29.9	36.7	20.5	27.4	22.0	-	1.2	-	2.7	-	29	-	10-12	-
DAVIS	30.2	31.8	20.7	25.7	21.8	-	1.0	-	2.5	-	30	-	10-15	-
TWIGGS	26.2	-	20.2	-	21.6	-	0.9	-	1.8	-	26	-	10-10	-
TRACY M	29.0	30.7	21.2	22.9	21.4	-	1.1	-	2.1	-	28	-	10-17	-
RIVERSIDE 696	35.4	-	23.4	-	-	-	-	-	-	-	-	-	-	-
COKER 686	34.0	34.0	23.2	27.5	-	-	-	-	-	-	-	-	-	-
N. K 869-54	30.6	36.0	21.4	28.1	-	-	-	-	-	-	-	-	-	-
SHARKEY	28.0	-	20.3	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6200	25.1	-	18.7	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 726	34.4	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6130	32.4	-	-	-	-	-	-	-	-	-	-	-	-	-
HSC BALDWIN	31.9	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 506	28.1	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 566	26.5	37.6	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 7 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1988		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BU.	BU.	BU.	BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
FULL SEASON														
TERRA-VIO 717	35.0	39.8	25.1	-	24.7	-	1.1	-	1.3	-	27	-	10-22	-
N. K. S72-60	32.3	41.1	22.4	29.5	23.4	-	1.5	-	1.4	-	30	-	10-21	-
COKER 6727	31.3	37.3	22.2	30.3	22.8	-	1.1	-	1.3	-	26	-	10-23	-
HARTZ 7126	34.4	38.9	23.6	29.6	22.8	-	1.2	-	1.5	-	29	-	10-20	-
FFR 771	33.6	-	24.1	-	22.7	-	1.0	-	1.3	-	32	-	10-25	-
WRIGHT	28.5	-	20.5	-	22.0	-	1.1	-	1.3	-	30	-	10-22	-
TERRA-VIO 708	29.5	-	21.8	-	22.0	-	1.1	-	1.3	-	27	-	10-23	-
AU 82-204	31.2	38.6	21.8	-	21.7	-	0.9	-	1.5	-	25	-	10-21	-
GORDON	30.4	34.8	21.0	28.4	21.6	-	1.1	-	1.5	-	28	-	10-22	-
GASOY 17	26.6	-	20.8	-	21.2	-	1.0	-	1.3	-	30	-	10-25	-
BRAXTON	26.2	36.2	19.4	25.0	20.2	-	0.9	-	1.3	-	29	-	10-25	-
STARR	26.4	-	20.0	-	19.0	-	0.8	-	1.7	-	27	-	10-25	-
DELTAPINE 417	25.1	41.4	18.9	27.8	18.9	-	0.9	-	1.5	-	33	-	10-25	-
COKER 6847	31.4	-	22.1	-	-	-	-	-	-	-	-	-	-	-
AU 82-211	29.6	-	21.2	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9791	27.3	35.9	20.4	29.4	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 757	30.9	-	-	-	-	-	-	-	-	-	-	-	-	-
LATE														
COKER 368	32.3	40.0	23.0	27.5	23.4	-	1.2	-	1.5	-	31	-	10-26	-
FOSTER	31.8	37.4	22.2	28.1	23.3	-	1.3	-	1.4	-	29	-	10-24	-
DOWLING	30.6	40.3	22.2	29.5	22.1	-	1.1	-	1.6	-	31	-	10-29	-
COBB	27.9	41.5	20.7	26.8	21.7	-	1.1	-	1.8	-	34	-	10-26	-
JOHNSTON	28.9	44.0	21.5	33.3	21.6	-	1.1	-	1.3	-	27	-	10-24	-
KIRBY	30.5	36.6	21.6	24.0	20.3	-	1.1	-	1.5	-	31	-	10-29	-
HUTTON	27.9	38.1	20.5	25.3	19.7	-	1.0	-	1.3	-	29	-	10-27	-
COKER 6738	33.6	36.6	23.7	28.4	-	-	-	-	-	-	-	-	-	-
COKER 488	27.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 8112	-	36.6	-	-	-	-	-	-	-	-	-	-	-	-
TEST MEANS	27.5	37.2	20.3	27.6	21.1	-	1.0	-	1.8	-	27	-		
L. S. D. (.05)	7.9	4.4	6.1		9.2									
C. V. (%)	20.6	8.4	21.5		31.5									

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII; LATE = MATURITY GROUP VIII.
 THE PLANTING DATE FOR FIRST PLANTING WAS MAY 29, MAY 27, AND MAY 24 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JUNE 27, 1988, AND JUNE 26, 1987-88.

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE BU.	AVERAGE			MATURITY DATE
		LODGING SCORE	SHATTERING SCORE	PLANT HEIGHT IN.	
<u>VERY EARLY</u>					
COKER 6955	19.4	1.0	1.7	20	10-1
HARTZ 5370	14.8	1.0	1.5	18	10-9
NEW NK S59-19	13.7	1.5	1.0	20	10-10
DELTAPINE 105	13.4	1.0	1.3	18	10-4
NAROW	12.6	1.0	1.8	17	9-27
HUTCHESON	8.9	1.0	2.0	15	10-11
COKER 6995	8.9	1.0	1.0	15	10-11
DELTAPINE 415	8.6	1.0	1.0	13	10-13
TOANA	7.8	1.0	2.0	16	10-6
WILSTAR 550	7.2	1.0	1.3	16	10-15
AVERY	7.1	1.0	1.0	19	10-13
BAY	6.7	1.0	2.3	16	10-13
HARTZ 5164	6.6	1.0	1.3	15	10-23
TN 5-85	5.5	1.0	1.7	13	10-13
NB3-375	5.5	1.0	1.0	16	10-17
FORREST	5.4	1.0	1.0	16	10-13
<u>EARLY</u>					
DELTAPINE 506	17.5	1.3	1.0	22	10-18
DAVIS	15.8	1.3	1.3	21	10-13
TERRA-VIC 616	15.5	1.0	1.8	20	10-17
AU 82-589	14.7	1.0	1.3	18	10-17
PIONEER 9691	13.8	1.0	1.5	16	10-23
COKER RA 606	11.9	1.0	1.3	20	10-13
YOUNG	11.6	1.5	2.3	21	10-12
SAMPSON	10.7	1.3	1.0	18	10-16
HARTZ 6385	10.6	1.0	1.0	18	10-16
SHARKEY	10.6	1.5	1.3	19	10-24
LEFLORE	10.5	1.0	2.0	18	10-22
DELTAPINE 726	10.3	1.0	1.3	19	10-19
TRACY M	10.0	1.3	1.5	20	10-16
ASOROW A 6785	9.8	1.0	2.0	17	10-18
BRADLEY	8.5	1.0	1.0	14	10-14
DB2-3885	5.8	1.0	1.0	15	10-14
G 81-234	5.1	1.0	1.8	12	10-20
HARTZ 6372	3.7	1.0	1.0	14	10-26

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TABLE 8 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE BU.	LODDING SCORE	SHATTERING SCORE	AVERAGE	
				PLANT HEIGHT IN.	MATURITY DATE
FULL SEASON					
COKER 6847	22.7	1.0	1.3	21	10-24
COKER 6727	21.3	1.0	1.5	21	10-19
THOMAS	20.2	1.0	1.8	23	10-20
AU 82-204	19.5	1.3	1.3	19	10-22
GREGG	18.9	1.3	1.5	20	10-23
PIONEER 9751	15.8	1.0	1.0	20	10-24
AU 82-211	15.8	1.5	1.3	21	10-21
N. K. S72-60	14.9	1.8	1.3	22	10-21
BRAXTON	14.3	1.0	1.0	20	10-24
RB2-368	13.4	1.3	1.3	22	10-25
RANSOM	13.2	1.0	1.0	19	10-23
HARTZ X1893	11.7	1.0	1.3	17	10-25
DUOCROP	11.4	1.0	1.8	22	10-19
DELTAPINE 417	11.3	1.0	1.3	19	10-21
STARR	10.7	1.0	1.5	16	10-19
GASOY 17	10.5	1.0	1.0	19	10-19
AU 83-1018	10.5	1.0	2.0	15	10-16
RIVERSIDE 707	9.5	1.3	1.0	21	10-26
NEW NK S74-40	7.6	1.0	1.0	17	10-19
LATE					
HARTZ 8112	12.3	1.0	1.0	20	10-23
COKER 188	12.3	1.0	1.0	20	10-26
JOHNSTON	10.9	1.3	1.0	19	10-22
COBB	10.8	1.0	1.0	21	10-25
DOWLING	9.7	1.0	2.3	19	10-23
HUTTON	5.4	1.0	1.3	16	10-20
TEST MEANS					
	11.6	1.1	1.4	18	
L. S. D. (.05)	5.6				
C. V. (%)	37.2				

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI;
 FULL SEASON = MATURITY GROUP VII; LATE = MATURITY GROUP VIII.

TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES ON SUMMER SOIL, MARION JUNCTION, ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			MATURITY DATE
	1988	2-YR. AV.	3-YR. AV.	LODGING	SHATTERING	PLANT HEIGHT	
	BU.	BU.	BU.	SCORE	SCORE	IN.	
VERY EARLY							
DELTAPINE 105	13.4	15.9	18.9	1.0	1.2	19	10-1
HARTZ 5370	14.8	17.3	18.3	1.0	1.4	19	10-1
WILSTAR 550	7.2	12.7	17.4	1.0	1.3	18	10-4
BAY	6.7	8.7	10.7	1.0	1.8	16	10-4
FORREST	5.4	9.1	8.4	1.1	1.1	15	10-7
NAROW	12.6	16.4	-	-	-	-	-
COKER 6955	19.4	-	-	-	-	-	-
NEW NK 559-19	13.7	-	-	-	-	-	-
HUTCHESON	8.9	-	-	-	-	-	-
COKER 6995	8.9	-	-	-	-	-	-
DELTAPINE 415	8.6	-	-	-	-	-	-
TOANA	7.8	-	-	-	-	-	-
AVERY	7.1	-	-	-	-	-	-
HARTZ 5164	6.6	-	-	-	-	-	-
TN 5-85	5.5	-	-	-	-	-	-
N83-375	5.5	-	-	-	-	-	-
EARLY							
DAVIS	15.8	16.4	22.3	1.4	1.3	26	10-8
DELTAPINE 506	17.5	17.6	21.9	1.4	1.0	25	10-13
TRACY M	10.0	12.7	19.0	1.3	1.6	22	10-11
YOUNG	11.6	12.7	18.5	1.8	1.8	24	10-7
COKER RA 606	11.9	13.5	17.4	1.3	1.3	26	10-6
TERRA-VIG 616	15.5	14.6	16.5	1.2	1.3	22	10-11
LEFLORE	10.5	12.3	15.0	1.0	1.5	20	10-15
PIONEER 9691	13.8	15.6	-	-	-	-	-
AU 82-589	14.7	14.4	-	-	-	-	-
SHARKEY	10.6	10.3	-	-	-	-	-
SAMPSON	10.7	-	-	-	-	-	-
HARTZ 6385	10.6	-	-	-	-	-	-
DELTAPINE 726	10.3	-	-	-	-	-	-
ASGROW A 6785	9.8	-	-	-	-	-	-
BRADLEY	8.5	-	-	-	-	-	-
D82-3885	5.8	-	-	-	-	-	-
O 81-234	5.1	-	-	-	-	-	-
HARTZ 6372	3.7	-	-	-	-	-	-

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TABLE 9 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA.
3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE			LODGING SCORE	SHATTERING SCORE	3-YEAR AVERAGE PLANT HEIGHT IN.	MATURITY DATE
	1988 BU.	2-YR. AV. BU.	3-YR. AV. BU.				
FULL SEASON							
BRAXTON	14.3	16.5	21.2	1.0	1.0	26	10-19
RANSOM	13.2	15.2	20.4	1.0	1.1	23	10-15
AU 82-204	19.5	17.8	20.4	1.1	1.3	21	10-18
N. K. 872-60	14.9	15.3	18.3	1.7	1.3	24	10-16
DELTAPINE 417	11.3	12.5	15.7	1.1	1.3	24	10-18
DUOCROP	11.4	13.1	15.6	1.0	1.3	27	10-11
GASOY 17	10.5	13.0	15.3	1.0	1.0	22	10-16
STARR	10.7	9.9	11.6	1.0	1.6	17	10-17
COKER 6847	22.7	21.4	-	-	-	-	-
COKER 6727	21.3	20.0	-	-	-	-	-
AU 82-211	15.8	16.4	-	-	-	-	-
THOMAS	20.2	-	-	-	-	-	-
GREGG	18.9	-	-	-	-	-	-
PIONEER 9751	15.8	-	-	-	-	-	-
RB2-368	13.4	-	-	-	-	-	-
HARTZ X1893	11.7	-	-	-	-	-	-
AU 83-1018	10.5	-	-	-	-	-	-
RIVERSIDE 707	9.5	-	-	-	-	-	-
NEW NK 874-40	7.6	-	-	-	-	-	-
LATE							
JOHNSTON	10.9	12.7	17.9	1.3	1.1	23	10-17
HARTZ 8112	12.3	13.8	15.8	1.0	1.0	22	10-18
DOWLING	9.7	13.4	14.5	1.1	1.8	21	10-22
COBB	10.8	12.8	14.1	1.2	1.8	25	10-20
HUTTON	5.4	8.8	12.1	1.1	1.2	23	10-17
COKER 488	12.3	-	-	-	-	-	-
TEST MEANS	11.6	14.1	16.7	1.2	1.3	22	
L. S. D. (.05)	5.6	5.3	7.4				
C. V. (%)	37.5	21.6	21.1				

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;
LATE = MATURITY GROUP VIII.

THE PLANTING DATE FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES WAS MAY 27, MAY 31, AND MAY 26,
RESPECTIVELY.

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE DATE 2 PLANTING	AVERAGE, DATE 2 PLANTING			MATURITY DATE
		LODGING	SHATTERING	PLANT HEIGHT	
	BV.	SCORE	SCORE	IN.	
<u>EARLY</u>					
COKER RA 606	26.0	1.0	1.0	27	11-6
COKER 686	19.9	1.0	1.0	20	10-28
DAVIS	27.1	1.0	1.0	27	11-3
DELTAPINE 566	11.8	1.0	1.0	18	10-31
HARTZ 6130	17.1	1.0	1.0	24	10-27
LEFLORE	13.4	1.0	1.0	20	10-26
SHARKEY	19.1	1.0	1.0	24	10-29
TRACY M	14.6	1.0	1.0	21	10-25
YOUNG	25.5	1.0	1.0	26	11-4
<u>FULL SEASON</u>					
AU 82-204	20.0	1.0	1.0	20	11-3
BRAXTON	12.5	1.0	1.0	21	11-2
COKER 6727	19.7	1.0	1.0	22	10-30
DELTAPINE 417	20.9	1.0	1.0	21	11-4
GORDON	16.8	1.0	1.0	20	10-29
HARTZ 7126	21.4	1.0	1.0	24	11-4
N. K. S72-60	17.1	1.0	1.0	24	11-6
PIONEER 9791	13.5	1.0	1.0	16	11-2
WRIGHT	17.9	1.0	1.0	22	11-4
<u>LATE</u>					
COBB	22.4	1.0	1.0	25	11-6
COKER 368	24.1	1.0	1.0	24	11-4
COKER 488	21.7	1.0	1.0	24	11-5
COKER 6738	14.4	1.0	1.0	20	11-7
DOWLING	21.9	1.0	1.0	23	11-11
HARTZ 8112	18.8	1.0	1.0	22	11-8
HUTTON	5.9	1.0	1.0	13	11-3
JOHNSTON	30.0	1.0	1.0	25	11-6
KIRBY	20.2	1.0	1.0	21	11-4
TEST MEANS	19.0	1.0	1.0	22	
L. S. D. (.05)	3.8				
C. V. (%)	27.7				

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII; LATE = MATURITY GROUP VIII.

TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE				PLANT HEIGHT		MATURITY DATE	
	1988		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		DATE 1	DATE 2	DATE 1	DATE 2
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	IN.	IN.	DATE 1	DATE 2
	BV.	BV.	BV.	BV.	BV.	BV.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
EARLY														
COKER RA 606	-	26.0	-	30.4	-	-	-	-	-	-	-	-	-	-
COKER 686	-	19.9	-	-	-	-	-	-	-	-	-	-	-	-
DAVIS	-	27.1	-	32.0	-	-	-	-	-	-	-	-	-	-
DELTAPINE 566	-	11.8	-	24.2	-	-	-	-	-	-	-	-	-	-
HARTZ 6130	-	17.1	-	24.2	-	-	-	-	-	-	-	-	-	-
LEFLORE	-	13.4	-	21.8	-	-	-	-	-	-	-	-	-	-
SHARKEY	-	19.1	-	-	-	-	-	-	-	-	-	-	-	-
TRACY M	-	14.6	-	21.4	-	-	-	-	-	-	-	-	-	-
YOUNG	-	25.5	-	31.2	-	-	-	-	-	-	-	-	-	-
FULL SEASON														
AU 82-204	-	20.0	-	-	-	-	-	-	-	-	-	-	-	-
BRAXTON	-	12.5	-	24.4	-	-	-	-	-	-	-	-	-	-
COKER 6727	-	19.7	-	27.4	-	-	-	-	-	-	-	-	-	-
DELTAPINE 417	-	20.9	-	26.9	-	-	-	-	-	-	-	-	-	-
GORDON	-	16.8	-	25.3	-	-	-	-	-	-	-	-	-	-
HARTZ 7126	-	21.4	-	26.9	-	-	-	-	-	-	-	-	-	-
N. K. S72-60	-	17.1	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9791	-	13.5	-	22.8	-	-	-	-	-	-	-	-	-	-
WRIGHT	-	17.9	-	25.9	-	-	-	-	-	-	-	-	-	-
LATE														
COBB	-	22.4	-	27.4	-	-	-	-	-	-	-	-	-	-
COKER 368	-	24.1	-	29.1	-	-	-	-	-	-	-	-	-	-
COKER 488	-	21.7	-	-	-	-	-	-	-	-	-	-	-	-
COKER 6738	-	14.4	-	-	-	-	-	-	-	-	-	-	-	-
DOWLING	-	21.9	-	27.7	-	-	-	-	-	-	-	-	-	-
HARTZ 8112	-	18.8	-	27.0	-	-	-	-	-	-	-	-	-	-
HUTTON	-	5.9	-	17.2	-	-	-	-	-	-	-	-	-	-
JOHNSTON	-	30.0	-	32.3	-	-	-	-	-	-	-	-	-	-
KIRBY	-	20.2	-	25.2	-	-	-	-	-	-	-	-	-	-
TEST MEANS	-	19.0	-	26.2	-	-	-	-	-	-	-	-	-	-
L. S. D. (.05)	-	3.8	-	-	-	-	-	-	-	-	-	-	-	-
C. V. (%)	-	27.7	-	-	-	-	-	-	-	-	-	-	-	-

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;
 LATE = MATURITY GROUP VIII.
 THE PLANTING DATE FOR SECOND PLANTING WAS JULY 20 AND JULY 8 FOR 1-YEAR AND 2-YEAR AVERAGES, RESPECTIVELY.

TABLE 12. PERFORMANCE OF EARLY PLANTED SOYBEAN VARIETIES AT BREWTON, ALABAMA, 1986 & 1988

BRAND-VARIETY	YIELD PER ACRE		AVERAGE				PLANT HEIGHT		MATURITY DATE	
	1988	2-YR AV.	LODGING		SHATTERING		1988	2-YR AV.	1988	2-YR AV.
	BV.	BV.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
EARLY										
ASGROW A 5980	33.3	40.4	2.0	1.8	1.0	1.0	36	35	9-16	9-16
BAY	27.8	41.0	1.0	1.0	1.0	1.0	28	27	9-13	9-13
COKER 485	40.0	-	1.0	-	1.0	-	29	-	9-21	-
DELTAPINE 105	39.7	48.3	1.5	1.4	1.0	1.0	33	33	9-15	9-15
DELTAPINE 415	39.8	46.7	1.0	1.0	1.0	1.0	26	26	9-14	9-14
FFR 561	35.5	-	1.0	-	1.0	-	29	-	9-14	-
FFR 562	37.0	-	1.3	-	1.0	-	33	-	9-18	-
FFR 565	37.1	-	1.8	-	1.0	-	36	-	9-16	-
FORREST	32.0	38.5	1.3	1.1	1.0	1.0	31	28	9-15	9-15
HARTZ 5164	40.4	47.2	1.3	1.1	1.0	1.0	34	31	9-16	9-16
HARTZ 5171	41.1	-	2.0	-	1.0	-	36	-	9-20	-
HARTZ 5370	35.3	-	1.0	-	1.0	-	28	-	9-15	-
PIONEER 9581	36.5	-	1.0	-	1.0	-	29	-	9-17	-
PIONEER 9591	42.0	49.7	1.0	1.0	1.0	1.0	24	23	9-17	9-17
TERRA-VIG 515	39.7	-	1.0	-	1.0	-	30	-	9-30	-
TERRA-VIG 553	37.2	-	1.3	-	1.0	-	30	-	9-13	-
MEDIUM										
ASGROW A 6785	40.2	-	2.3	-	1.0	-	32	-	9-30	-
BRADLEY	36.7	-	1.3	-	1.0	-	29	-	10-1	-
COKER RA 606	39.0	42.2	2.0	1.5	1.0	1.0	38	37	9-24	9-24
COKER 686	40.0	-	1.0	-	1.0	-	31	-	10-5	-
DAVIS	33.3	40.1	2.0	1.5	1.0	1.0	34	35	9-29	9-29
DELTAPINE 506	31.1	-	1.0	-	1.0	-	28	-	10-8	-
DELTAPINE 566	39.8	-	1.0	-	1.0	-	29	-	10-5	-
HARTZ 6385	41.0	-	1.0	-	1.0	-	31	-	10-7	-
JEFF	36.6	40.3	1.3	1.1	1.0	1.0	30	32	10-5	10-5
LEFLORE	38.7	-	1.0	-	1.0	-	30	-	9-28	-
N. K. S69-54	40.2	-	1.0	-	1.0	-	26	-	10-4	-
PIONEER 9691	35.7	-	1.3	-	1.0	-	27	-	10-5	-
SHARKEY	39.0	-	2.3	-	1.0	-	36	-	10-2	-
TRACY M	36.7	-	1.3	-	1.0	-	26	-	9-26	-
YOUNG	36.9	44.8	1.8	1.4	1.0	1.0	33	34	9-24	9-24
FULL SEASON										
BRAXTON	37.1	39.5	1.0	1.0	1.0	1.0	34	35	10-11	10-11
TEST MEANS	37.4	43.2	1.3	1.2	1.0	1.0	31	31		
L. S. D. (.05)	5.8									
C. V. (%)	8.6									

VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII.
 THE PLANTING DATE FOR THE EARLY PLANTING WAS APRIL 28, 1988, AND MAY 14, 1986.

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE							
	BREWTON		HEAD- LAND	LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2		DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BV.	BV.	BV.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
<u>VERY EARLY</u>											
ASGROW A 5980	28.8	-	31.4	1.5	-	1.0	-	34	-	10-9	-
BAY	33.5	-	13.6	1.5	-	1.0	-	28	-	10-6	-
COKER 483	41.1	-	18.6	1.8	-	1.0	-	28	-	10-12	-
DELTAPINE 105	37.8	-	24.9	1.5	-	1.0	-	28	-	10-6	-
FORREST	35.1	-	22.4	1.6	-	1.0	-	30	-	10-6	-
HARTZ 5171	36.6	-	21.6	2.0	-	1.0	-	33	-	10-5	-
HARTZ 5370	38.4	-	23.0	1.8	-	1.0	-	32	-	10-10	-
TERRA-VIO 515	37.7	-	25.6	1.4	-	1.0	-	33	-	10-12	-
<u>EARLY</u>											
ASGROW A 6785	46.0	-	30.0	1.9	-	1.0	-	33	-	10-24	-
COKER RA 606	36.9	27.1	28.9	1.9	1.0	1.0	1.0	34	19	10-10	10-24
COKER RA 680	41.5	-	34.6	1.5	-	1.0	-	32	-	10-17	-
COKER 686	34.0	28.4	30.4	1.1	1.0	1.0	1.0	32	18	10-23	10-21
DAVIS	36.3	34.4	34.0	1.9	1.0	1.0	1.0	35	22	10-25	10-30
DELTAPINE 506	34.5	-	31.6	1.6	-	1.0	-	30	-	10-25	-
DELTAPINE 566	34.6	-	35.0	1.4	-	1.0	-	34	-	10-25	-
FFR 668	40.1	-	37.1	1.4	-	1.0	-	30	-	10-23	-
HARTZ 6130	37.6	-	29.3	1.4	-	1.0	-	30	-	10-13	-
HARTZ 6200	36.4	-	24.7	1.6	-	1.0	-	32	-	10-7	-
HARTZ 6385	39.0	24.8	29.6	1.5	1.0	1.0	1.0	31	19	10-14	10-23
JEFF	35.8	25.3	28.9	1.8	1.0	1.0	1.0	33	19	10-24	10-23
LEFLORE	35.9	19.6	36.5	1.4	1.0	1.0	1.0	34	18	10-13	10-21
N. K. S69-34	40.0	24.1	28.1	1.8	1.0	1.0	1.0	30	18	10-25	10-21
PIONEER 9691	35.7	-	38.4	1.3	-	1.0	-	31	-	10-22	-
SHARKEY	34.8	24.5	30.4	1.9	1.0	1.0	1.0	36	20	10-22	10-24
TERRA-VIO 616	37.1	24.5	34.8	1.4	1.0	1.0	1.0	33	17	10-15	10-23
TRACY M	34.0	-	27.0	1.9	-	1.0	-	31	-	10-22	-
TWIGGS	37.5	-	17.8	1.4	-	1.0	-	31	-	10-13	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 13 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE							
	BREWTON		HEAD- LAND	LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2		DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
FULL SEASON											
AU 82-204	38.9	25.9	33.7	1.5	1.0	1.0	1.0	34	17	10-13	10-27
AU 82-211	36.5	-	29.1	1.4	-	1.0	-	33	-	10-14	-
AU 83-1018	38.3	-	30.6	1.0	-	1.0	-	24	-	10-24	-
BRAXTON	37.5	21.7	39.0	1.1	1.0	1.0	1.0	34	17	10-29	10-27
COKER 6727	43.8	29.1	31.9	1.3	1.0	1.0	1.0	31	19	10-14	10-25
COKER 6817	39.5	-	35.6	1.0	-	1.0	-	35	-	10-23	-
DELTAPINE 417	32.3	29.0	45.1	1.8	1.0	1.0	1.0	38	18	10-26	10-29
DUOCROP	28.2	-	20.7	1.9	-	1.0	-	50	-	10-14	-
FFR 771	36.9	-	38.4	1.3	-	1.0	-	37	-	10-28	-
GASOY 17	32.8	30.1	41.7	1.6	1.0	1.0	1.0	35	18	10-30	10-25
GORDON	37.1	-	39.4	1.4	-	1.0	-	33	-	10-20	-
GREGG	34.2	-	36.3	1.9	-	1.0	-	31	-	10-25	-
HARTZ 7126	35.9	32.9	43.6	1.6	1.0	1.0	1.0	30	20	10-18	10-30
N. K. 872-60	38.1	-	40.5	2.1	-	1.0	-	33	-	10-16	-
PIONEER 9791	40.4	22.7	41.5	1.5	1.0	1.0	1.0	29	16	10-25	10-25
RIVERSIDE 707	34.8	-	35.6	2.0	-	1.0	-	37	-	10-18	-
STARR	35.9	20.1	33.1	1.1	1.0	1.0	1.0	29	16	10-26	10-27
TERRA-VIG 708	37.5	-	32.1	1.6	-	1.0	-	34	-	10-27	-
TERRA-VIG 717	41.4	28.9	34.8	1.9	1.0	1.0	1.0	30	18	10-26	10-26
WRIGHT	35.5	-	38.1	2.0	-	1.0	-	33	-	10-27	-
FULL SEASON, LATE											
COBB	28.7	33.6	50.2	1.5	1.0	1.0	1.0	39	23	11-6	11-5
COKER 368	39.1	24.8	43.8	1.4	1.0	1.0	1.0	38	20	10-26	10-26
COKER 488	39.9	-	35.6	1.9	-	1.0	-	37	-	10-27	-
COKER 6738	35.6	-	43.1	1.0	-	1.0	-	34	-	10-25	-
DOWLING	33.4	22.7	45.7	1.6	1.0	1.0	1.0	37	18	10-31	11-1
FOSTER	-	23.5	-	-	1.0	-	1.0	-	17	-	10-27
HARTZ 8112	36.4	26.8	34.8	1.0	1.0	1.0	1.0	34	21	10-30	10-30
HUTTON	35.8	14.3	37.1	1.4	1.0	1.0	1.0	35	15	10-29	10-29
JOHNSTON	42.0	28.7	36.0	1.4	1.0	1.0	1.0	31	19	10-25	10-29
KIRBY	37.0	22.4	39.0	1.5	1.0	1.0	1.0	34	19	10-27	10-29
SANTA ROSA R	-	26.5	-	-	1.0	-	1.0	-	26	-	11-2
TEST MEANS											
TEST MEANS	36.8	25.8	33.1	1.5	1.0	1.0	1.0	33	19		
L. S. D. (.05)	4.7	4.4	10.5								
C. V. (%)	9.1	12.1	22.7								

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;
 FULL SEASON, LATE = MATURITY GROUP VIII.

TABLE 14. PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1989		2-YR. AV.		3-YR. AV.		LDDING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BV.	BV.	BV.	BV.	BV.	BV.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY														
FORREST	28.8	-	25.2	-	27.9	-	1.3	-	1.8	-	27	-	9-28	-
ASGROW A 5980	30.1	-	28.2	-	-	-	-	-	-	-	-	-	-	-
COKER 485	29.9	-	27.4	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIO 515	31.7	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 103	31.3	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 5370	30.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 5171	29.1	-	-	-	-	-	-	-	-	-	-	-	-	-
BAY	23.6	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
LEFLORE	36.2	19.6	33.2	-	35.4	-	1.3	-	1.8	-	32	-	10-8	-
TERRA-VIO 616	36.0	24.5	32.8	-	34.7	-	1.2	-	1.6	-	31	-	10-11	-
DAVIS	35.2	34.4	30.8	34.5	33.9	34.7	1.7	1.0	2.0	1.0	32	26	10-14	10-18
COKER RA 680	38.0	-	31.7	-	33.5	-	1.2	-	1.3	-	31	-	10-9	-
COKER RA 606	32.9	27.1	30.5	-	33.4	-	1.5	-	1.6	-	32	-	10-4	-
N. K. 869-54	34.1	24.1	31.9	27.0	33.4	29.4	1.3	1.2	1.3	1.0	29	23	10-14	10-14
DELTAPINE 566	34.8	-	29.2	-	32.1	-	1.1	-	1.0	-	30	-	10-12	-
JEFF	32.3	25.3	28.2	28.4	30.5	29.3	1.5	1.2	1.4	1.0	31	25	10-14	10-15
DELTAPINE 506	33.0	-	29.5	-	30.3	-	1.3	-	1.4	-	30	-	10-15	-
TWIGGS	27.6	-	26.8	-	30.1	-	1.1	-	1.1	-	28	-	10-8	-
TRACY M	30.5	-	28.2	-	29.5	-	1.4	-	1.6	-	30	-	10-10	-
ASGROW A 6785	38.0	-	33.6	-	-	-	-	-	-	-	-	-	-	-
SHARKEY	32.6	24.5	30.8	27.9	-	-	-	-	-	-	-	-	-	-
HARTZ 6385	34.3	24.8	30.5	28.5	-	-	-	-	-	-	-	-	-	-
COKER 686	32.2	28.4	29.2	29.2	-	-	-	-	-	-	-	-	-	-
FFR 668	38.6	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9691	37.1	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6130	33.4	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6200	30.5	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 14 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1988		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BV.	BV.	BV.	BV.	BV.	BV.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
FULL SEASON														
PIONEER 9791	41.0	22.7	37.5	27.8	39.1	-	1.2	-	1.3	-	28	-	10-17	-
COKER 6727	37.9	29.1	35.2	-	36.5	-	1.1	-	1.0	-	29	-	10-12	-
BRAXTON	38.3	21.7	35.1	27.8	36.3	28.6	1.1	1.0	1.0	1.0	32	23	10-20	10-18
GASOY 17	37.2	30.1	34.9	35.0	35.7	34.4	1.4	1.0	1.0	1.0	33	25	10-20	10-19
COKER 6847	37.6	-	33.6	-	35.3	-	1.0	-	1.0	-	32	-	10-15	-
AU 82-204	36.3	25.9	33.6	-	35.0	-	1.2	-	1.3	-	31	-	10-10	-
TERRA-V10 717	38.1	28.9	33.2	32.9	35.0	28.7	1.4	1.0	1.1	1.0	29	22	10-18	10-18
FFR 771	37.7	-	32.8	-	34.5	-	1.3	-	1.0	-	35	-	10-20	-
GORDON	38.3	-	33.9	-	34.4	-	1.4	-	1.0	-	32	-	10-12	-
N. K. 572-60	39.3	-	34.2	-	34.2	-	1.8	-	1.3	-	31	-	10-13	-
DELTAPINE 417	38.7	29.0	33.5	33.5	33.6	32.8	1.4	1.0	1.5	1.0	36	25	10-18	10-20
HARTZ 7126	39.8	32.9	33.7	34.7	33.3	30.7	1.5	1.0	1.0	1.0	30	26	10-13	10-18
WRIGHT	36.8	-	32.1	-	32.8	-	1.8	-	1.4	-	30	-	10-19	-
TERRA-V10 708	34.8	-	32.2	-	32.2	-	1.3	-	1.3	-	32	-	10-20	-
STARR	34.5	20.1	29.3	26.0	30.0	27.8	1.2	1.0	1.4	1.0	28	20	10-17	10-18
DUOCROP	24.4	-	23.5	-	24.4	-	1.9	-	1.4	-	45	-	10-6	-
AU 82-251	32.8	-	29.0	-	-	-	-	-	-	-	-	-	-	-
GREGG	35.3	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 707	35.2	-	-	-	-	-	-	-	-	-	-	-	-	-
AU 83-1Q18	34.4	-	-	-	-	-	-	-	-	-	-	-	-	-
FULL SEASON, LATE														
COKER 368	41.4	24.8	34.7	27.7	35.7	28.8	1.3	1.0	1.1	1.0	34	26	10-19	10-20
JOHNSTON	39.0	28.7	33.1	32.5	34.4	33.0	1.3	1.0	1.0	1.0	30	23	10-18	10-21
DOWLING	39.6	22.7	33.2	30.7	33.2	27.9	1.4	1.0	1.3	1.1	32	24	10-26	10-26
COKER 6738	39.3	-	33.0	-	33.0	-	1.0	-	1.0	-	32	-	10-17	-
COBB	39.4	33.6	34.7	35.8	32.7	34.5	1.6	1.0	1.1	1.0	35	29	10-28	10-28
KIRBY	38.0	22.4	31.9	27.9	32.1	27.7	1.2	1.0	1.3	1.0	32	26	10-20	10-23
HARTZ 8112	35.6	26.8	30.5	29.6	29.8	-	1.0	-	1.0	-	31	-	10-21	-
HUTTON	36.5	14.3	30.1	21.2	28.4	21.3	1.1	1.0	1.0	1.0	31	21	10-21	10-22
COKER 488	37.7	-	-	-	-	-	-	-	-	-	-	-	-	-
FOSTER	-	23.5	-	28.0	-	27.3	-	1.0	-	1.0	-	22	-	10-21
SANTA ROSA R	-	26.5	-	23.7	-	18.3	-	1.5	-	1.0	-	32	-	10-29
TEST MEANS														
	35.0	25.8	31.5	29.6	33.0	29.1	1.3	1.0	1.3	1.0	31	24		
L. S. D. (.05)	6.8	4.4	6.5		6.4									
C. V. (%)	13.9	12.1	14.9		14.0									

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;
 FULL SEASON, LATE = MATURITY GROUP VIII.
 THE PLANTING DATE FOR FIRST PLANTING WAS MAY 25, MAY 30, AND MAY 29 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES,
 RESPECTIVELY, AND SECOND PLANTING DATE WAS JULY 14, JULY 9, AND JULY 7, RESPECTIVELY.

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
<u>VERY EARLY</u>										
COKER 485	49.6	-	3.0	-	1.0	-	35	-	10-7	-
HARTZ 5164	49.4	-	3.0	-	1.0	-	38	-	10-8	-
COKER 425	46.8	-	1.0	-	1.0	-	26	-	10-1	-
FORREST	46.2	-	2.5	-	1.0	-	37	-	10-3	-
DELTAPINE 105	44.7	-	2.5	-	1.0	-	35	-	10-7	-
DELTAPINE 415	43.3	-	1.5	-	1.0	-	33	-	10-3	-
PIONEER 9581	42.7	-	2.0	-	1.0	-	33	-	10-4	-
BAY	38.8	-	1.5	-	1.0	-	30	-	10-4	-
WILSTAR 550	37.8	-	1.8	-	1.0	-	36	-	10-8	-
<u>EARLY</u>										
HARTZ 6385	48.9	-	2.3	-	1.0	-	34	-	10-21	-
LEFLORE	47.7	31.1	2.3	1.0	1.0	0.0	40	24	10-17	10-24
SHARKEY	47.3	38.9	3.8	1.0	1.0	0.0	41	32	10-15	10-26
HARTZ X1206	46.4	-	2.8	-	1.0	-	35	-	10-20	-
N.K. S69-54	46.0	35.0	3.8	1.0	1.0	0.0	33	24	10-17	10-24
DELTAPINE 726	45.9	-	2.5	-	1.0	-	39	-	10-20	-
HARTZ 6130	45.8	35.2	2.3	1.0	1.0	0.0	41	27	10-10	10-24
TRACY M	44.8	32.2	3.3	1.0	1.0	0.0	34	28	10-13	10-26
JEFF	43.5	31.2	3.0	1.0	1.0	0.0	38	25	10-18	10-24
TWIGGS	42.5	28.9	2.0	1.0	1.0	0.0	34	23	10-9	10-24
HARTZ 6372	42.3	-	3.5	-	1.0	-	39	-	10-19	-
TERRA-VIO 616	39.3	-	3.8	-	1.0	-	36	-	10-20	-
DELTAPINE 506	39.2	31.6	2.5	1.3	1.0	0.0	39	26	10-20	10-24
DAVIS	33.6	39.7	3.0	1.3	1.0	0.0	38	29	10-14	10-28

CONTINUED ON THE FOLLOWING PAGE

TABLE 15 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1988

BRAND-VARIETY	YIELD PER ACRE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BV.	BV.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
FULL SEASON										
HARTZ 7126	49.3	40.9	2.0	1.3	1.0	0.0	43	27	10-21	10-27
THOMAS	46.8	-	3.3	-	1.0	-	38	-	10-22	-
PIONEER 9791	46.7	33.9	1.8	1.0	1.0	0.0	34	20	10-19	10-26
COKER 6727	46.7	38.2	2.5	1.0	1.0	0.0	36	25	10-21	10-24
AU 82-204	46.5	-	3.3	-	1.0	-	34	-	10-21	-
AU 82-211	46.5	34.3	3.5	1.0	1.0	0.0	35	21	10-21	10-28
BRAXTON	45.9	31.9	2.0	1.0	1.0	0.0	36	22	10-22	10-27
GORDON	44.8	-	2.3	-	1.0	-	36	-	10-17	-
N. K. S72-60	44.5	38.6	3.3	1.5	1.0	0.0	34	27	10-21	10-26
GREGG	43.7	-	3.0	-	1.0	-	37	-	10-22	-
COKER 6847	42.5	-	3.0	-	1.0	-	38	-	10-21	-
AU 83-1018	41.8	-	1.3	-	1.0	-	26	-	10-19	-
RIVERSIDE 757	41.5	-	3.8	-	1.0	-	36	-	10-22	-
TERRA-VIG 717	40.7	36.0	4.8	1.8	1.0	0.0	31	24	10-23	10-28
RANSOM	39.0	37.2	2.3	1.0	1.0	0.0	30	22	10-20	10-27
WRIGHT	38.4	-	4.8	-	1.0	-	38	-	10-22	-
TERRA-VIG 708	36.8	-	3.3	-	1.0	-	39	-	10-21	-
STARR	35.9	-	3.0	-	1.0	-	35	-	10-21	-
HARTZ X1893	34.4	-	2.0	-	1.0	-	39	-	10-20	-
DUOCROP	34.3	40.0	2.0	1.0	1.0	0.0	44	36	10-17	10-30
FFR 771	33.2	-	2.0	-	1.0	-	38	-	10-21	-
DELTAPINE 417	30.4	-	2.3	-	1.0	-	41	-	10-19	-
FULL SEASON, LATE										
COKER 6738	44.6	-	2.5	-	1.0	-	38	-	10-24	-
COKER 368	43.4	34.9	3.5	1.0	1.0	0.0	39	25	10-25	10-27
FOSTER	43.3	34.3	4.3	1.0	1.0	0.0	36	23	10-23	10-27
HARTZ 8112	42.2	39.1	2.3	1.0	1.0	0.0	41	26	10-23	10-31
COKER 488	40.6	-	3.3	-	1.0	-	33	-	10-25	-
KIRBY	40.5	32.0	2.0	1.0	1.0	0.0	37	25	10-24	10-28
DELTAPINE X878	37.5	-	3.0	-	1.0	-	39	-	10-26	-
JOHNSTON	37.4	40.1	4.3	1.0	1.0	0.0	38	23	10-24	10-28
DOWLING	35.1	36.4	3.0	1.0	1.0	0.0	34	22	10-25	10-30
COBB	33.8	44.0	2.5	1.0	1.0	0.0	38	29	10-26	11-2
SANTA ROSA R	31.6	35.5	4.0	1.0	1.0	0.0	62	34	11-2	11-6
HUTTON	27.9	16.0	3.0	1.0	1.0	0.0	30	19	10-23	10-29
TEST MEANS	41.8	35.1	2.8	1.1	1.0	0.0	37	25		
L. S. D. (.05)	6.6	4.1								
C. V. (%)	12.6	15.0								

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;
FULL SEASON, LATE = MATURITY GROUPS VIII AND IX.

TABLE 16. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1988		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BV	BV	BV	BV	BV	BV	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY														
FORREST	46.2	-	42.0	-	43.2	-	1.6	-	1.0	-	31	-	9-30	-
DELTAPINE 105	44.7	-	40.2	-	41.5	-	1.9	-	1.5	-	33	-	10-3	-
WILSTAR 550	37.8	-	36.7	-	38.1	-	1.6	-	1.1	-	33	-	10-3	-
COKER 485	49.6	-	44.5	-	-	-	-	-	-	-	-	-	-	-
HARTZ 5164	49.4	-	-	-	-	-	-	-	-	-	-	-	-	-
COKER 425	46.8	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 415	43.3	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9581	42.7	-	-	-	-	-	-	-	-	-	-	-	-	-
BAY	38.8	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
N. K. 569-54	46.0	35.0	42.5	28.7	45.5	24.3	2.1	1.0	1.0	0.8	31	21	10-12	10-25
LEFLORE	47.7	31.1	42.7	27.1	45.2	22.4	1.5	1.0	1.0	0.9	37	20	10-11	10-22
HARTZ 6130	45.8	35.2	41.8	29.2	44.3	-	1.7	-	1.0	-	37	-	10-6	-
TWIGGS	42.5	28.9	39.5	24.8	43.2	-	1.4	-	1.0	-	32	-	10-7	-
JEFF	43.5	31.2	38.6	28.4	42.0	24.6	2.4	1.0	1.1	0.7	35	22	10-12	10-25
TRACY M	44.8	32.2	41.6	27.8	40.1	22.0	1.8	1.0	1.5	2.0	32	22	10-7	10-23
TERRA-VIC 616	39.3	-	37.1	-	39.7	-	2.2	-	1.0	-	32	-	10-15	-
DELTAPINE 506	39.2	31.6	37.4	29.4	37.3	-	2.0	-	1.0	-	36	-	10-14	-
DAVIS	33.6	39.7	33.8	33.8	36.4	32.1	2.3	1.1	1.3	0.8	36	25	10-10	10-29
SHARKEY	47.3	38.9	42.9	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6385	48.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ X1206	46.4	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 726	45.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6372	42.3	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 16 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1988		2-YR. AV.		3-YR. AV.		LDDGNG		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BV.	BV.	BV.	BV.	BV.	BV.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
FULL SEASON														
COKER 6727	46.7	38.2	42.8	32.8	46.5	-	1.6	-	1.0	-	33	-	10-14	-
AU 82-204	46.5	-	43.2	-	45.9	-	1.8	-	1.1	-	31	-	10-14	-
COKER 6847	42.5	-	41.7	-	45.2	-	1.7	-	1.0	-	38	-	10-16	-
PIONEER 9791	46.7	33.9	45.7	-	45.0	-	1.3	-	1.0	-	31	-	10-15	-
HARTZ 7126	49.3	40.9	42.9	34.5	44.6	30.7	1.6	1.1	1.0	0.7	38	22	10-15	10-28
BRAXTON	45.9	31.9	43.9	30.8	42.1	27.5	1.4	1.0	1.0	0.7	37	21	10-18	10-27
N. K. 572-60	44.5	38.6	39.5	33.2	41.8	24.9	2.6	1.2	1.0	0.8	35	22	10-13	10-25
GORDON	44.8	-	39.5	-	41.1	-	1.7	-	1.0	-	36	-	10-13	-
TERRA-VIG 717	40.7	36.0	37.6	31.7	40.9	-	2.8	-	1.0	-	31	-	10-18	-
WRIGHT	38.4	-	37.4	-	39.9	-	2.8	-	1.1	-	35	-	10-17	-
RANSOM	39.0	37.2	38.7	34.7	39.0	31.5	1.5	1.0	1.1	0.8	31	20	10-14	10-27
TERRA-VIG 708	36.8	-	36.7	-	35.6	-	1.9	-	1.0	-	34	-	10-17	-
STARR	35.9	-	33.8	-	34.8	-	1.8	-	1.8	-	32	-	10-15	-
DELTAPINE 417	30.4	-	32.6	-	34.7	-	1.5	-	1.0	-	40	-	10-16	-
DUOCROP	34.3	40.0	30.9	33.1	31.1	33.2	1.7	1.0	1.3	0.7	45	31	10-10	10-31
FFR 771	33.2	-	33.4	-	30.4	-	1.3	-	1.0	-	39	-	10-19	-
AU 82-211	46.5	34.3	43.8	-	-	-	-	-	-	-	-	-	-	-
THOMAS	46.8	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGO	43.7	-	-	-	-	-	-	-	-	-	-	-	-	-
AU 83-1018	41.8	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 757	41.5	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ X1893	34.4	-	-	-	-	-	-	-	-	-	-	-	-	-
FULL SEASON, LATE														
COKER 6738	44.6	-	41.9	-	44.0	-	1.5	-	1.0	-	36	-	10-19	-
COKER 368	43.4	34.9	40.4	29.3	43.1	25.0	2.2	1.0	1.0	0.7	37	21	10-21	10-28
HARTZ 8112	42.2	39.1	39.3	-	40.1	-	1.6	-	1.0	-	38	-	10-17	-
KIRBY	40.5	32.0	36.5	29.3	38.7	24.5	1.7	1.0	1.0	0.7	36	21	10-21	10-28
JOHNSTON	37.4	40.1	35.6	35.5	38.3	27.5	2.5	1.0	1.0	0.7	34	19	10-18	10-28
DOWLING	35.1	36.4	35.1	31.1	36.3	31.1	1.7	1.0	1.1	0.7	35	17	10-24	10-31
COBB	33.8	44.0	33.9	36.8	32.1	34.3	1.5	1.0	1.0	0.7	38	25	10-22	11-4
HUTTON	27.9	16.0	32.2	17.9	31.5	13.8	1.8	1.0	1.0	0.7	30	16	10-18	10-29
SANTA ROSA R	31.6	35.5	27.2	30.8	28.0	30.9	2.5	1.1	1.0	0.7	53	31	10-31	11-6
FOSTER	43.3	34.3	39.9	29.8	-	24.4	-	1.0	-	0.7	-	19	-	10-27
COKER 488	40.6	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE X878	37.5	-	-	-	-	-	-	-	-	-	-	-	-	-
TEST MEANS	41.8	35.1	38.7	30.5	39.7	26.9	1.8	1.0	1.1	0.8	35	22		
L. S. D. (05)	6.6	4.1	5.5		6.4									
C. V. (%)	12.6	15.0	10.9		12.3									

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;
 FULL SEASON, LATE = MATURITY GROUPS VIII AND IX.
 THE PLANTING DATE FOR FIRST PLANTING WAS JUNE 13, JUNE 20, AND JUNE 15 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES,
 RESPECTIVELY, AND SECOND PLANTING DATE WAS JULY 14, JULY 14, AND JULY 16, RESPECTIVELY.

TABLE 17. PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS, 1988

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN (BELLE MINA)	CENTRAL (PRATTVILLE)	SOUTHERN (MONROEVILLE)
	BU.	BU.	BU.
<u>GROUP IV</u>			
MORGAN	17.3	-	-
PERSHING	29.7	-	-
RVS COMPETETOR	23.5	-	-
RVS 477	30.3	-	-
RVS 499	33.1	-	-
<u>GROUP V</u>			
ASGROW A5403	43.2	25.2	-
ASGROW A5980	-	-	21.6
BAY	36.0	26.1	17.8
COKER BRD 6955	-	31.7	21.6
COKER BRD 6995	-	31.1	25.2
COKER 425	-	-	18.3
DPL X 881	35.1	29.7	-
ESSEX	32.1	-	-
FFR 561	-	-	26.6
FFR 565	-	-	23.3
FORREST	40.6	32.6	26.2
H B J 57	34.7	27.4	-
H-B R 224	43.6	26.2	-
HARTZ 5252	41.1	32.2	22.9
NEW NK 553-34	42.7	26.7	21.3
NEW NK 559-19	-	-	22.7
N83-375	36.3	25.4	-
PIONEER 9591	-	-	22.4
R83-310	43.3	30.2	22.6
SHENANDOAH	-	26.4	25.1
STONE	-	35.5	34.7
TERRA-VIG 553	-	24.4	-
TDANA	-	-	16.1

CONTINUED ON NEXT PAGE

TABLE 17 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN
PRELIMINARY TESTS, 1988

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN (BELLE MINA)	CENTRAL (PRATTVILLE)	SOUTHERN (MONROEVILLE)
	<u>BU.</u>	<u>BU.</u>	<u>BU.</u>
<u>GROUP VI</u>			
AU 82-589	-	30.4	32.7
BRADLEY	-	-	19.4
COKER 83M-32	41.0	30.6	26.6
DPL X 1323	42.7	32.2	29.0
DPL X 646	40.5	27.7	25.4
DPL X 986	40.9	30.1	29.0
DPL 726	-	-	32.8
D82-3885	32.5	33.9	33.2
EHJU 11	39.0	-	29.6
EHJU 5	28.2	-	34.1
EHJU 7	51.3	-	30.5
EHJU 9	33.7	-	30.0
FFR EXP 45027	40.6	30.7	26.1
FFR 606	36.0	28.9	22.4
G81-234	-	27.5	27.9
HARTZ X1206	-	34.5	32.2
HARTZ X2043	37.7	33.2	30.9
HARTZ 6200	-	-	24.4
HARTZ 6372	-	34.5	30.8
HB-R14	39.5	32.1	-
HSC BALDWIN	-	-	32.0
HSC B2J	43.1	31.9	24.9
LEFLORE	39.8	32.5	29.2
LLOYD	42.9	32.7	34.7
NEW NK 561-10	31.3	30.5	30.3
PIONEER 9641	40.3	31.8	29.9
RVS CAJUN	42.6	34.5	-
RVS 677	34.3	30.7	-
RVS 696	-	-	30.3
RVS 699	38.4	-	-
SAMPSON	-	34.7	32.8
SHARKEY	43.1	33.4	27.2
TERRA-VIG 616	-	34.1	-
TRACY M	35.0	31.2	26.4

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TABLE 17 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN
PRELIMINARY TESTS, 1988

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN (BELLE MINA)	CENTRAL (PRATTVILLE)	SOUTHERN (MONROEVILLE)
	<u>BU.</u>	<u>BU.</u>	<u>BU.</u>
<u>GROUP VII</u>			
AU B3-101B	-	29.8	31.2
BRAXTON	32.8	37.3	34.3
DPL X1492	-	34.7	35.3
DPL X207	-	33.8	35.7
EHJU 1-P	-	-	25.0
EHJU 1-W	-	-	25.6
EHJU 3	-	-	28.4
GREGG	-	35.4	31.2
HARTZ X1893	-	35.3	35.0
HB-R127	-	34.1	34.3
NEW NK S74-40	-	36.6	29.9
PIONEER 9751	-	32.9	31.2
RVS 707	-	38.6	-
RVS 757	-	-	37.9
RB2-368	-	28.8	35.2
THOMAS	-	32.1	34.8
<u>GROUP VIII</u>			
DOWLING	-	36.2	39.6
DPL X878	-	-	36.6
HARTZ 8112	-	-	38.7
HUTTON	-	29.7	29.5
KIRBY	-	30.8	33.1
TEST MEANS	37.2	31.5	28.9
L. S. D. (0.05)	7.2	5.3	4.4
C. V. (%)	13.7	12.0	10.9

CHECK VARIETIES: GROUP V ESSEX AND FORREST
GROUP VI LEFLORE AND TRACY M
GROUP VII BRAXTON AND GORDON
GROUP VIII COBB AND KIRBY

Table 18. Iron Chlorosis Rating and Yield of Soybean Varieties Grown on Sumter Soil at Black Belt Substation, 1987-88

Brand - Variety	Soybean yield/acre		Iron chlorosis rating ^{1/}		Plant height	
	1988	2-yr average	September 1988	August 1987	1988	1987
	Bu.	Bu.	Rating	Rating	In.	In.
<u>Maturity Group 5</u>						
Narrow	13.0	16.5	3.1	2.1	17	18
Hartz 5370	12.4	16.1	5.4	4.1	18	21
Deltapine 105	8.3	13.4	4.6	4.1	18	22
Wilstar 550	4.7	11.5	6.7	3.7	16	19
Bay	3.3	7.0	7.8	6.6	16	18
Forrest	3.2	8.0	7.8	6.6	16	18
Coker 6955	15.6	-	3.3	-	20	-
New NK S 59-19	9.5	-	6.3	-	20	-
Hutcheson	6.6	-	6.3	-	15	-
Hartz 5164	6.1	-	6.1	-	15	-
Coker 6995	7.1	-	6.8	-	15	-
Avery	6.7	-	7.0	-	19	-
Toano	4.0	-	6.7	-	16	-
Deltapine 415	4.0	-	7.6	-	13	-
N83-375	1.6	-	8.8	-	16	-
TN 5-85	1.2	-	8.3	-	13	-
<u>Maturity Group 6</u>						
Deltapine 506	15.4	16.6	3.5	2.7	22	26
Davis	12.5	14.8	5.1	2.8	21	28
Pioneer 9691	10.8	14.1	6.4	4.5	16	23
Terra-Vig 616	12.9	13.3	2.8	4.1	20	25
Au 82-589	11.9	12.8	6.2	6.4	18	20
Coker RA 606	10.3	12.8	5.9	2.9	20	28
Young	9.8	11.9	6.4	3.5	21	26
Tracy M	7.2	11.3	7.3	5.3	20	23
Ieflore	7.0	10.5	7.2	4.9	18	23
Sampson	8.5	-	4.9	-	18	-
Asgrow A 6785	8.0	-	5.9	-	17	-
Deltapine 726	7.0	-	7.0	-	19	-
Hartz 6385	6.6	-	5.8	-	18	-
Bradley	6.4	-	6.9	-	14	-
Sharkey	6.3	-	7.8	-	19	-
D82-3885	2.8	-	7.9	-	15	-
G 81-234	2.2	-	10.0	-	12	-
Hartz 6372	1.7	-	9.0	-	14	-

(Continued on next page)

Table 18 (Continued). Iron Chlorosis Rating and Yield of Soybean Varieties Grown on Sumter Soil at Black Belt Substation, 1987-88

Brand - Variety	Soybean yield/acre		Iron chlorosis rating ^{1/}		Plant height	
	1988	2-yr average	September 1988	August 1987	1988	1987
	Bu.	Bu.	Rating	Rating	In.	In.
<u>Maturity Group 7</u>						
Coker 6847	21.3	20.7	3.3	2.2	21	27
Coker 6727	19.8	19.3	3.3	4.4	21	23
Au 82-204	17.6	16.9	4.6	5.1	19	25
Braxton	11.3	15.1	4.3	3.1	20	28
Au 82-211	12.1	14.5	5.3	4.5	21	25
Ransom	11.2	14.2	6.5	2.4	19	28
Duocrop	9.4	12.2	4.3	2.9	22	32
GaSoy 17	6.1	10.8	7.6	5.0	19	26
Deltapine 417	7.3	10.5	6.0	4.0	19	28
Starr	6.8	7.9	7.2	6.3	16	21
Gregg	17.6	-	2.5	-	20	-
Thomas	18.1	-	3.6	-	23	-
Pioneer 9751	13.8	-	4.9	-	20	-
New NK S72-60	11.3	-	5.8	-	22	-
R82-368	9.4	-	6.7	-	22	-
AU 83-1018	9.0	-	5.6	-	15	-
Hartz X 1893	8.0	-	6.9	-	17	-
Yield King 707	5.3	-	6.9	-	21	-
New NK S74-40	5.2	-	5.8	-	17	-
<u>Maturity Group 8</u>						
Hartz 8112	13.8	14.6	4.2	4.2	22	26
Cobb	11.4	13.1	3.6	1.9	25	31
Dowling	8.4	12.3	4.6	2.2	21	27
Johnston	7.6	12.2	7.6	4.5	23	26
Hutton	4.6	8.4	5.1	2.3	23	26
Coker 488	10.6	-	5.8	-	20	-

^{1/} Chlorosis ratings were 1-10, with 1 being no chlorosis and 10 being plants that were losing leaves due to necrotic spots in leaves.

RECOMMENDED SOYBEAN VARIETIES FOR 1989

This list of recommended varieties was prepared by the authors of this report, D. B. Weaver, Assistant Professor of Agronomy and Soils, and J. B. Henderson, Agronomist-Soybeans, Alabama Cooperative Extension Service, based on variety test performance for at least 3 years.

Northern Alabama

<u>Early</u>	<u>Full season</u>	<u>Late</u>
Asgrow A 5980	*Bradley	Braxton
*Bay	*Centennial	Hartz H 7126
*Bedford	Coker RA 606	Ransom
*Coker 425	Coker 686	Terra-Vig 708
Coker 485	Hartz H 6130	
Deltapine 105	Jeff	
Deltapine 415	Leflore	
*Essex	New NK S69-54	
FFR 561	Pioneer 9691	
Hartz H 5164	Tracy M	
Hartz H 5171		
Hartz H 5370		
Pioneer 9591		
Terra-Vig 515		
Terra-Vig 553		

Central Alabama

<u>Very early</u>	<u>Early</u>	<u>Full season</u>	<u>Late</u>
Asgrow A 5980	Asgrow A 6785	*Braxton	Cobb
Coker 485	Coker RA 606	Coker 6727	Coker 368
Deltapine 105	Coker RA 680	FFR 771	Dowling
Forrest	*Davis	*GaSoy 17	Foster
Hartz H 5370	FFR 668	Hartz H 7126	
Terra-Vig 515	Leflore	New NK S72-60	
	Pioneer 9691	Terra-Vig 708	
	*Tracy M	Terra-Vig 717	
	*Young	Wright	

(Continued on following page)

Black Belt (acid soil)[†]

<u>Very early</u>	<u>Early</u>	<u>Full season</u>	<u>Late</u>
Bay Deltapine 105 Hartz H 5370 Wilstar 550	Centennial Coker RA 680 Davis Deltapine 566 Hartz H 6130 Leflore Tracy M	Braxton Deltapine 417 Hartz H 7126 Ransom	Cobb Coker 368 Dowling **Johnston

Southern Alabama

<u>Very early</u>	<u>Early</u>	<u>Full season</u>	<u>Late</u>
Deltapine 105 **Pioneer 9591	Coker RA 606 Coker RA 680 Davis *Jeff Leflore New NK S69-54 Terra-Vig 616 *Tracy M	Braxton Coker 6727 Coker 6847 *Deltapine 417 GaSoy 17 *Hartz H 7126 Pioneer 9791 Stonewall (Au82-204) Terra-Vig 717	Cobb Coker 368 Coker 6738 Dowling Johnston *Kirby

Baldwin-Mobile

<u>Very early</u>	<u>Early</u>	<u>Full season</u>	<u>Full season, late</u>
Deltapine 105 Forrest	*Davis Hartz H 6130 Jeff Leflore New NK S69-54 Twiggs	Braxton Coker 6727 Coker 6847 Hartz H 7126 New NK S72-60 Pioneer 9791 Stonewall (Au82-204) *Terra-Vig 708 *Wright	*Cobb Coker 368 Coker 6738 *Dowling Hartz H 8112 Johnston Kirby

*If present trend continues, these varieties will be dropped from recommended list.

**Recommended based on exceptional 2-year average.

[†]Recommendations are the same as last year due to drought conditions and failure of test in 1988.

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