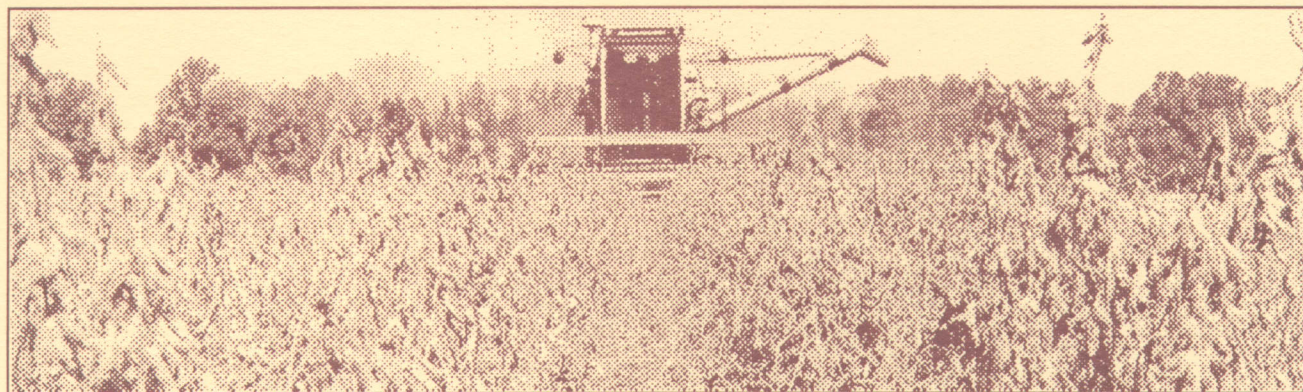


Performance of Soybean Varieties in Alabama, 1991



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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, 1991

D.L. Thurlow, W.C. Johnson, and K.M. Glass¹

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 tests contain advanced experimental lines and released varieties which are new to that particular region. If performance warrants, these varieties will be placed in the standard test in subsequent years.

Soybean row spacing research in the Southeast has not shown much advantage for narrow row spacing over the conventional row width of 36 to 40 inches for standard planting dates. Two row

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

spacing tests were conducted at two locations, E.V. Smith Research Center, Shorter and Tennessee Valley Substation, Belle Mina, using 18 cultivars. The purpose was to evaluate the effect of row width on soybean yields when planted later than standard planting for full season production. The four row spacings used were 9, 18, 27, and 36 inches.

EXPERIMENTAL PROCEDURES

The standard tests were designed as a randomized complete block with four replications. Plot size was four 24- to 36-inch rows 20 feet long. Sixteen feet of the middle two rows were harvested for yield. Seeding rate was 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 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.

Six cultivars from each of three Maturity Groups were used to study the effect of row spacing on late planted soybeans. Maturity Groups V, VI and VII cultivars were used at Belle Mina, and Maturity Groups VI, VII, and VIII cultivars were used at

Shorter. A split-split plot design with four replications was used at each location. The main plot was row spacing with the sub-plot being Maturity Group and sub-sub-plot being cultivar.

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 reached mature pod color. Harvest was approximately 7 to 10 days later.

SEASONAL CONDITIONS

Rainfall (table 3) in April and May 1991 was such that all standard tests were planted for optimum growth. The late

planting tests at Marion Junction and Fairhope were delayed approximately 2 weeks due to heavy rainfall in June and July at both locations. The normal planting dates for full season plantings in the regular tests are the first week in May, May 15-25, and May 25 to June 5 for northern, central, and southern Alabama locations, respectively. The rainfall for 1991 was above normal in May at all locations and was generally adequate for vegetative growth through July in central and southern Alabama. However, rainfall was limiting during July, August, and early September in northern Alabama resulting in lower yields on early varieties and early planting dates. Rains in mid-September helped the Maturity Group VII varieties.

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 1991 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

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	J.L. Holliman J.R. Harris
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 P.A. Rose
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 B.E. Norris
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.

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 44. The acceptable varieties are not all equal in performance. Some are outstanding in one or more characteristics; while others may possess a satisfactory, although not outstanding combination of all characteristics.

TABLE 1. Entries and Sources for 1991

AgraTech Seed Inc. McCordsville, Indiana	AgraTech brand varieties
Alabama Farmer's Cooperative Decatur, Alabama	Cobb FFR brand varieties
Bragg Farms Toney, Alabama	Braxton Davis Essex Hutcheson Ransom Stonewall
Capehart Seed Service Holland, Missouri	Stone
Clemmons & Hamner Seeds, Inc. Killen, Alabama	Centennial
Delhi Seed Co., Inc. Delhi, Louisiana	Buckshot brand varieties
Delta and Pine Land Company Scott, Mississippi	Deltapine brand varieties
Department of Agronomy and Soils Auburn University, Alabama	Au85-1814 Au86-888
Dixie Ag. Supply Athens, Alabama	Dyna-Gro brand varieties Rally UAP Winner
Eagle Seed Company Weiner, Arkansas	Cajun Eagle brand varieties Riverside brand varieties
Elysian Seed, In. Gallion, Alabama	Tracy M
Escambia Farm and Seed Co. Atmore, Alabama	Kirby Leflore Thomas
Georgia Seed Development Commission Athens, Georgia	Bryan Colquitt Cook GaSoy 17 Johnston Twiggs
H.J. Underwood Co., Inc. Clinton, North Carolina	Underwood brand varieties
Hy Performer Seed Company Memphis, Tennessee	Hy Performer brand varieties HB & HSC Sampson

(Continued on following page)

TABLE 1 (continued). Entries and Sources for 1991

Jacob Hartz Seed Company, Inc. Stuttgart, Arkansas	Hartz brand varieties
Louisiana State University Baton Rouge, Louisiana	LA 88-40 LA 88-55 LA 78-465
Mississippi State University Mississippi State, Mississippi	Lamar
Northrup King Co. Highland, Illinois	Coker brand varieties S59-60 S61-89 S64-23 S69-54 S83-30
North Carolina State University Raleigh, North Carolina	Brim N85-492 N85-574 Young
Pioneer Hi-Bred International, Inc. Tipton, Indiana	Pioneer brand varieties
Stoneville Pedigreed Seed Stoneville, Mississippi	Stoneville brand varieties
South Carolina Crop Impr. Assoc. Clemson, South Carolina	Hagood Perrin SC 84-679
Terral-Norris Seed Company, Inc. Lake Providence, Louisiana	Terra-Vig brand varieties
Texas A&M University College Station, Texas	Crockett
University of Arkansas Fayetteville, Arkansas	Bedford Lloyd Narrow Sharkey Walters
University of Missouri Columbia, Missouri	Delsoy 4710 Delsoy 4900 Forrest Pershing Rhodes
University of Tennessee Knoxville, Tennessee	TN 4-86 TN 5-85 TN 6-90
Virginia Crop Improv. Assoc. Holley, Virginia	Camp Toano
White Seed Cleaners Dutton, Alabama	Bay

TABLE 2. Cultural Practices for Soybean Variety Tests in 1991

Location	Type test	Date planted	Row width	Herbicide used	Fertilizer applied
Belle Mina	Standard	May 23	36	Prowl, Scepter	100 lb 0-0-60/acre
	Preliminary	May 31	36	Prowl	100 lb 0-0-60/acre
	Row Spacing	June 10	9 to 36	Prowl	100 lb 0-0-60/acre
Crossville	Standard	May 15	30	Scepter, Dual	100 lb 0-0-60/acre 125 lb 0-45-0/acre
	Late	June 11	30	Scepter, Dual	200 lb 5-10-15/acre 83 lb 0-0-60/acre
Shorter	Row Spacing	June 13	9 to 36	Treflan, Veram	300 lb 0-20-20/acre
Prattville	Standard	May 22	30	Prowl	none recommended
	Preliminary	May 21	30	Prowl	none recommended
	Late	July 1	30	Treflan	none recommended
Camden	Standard	June 6	36	Sencor, Dual	89 lb 0-46-0/acre 200 lb 8-26-26/acre
Marion Junction	Standard (Sumter)	June 12	36	Prowl, Scepter	240 lb 0-25-25/acre
	Standard (Vaiden)	June 12	36	Prowl, Scepter	240 lb 0-25-25/acre
	Late	July 3	36	Prowl, Scepter	240 lb 0-25-25/acre
Monroeville	Preliminary	June 5	36	Treflan, Vernam	none recommended
Brewton	Very Early	Not planted due to excessive rainfall			
	Standard	June 5	36	Treflan, Vernam	none recommended
	Late	July 2	24	Dual, Lorox	500 lb 5-10-15/acre in fall for wheat
Headland	Standard	May 31	36	Prowl	none recommended
Fairhope	Standard	June 4	30	Dual, Lorox	285 lb 0-14-14 + 10 lb S
	Late	July 17	30	Dual, Gramoxone	285 lb 0-14-14 + 10 lb S

TABLE 3. Rainfall at Test Locations During Growing Season, 1991

Month	Days	Belle Mina	Crossville	Prattville	Shorter	Marion Junction
		In.	In.	In.	In.	In.
May	1-5	1.65	0.67	0.08	0.93	0.15
	6-10	1.72	1.38	4.88	0.56	3.10
	11-15	2.59	1.01	2.07	0.58	1.98
	16-20	2.30	0.54	0.67	0.98	1.55
	21-25	0.09	0.17	0	0.37	0.05
	26-31	<u>1.06</u>	<u>1.16</u>	<u>3.96</u>	<u>1.42</u>	<u>1.27</u>
		9.41	4.93	11.66	4.84	8.10
June	1-5	0.59	0.25	1.15	1.95	0.07
	6-10	0.05	0	0	0	0
	11-15	0.16	0.40	0	0	0.22
	16-20	0.17	1.71	0.02	0.68	0.40
	21-25	0.81	2.77	0.58	3.30	1.15
	26-30	<u>0</u>	<u>0.35</u>	<u>3.60</u>	<u>0.42</u>	<u>1.50</u>
		1.78	5.48	5.35	6.35	3.34
July	1-5	0.71	1.14	0.07	0	0.07
	6-10	0.85	0.02	0.55	1.43	1.43
	11-15	0.28	0.04	1.45	0.12	0.15
	16-20	0.19	0.75	0.57	0.11	0.10
	21-25	0.02	0.75	0.92	1.04	0.42
	26-31	<u>0.04</u>	<u>0.17</u>	<u>0.20</u>	<u>0</u>	<u>2.02</u>
		2.09	2.87	3.76	2.70	4.19
August	1-5	0	0	0.02	0	0
	6-10	0.02	0.36	0.11	0.35	0.40
	11-15	0.01	1.64	1.49	1.80	1.56
	16-20	0.11	0.47	0.03	0	0
	21-25	0	0.16	0.58	0.58	0.10
	26-31	<u>1.88</u>	<u>0.50</u>	<u>0.74</u>	<u>1.05</u>	<u>1.91</u>
		2.02	3.13	2.98	3.78	3.97
September	1-5	0.02	0	0	0	0.05
	6-10	0.60	0.45	0.18	0	0.03
	11-15	0	0	0.08	0	0
	16-20	0.49	0.03	0.07	0	0.80
	21-25	2.54	2.70	2.10	1.80	2.00
	26-30	<u>0.01</u>	<u>0.13</u>	<u>0.18</u>	<u>0.08</u>	<u>0</u>
		3.66	3.31	2.61	1.88	2.88
October	1-5	0.31	0	0	0	0.05
	6-10	0.03	0	0	0	0
	11-15	0.87	0	0.54	0.35	1.00
	16-20	0	0	0	0	0
	21-25	0.86	0	0	0.03	0
	26-31	<u>0.22</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.05</u>
		2.29	0	0.54	0.38	1.10

(Continued on following page)

TABLE 3 (continued). Rainfall at Test Locations During Growing Season, 1991

Month	Days	Camden	Brewton	Monroeville	Headland	Fairhope
		<u>In.</u>	<u>In.</u>	<u>In.</u>	<u>In.</u>	<u>In.</u>
May	1-5	0.08	0.50	2.56	0.85	0.53
	6-10	4.08	5.12	5.13	1.51	6.00
	11-15	4.40	1.93	0.29	3.37	1.06
	16-20	0.68	1.37	0.99	1.98	0.94
	21-25	0.17	1.12	0.77	0.51	0.96
	26-31	<u>1.84</u>	<u>1.81</u>	<u>2.31</u>	<u>0.57</u>	<u>4.26</u>
		11.25	11.85	12.35	8.79	13.75
June	1-5	0.25	0.06	0.12	0.65	0.23
	6-10	0	0	0.04	0	1.01
	11-15	0.10	0	0.14	0	0.03
	16-20	0.67	3.57	0.79	0.58	1.68
	21-25	1.18	0.95	4.31	0.46	0.22
	26-30	<u>0.43</u>	<u>4.02</u>	<u>0.34</u>	<u>1.39</u>	<u>2.68</u>
		2.63	8.60	5.74	3.08	5.85
July	1-5	1.96	0.18	0	0.51	0.85
	6-10	0.64	1.19	1.47	1.14	3.40
	11-15	0.03	0.03	0.10	0.04	0.40
	16-20	0.06	0.58	0.33	0.98	2.46
	21-25	1.50	1.17	4.11	2.27	1.04
	26-31	<u>2.57</u>	<u>3.81</u>	<u>0.90</u>	<u>0.84</u>	<u>0.49</u>
		6.76	6.96	6.91	5.78	8.64
August	1-5	0.13	0.12	0	0.51	0.60
	6-10	0.02	0.16	1.96	1.41	1.44
	11-15	0	0.27	0.20	1.29	0.09
	16-20	1.04	1.48	0.10	0.81	0.12
	21-25	0	0.69	1.38	1.08	0.16
	26-31	<u>1.44</u>	<u>0.92</u>	<u>4.18</u>	<u>0.45</u>	<u>4.33</u>
		2.63	3.64	7.82	5.56	6.74
September	1-5	0	0.16	0	0	0.62
	6-10	0.52	0.73	2.01	0.77	0.53
	11-15	0	0	0.68	0	0.05
	16-20	0.20	0.02	0.08	1.24	1.23
	21-25	2.02	0.94	3.16	0.70	0.70
	26-30	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
		2.74	1.85	5.93	2.71	3.13
October	1-5	0	0.27	0	0.01	0.04
	6-10	0	0	0	0.82	0.96
	11-15	0.12	0	1.68	0	0
	16-20	0	0	0	0.37	0
	21-25	0	0	0.08	0	0.15
	26-31	<u>0.09</u>	<u>0.05</u>	<u>0.07</u>	<u>0</u>	<u>0.13</u>
		0.21	0.32	1.83	1.20	2.28

TABLE 4. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE							
	BELLE		CROSSVILLE	LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	MINA	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.		
<u>VERY EARLY</u>											
DELROY 4900	19.9	46.7	-	1.8	-	1.0	-	33	-	9-12	-
PERSHING	21.2	37.5	-	1.0	-	1.0	-	24	-	9-21	-
RIVERSIDE 499	17.7	30.2	-	1.5	-	1.0	-	34	-	9-19	-
RHODES	22.7	46.6	-	1.1	-	1.0	-	32	-	9-27	-
TN4-86	13.9	42.9	-	1.3	-	2.5	-	35	-	9-9	-
<u>EARLY</u>											
AGRATECH 550	13.4	40.4	-	1.4	-	1.0	-	35	-	10-4	-
AGRATECH 575	19.2	29.9	-	1.0	-	1.0	-	28	-	10-8	-
BAY	16.2	36.1	-	1.1	-	1.0	-	32	-	10-5	-
BUCKSHOT 507	19.0	40.3	-	1.6	-	1.0	-	31	-	10-5	-
CAMP	12.0	21.2	-	1.0	-	1.0	-	16	-	9-29	-
COKER 485	21.6	45.4	27.1	1.6	1.0	1.0	1.0	31	33	10-7	9-30
DELTAPINE 105	16.1	33.9	-	1.4	-	1.0	-	34	-	10-5	-
DELTAPINE 415	17.3	46.6	35.5	1.0	1.0	1.0	1.0	29	34	10-4	9-28
ESSEX	12.3	44.7	-	1.0	-	1.0	-	24	-	9-23	-
FFR 561	12.3	37.3	30.4	1.1	1.5	1.0	1.0	29	35	10-6	9-26
FFR 565	18.6	43.3	-	1.4	-	1.0	-	32	-	10-4	-
FFR 595	11.0	35.8	-	1.6	-	1.0	-	36	-	10-6	-
FORREST	17.6	38.1	25.9	1.6	2.8	1.0	1.0	35	37	10-2	10-2
HARTZ H5088	12.7	35.0	-	2.4	-	1.0	-	32	-	10-4	-
HARTZ H5240	14.9	42.8	-	1.8	-	1.0	-	30	-	10-2	-
HARTZ H5258	12.0	31.2	-	1.1	-	1.0	-	26	-	10-3	-
HARTZ H5566	19.1	44.1	-	1.3	-	1.0	-	28	-	10-6	-
HARTZ 5164	17.6	44.1	25.9	1.5	2.5	1.0	1.0	32	36	10-6	10-4
HUTCHESON	18.8	35.9	33.1	1.0	1.0	1.0	1.0	25	28	10-5	9-29
HY PERFORMER HB89-167B	17.4	41.2	-	1.9	-	1.0	-	37	-	10-5	-
HY PERFORMER HSC579	11.3	24.6	-	1.3	-	1.0	-	29	-	10-3	-
HY PERFORMER HSC591	13.8	39.7	-	1.8	-	1.0	-	35	-	10-9	-
NAROW	15.0	43.8	-	1.3	-	1.0	-	27	-	10-1	-
PIONEER 9591	16.2	35.2	-	1.0	-	1.0	-	24	-	10-7	-
PIONEER 9592	15.9	36.5	-	1.8	-	1.0	-	38	-	10-8	-
RIVERSIDE 577	16.7	39.3	24.6	2.4	3.8	1.0	1.0	34	35	10-4	10-6
STONE	13.5	29.3	-	1.1	-	1.0	-	31	-	10-6	-
TERRA-VIG 515	14.4	39.1	27.0	1.8	1.8	1.0	1.0	29	34	10-8	10-5
TERRA-VIG 5452	18.0	40.6	-	1.5	-	1.0	-	31	-	10-4	-
TERRA-VIG 5693	18.7	38.7	-	1.0	-	1.0	-	27	-	10-5	-
TN 5-85	12.6	42.4	-	1.1	-	1.0	-	30	-	10-2	-
TOANO	19.1	40.9	30.5	1.0	1.0	1.0	1.0	26	28	10-1	9-29
WALTERS	18.0	34.5	-	1.6	-	1.0	-	29	-	10-2	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 4 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE						REGIONAL AVERAGE					
	BELLE		CROSSVILLE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	MINA	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												
AU86-888	26.8	28.3	-	1.4	-	1.0	-	30	-	10-12	-	
BRIM	28.6	32.1	-	1.4	-	1.3	-	33	-	10-9	-	
BRYAN	28.9	35.0	28.5	1.9	1.5	1.0	1.0	38	39	10-14	10-12	
BUCKSHOT 603	24.9	25.1	-	2.3	-	1.0	-	36	-	10-13	-	
CENTENNIAL	27.7	33.0	-	1.9	-	1.0	-	35	-	10-13	-	
DELTAPINE DPX 3680	30.4	34.6	-	2.3	-	1.0	-	37	-	10-12	-	
DELTAPINE DP3627	20.9	33.2	-	1.3	-	1.0	-	33	-	10-7	-	
DELTAPINE 726	27.9	26.6	-	2.6	-	1.0	-	38	-	10-15	-	
FFR 646	28.1	38.1	-	1.5	-	1.0	-	37	-	10-7	-	
FFR 695	29.7	19.6	-	1.4	-	1.0	-	33	-	10-11	-	
HARTZ 6686	24.0	29.0	30.6	1.3	2.0	1.0	1.0	32	36	10-11	10-9	
HY PERFORMER HSC B2J	26.8	41.9	-	1.4	-	1.0	-	35	-	10-6	-	
HY PERFORMER HSC 623	23.8	40.7	-	1.8	-	1.0	-	34	-	10-6	-	
LAMAR	25.7	23.8	-	2.0	-	1.0	-	33	-	10-11	-	
LEFLORE	24.1	33.2	-	1.9	-	1.0	-	37	-	10-12	-	
LLOYD	30.6	29.5	-	2.8	-	1.0	-	38	-	10-13	-	
NORTHRUP KING S61-89	23.1	35.8	-	1.8	-	1.0	-	39	-	10-6	-	
NORTHRUP KING S64-23	26.1	34.1	-	2.0	-	1.0	-	42	-	10-6	-	
NORTHRUP KING S69-54	24.0	34.0	28.2	1.9	1.8	1.0	1.0	31	34	10-10	10-9	
PIONEER 9641	25.3	32.5	27.9	1.8	1.3	1.0	1.0	33	34	10-9	10-12	
PIONEER 9681	25.3	39.2	-	1.9	-	1.0	-	36	-	10-11	-	
PIONEER 9691	34.3	30.8	29.2	2.0	2.0	1.0	1.0	38	40	10-13	10-13	
RIVERSIDE CAJUN	28.7	30.1	24.2	1.6	1.8	1.0	1.0	36	38	10-8	10-13	
RIVERSIDE 677	29.4	28.0	29.6	1.5	1.5	1.0	1.0	35	38	10-9	10-14	
RIVERSIDE 699	27.7	28.7	-	1.3	-	1.0	-	34	-	10-7	-	
SHARKEY	26.6	30.5	23.0	2.8	2.5	1.0	1.0	40	39	10-10	10-9	
TERRA-VIG 626	22.7	29.8	-	2.1	-	1.0	-	37	-	10-8	-	
TERRA-VIG 6653	33.4	31.9	-	1.9	-	1.0	-	34	-	10-12	-	
TRACY M	30.8	29.7	-	1.8	-	1.0	-	35	-	10-9	-	
TWIGGS	23.0	39.2	-	1.4	-	1.0	-	35	-	10-4	-	
WINNER	27.4	29.4	-	1.8	-	1.0	-	37	-	10-11	-	
YOUNG	20.8	27.1	28.6	2.1	1.5	1.0	1.0	36	38	10-8	10-12	
LATE												
BRAXTON	27.7	19.7	30.8	1.9	1.3	1.0	1.0	39	39	10-15	10-15	
BUCKSHOT 723	-	-	27.8	-	1.5	-	1.0	-	36	-	10-16	
COKER 6847	-	-	30.3	-	1.0	-	1.0	-	36	-	10-17	
DELTAPINE 417	-	-	26.1	-	1.5	-	1.0	-	42	-	10-20	
FFR 771	-	-	24.8	-	1.3	-	1.0	-	40	-	10-19	
PIONEER 9711	-	-	28.9	-	2.0	-	1.0	-	37	-	10-15	
PIONEER 9791	-	-	30.8	-	1.3	-	1.0	-	35	-	10-16	
STONEWALL	27.9	30.2	29.9	1.9	1.8	1.0	1.0	34	37	10-13	10-15	
THOMAS	-	-	27.4	-	1.0	-	1.0	-	34	-	10-17	
TEST MEANS	21.3	35.0	28.4	1.6	1.6	1.0	1.0	33	36			
L.S.D. (.05)	13.1	6.4	3.6									
C.V. (%)	44.1	13.1	8.9									

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

TABLE 5. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 3-YEAR SUMMARY, 1989-91

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1991		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.		
<u>VERY EARLY</u>														
TN4-86	28.4	-	28.9	-	32.5	-	1.4	-	1.4	-	35	-	9-16	-
PERSHING	29.4	-	31.2	-	32.2	-	1.0	-	0.8	-	23	-	9-22	-
RIVERSIDE 499	24.0	-	26.1	-	31.5	-	1.5	-	0.9	-	36	-	9-20	-
DELLOY 4900	33.3	-	31.9	-	-	-	-	-	-	-	-	-	-	-
RHODES	34.6	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>EARLY</u>														
COKER 485	33.5	27.1	34.2	23.7	36.5	26.9	1.4	1.2	0.8	1.0	29	28	10-6	10-9
HARTZ 5164	30.9	25.9	31.3	25.4	36.0	-	1.5	-	0.8	-	31	-	10-7	-
DELTAPINE 415	31.9	35.5	32.5	27.5	35.8	30.1	1.1	1.1	0.8	1.0	29	27	10-1	10-8
TERRA-VIG 515	26.8	27.0	28.8	24.5	34.4	-	1.6	-	0.8	-	30	-	10-9	-
HUTCHESON	27.3	33.1	31.1	24.0	33.6	26.9	1.1	1.0	0.8	1.0	26	23	10-3	10-9
RIVERSIDE 577	28.0	24.6	29.8	-	32.9	-	2.2	-	0.8	-	33	-	10-4	-
FORREST	27.8	25.9	28.8	23.5	31.9	26.7	1.5	1.7	0.8	1.0	32	31	10-2	10-10
TOANO	30.0	30.5	32.6	-	31.6	-	1.0	-	0.8	-	26	-	9-29	-
FFR 565	31.0	-	28.8	-	31.4	-	1.2	-	0.8	-	31	-	10-5	-
DELTAPINE 105	25.0	-	28.7	-	31.1	-	1.4	-	0.8	-	32	-	10-4	-
FFR 561	24.8	30.4	29.5	-	30.8	-	1.1	-	0.8	-	27	-	10-3	-
PIONEER 9591	25.7	-	31.2	-	30.4	-	1.0	-	0.8	-	23	-	10-5	-
NAROW	29.4	-	29.5	-	29.7	-	1.3	-	0.8	-	26	-	9-29	-
TN 5-85	27.5	-	27.6	-	29.1	-	1.1	-	0.8	-	27	-	9-30	-
BAY	26.2	-	29.7	-	29.0	-	1.1	-	0.8	-	29	-	10-2	-
ESSEX	28.5	-	30.4	-	28.7	-	1.0	-	0.8	-	22	-	9-24	-
HARTZ H5240	28.9	-	30.5	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9592	26.2	-	30.3	-	-	-	-	-	-	-	-	-	-	-
WALTERS	26.3	-	29.8	-	-	-	-	-	-	-	-	-	-	-
AGRATECH 550	26.9	-	28.3	-	-	-	-	-	-	-	-	-	-	-
AGRATECH 575	24.6	-	28.2	-	-	-	-	-	-	-	-	-	-	-
HARTZ H5258	21.6	-	26.2	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC579	17.9	-	25.3	-	-	-	-	-	-	-	-	-	-	-
HARTZ H5566	31.6	-	-	-	-	-	-	-	-	-	-	-	-	-
BUCKSHOT 507	29.6	-	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HB89-167B	29.3	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 5452	29.3	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 5693	28.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC591	26.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H5088	23.8	-	-	-	-	-	-	-	-	-	-	-	-	-
FFR 595	23.4	-	-	-	-	-	-	-	-	-	-	-	-	-
STONE	21.4	-	-	-	-	-	-	-	-	-	-	-	-	-
CAMP	16.6	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 5 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 3-YEAR SUMMARY, 1989-91

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1991		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														
PIONEER 9691	32.6	29.2	35.1	28.4	35.6	29.2	1.6	1.8	0.8	1.0	35	32	10-13	10-20
SHARKEY	28.6	23.0	29.5	23.4	35.2	26.8	2.6	2.0	0.8	1.0	38	34	10-12	10-18
BRYAN	31.9	28.5	31.6	27.4	34.6	30.4	1.5	1.3	0.8	1.0	36	33	10-14	10-20
HY PERFORMER HSC B2J	34.4	-	33.0	-	33.7	-	1.2	-	0.8	-	32	-	10-7	-
RIVERSIDE CAJUN	29.4	24.2	30.8	25.6	33.7	-	1.3	-	0.8	-	30	-	10-11	-
HARTZ 6686	26.5	30.6	30.7	26.5	33.2	28.5	1.3	1.3	0.8	1.0	32	29	10-12	10-15
PIONEER 9641	28.9	27.9	31.3	-	33.0	-	1.4	-	0.8	-	31	-	10-8	-
TWIGGS	31.1	-	31.0	-	33.0	-	1.3	-	0.8	-	33	-	10-5	-
TRACY M	30.3	-	30.8	-	32.6	-	1.9	-	0.9	-	32	-	10-9	-
CENTENNIAL	30.4	-	30.6	-	32.5	-	1.7	-	0.8	-	34	-	10-13	-
LEFLORE	28.7	-	30.1	-	32.1	-	1.5	-	0.8	-	33	-	10-12	-
NORTHROP KING S69-54	29.0	28.2	28.3	26.7	31.3	28.1	1.7	1.3	0.8	1.0	30	27	10-11	10-17
DELTAPINE 726	27.3	-	28.6	-	30.7	-	2.1	-	0.8	-	36	-	10-14	-
FFR 646	33.1	-	30.0	-	30.3	-	1.3	-	0.8	-	34	-	10-11	-
LLOYD	30.1	-	28.6	-	30.1	-	2.1	-	0.8	-	36	-	10-13	-
YOUNG	23.9	28.6	28.1	26.6	30.0	29.0	2.0	1.4	0.8	1.0	36	32	10-9	10-20
BRIM	30.3	-	32.0	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 677	28.7	29.6	30.9	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 626	26.3	-	29.3	-	-	-	-	-	-	-	-	-	-	-
LAMAR	24.7	-	28.8	-	-	-	-	-	-	-	-	-	-	-
FFR 695	24.7	-	25.9	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 6653	32.6	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE DPX 3680	32.5	-	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC 623	32.3	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9681	32.2	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHROP KING S64-23	30.1	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHROP KING S61-89	29.4	-	-	-	-	-	-	-	-	-	-	-	-	-
WINNER	28.4	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 699	28.2	-	-	-	-	-	-	-	-	-	-	-	-	-
AU86-888	27.5	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE DP3627	27.1	-	-	-	-	-	-	-	-	-	-	-	-	-
BUCKSHOT 603	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-
LATE														
BRAXTON	23.7	30.8	30.4	27.9	29.7	29.2	1.6	1.1	0.8	1.0	35	31	10-16	10-23
STONEWALL	29.0	29.9	32.0	29.2	-	31.4	-	1.5	-	1.0	-	31	-	10-23
BUCKSHOT 723	-	27.8	-	-	-	-	-	-	-	-	-	-	-	-
COKER 6847	-	30.3	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 417	-	26.1	-	-	-	-	-	-	-	-	-	-	-	-
FFR 771	-	24.8	-	27.0	-	28.3	-	1.3	-	1.0	-	34	-	10-25
PIONEER 9711	-	28.9	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9791	-	30.8	-	27.0	-	29.4	-	1.1	-	1.0	-	29	-	10-23
THOMAS	-	27.4	-	-	-	-	-	-	-	-	-	-	-	-
TEST MEANS	28.1	28.4	30.0	26.1	32.2	28.6	1.5	1.4	0.9	1.0	31	30		
L.S.D. (.05)	10.3	3.6	9.1		9.4									
C.V. (%)	26.2	8.9	21.8		20.9									

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 19, MAY 16, AND MAY 13 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JUNE 11, JUNE 20, AND JUNE 23, RESPECTIVELY.

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE							
	CAM-	PRATTVILLE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DEN	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.		
VERY EARLY											
BAY	47.7	27.6	-	1.0	-	1.3	-	32	-	9-27	-
COKER 485	48.9	22.4	-	1.0	-	1.0	-	31	-	10-2	-
DELTAPINE 105	43.2	24.0	-	1.9	-	1.0	-	34	-	9-29	-
DELTAPINE 415	48.9	29.7	-	1.0	-	1.0	-	30	-	9-26	-
ESSEX	49.6	33.4	-	1.0	-	1.4	-	25	-	9-24	-
FFR 561	49.8	32.6	-	1.0	-	1.0	-	29	-	9-26	-
FFR 565	44.3	20.4	-	1.1	-	1.0	-	32	-	9-30	-
FORREST	46.2	26.1	-	1.0	-	1.0	-	32	-	9-27	-
HARTZ H5240	47.4	27.4	-	1.1	-	1.0	-	28	-	9-24	-
HARTZ 5164	42.0	17.6	-	1.0	-	1.0	-	33	-	10-5	-
HARTZ 5370	46.6	24.3	-	1.0	-	1.0	-	33	-	9-30	-
HUTCHESON	52.5	29.9	-	1.0	-	1.0	-	27	-	9-24	-
HY PERFORMER HSC579	45.1	24.2	-	1.0	-	1.0	-	32	-	9-27	-
TERRA-VIG 515	39.0	21.6	-	1.0	-	1.0	-	33	-	10-7	-
TERRA-VIG 5693	52.7	32.7	-	1.1	-	1.0	-	28	-	9-27	-
TOANO	48.7	25.9	-	1.0	-	1.0	-	27	-	9-25	-
WALTERS	47.4	27.4	-	1.1	-	1.0	-	29	-	9-26	-
EARLY											
BRIM	52.9	18.7	-	1.3	-	1.3	-	34	-	9-30	-
BYRON	-	-	11.6	-	1.0	-	1.0	-	20	-	11-4
BJORN-HOT 603	37.5	14.2	-	1.3	-	1.0	-	35	-	10-11	-
DAVIS	37.5	14.8	15.3	1.5	1.0	1.1	1.0	38	23	10-3	10-28
DELTAPINE DPX 3680	36.1	13.8	-	1.1	-	1.0	-	36	-	10-10	-
DELTAPINE DP3627	45.8	20.3	-	1.0	-	1.0	-	34	-	10-9	-
DELTAPINE 726	32.3	13.1	13.4	1.0	1.0	1.0	1.0	38	21	10-13	10-30
FFR 695	38.0	15.1	-	1.0	-	1.0	-	34	-	10-7	-
HARTZ 6372	35.8	15.1	-	1.0	-	1.0	-	34	-	10-13	-
HARTZ 6686	40.7	14.2	15.2	1.0	1.0	1.0	1.0	34	21	10-11	11-1
HY PERFORMER HSC 623	43.0	15.8	-	1.3	-	1.0	-	32	-	10-5	-
HY PERFORMER SAMPSON	39.4	11.2	-	1.0	-	1.0	-	32	-	10-11	-
LEFLORE	39.7	12.9	13.3	1.0	1.0	1.0	1.0	34	21	10-11	11-3
LLOYD	33.9	14.9	-	1.1	-	1.0	-	38	-	10-12	-
NORTHRUP KING S69-54	39.9	20.7	13.9	1.0	1.0	1.0	1.0	31	22	10-6	10-30
PIONEER 9641	45.6	23.7	-	1.4	-	1.1	-	34	-	10-3	-
PIONEER 9691	37.5	15.8	13.9	1.0	1.0	1.0	1.0	34	21	10-10	11-2
SHARKEY	38.4	16.7	13.9	1.8	1.0	1.0	1.0	39	26	10-13	11-3
TERRA-VIG 616	36.3	15.6	-	1.6	-	1.0	-	38	-	10-12	-
TERRA-VIG 6653	42.2	15.6	-	1.0	-	1.0	-	33	-	10-15	-
TRACY M	41.3	13.7	-	1.0	-	1.0	-	33	-	10-5	-
TWIGGS	42.0	22.6	-	1.0	-	1.0	-	34	-	10-2	-
UNDERWOOD 605	37.7	10.7	-	1.5	-	1.0	-	35	-	10-13	-
UNDERWOOD 607	39.6	16.7	-	1.1	-	1.0	-	40	-	10-8	-
UNDERWOOD 609	39.0	16.6	-	1.1	-	1.0	-	34	-	10-6	-
UNDERWOOD 611	36.1	10.6	-	1.0	-	1.0	-	37	-	10-12	-
YOUNG	45.5	25.8	16.7	1.3	1.0	1.0	1.0	36	22	10-4	10-29

CONTINUED ON THE FOLLOWING PAGE

TABLE 6 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE							
	CAM- DEN	PRATTVILLE		LOGGING		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											
BRAXTON	36.9	7.9	14.8	1.0	1.0	1.0	1.0	38	22	10-20	11-5
BUCKSHOT 723	-	-	16.1	-	1.0	-	1.0	-	22	-	11-2
COKER 6847	-	-	8.0	-	1.0	-	1.0	-	21	-	11-5
COLQUITT	-	-	12.2	-	1.0	-	1.0	-	22	-	11-5
DELTAPINE 417	30.8	9.2	17.7	1.4	1.0	1.0	1.0	46	24	10-17	11-2
FFR 771	34.8	7.8	17.7	1.0	1.0	1.0	1.0	39	23	10-20	11-4
GASOY 17	34.2	11.2	-	1.0	-	1.0	-	37	-	10-14	-
GORDON	31.6	12.7	-	1.0	-	1.0	-	32	-	10-10	-
HAGOOD	37.7	8.4	-	1.3	-	1.0	-	40	-	10-19	-
HARTZ H7190	47.4	15.4	-	1.0	-	1.0	-	32	-	10-11	-
N85-574	47.2	16.1	-	1.1	-	1.0	-	35	-	10-16	-
PIONEER 9711	37.3	14.4	-	1.0	-	1.0	-	33	-	10-12	-
RANSOM	38.2	11.5	-	1.0	-	1.0	-	34	-	10-12	-
STONEWALL	39.7	16.0	14.8	1.0	1.0	1.0	1.0	35	21	10-14	11-2
TERRA-VIG 727	38.6	16.0	8.7	1.0	1.0	1.0	1.0	35	18	10-13	11-1
THOMAS	36.3	11.6	9.3	1.0	1.0	1.0	1.0	33	20	10-18	11-5
WRIGHT	37.5	10.0	-	1.0	-	1.0	-	34	-	10-16	-
LATE											
COBB	50.2	6.6	18.9	1.1	1.0	1.0	1.0	43	25	10-25	11-4
COOK	54.0	12.4	-	1.0	-	1.0	-	38	-	10-19	-
CROCKETT	-	-	16.3	-	1.0	-	1.0	-	24	-	11-3
DELTAPINE 878	45.8	8.2	17.3	1.3	1.0	1.0	1.0	40	22	10-25	11-1
HARTZ HX8448	44.7	8.5	16.3	1.3	1.0	1.0	1.0	36	25	10-19	11-4
HARTZ HX8558	-	-	18.5	-	1.0	-	1.0	-	27	-	11-4
JOHNSTON	46.4	8.2	16.3	1.0	1.0	1.0	1.0	32	22	10-19	11-4
KIRBY	37.1	5.5	14.2	1.0	1.0	1.0	1.0	35	22	10-25	11-5
NORTHROP KING S83-30	-	-	11.7	-	1.0	-	1.0	-	21	-	11-5
PERRIN	45.6	6.0	13.2	1.1	1.0	1.0	1.0	43	25	10-25	11-6
TEST MEANS	42.0	17.0	14.4	1.1	1.0	1.0	1.0	34	22		
L.S.D. (.05)	6.2	5.4	4.1								
C.V. (%)	10.6	22.9	20.0								

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, 1989-91

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1991		2-YR. AV.		3-YR. AV.		LOGGING		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														
HUTCHESON	41.2	-	31.8	-	24.9	-	1.0	-	1.4	-	22	-	9-27	-
FFR 561	41.2	-	30.6	-	23.9	-	1.0	-	1.6	-	24	-	9-28	-
DELTAPINE 415	39.3	-	30.0	-	23.2	-	1.0	-	1.1	-	25	-	9-28	-
BAY	37.7	-	28.9	-	23.0	-	1.0	-	1.6	-	25	-	9-27	-
FORREST	36.2	-	26.9	-	21.8	-	1.0	-	1.0	-	26	-	9-28	-
COKER 485	35.6	-	27.0	-	21.4	-	1.0	-	1.3	-	26	-	10-4	-
DELTAPINE 105	33.6	-	25.2	-	21.0	-	1.3	-	1.1	-	28	-	10-1	-
TERRA-VIG 515	30.3	-	23.4	-	19.3	-	1.0	-	1.2	-	28	-	10-7	-
FFR 565	32.3	-	23.9	-	19.2	-	1.0	-	1.1	-	27	-	9-30	-
HARTZ 5164	29.8	-	22.9	-	18.9	-	1.0	-	1.2	-	26	-	10-5	-
ESSEX	41.5	-	32.7	-	-	-	-	-	-	-	-	-	-	-
TOANO	37.3	-	31.4	-	-	-	-	-	-	-	-	-	-	-
HARTZ H5240	37.4	-	28.0	-	-	-	-	-	-	-	-	-	-	-
WALTERS	37.4	-	27.6	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 5693	42.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 5370	35.5	-	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC579	34.6	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
YOUNG	35.6	16.7	26.2	12.3	20.6	12.6	1.1	1.0	1.1	1.5	31	26	10-4	11-1
TWIGGS	32.3	-	25.2	-	20.0	-	1.0	-	1.1	-	27	-	10-3	-
NORTHRUP KING S69-54	30.3	13.9	22.3	10.7	18.3	13.1	1.0	1.0	1.0	1.0	27	25	10-11	11-4
TRACY M	27.5	-	21.5	-	17.6	-	1.0	-	1.2	-	29	-	10-9	-
TERRA-VIG 616	26.0	-	18.6	-	16.9	-	1.3	-	1.0	-	33	-	10-20	-
DAVIS	26.2	15.3	20.9	11.4	16.7	12.7	1.2	1.0	1.2	1.4	33	28	10-6	10-31
HARTZ 6686	27.5	15.2	19.7	12.0	16.6	-	1.0	-	1.0	-	28	-	10-16	-
PIONEER 9691	26.6	13.9	19.1	-	16.5	-	1.0	-	1.0	-	28	-	10-14	-
SHARKEY	27.6	13.9	18.9	-	15.7	-	1.3	-	1.3	-	34	-	10-19	-
LEFLORE	26.3	13.3	18.0	10.9	15.7	13.2	1.0	1.0	1.2	1.2	29	24	10-16	11-4
HY PERFORMER SAMPSON	25.3	-	18.0	-	15.5	-	1.0	-	1.0	-	29	-	10-17	-
LLOYD	24.4	-	16.6	-	15.3	-	1.0	-	1.0	-	32	-	10-16	-
DELTAPINE 726	22.7	13.4	17.2	10.9	15.2	13.4	1.0	1.0	1.0	1.0	32	26	10-18	11-4
BRIM	35.8	-	26.5	-	-	-	-	-	-	-	-	-	-	-
FFR 695	26.6	-	18.9	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9641	34.7	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE DP3627	33.1	-	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC 623	29.4	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 6653	28.9	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERWOOD 607	28.1	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERWOOD 609	27.8	-	-	-	-	-	-	-	-	-	-	-	-	-
BUCKSHOT 603	25.8	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6372	25.4	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE DPX 3680	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERWOOD 605	24.2	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERWOOD 611	23.3	-	-	-	-	-	-	-	-	-	-	-	-	-
BRYAN	-	11.6	-	9.7	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 7 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 3-YEAR SUMMARY, 1989-91

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1991		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.		
<u>FULL SEASON</u>														
STONEWALL	27.9	14.8	20.1	12.2	17.4	14.0	1.0	1.0	1.0	1.0	28	25	10-20	11-8
GORDON	22.1	-	16.8	-	16.1	-	1.0	-	1.0	-	30	-	10-17	-
WRIGHT	23.7	-	16.9	-	15.8	-	1.1	-	1.0	-	31	-	10-21	-
BRAXTON	22.4	14.8	17.5	11.7	15.8	15.0	1.0	1.0	1.0	1.0	32	25	10-24	11-10
THOMAS	24.0	9.3	16.8	-	15.7	-	1.0	-	1.0	-	30	-	10-23	-
GASOY 17	22.7	-	16.3	-	15.7	-	1.0	-	1.0	-	33	-	10-22	-
FFR 771	21.3	17.7	15.8	13.2	15.3	15.7	1.0	1.0	1.0	1.0	33	28	10-23	11-9
DELTAPINE 417	20.0	17.7	13.7	13.7	13.4	15.7	1.1	1.0	1.1	1.0	37	30	10-24	11-7
N85-574	31.6	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H7190	31.4	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 727	27.3	8.7	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9711	25.9	-	-	-	-	-	-	-	-	-	-	-	-	-
RANSOM	24.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HAGOOD	23.0	-	-	-	-	-	-	-	-	-	-	-	-	-
BUCKSHOT 723	-	16.1	-	-	-	-	-	-	-	-	-	-	-	-
COKER 6847	-	8.0	-	7.7	-	12.2	-	1.0	-	1.0	-	27	-	11-11
COLQUITT	-	12.2	-	-	-	-	-	-	-	-	-	-	-	-
<u>LATE</u>														
JOHNSTON	27.3	16.3	18.0	13.1	16.0	15.5	1.0	1.0	1.0	1.0	29	28	10-25	11-9
COBB	28.4	18.9	17.2	13.6	15.7	16.5	1.1	1.0	1.0	1.0	36	31	10-29	11-10
KIRBY	21.3	14.2	14.3	11.2	13.5	14.5	1.0	1.0	1.0	1.0	32	28	11-1	11-10
DELTAPINE 878	27.0	17.3	17.0	13.4	-	16.0	-	1.0	-	1.0	-	28	-	11-9
COOK	33.2	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ HX8448	26.6	16.3	-	-	-	-	-	-	-	-	-	-	-	-
PERRIN	25.8	13.2	-	-	-	-	-	-	-	-	-	-	-	-
CROCKETT	-	16.3	-	13.9	-	-	-	-	-	-	-	-	-	-
HARTZ HX8558	-	18.5	-	-	-	-	-	-	-	-	-	-	-	-
NORTHROP KING S83-30	-	11.7	-	-	-	-	-	-	-	-	-	-	-	-
TEST MEANS	29.5	14.4	21.9	11.9	17.9	14.3	1.1	1.0	1.1	1.1	29	27		
L.S.D. (.05)	5.8	4.1	5.1		4.7									
C.V. (%)	14.2	20.0	16.9		19.0									

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 30, MAY 27, AND MAY 28 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JULY 1, JUNE 25, AND JUNE 19, RESPECTIVELY.

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE BU.	AVERAGE			MATURITY DATE
		LOGGING SCORE	SHATTERING SCORE	PLANT HEIGHT IN.	
<u>VERY EARLY</u>					
WALTERS	30.7	1.0	1.3	17	10-4
DELTAPINE 105	30.1	1.0	1.3	21	10-4
NAROW	29.4	1.0	1.0	17	9-27
HY PERFORMER HSC591	27.8	1.0	1.0	24	10-13
STONE	27.5	1.0	1.3	21	10-6
FORREST	27.4	1.0	1.5	20	10-4
AGRATECH 550	25.9	1.0	1.0	20	10-10
AGRATECH 575	24.3	1.0	1.3	16	10-6
FFR 595	21.0	1.0	1.0	21	10-14
BAY	19.6	1.0	1.8	17	10-5
TOANO	19.5	1.0	1.8	16	9-28
DELTAPINE 415	17.2	1.0	1.3	16	10-9
HARTZ 5164	15.0	1.0	1.3	17	10-14
HARTZ H5258	12.3	1.0	1.3	14	10-9
HUTCHESON	9.6	1.0	1.7	13	10-7
<u>EARLY</u>					
HY PERFORMER HSC 82J	33.5	1.0	1.3	21	10-11
DELTAPINE DP3627	33.1	1.0	1.0	24	10-12
NORTHROP KING S69-54	31.2	1.0	1.0	20	10-11
HARTZ 6686	29.2	1.0	1.0	21	10-15
AGRATECH 695	28.1	1.0	1.0	22	10-12
SHARKEY	27.2	2.0	1.0	28	10-11
FFR 646	26.0	1.0	1.8	20	10-13
DELTAPINE 726	25.5	1.0	1.0	19	10-16
HY PERFORMER SAMPSON	23.5	1.0	1.0	16	10-14
HY PERFORMER HSC 682	22.8	1.0	1.0	17	10-13
FFR 695	20.9	1.0	1.0	20	10-11
BRYAN	8.3	1.0	1.0	19	10-14

CONTINUED ON THE FOLLOWING PAGE

TABLE 8 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE	AVERAGE			
		LOGGING	SHATTERING	PLANT HEIGHT	MATURITY DATE
	BU.	SCORE	SCORE	IN.	
<u>FULL SEASON</u>					
THOMAS	36.9	1.0	1.0	21	10-15
HAGOOD	36.8	1.3	1.0	27	10-18
STONEWALL	35.1	1.0	1.0	22	10-15
COLQUITT	32.8	1.0	1.0	23	10-13
TERRA-VIG 727	30.9	1.0	1.0	19	10-15
BRAXTON	28.8	1.0	1.0	23	10-15
HARTZ H7190	25.9	1.0	1.0	19	10-14
RANSOM	25.4	1.0	1.3	19	10-13
BUCKSHOT 723	25.2	1.0	2.0	22	10-15
DELTAPINE 417	24.4	1.0	1.0	23	10-16
GORDON	8.0	1.0	1.0	16	10-16
FFR 771	3.0	1.0	1.0	22	10-16
<u>LATE</u>					
SC 84-679	33.3	1.0	1.0	23	10-16
HARTZ HX8448	29.9	1.0	1.0	20	10-22
JOHNSTON	29.8	1.0	1.0	22	10-16
DELTAPINE 878	25.7	1.0	1.0	21	10-19
PERRIN	24.7	1.0	1.0	26	10-21
COBB	24.3	1.0	1.0	22	10-22
KIRBY	22.4	1.0	1.0	22	10-22
TEST MEANS	25.0	1.0	1.1	20	
L.S.D. (.05)	9.8				
C.V. (%)	27.9				

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

TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA,
3-YEAR SUMMARY, 1989-91

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			
	1991	2-YR. AV.	3-YR. AV.	LODGING	SHATTERING	PLANT HEIGHT	MATURITY DATE
	BU.	BU.	BU.	SCORE	SCORE	IN.	
<u>VERY EARLY</u>							
DELTAPINE 105	30.1	22.5	23.1	1.1	1.6	23	9-25
NAROW	29.4	23.2	21.6	1.0	1.3	17	9-20
DELTAPINE 415	17.2	16.6	18.7	1.1	1.5	21	10-1
FORREST	27.4	19.4	18.2	1.2	1.4	22	9-26
HARTZ 5164	15.0	12.7	15.6	1.3	1.4	22	10-6
TOANO	19.5	16.9	15.3	1.0	1.8	17	9-19
HUTCHESON	9.6	13.2	14.3	1.0	1.6	16	9-26
BAY	19.6	15.5	13.3	1.0	1.8	18	9-27
WALTERS	30.7	23.8	-	-	-	-	-
HARTZ H5258	12.3	14.6	-	-	-	-	-
HY PERFORMER HSC591	27.8	-	-	-	-	-	-
STONE	27.5	-	-	-	-	-	-
AGRATECH 550	25.9	-	-	-	-	-	-
AGRATECH 575	24.3	-	-	-	-	-	-
FFR 595	21.0	-	-	-	-	-	-
<u>EARLY</u>							
DELTAPINE 726	25.5	20.5	18.2	1.1	1.7	24	10-14
SHARKEY	27.2	19.3	17.7	1.8	1.5	30	10-18
HY PERFORMER SAMPSON	23.5	18.1	14.9	1.2	1.2	20	10-9
BRYAN	8.3	7.7	6.5	1.1	1.7	20	10-14
NORTHRUP KING S69-54	31.2	22.5	-	-	-	-	-
HARTZ 6686	29.2	21.1	-	-	-	-	-
HY PERFORMER HSC B2J	33.5	20.3	-	-	-	-	-
FFR 695	20.9	15.7	-	-	-	-	-
DELTAPINE DP3627	33.1	-	-	-	-	-	-
AGRATECH 695	28.1	-	-	-	-	-	-
FFR 646	26.0	-	-	-	-	-	-
HY PERFORMER HSC 682	22.8	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 9 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA,
3-YEAR SUMMARY, 1989-91

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			MATURITY DATE
	1991	2-YR. AV.	3-YR. AV.	LOGGING	SHATTERING	PLANT HEIGHT	
	BU.	BU.	BU.	SCORE	SCORE	IN.	
<u>FULL SEASON</u>							
STONEWALL	35.1	25.2	24.1	1.2	1.6	23	10-15
THOMAS	36.9	23.9	22.1	1.1	1.4	25	10-19
COLQUITT	32.8	24.0	20.3	1.2	1.3	25	10-14
TERRA-VIG 727	30.9	21.5	19.9	1.1	1.3	21	10-16
BRAXTON	28.8	22.7	18.5	1.0	1.3	25	10-15
RANSOM	25.4	17.9	15.7	1.1	1.8	23	10-11
DELTAPINE 417	24.4	17.8	14.7	1.2	2.2	27	10-16
HARTZ H7190	25.9	22.4	-	-	-	-	-
FFR 771	3.0	9.0	-	-	-	-	-
HAGOOD	36.8	-	-	-	-	-	-
BUCKSHOT 723	25.2	-	-	-	-	-	-
GORDON	8.0	-	-	-	-	-	-
<u>LATE</u>							
JOHNSTON	29.8	21.9	17.5	1.3	1.5	24	10-15
COBB	24.3	17.9	13.7	1.2	2.3	28	10-19
DELTAPINE 878	25.7	15.5	-	-	-	-	-
SC 84-679	33.3	-	-	-	-	-	-
HARTZ HX8448	29.9	-	-	-	-	-	-
PERRIN	24.7	-	-	-	-	-	-
KIRBY	22.4	-	-	-	-	-	-
TEST MEANS	25.0	18.8	17.3	1.1	1.6	22	
L.S.D. (.05)	9.8	8.1	6.9				
C.V. (%)	27.9	23.7	23.0				

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 JUNE 12, MAY 21, AND MAY 28,
RESPECTIVELY.

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE		REGIONAL AVERAGE							
	DATE 1 DATE 2		LOGGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	BU.	BU.	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
			SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY										
AGRATECH 550	29.6	-	1.0	-	1.3	-	21	-	10-13	-
AGRATECH 575	27.0	-	1.0	-	1.3	-	16	-	10-5	-
BUCKSHOT 507	42.1	-	1.3	-	1.0	-	23	-	10-11	-
CAMP	10.0	-	1.0	-	2.0	-	8	-	10-9	-
COKER 485	37.2	-	1.0	-	1.3	-	20	-	10-10	-
DELTAPINE 105	38.4	-	1.0	-	1.0	-	21	-	10-11	-
DELTAPINE 415	24.1	-	1.0	-	1.0	-	17	-	10-10	-
FORREST	31.0	-	1.0	-	1.5	-	19	-	10-10	-
HARTZ H5240	39.0	-	1.8	-	1.5	-	21	-	10-4	-
HARTZ H5258	30.3	-	1.0	-	1.3	-	19	-	10-10	-
HARTZ 5164	43.1	-	1.3	-	1.3	-	22	-	10-13	-
HARTZ 5370	41.0	-	1.0	-	1.3	-	21	-	10-9	-
HUTCHESON	32.2	-	1.0	-	1.0	-	15	-	10-6	-
HY PERFORMER HB89-16	40.3	-	1.0	-	2.0	-	23	-	10-11	-
HY PERFORMER HSC591	51.7	-	1.0	-	1.0	-	26	-	10-14	-
NAROW	34.9	-	1.0	-	1.3	-	18	-	10-6	-
PIONEER 9582	36.0	-	1.0	-	1.8	-	20	-	10-10	-
PIONEER 9591	27.8	-	1.0	-	1.3	-	14	-	10-13	-
RIVERSIDE 577	44.1	-	1.0	-	1.3	-	22	-	10-11	-
STONE	38.8	-	1.0	-	1.0	-	21	-	10-11	-
TERRA-VIG 515	39.0	-	1.0	-	1.3	-	22	-	10-13	-
TOANO	28.2	-	1.0	-	1.3	-	16	-	10-7	-
WALTERS	39.4	-	1.0	-	2.0	-	19	-	10-9	-
EARLY										
AGRATECH 695	39.7	37.4	1.3	2.0	1.0	1.0	22	26	10-16	10-18
AU86-888	33.1	-	1.0	-	1.3	-	17	-	10-15	-
BRIM	34.4	-	1.0	-	2.0	-	21	-	10-10	-
BRYAN	39.7	-	1.0	-	1.3	-	22	-	10-15	-
BUCKSHOT 603	42.0	-	1.3	-	1.0	-	22	-	10-17	-
CENTENNIAL	41.4	-	1.0	-	1.0	-	22	-	10-14	-
DAVIS	45.7	40.7	1.3	1.5	1.5	1.0	25	26	10-14	10-18
DELTAPINE DP3627	44.5	37.8	1.3	1.0	1.0	1.0	23	24	10-15	10-18
DELTAPINE 726	51.0	-	1.3	-	1.0	-	25	-	10-17	-
FFR 646	37.8	-	1.0	-	1.5	-	23	-	10-15	-
FFR 695	39.1	-	1.0	-	1.0	-	21	-	10-16	-
HARTZ 6372	49.7	-	1.5	-	1.3	-	26	-	10-15	-
HARTZ 6686	49.6	-	1.0	-	1.0	-	23	-	10-16	-
HY PERFORMER HSC 682	41.6	38.1	1.0	1.3	1.0	1.0	21	21	10-16	10-18
HY PERFORMER SAMPSON	32.5	38.9	1.0	1.0	1.0	1.0	17	22	10-17	10-18
LAMAR	37.1	-	1.0	-	1.0	-	21	-	10-14	-
LEFLORE	39.3	38.9	1.3	1.3	1.3	1.3	23	25	10-14	10-16
NORTHROP KING S61-89	42.9	-	1.3	-	1.5	-	24	-	10-15	-
PIONEER 9641	44.8	-	1.0	-	1.8	-	23	-	10-13	-
PIONEER 9681	48.8	-	1.5	-	1.0	-	23	-	10-15	-
RIVERSIDE CAJUN	35.6	41.0	1.0	1.5	1.3	1.0	20	23	10-14	10-18
SHARKEY	38.7	21.1	2.5	3.0	1.5	1.5	26	25	10-11	10-13
TERRA-VIG 616	40.2	-	1.5	-	1.0	-	23	-	10-15	-
TRACY M	32.0	22.7	1.5	1.5	1.8	1.8	23	23	10-9	10-10
TWIGGS	40.8	-	1.0	-	1.3	-	24	-	10-11	-
YOUNG	41.6	-	1.0	-	1.3	-	24	-	10-13	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 10 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE		REGIONAL AVERAGE							
			LOGGING		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>FULL SEASON</u>										
AU85-1814	40.1	-	1.5	-	1.0	-	24	-	10-21	-
BRAXTON	38.9	45.1	1.0	1.0	1.0	1.3	22	23	10-20	10-20
BUCKSHOT 723	48.8	-	1.3	-	1.8	-	26	-	10-18	-
COKER 6847	42.8	39.6	1.0	1.0	1.3	1.0	23	23	10-18	10-18
COLQUITT	48.5	-	1.3	-	1.0	-	24	-	10-18	-
DELTAPINE 417	38.4	47.5	1.0	1.0	1.0	1.0	25	25	10-21	10-22
DIXIE AG RALLY	41.3	-	1.8	-	1.0	-	24	-	10-20	-
FFR 771	32.1	49.5	1.0	1.3	1.0	1.0	23	26	10-22	10-23
HAGOOD	49.3	-	1.3	-	1.0	-	25	-	10-19	-
HARTZ H7190	42.9	-	1.0	-	1.0	-	21	-	10-18	-
HY PERFORMER HSC-721	46.2	41.9	2.0	2.3	1.0	1.0	25	24	10-17	10-19
N85-574	47.1	-	1.0	-	1.0	-	22	-	10-17	-
PIONEER 9711	44.1	-	1.3	-	1.0	-	21	-	10-16	-
PIONEER 9791	31.3	38.0	1.0	1.0	1.0	1.0	19	22	10-16	10-18
RANSOM	38.7	-	1.0	-	1.0	-	21	-	10-19	-
RIVERSIDE 757	49.6	-	2.3	-	1.0	-	26	-	10-18	-
STONEWALL	33.1	47.0	1.0	1.0	1.0	1.3	20	23	10-17	10-20
TERRA-VIG 727	36.7	36.9	1.0	1.0	1.0	1.0	21	22	10-16	10-17
THOMAS	31.6	45.1	1.0	1.0	1.0	1.0	19	22	10-18	10-20
<u>LATE</u>										
COBB	40.1	34.1	1.0	1.3	1.0	1.3	24	26	10-28	10-30
COOK	-	41.5	-	1.0	-	1.0	-	22	-	10-21
DELTAPINE 878	35.9	35.0	1.0	1.0	1.0	1.0	23	23	10-21	10-25
HARTZ HX8448	49.1	39.8	1.5	1.5	1.0	1.0	24	26	10-22	10-24
HARTZ HX8558	52.2	43.8	1.5	1.3	1.0	1.3	27	26	10-21	10-23
JOHNSTON	47.3	50.2	1.8	1.5	1.0	1.0	21	25	10-21	10-23
KIRBY	34.5	-	1.3	-	1.0	-	21	-	10-23	-
NORTHROP KING S83-30	-	42.1	-	1.0	-	1.0	-	24	-	10-25
PERRIN	-	28.0	-	1.0	-	1.3	-	21	-	10-25
SC 84-679	-	42.5	-	1.5	-	1.0	-	25	-	10-24
TEST MEANS	39.3	39.4	1.2	1.3	1.2	1.1	21	24		
L.S.D. (.05)	10.7	8.1								
C.V. (%)	19.4	14.5								

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							
	1991		2-YR. AV.		3-YR. AV.		LOGGING		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 515	39.0	-	35.1	-	39.5	-	1.1	-	1.3	-	29	-	10-4	-
COKER 485	37.2	-	34.6	-	39.1	-	1.3	-	1.4	-	26	-	9-30	-
HARTZ 5164	43.1	-	35.0	-	39.0	-	1.3	-	1.3	-	29	-	9-30	-
NAROW	34.9	-	33.7	-	38.9	-	1.0	-	1.3	-	24	-	9-22	-
DELTAPINE 105	38.4	-	32.1	-	37.4	-	1.6	-	1.4	-	30	-	9-28	-
FORREST	31.0	-	31.0	-	34.3	-	1.1	-	1.3	-	28	-	9-26	-
DELTAPINE 415	24.1	-	27.7	-	33.8	-	1.1	-	1.2	-	25	-	9-25	-
RIVERSIDE 577	44.1	-	35.6	-	-	-	-	-	1.4	-	-	-	-	-
WALTERS	39.4	-	33.8	-	-	-	-	-	1.7	-	-	-	-	-
HARTZ H5240	39.0	-	32.8	-	-	-	-	-	1.5	-	-	-	-	-
HUTCHESON	32.2	-	32.6	-	-	-	-	-	1.3	-	-	-	-	-
AGRATECH 550	29.6	-	27.2	-	-	-	-	-	1.3	-	-	-	-	-
HY PERFORMER HSC591	51.7	-	-	-	-	-	-	-	1.3	-	-	-	-	-
BUCKSHOT 507	42.1	-	-	-	-	-	-	-	1.3	-	-	-	-	-
HARTZ 5370	41.0	-	-	-	-	-	-	-	1.3	-	-	-	-	-
HY PERFORMER HB89-16	40.3	-	-	-	-	-	-	-	1.6	-	-	-	-	-
STONE	38.8	-	-	-	-	-	-	-	1.3	-	-	-	-	-
PIONEER 9582	36.0	-	-	-	-	-	-	-	1.7	-	-	-	-	-
HARTZ H5258	30.3	-	-	-	-	-	-	-	1.4	-	-	-	-	-
TOANO	28.2	-	-	-	-	-	-	-	1.4	-	-	-	-	-
PIONEER 9591	27.8	-	-	-	-	-	-	-	1.3	-	-	-	-	-
AGRATECH 575	27.0	-	-	-	-	-	-	-	1.3	-	-	-	-	-
CAMP	10.0	-	-	-	-	-	-	-	1.7	-	-	-	-	-
EARLY														
DELTAPINE 726	51.0	-	39.4	-	38.5	-	1.5	-	1.3	-	34	-	10-13	-
HARTZ 6372	49.7	-	38.1	-	38.4	-	1.6	-	1.4	-	31	-	10-12	-
PIONEER 9641	44.8	-	35.5	-	36.8	-	1.0	-	2.8	-	30	-	10-2	-
CENTENNIAL	41.4	-	33.4	-	35.6	-	1.4	-	1.3	-	31	-	10-12	-
YOUNG	41.6	-	32.3	-	35.3	-	1.5	-	2.3	-	32	-	10-3	-
RIVERSIDE CAJUN	35.6	41.0	30.8	-	35.0	-	1.3	-	1.5	1.8	26	-	10-9	-
DAVIS	45.7	40.7	34.4	30.2	34.8	29.1	1.9	1.3	2.6	2.3	33	27	10-6	10-21
TRACY M	32.0	22.7	30.4	23.7	34.2	20.7	2.1	1.4	1.6	1.8	29	24	10-3	10-17
LEFLORE	39.3	38.9	31.8	28.7	33.4	23.6	1.2	1.1	1.4	1.4	31	24	10-9	10-20
SHARKEY	38.7	21.1	31.8	22.6	32.7	21.4	2.8	1.9	2.1	1.5	33	27	10-8	10-20
HY PERFORMER SAMPSON	32.5	38.9	28.9	-	30.8	-	1.3	-	1.0	1.8	28	-	10-12	-
HARTZ 6686	49.6	-	40.5	-	-	-	-	-	1.3	-	-	-	-	-
DELTAPINE DP3627	44.5	37.8	34.9	-	-	-	-	-	1.3	1.3	-	-	-	-
BRYAN	39.7	-	34.6	-	-	-	-	-	1.9	-	-	-	-	-
AGRATECH 695	39.7	37.4	32.0	-	-	-	-	-	1.4	1.8	-	-	-	-
TWIGGS	40.8	-	31.9	-	-	-	-	-	2.2	-	-	-	-	-
FFR 646	37.8	-	30.7	-	-	-	-	-	2.2	-	-	-	-	-
BRIM	34.4	-	30.5	-	-	-	-	-	2.1	-	-	-	-	-
PIONEER 9681	48.8	-	-	-	-	-	-	-	2.5	-	-	-	-	-
NORTHROP KING S61-89	42.9	-	-	-	-	-	-	-	2.0	-	-	-	-	-
BUCKSHOT 603	42.0	-	-	-	-	-	-	-	1.3	-	-	-	-	-
HY PERFORMER HSC 682	41.6	38.1	-	-	-	-	-	-	1.7	1.8	-	-	-	-
TERRA-VIG 616	40.2	-	-	-	-	-	-	-	1.5	-	-	-	-	-
FFR 695	39.1	-	-	-	-	-	-	-	2.0	-	-	-	-	-
LAMAR	37.1	-	-	-	-	-	-	-	1.3	-	-	-	-	-
AU86-888	33.1	-	-	-	-	-	-	-	1.8	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

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

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1991		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														
COKER 6847	42.8	39.6	36.2	33.3	38.3	-	1.2	-	1.2	1.0	31	-	10-15	-
COLQUITT	48.5	-	38.6	-	37.8	-	1.3	-	1.0	-	31	-	10-15	-
PIONEER 9791	31.3	38.0	31.5	32.2	35.3	25.9	1.2	1.0	1.0	1.0	28	21	10-14	10-26
STONEWALL	33.1	47.0	32.2	37.1	35.0	31.4	1.2	1.0	1.6	1.4	30	24	10-14	10-26
RANSON	38.7	-	32.8	-	34.3	-	1.2	-	1.3	-	29	-	10-12	-
BRAXTON	38.9	45.1	33.9	35.3	34.1	27.7	1.2	1.0	1.0	1.1	31	23	10-17	10-25
TERRA-VIG 727	36.7	36.9	32.6	-	33.9	-	1.1	-	1.3	1.0	29	-	10-13	-
RIVERSIDE 757	49.6	-	36.5	-	33.6	-	2.2	-	1.0	-	34	-	10-17	-
THOMAS	31.6	45.1	30.2	32.8	32.9	-	1.2	-	1.4	1.0	29	-	10-16	-
DELTAPINE 417	38.4	47.5	32.2	38.3	31.5	32.5	1.5	1.0	1.7	1.3	36	26	10-16	10-27
HAGOOD	49.3	-	37.2	-	-	-	-	-	1.2	-	-	-	-	-
HY PERFORMER HSC-721	46.2	41.9	35.8	-	-	-	-	-	1.8	1.0	-	-	-	-
FFR 771	32.1	49.5	30.4	-	-	-	-	-	1.0	1.0	-	-	-	-
BUCKSHOT 723	48.8	-	-	-	-	-	-	-	1.3	-	-	-	-	-
N85-574	47.1	-	-	-	-	-	-	-	1.2	-	-	-	-	-
PIONEER 9711	44.1	-	-	-	-	-	-	-	1.2	-	-	-	-	-
HARTZ H7190	42.9	-	-	-	-	-	-	-	1.0	-	-	-	-	-
DIXIE AG RALLY	41.3	-	-	-	-	-	-	-	1.0	-	-	-	-	-
AU85-1814	40.1	-	-	-	-	-	-	-	1.2	-	-	-	-	-
LATE														
JOHNSTON	47.3	50.2	38.0	39.9	37.9	36.6	1.6	1.3	1.1	1.0	31	27	10-16	10-28
COBB	40.1	34.1	33.1	32.5	29.9	29.1	1.8	1.3	2.0	1.3	35	29	10-23	10-31
KIRBY	34.5	-	30.0	-	26.2	-	1.4	-	1.0	-	31	-	10-22	-
HARTZ HX8558	52.2	43.8	-	-	-	-	-	-	1.1	1.1	-	-	-	-
HARTZ HX8448	49.1	39.8	-	-	-	-	-	-	1.1	1.0	-	-	-	-
DELTAPINE 878	35.9	35.0	-	-	-	-	-	-	1.1	1.0	-	-	-	-
COOK	-	41.5	-	-	-	-	-	-	-	1.0	-	-	-	-
NORTHROP KING S83-30	-	42.1	-	-	-	-	-	-	-	1.0	-	-	-	-
PERRIN	-	28.0	-	-	-	-	-	-	-	1.1	-	-	-	-
SC 84-679	-	42.5	-	-	-	-	-	-	-	1.0	-	-	-	-
TEST MEANS	39.3	39.4	33.4	32.2	35.1	27.8	1.4	1.2	1.5	1.3	30	25		
L.S.D. (.05)	10.7	8.1												
C.V. (%)	19.4	14.5												

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;

LATE = MATURITY GROUP VIII.

THE PLANTING DATE FOR FIRST PLANTING FOR 1-YEAR, 2-YEAR AND 3-YEAR AVERAGES WAS JUNE 12, JUNE 6, AND MAY 26, RESPECTIVELY.

THE PLANTING DATE FOR SECOND PLANTING WAS JULY 3, 1991, JUNE 26 FOR 2-YEAR(1990-91), AND JULY 6 FOR 3-YEAR (1988 & 1990-91) AVERAGES.

TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE							
	BREWTON		HEAD- LAND	LOGGING		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.		
<u>VERY EARLY</u>											
COKER 485	51.6	-	38.3	1.1	-	1.0	-	26	-	10-3	-
DELTAPINE 105	53.7	-	44.9	1.3	-	1.0	-	27	-	9-28	-
DELTAPINE 415	38.5	-	38.3	1.0	-	1.0	-	21	-	9-30	-
FFR 565	43.5	-	39.8	1.1	-	1.4	-	27	-	9-30	-
FORREST	39.4	-	37.2	1.1	-	1.0	-	24	-	9-28	-
HUTCHESON	42.6	-	44.9	1.0	-	1.3	-	20	-	10-3	-
HY PERFORMER HB89-16	40.2	-	37.6	1.1	-	1.6	-	28	-	9-30	-
HY PERFORMER HSC591	48.0	-	43.5	1.6	-	1.0	-	29	-	10-1	-
PIONEER 9582	46.3	-	39.4	1.0	-	1.0	-	25	-	9-29	-
PIONEER 9591	45.5	-	33.1	1.0	-	1.3	-	18	-	10-7	-
RIVERSIDE 577	47.1	-	35.3	1.4	-	2.1	-	28	-	10-1	-
TERRA-VIG 515	52.0	-	35.7	1.1	-	1.0	-	25	-	10-5	-
<u>EARLY</u>											
AGRATECH 695	42.3	-	39.4	1.1	-	1.0	-	27	-	10-8	-
AU86-888	47.7	-	41.2	1.1	-	1.0	-	23	-	10-6	-
BRYAN	49.4	-	33.9	1.0	-	1.0	-	29	-	10-8	-
DAVIS	51.3	49.1	35.0	1.5	1.5	1.0	1.0	33	26	10-5	10-12
DELTAPINE DPX 3680	49.0	47.1	37.2	1.3	1.3	1.0	1.0	30	28	10-8	10-11
DELTAPINE 726	51.0	-	41.4	1.2	-	1.0	-	29	-	10-14	-
FFR 646	47.7	47.4	33.9	1.0	1.0	1.6	1.0	30	29	10-7	10-11
FFR 695	-	42.3	-	-	1.0	-	1.0	-	26	-	10-10
HARTZ 6686	50.2	-	39.4	1.0	-	1.0	-	26	-	10-9	-
HY PERFORMER HSC B2J	48.3	-	39.0	1.0	-	1.0	-	30	-	10-3	-
HY PERFORMER HSC 623	48.9	-	36.1	1.2	-	1.0	-	26	-	10-4	-
HY PERFORMER HSC 682	48.3	-	33.5	1.0	-	1.0	-	25	-	10-12	-
HY PERFORMER SAMPSON	-	45.3	-	-	1.0	-	1.0	-	21	-	10-10
LEFLORE	46.6	-	31.3	1.0	-	1.0	-	25	-	10-7	-
LLOYD	47.1	49.3	39.0	1.3	1.0	1.0	1.0	31	28	10-10	10-12
NORTHROP KING S64-23	45.4	-	33.1	1.2	-	1.0	-	35	-	10-2	-
NORTHROP KING S69-54	49.6	-	37.6	1.0	-	1.0	-	27	-	10-7	-
N85-492	52.1	-	47.5	1.0	-	1.3	-	22	-	10-3	-
PIONEER 9641	53.4	-	44.9	1.1	-	1.4	-	28	-	10-7	-
RIVERSIDE CAJUN	50.2	-	39.4	1.1	-	1.0	-	30	-	10-5	-
RIVERSIDE 699	49.6	-	37.2	1.0	-	1.0	-	28	-	10-6	-
SHARKEY	42.2	40.2	39.4	2.1	1.8	1.4	1.5	37	31	10-9	10-13
TERRA-VIG 616	48.5	42.4	34.2	1.7	1.0	1.0	1.0	32	24	10-12	10-10
TERRA-VIG 626	40.5	-	37.2	1.8	-	1.0	-	32	-	10-5	-
TERRA-VIG 6653	46.4	-	35.0	1.0	-	1.0	-	25	-	10-6	-
YOUNG	54.2	50.0	43.8	1.4	1.0	1.0	1.0	32	26	10-3	10-11

CONTINUED ON THE FOLLOWING PAGE

TABLE 12 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 1991

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											
AGRATECH 700	42.1	46.9	31.3	1.1	1.3	1.0	1.0	29	28	10-15	10-18
AU85-1814	47.0	-	36.1	1.3	-	1.0	-	34	-	10-17	-
BRAXTON	46.6	47.8	40.1	1.3	1.0	1.0	1.0	31	27	10-14	10-15
BUCKSHOT 723	47.9	-	32.0	1.7	-	1.0	-	32	-	10-17	-
COKER 6847	46.7	-	46.0	1.3	-	1.0	-	32	-	10-13	-
DELTAPINE 417	50.6	48.8	39.4	1.8	1.0	1.0	1.0	39	28	10-17	10-20
DIXIE AG RALLY	48.4	-	39.0	1.7	-	1.0	-	34	-	10-14	-
FFR 771	43.7	46.4	39.8	1.3	1.0	1.0	1.0	33	27	10-16	10-20
GASOY 17	43.5	-	29.1	1.3	-	1.0	-	31	-	10-17	-
HAGOOD	47.6	-	37.9	1.7	-	1.0	-	34	-	10-14	-
HARTZ H7190	51.1	43.7	49.0	1.0	1.0	1.0	1.0	26	22	10-12	10-16
HY PERFORMER HSC-721	45.7	-	36.1	1.4	-	1.0	-	28	-	10-12	-
PIONEER 9711	50.5	-	35.0	1.1	-	1.0	-	28	-	10-10	-
PIONEER 9791	44.9	-	44.9	1.1	-	1.0	-	26	-	10-14	-
RIVERSIDE 757	48.4	48.5	36.5	1.6	1.3	1.0	1.0	32	28	10-16	10-16
STONEWALL	50.4	46.1	36.5	1.0	1.0	1.0	1.0	27	25	10-10	10-13
TERRA-VIG 727	49.1	37.1	32.4	1.0	1.0	1.0	1.0	27	20	10-8	10-13
THOMAS	45.8	42.7	32.4	1.1	1.0	1.0	1.0	28	22	10-17	10-15
UNDERWOOD 701P	39.6	-	34.2	1.3	-	1.0	-	31	-	10-5	-
UNDERWOOD 701W	40.8	-	39.8	1.1	-	1.0	-	31	-	10-2	-
UNDERWOOD 703	33.3	-	34.6	1.2	-	1.0	-	27	-	10-11	-
FULL SEASON, LATE											
COBB	36.4	45.9	44.2	2.0	1.0	1.0	1.0	39	31	10-21	10-24
COOK	57.1	46.3	52.7	1.5	1.0	1.0	1.0	33	25	10-17	10-19
DELTAPINE 878	40.4	39.7	36.8	1.8	1.0	1.0	1.0	36	27	10-19	10-21
HARTZ HX8448	46.5	46.9	37.6	1.2	1.0	1.0	1.0	30	28	10-18	10-18
HARTZ HX8558	52.2	-	44.2	1.0	-	1.0	-	33	-	10-18	-
JOHNSTON	45.4	48.9	40.9	1.3	1.0	1.0	1.0	30	25	10-18	10-21
KIRBY	44.0	41.3	35.0	1.3	1.0	1.0	1.0	34	27	10-17	10-20
NORTHRUP KING S83-30	-	47.6	-	-	1.0	-	1.0	-	26	-	10-19
PERRIN	44.8	41.0	39.0	1.4	1.5	1.0	1.0	38	30	10-19	10-22
SC 84-679	40.7	44.2	47.9	1.2	1.0	1.0	1.0	32	25	10-20	10-17
TEST MEANS	46.7	45.3	38.5	1.2	1.1	1.1	1.0	29	26		
L.S.D. (.05)	8.1	4.0	10.5								
C.V. (%)	12.5	6.2	19.6								

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

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES IN BREWTON, ALABAMA, 3-YEAR SUMMARY, 1989-91

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1991		2-YR. AV.		3-YR. AV.		LOGGING		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														
DELTAPINE 105	53.7	-	42.0	-	42.0	-	1.0	-	1.0	-	28	-	9-22	-
COKER 485	51.6	-	39.7	-	35.0	-	1.0	-	1.0	-	26	-	9-26	-
TERRA-VIG 515	52.0	-	37.0	-	34.7	-	1.0	-	1.0	-	28	-	9-29	-
FORREST	39.4	-	31.7	-	29.9	-	1.1	-	1.0	-	25	-	9-22	-
FFR 565	43.5	-	34.4	-	29.5	-	1.0	-	1.4	-	27	-	9-26	-
HUTCHESON	42.6	-	38.2	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 577	47.1	-	36.7	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9591	45.5	-	35.6	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 415	38.5	-	34.3	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC591	48.0	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9582	46.3	-	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HB89-16	40.2	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
HARTZ 6686	50.2	-	37.5	-	39.3	-	1.0	-	1.0	-	28	-	10-4	-
DAVIS	51.3	49.1	37.7	30.7	36.6	34.0	1.6	1.3	1.0	2.5	35	26	10-1	10-10
NORTHROP KING S69-54	49.6	-	36.8	-	36.1	-	1.0	-	1.0	-	27	-	10-3	-
TERRA-VIG 616	48.5	42.4	34.7	28.4	35.6	30.0	1.3	1.0	1.0	1.0	34	24	10-8	10-12
DELTAPINE 726	51.0	-	34.2	-	33.8	-	1.0	-	1.0	-	30	-	10-7	-
LEFLORE	46.6	-	33.3	-	33.2	-	1.0	-	1.0	-	28	-	10-2	-
LLOYD	47.1	49.3	33.1	-	32.5	-	1.1	-	1.0	-	33	-	10-5	-
SHARKEY	42.2	40.2	32.2	25.9	31.8	27.4	1.9	1.6	1.4	1.5	37	29	10-3	10-9
PIONEER 9641	53.4	-	41.4	-	-	-	-	-	-	-	-	-	-	-
YOUNG	54.2	50.0	40.0	31.7	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC B2J	48.3	-	36.7	-	-	-	-	-	-	-	-	-	-	-
BRYAN	49.4	-	34.1	-	-	-	-	-	-	-	-	-	-	-
N85-492	52.1	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE CAJUN	50.2	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 699	49.6	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE DPX 3680	49.0	47.1	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC 623	48.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC 682	48.3	-	-	-	-	-	-	-	-	-	-	-	-	-
AU86-888	47.7	-	-	-	-	-	-	-	-	-	-	-	-	-
FFR 646	47.7	47.4	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 6653	46.4	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHROP KING S64-23	45.4	-	-	-	-	-	-	-	-	-	-	-	-	-
AGRATECH 695	42.3	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 626	40.5	-	-	-	-	-	-	-	-	-	-	-	-	-
FFR 695	-	42.3	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER SAMPSON	-	45.3	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 13 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN BREWTON, ALABAMA, 3-YEAR SUMMARY, 1989-91

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1991		2-YR. AV.		3-YR. AV.		LOGGING		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														
PIONEER 9791	44.9	-	32.7	-	34.7	-	1.0	-	1.0	-	27	-	10-6	-
STONEWALL	50.4	46.1	34.6	29.0	33.9	32.3	1.0	1.0	1.0	1.0	28	24	10-7	10-14
COKER 6847	46.7	-	31.7	-	33.0	-	1.2	-	1.0	-	33	-	10-10	-
BRAXTON	46.6	47.8	32.9	-	32.2	-	1.0	-	1.0	-	32	-	10-11	-
RIVERSIDE 757	48.4	48.5	29.8	32.0	32.2	-	1.4	-	1.0	-	35	-	10-12	-
FFR 771	43.7	46.4	31.8	-	31.7	-	1.0	-	1.0	-	35	-	10-11	-
THOMAS	45.8	42.7	30.4	-	30.5	-	1.0	-	1.0	-	29	-	10-9	-
DELTAPINE 417	50.6	48.8	32.3	32.7	29.9	34.9	1.4	1.3	1.0	1.0	40	29	10-11	10-18
GASOY 17	43.5	-	27.8	-	29.0	-	1.6	-	1.0	-	34	-	10-11	-
HARTZ H7190	51.1	43.7	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9711	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 727	49.1	37.1	-	-	-	-	-	-	-	-	-	-	-	-
DIXIE AG RALLY	48.4	-	-	-	-	-	-	-	-	-	-	-	-	-
BUCKSHOT 723	47.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HAGOOD	47.6	-	-	-	-	-	-	-	-	-	-	-	-	-
AU85-1814	47.0	-	-	-	-	-	-	-	-	-	-	-	-	-
HY PERFORMER HSC-721	45.7	-	-	-	-	-	-	-	-	-	-	-	-	-
AGRATECH 700	42.1	46.9	-	-	-	-	-	-	-	-	-	-	-	-
UNDERWOOD 701W	40.8	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERWOOD 701P	39.6	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERWOOD 703	33.3	-	-	-	-	-	-	-	-	-	-	-	-	-
FULL SEASON, LATE														
JOHNSTON	45.4	48.9	29.6	29.1	33.1	30.2	1.0	1.0	1.0	1.0	32	24	10-12	10-22
COBB	36.4	45.9	25.1	29.7	29.0	32.3	1.6	1.1	1.0	1.0	38	30	10-21	10-26
DELTAPINE 878	40.4	39.7	26.1	25.6	28.3	29.5	1.3	1.0	1.0	1.0	35	26	10-20	10-25
KIRBY	44.0	41.3	28.2	28.0	27.5	29.9	1.0	1.0	1.0	1.0	33	27	10-17	10-23
COOK	57.1	46.3	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ HX8558	52.2	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ HX8448	46.5	46.9	-	-	-	-	-	-	-	-	-	-	-	-
PERRIN	44.8	41.0	-	-	-	-	-	-	-	-	-	-	-	-
SC 84-679	40.7	44.2	-	-	-	-	-	-	-	-	-	-	-	-
NORTHROP KING S83-30	-	47.6	-	-	-	-	-	-	-	-	-	-	-	-
TEST MEANS	46.7	45.3	33.9	29.4	32.9	31.2	1.2	1.1	1.0	1.2	31	27		
L.S.D. (.05)	8.1	4.0	6.5		7.7									
C.V. (%)	12.5	6.2	13.7		16.8									

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 JUNE 5, MAY 30, AND MAY 28 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JULY 2, JUNE 28, AND JUNE 27, RESPECTIVELY.

TABLE 14. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE		AVERAGE						MATURITY DATE	
	DATE 1	DATE 2	LODGING		SHATTERING		PLANT HEIGHT		DATE 1	DATE 2
	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY										
COKER 485	54.8	-	1.0	-	1.5	-	28	-	10-7	-
DELTAPINE 105	54.1	-	1.3	-	1.3	-	32	-	10-4	-
PIONEER 9592	52.3	-	1.5	-	1.3	-	33	-	10-8	-
HUTCHESON	51.3	-	1.0	-	2.3	-	24	-	10-1	-
FORREST	51.0	-	1.0	-	1.3	-	28	-	9-30	-
DELTAPINE 415	49.1	-	1.0	-	1.0	-	27	-	9-27	-
HARTZ 5164	49.0	-	1.0	-	1.5	-	29	-	10-7	-
WALTERS	48.9	-	1.0	-	1.5	-	25	-	10-2	-
TOANO	48.8	-	1.0	-	1.8	-	23	-	10-5	-
HY PERFORMER HB89-16	48.5	-	1.8	-	1.8	-	36	-	10-2	-
HY PERFORMER HSC579	48.3	-	1.0	-	1.5	-	31	-	10-7	-
CAMP	28.7	-	1.0	-	3.3	-	14	-	9-28	-
EARLY										
FFR 695	57.0	-	1.0	-	1.0	-	33	-	10-16	-
PIONEER 9691	56.4	-	1.0	-	1.0	-	33	-	10-15	-
DELTAPINE DP3627	56.1	-	1.0	-	1.3	-	31	-	10-12	-
BRYAN	55.8	28.0	1.0	1.0	1.0	1.0	37	20	10-15	10-22
HARTZ 6372	54.8	37.1	1.0	1.0	1.0	1.0	33	22	10-15	10-26
HY PERFORMER HSC B2J	54.6	-	1.0	-	1.3	-	36	-	10-8	-
HARTZ 6686	54.4	36.2	1.0	1.0	1.0	1.0	30	23	10-15	10-28
BRIM	53.6	-	1.3	-	1.5	-	34	-	10-10	-
RIVERSIDE 677	53.2	-	1.3	-	1.0	-	37	-	10-15	-
HY PERFORMER HSC 623	53.2	-	1.3	-	1.3	-	33	-	10-11	-
AGRATECH 695	53.1	-	1.8	-	1.0	-	32	-	10-15	-
NORTHROP KING S69-54	53.0	-	1.0	-	1.0	-	31	-	10-15	-
HY PERFORMER SAMPSON	52.8	-	1.0	-	1.0	-	28	-	10-14	-
SHARKEY	52.7	40.3	1.8	1.0	2.3	1.0	36	28	10-15	10-22
NORTHROP KING S61-89	52.1	-	1.0	-	1.5	-	32	-	10-9	-
BUCKSHOT 603	52.1	-	1.3	-	1.3	-	34	-	10-15	-
LLOYD	51.9	-	1.5	-	1.0	-	41	-	10-14	-
DELTAPINE 726	51.9	34.4	1.5	1.0	1.0	1.0	36	22	10-15	10-26
RIVERSIDE 699	51.5	-	1.0	-	1.3	-	32	-	10-15	-
TRACY M	51.1	-	1.3	-	2.8	-	31	-	10-13	-
AU86-888	50.9	-	1.0	-	1.0	-	30	-	10-15	-
LEFLORE	49.6	24.6	1.0	1.0	1.0	1.0	33	19	10-15	10-22
DAVIS	49.5	46.5	1.8	1.0	2.0	1.0	35	25	10-15	10-31
TWIGGS	48.7	37.3	1.0	1.0	1.0	1.0	30	25	10-5	10-21
TERRA-VIG 6653	48.7	-	1.3	-	2.0	-	31	-	10-15	-
TERRA-VIG 616	47.9	-	2.0	-	1.0	-	35	-	10-16	-
YOUNG	47.4	40.2	1.5	1.0	2.3	1.0	38	23	10-10	10-30
PIONEER 9641	46.8	-	1.8	-	2.8	-	33	-	10-6	-
TERRA-VIG 626	45.3	-	2.3	-	1.5	-	35	-	10-15	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 14 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1991

BRAND-VARIETY	YIELD PER ACRE		AVERAGE							
			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>FULL SEASON</u>										
PIONEER 9791	60.3	-	1.5	-	1.3	-	33	-	10-16	-
N85-574	59.1	-	1.0	-	1.3	-	33	-	10-20	-
HARTZ H7190	58.5	-	1.0	-	1.0	-	28	-	10-21	-
HARTZ HX 7131	57.2	-	1.3	-	1.0	-	38	-	10-22	-
TERRA-VIG 727	56.8	23.7	1.0	1.0	1.3	1.0	32	17	10-16	10-23
PIONEER 9711	56.6	36.0	1.0	1.0	1.8	1.0	30	23	10-15	10-22
HY PERFORMER HSC-721	56.5	-	2.5	-	1.3	-	36	-	10-17	-
RIVERSIDE 757	56.1	39.6	2.3	1.0	1.0	1.0	38	23	10-20	10-30
COKER 6847	56.0	31.1	1.0	1.0	1.0	1.0	33	19	10-19	10-28
THOMAS	54.8	35.7	1.0	1.0	1.0	1.0	33	21	10-16	10-29
STONEWALL	53.7	24.7	1.0	1.0	1.3	1.0	27	21	10-15	10-29
AGRATECH 700	53.1	-	1.8	-	1.0	-	40	-	10-22	-
AU85-1814	52.9	-	1.5	-	1.0	-	36	-	10-21	-
COLQUITT	52.4	-	1.3	-	1.0	-	37	-	10-20	-
BRAXTON	52.2	33.3	1.0	1.0	1.0	1.0	36	21	10-21	10-29
BUCKSHOT 723	51.5	33.2	2.3	1.0	1.3	1.0	38	24	10-21	10-29
RANSOM	51.5	-	1.0	-	1.0	-	31	-	10-20	-
FFR 771	50.7	28.6	1.3	1.0	1.0	1.0	36	20	10-22	11-1
HAGOOD	50.0	-	2.0	-	1.0	-	39	-	10-21	-
GORDON	49.6	-	1.0	-	1.0	-	30	-	10-15	-
DIXIE AG RALLY	47.3	-	1.3	-	1.0	-	38	-	10-21	-
DELTAPINE 417	45.2	-	2.0	-	1.0	-	40	-	10-20	-
<u>FULL SEASON, LATE</u>										
SC 84-679	55.6	-	2.3	-	1.0	-	39	-	10-21	-
NORTHRUP KING S83-30	53.4	29.6	1.0	1.0	1.0	1.0	36	22	10-22	11-1
HARTZ HX8558	53.3	-	1.0	-	1.0	-	40	-	10-21	-
DELTAPINE DPX3818	52.1	-	2.0	-	1.0	-	41	-	10-20	-
JOHNSTON	51.4	30.6	1.5	1.0	1.0	1.0	33	20	10-19	11-1
HARTZ HX8448	51.3	32.4	1.0	1.0	1.0	1.0	36	22	10-20	10-30
KIRBY	51.1	-	1.0	-	1.0	-	36	-	10-23	-
PERRIN	50.4	38.3	1.5	1.0	1.0	1.0	44	25	10-24	11-1
COBB	46.7	44.9	2.3	1.0	1.0	1.0	43	27	10-28	11-5
DELTAPINE 878	44.7	31.9	2.5	1.0	1.0	1.0	42	24	10-26	11-3
COOK	-	23.2	-	1.0	-	1.0	-	20	-	10-31
CROCKETT	-	32.2	-	1.0	-	1.0	-	24	-	11-2
HY PERFORMER HB90-80	-	30.7	-	1.0	-	1.0	-	20	-	10-29
TEST MEANS	51.8	33.5	1.3	1.0	1.3	1.0	33	22		
L.S.D. (.05)	5.1	9.7								
C.V. (%)	7.1	20.4								

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

TABLE 15. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1991		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														
DELTAPINE 105	54.1	-	39.9	-	41.3	-	1.8	-	1.4	-	30	-	9-29	-
HARTZ 5164	49.0	-	38.3	-	40.9	-	1.4	-	1.4	-	30	-	10-1	-
COKER 485	54.8	-	41.7	-	40.0	-	1.1	-	1.3	-	27	-	9-30	-
FORREST	51.0	-	37.6	-	39.0	-	1.2	-	1.3	-	29	-	9-26	-
HUTCHESON	51.3	-	39.8	-	-	-	-	-	1.7	-	-	-	-	-
WALTERS	48.9	-	38.8	-	-	-	-	-	1.3	-	-	-	-	-
DELTAPINE 415	49.1	-	35.4	-	-	-	-	-	1.2	-	-	-	-	-
HY PERFORMER HSC579	48.3	-	35.3	-	-	-	-	-	1.4	-	-	-	-	-
PIONEER 9592	52.3	-	-	-	-	-	-	-	1.3	-	-	-	-	-
TOANO	48.8	-	-	-	-	-	-	-	1.5	-	-	-	-	-
HY PERFORMER HB89-16	48.5	-	-	-	-	-	-	-	1.5	-	-	-	-	-
CAMP	28.7	-	-	-	-	-	-	-	1.9	-	-	-	-	-
EARLY														
HARTZ 6686	54.4	36.2	37.1	28.4	40.6	-	1.0	-	1.2	0.7	31	-	10-11	-
HARTZ 6372	54.8	37.1	39.1	27.0	40.3	-	1.0	-	1.1	0.7	32	-	10-11	-
YOUNG	47.4	40.2	36.9	33.1	39.8	-	1.5	-	2.5	0.7	35	-	10-4	-
SHARKEY	52.7	40.3	38.3	29.6	39.7	32.7	1.8	1.0	1.8	1.1	36	27	10-10	10-23
LLOYD	51.9	-	39.0	-	38.3	-	1.3	-	1.2	-	38	-	10-10	-
DAVIS	49.5	46.5	35.6	36.3	38.1	37.4	1.4	1.1	2.4	0.7	35	25	10-7	10-29
HY PERFORMER SAMPSON	52.8	-	36.4	-	38.0	-	1.2	-	1.1	-	29	-	10-12	-
LEFLORE	49.6	24.6	37.5	17.7	38.0	22.1	1.0	1.0	1.3	0.7	33	19	10-10	10-22
TWIGGS	48.7	37.3	38.3	-	37.9	-	1.0	-	1.1	0.7	29	-	9-30	-
DELTAPINE 726	51.9	34.4	36.3	24.4	36.9	-	1.3	-	1.1	0.7	32	-	10-13	-
TRACY M	51.1	-	35.8	-	36.7	-	1.2	-	1.9	-	31	-	10-5	-
NORTHROP KING S69-54	53.0	-	39.8	-	36.1	-	1.0	-	1.0	-	29	-	10-11	-
TERRA-VIG 616	47.9	-	34.2	-	35.7	-	1.6	-	1.3	-	35	-	10-13	-
DELTAPINE DP3627	56.1	-	40.7	-	-	-	-	-	1.1	-	-	-	-	-
PIONEER 9691	56.4	-	40.2	-	-	-	-	-	1.3	-	-	-	-	-
BRYAN	55.8	28.0	39.5	-	-	-	-	-	1.3	1.1	-	-	-	-
BRIM	53.6	-	39.4	-	-	-	-	-	2.1	-	-	-	-	-
FFR 695	57.0	-	-	-	-	-	-	-	1.3	-	-	-	-	-
HY PERFORMER HSC B2J	54.6	-	-	-	-	-	-	-	1.2	-	-	-	-	-
RIVERSIDE 677	53.2	-	-	-	-	-	-	-	1.3	-	-	-	-	-
HY PERFORMER HSC 623	53.2	-	-	-	-	-	-	-	1.2	-	-	-	-	-
AGRATECH 695	53.1	-	-	-	-	-	-	-	1.0	-	-	-	-	-
NORTHROP KING S61-89	52.1	-	-	-	-	-	-	-	1.2	-	-	-	-	-
BUCKSHOT 603	52.1	-	-	-	-	-	-	-	1.3	-	-	-	-	-
RIVERSIDE 699	51.5	-	-	-	-	-	-	-	1.4	-	-	-	-	-
AU86-888	50.9	-	-	-	-	-	-	-	1.3	-	-	-	-	-
TERRA-VIG 6653	48.7	-	-	-	-	-	-	-	1.6	-	-	-	-	-
PIONEER 9641	46.8	-	-	-	-	-	-	-	1.8	-	-	-	-	-
TERRA-VIG 626	45.3	-	-	-	-	-	-	-	1.4	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 15 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1991		2-YR. AV.		3-YR. AV.		LOGGING		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														
RIVERSIDE 757	56.1	39.6	39.3	-	39.5	-	1.6	-	1.3	0.7	40	-	10-20	-
PIONEER 9791	60.3	-	39.8	-	38.1	-	1.2	-	1.3	-	32	-	10-14	-
THOMAS	54.8	35.7	37.7	25.0	38.0	-	1.0	-	1.3	0.7	34	-	10-17	-
COKER 6847	56.0	31.1	37.3	-	37.4	-	1.0	-	1.1	0.7	34	-	10-16	-
BRAXTON	52.2	33.3	38.2	24.7	37.3	27.1	1.0	1.0	1.2	0.7	35	19	10-17	10-27
STONEWALL	53.7	24.7	36.1	19.9	37.0	-	1.0	-	1.6	0.7	33	-	10-14	-
FFR 771	50.7	28.6	34.2	-	36.2	-	1.1	-	1.1	0.7	36	-	10-18	-
RANSOM	51.5	-	35.9	-	36.1	-	1.0	-	1.0	-	33	-	10-14	-
GORDON	49.6	-	33.1	-	33.4	-	1.0	-	1.6	-	32	-	10-12	-
DELTAPINE 417	45.2	-	29.5	-	29.4	-	1.5	-	1.3	-	42	-	10-16	-
HARTZ H7190	58.5	-	42.0	-	-	-	-	-	1.0	-	-	-	-	-
HY PERFORMER HSC-721	56.5	-	38.6	-	-	-	-	-	1.2	-	-	-	-	-
PIONEER 9711	56.6	36.0	37.6	-	-	-	-	-	1.3	0.7	-	-	-	-
COLQUITT	52.4	-	35.7	-	-	-	-	-	1.2	-	-	-	-	-
HAGOOD	50.0	-	34.6	-	-	-	-	-	1.0	-	-	-	-	-
N85-574	59.1	-	-	-	-	-	-	-	1.1	-	-	-	-	-
HARTZ HX 7131	57.2	-	-	-	-	-	-	-	1.0	-	-	-	-	-
TERRA-VIG 727	56.8	23.7	-	-	-	-	-	-	1.2	0.7	-	-	-	-
AGRATECH 700	53.1	-	-	-	-	-	-	-	1.1	-	-	-	-	-
AU85-1814	52.9	-	-	-	-	-	-	-	1.0	-	-	-	-	-
BUCKSHOT 723	51.5	33.2	-	-	-	-	-	-	1.4	0.7	-	-	-	-
DIXIE AG RALLY	47.3	-	-	-	-	-	-	-	1.3	-	-	-	-	-
LATE														
JOHNSTON	51.4	30.6	33.8	23.2	35.6	28.9	1.3	1.0	1.0	0.7	33	19	10-19	10-29
KIRBY	51.1	-	34.2	-	33.8	-	1.0	-	1.0	-	34	-	10-22	-
DELTAPINE 878	44.7	31.9	30.3	25.8	33.6	-	1.5	-	1.0	0.7	40	-	10-24	-
COBB	46.7	44.9	31.1	33.9	33.4	37.3	1.5	1.0	1.3	0.7	42	25	10-24	11-2
HARTZ HX8448	51.3	32.4	34.9	-	-	-	-	-	1.3	0.7	-	-	-	-
HARTZ HX8558	53.3	-	33.7	-	-	-	-	-	1.6	-	-	-	-	-
SC 84-679	55.6	-	-	-	-	-	-	-	1.0	-	-	-	-	-
NORTHROP KING S83-30	53.4	29.6	-	-	-	-	-	-	1.0	0.7	-	-	-	-
DELTAPINE DPX3818	52.1	-	-	-	-	-	-	-	1.0	-	-	-	-	-
PERRIN	50.4	38.3	-	-	-	-	-	-	1.0	0.7	-	-	-	-
TEST MEANS	51.8	34.1	36.9	26.8	37.3	30.9	1.2	1.0	1.3	0.7	34	22		
L.S.D. (.05)	5.1	9.7												
C.V. (%)	7.1	20.1												

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;

FULL SEASON, LATE = MATURITY GROUP VIII AND IX.

THE PLANTING DATE FOR FIRST PLANTING WAS JUNE 4, 1990, JUNE 5 FOR 2-YEAR (1990-91), AND JUNE 4 FOR 3-YEAR (1989-91) AVERAGES.

THE PLANTING DATE FOR SECOND PLANTING WAS JULY 17, 1991, JULY 21 FOR 2-YEAR (1990-91), AND JULY 19 FOR 3-YEAR (1988 & 1990-91) AVERAGES.

TABLE 16. PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS, 1991

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN	CENTRAL	SOUTHERN
	(BELLE MINA)	(PRATTVILLE)	(MONROEVILLE)
	BU.	BU.	BU.
<u>GROUP IV</u>			
DELSOY 4710	23.4	-	-
DELSOY 4900	24.9	-	-
EAGLE LB 90-39	24.9	-	-
EAGLE LB 90-9	34.1	-	-
NORTHRUP KING RA 452	30.1	-	-
PERSHING	27.0	-	-
<u>GROUP V</u>			
AGRATECH X2520	35.0	21.1	-
AGRATECH X2555	29.7	16.3	-
BAY	-	-	24.6
CAMP	-	-	6.3
DYNA-GRO 3501	27.6	-	-
DYNA-GRO 3508	28.8	-	-
FFR 561	-	-	17.9
FFR 595	-	17.7	30.3
FORREST	25.4	22.3	28.0
HARTZ H5088	-	26.5	-
HARTZ H5258	-	-	20.9
HARTZ H5566	-	22.4	-
HUTCHISON	35.8	29.5	33.0
HY PERFORMER HB90-501	22.7	23.1	-
HY PERFORMER HB91-561	30.0	21.3	-
HY PERFORMER HB91-563	26.0	20.5	-
NAROW	-	-	17.7
NORTHRUP KING S59-60	31.6	27.1	-
PIONEER 9521	22.6	14.2	-
PIONEER 9551	26.0	23.1	-
PIONEER 9582	25.9	-	-
PIONEER 9593	28.2	20.7	-
STONEVILLE ST 551	30.7	-	-
STONEVILLE ST 571	32.6	-	-
TERRA-VIG TVX 5652	31.4	-	-
TERRA-VIG TVX 5653	25.3	-	-
TERRA-VIG TVX 6897	23.9	25.8	-
TN 5-85	-	-	21.8
UNDERWOOD 509A	27.4	14.2	-
<u>GROUP VI</u>			
AGRATECH X2665	29.8	18.7	-
DIXIE AG UAP 29	-	18.3	-
DIXIE AG UAP 40	-	19.1	-
DIXIE AG UAP 41	-	17.7	-
LA 78-465	27.9	20.0	41.2
LA 88-40	27.8	23.0	42.2
LA 88-55	35.3	20.7	-
LAMAR	-	17.2	-
LEFLORE	30.4	18.5	35.6
N85-492	31.5	33.3	-
SHARKEY	26.6	19.6	41.3
TERRA-VIG TVX 6670	21.4	23.8	-
TN6-90	32.8	20.1	-
UNDERWOOD X614	33.0	20.7	-
UNDERWOOD X615	31.5	14.1	-
UNDERWOOD 605	31.2	-	-
UNDERWOOD 607	26.0	-	-
UNDERWOOD 609	32.1	-	-
UNDERWOOD 611	29.9	-	-

CONTINUED ON NEXT PAGE

TABLE 16 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS, 1991

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN	CENTRAL	SOUTHERN
	(BELLE MINA)	(PRATTVILLE)	(MONROEVILLE)
	BU.	BU.	BU.
GROUP VII			
AGRATECH X1705	-	26.8	48.2
AGRATECH X1740	-	18.3	44.8
BRAXTON	40.1	20.8	46.8
COLQUITT	-	-	47.5
DELTAPINE DPX3720	-	19.3	43.0
DELTAPINE DPX3733	-	17.4	41.8
DELTAPINE DPX3776	-	20.2	47.8
DIXIE AG UAP80	-	21.6	46.0
DIXIE AG UAP81	-	20.0	36.6
FFR 37418	37.1	23.2	35.0
FFR 771	37.1	-	-
HAGOOD	38.7	-	-
HARTZ HX 7131	-	21.8	43.9
HY PERFORMER HB90-741	-	20.8	45.8
HY PERFORMER HSC 721	33.5	-	-
N85-574	-	-	31.9
PIONEER 9761	-	17.7	37.5
STONEWALL	31.6	23.3	34.4
TERRA-VIG 727	35.2	-	-
THOMAS	28.6	-	-
UNDERWOOD X713A	-	15.0	40.3
UNDERWOOD 701P	-	16.7	-
UNDERWOOD 701W	-	21.7	-
UNDERWOOD 703	-	15.7	-
GROUP VIII			
AGRATECH X1805	-	18.0	39.7
COBB	-	19.5	50.2
DELTAPINE DPX3818	-	17.2	43.2
HY PERFORMER HB90-801	-	15.0	42.2
KIRBY	-	15.1	36.9
NORTHROP KING S83-30	-	-	47.4
RIVERSIDE SB90-179	-	-	40.5
RIVERSIDE SB90-205	-	-	44.0
RIVERSIDE SB90-206	-	-	40.7
RIVERSIDE SB90-207	-	-	52.3
RIVERSIDE SB90-38	-	-	41.4
RIVERSIDE SB90-52	-	-	42.9
RIVERSIDE SB90-85	-	-	37.5
RIVERSIDE SB90-87	-	-	44.1
TEST MEANS	29.8	20.3	38.0
L.S.D. (0.05)	6.9	7.2	6.8
C.V. (%)	16.7	25.5	12.7

CHECK VARIETIES: GROUP V FORREST AND HUTCHESON
GROUP VI LEFLORE AND SHARKEY
GROUP VII BRAXTON AND STONEWALL
GROUP VIII KIRBY

TABLE 17. PERFORMANCE OF SOYBEAN VARIETIES WHEN GROWN WITH DIFFERENT ROW SPACING IN NORTHERN ALABAMA AT BELLE MINA IN 1991.

BRAND-VARIETY	YIELD	LODGING SCORE	SHATTERING SCORE	PLANT	MATURITY	SEED
	PER ACRE BU.			HEIGHT IN.	DATE	PER LB. NO.
<u>9" ROW SPACING</u>						
<u>EARLY</u>						
HUTCHESON	46.8	1.0	0.0	27	10-16	2711.3
PIONEER 9591	41.2	1.0	0.0	28	10-18	2768.7
TERRA-VIG 515	39.5	2.0	0.0	29	10-17	2883.1
DELTAPINE 415	38.0	2.0	0.0	30	10-13	2787.1
TOANO	37.9	1.3	0.0	27	10-14	2461.9
CAMP	28.1	1.0	5.0	21	10-14	4747.3
<u>FULL SEASON</u>						
BRYAN	42.0	2.3	0.0	38	10-19	3315.0
BRIM	40.4	2.0	0.0	32	10-18	3169.1
HARTZ 6686	38.7	1.3	0.0	32	10-21	2630.8
PIONEER 9691	35.6	3.3	0.0	33	10-20	3289.7
YOUNG	33.4	3.3	0.0	36	10-14	2888.6
SHARKEY	31.3	3.7	0.0	36	10-18	2950.2
<u>LATE</u>						
PIONEER 9791	50.0	2.7	0.0	32	10-22	3064.9
TERRA-VIG 727	45.3	1.7	0.0	31	10-21	3075.3
COKER 6847	43.6	1.7	0.0	33	10-22	3260.2
THOMAS	43.1	2.0	0.0	32	10-23	2906.8
FFR 771	42.5	2.0	0.0	36	10-23	3133.7
STONEWALL	38.5	1.7	0.0	33	10-21	3021.3
<u>18" ROW SPACING</u>						
<u>EARLY</u>						
HUTCHESON	43.3	1.0	0.0	26	10-14	2651.3
PIONEER 9591	40.8	1.0	0.0	27	10-17	2720.2
TOANO	38.5	1.0	0.0	28	10-15	2383.2
TERRA-VIG 515	38.1	2.0	0.0	30	10-18	2878.5
DELTAPINE 415	37.4	2.0	0.0	31	10-11	2627.8
CAMP	36.1	1.0	5.0	20	10-14	4612.9
<u>FULL SEASON</u>						
HARTZ 6686	42.2	1.7	0.0	32	10-18	2660.4
BRIM	39.7	1.7	0.0	35	10-17	2970.2
BRYAN	38.7	2.3	0.0	36	10-19	3352.5
PIONEER 9691	37.2	3.3	0.0	37	10-19	3487.0
SHARKEY	33.0	3.3	0.0	39	10-18	3039.9
YOUNG	32.6	3.3	0.0	36	10-13	2736.7
<u>LATE</u>						
THOMAS	44.8	1.7	0.0	33	10-22	3130.1
COKER 6847	44.7	2.0	0.0	36	10-22	3463.5
PIONEER 9791	42.1	1.7	0.0	32	10-22	3134.4
FFR 771	41.5	2.7	0.0	37	10-23	3200.0
TERRA-VIG 727	41.4	1.0	0.0	32	10-18	3201.9
STONEWALL	39.2	2.0	0.0	34	10-19	3121.1

CONTINUED ON THE FOLLOWING PAGE

TABLE 17(CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES WHEN GROWN WITH DIFFERENT ROW SPACING IN NORTHERN ALABAMA AT BELLE MINA IN 1991.

BRAND-VARIETY	YIELD	LOGGING	SHATTERING	PLANT	MATURITY	SEED
	PER ACRE	SCORE	SCORE	HEIGHT	DATE	PER LB.
	BU.			IN.		NO.
<u>27" ROW SPACING</u>						
<u>EARLY</u>						
HUTCHESON	37.5	1.0	0.0	27	10-16	2611.9
TERRA-VIG 515	37.0	2.3	0.0	31	10-16	2802.0
TOANO	36.9	1.7	0.0	29	10-15	2475.8
PIONEER 9591	36.8	1.0	0.0	25	10-19	2560.8
DELTAPINE 415	36.0	1.7	0.0	32	10-11	2767.3
CAMP	32.2	1.0	5.0	21	10-14	4614.4
<u>FULL SEASON</u>						
HARTZ 6686	39.9	2.0	0.0	34	10-18	2638.5
BRIM	34.8	1.3	0.0	32	10-17	3026.7
BRYAN	32.6	2.7	0.0	39	10-20	3362.9
SHARKEY	32.4	3.3	0.0	39	10-18	2958.3
YOUNG	31.9	2.3	0.0	33	10-14	2835.9
PIONEER 9691	30.9	3.3	0.0	37	10-19	3462.6
<u>LATE</u>						
PIONEER 9791	43.7	2.7	0.0	34	10-22	3149.3
THOMAS	40.0	2.7	0.0	34	10-23	2905.5
COKER 6847	39.6	2.3	0.0	35	10-21	3366.2
TERRA-VIG 727	39.6	1.7	0.0	33	10-21	3172.8
FFR 771	39.5	2.7	0.0	39	10-22	3039.9
STONEWALL	35.9	2.0	0.0	33	10-20	3043.6
<u>36" ROW SPACING</u>						
<u>EARLY</u>						
PIONEER 9591	38.1	1.7	0.0	28	10-18	2509.5
HUTCHESON	37.0	1.0	0.0	27	10-15	2559.1
TOANO	36.1	2.0	0.0	31	10-15	2227.5
DELTAPINE 415	34.3	2.0	0.0	34	10-11	2641.6
CAMP	34.2	1.0	5.0	21	10-14	4556.5
TERRA-VIG 515	31.1	2.3	0.0	32	10-16	2915.5
<u>FULL SEASON</u>						
HARTZ 6686	37.8	2.0	0.0	33	10-18	2681.4
BRIM	35.9	1.7	0.0	36	10-17	2960.8
YOUNG	35.1	3.7	0.0	38	10-14	2784.2
BRYAN	32.4	3.3	0.0	41	10-19	3313.0
PIONEER 9691	32.1	4.0	0.0	39	10-18	3405.0
SHARKEY	31.0	4.0	0.0	40	10-18	3005.6
<u>LATE</u>						
PIONEER 9791	40.2	3.0	0.0	36	10-22	3123.6
TERRA-VIG 727	39.2	2.3	0.0	36	10-20	3085.7
COKER 6847	36.9	3.0	0.0	36	10-22	3427.7
THOMAS	36.7	2.3	0.0	34	10-22	3033.4
FFR 771	35.7	2.7	0.0	41	10-23	3030.7
STONEWALL	34.5	2.7	0.0	37	10-20	2993.4
TEST MEANS	37.8	2.1	0.3	33		3048.4
L.S.D. (.05)	6.3					
C.V. (%)	11.9					

EARLY = MATURITY GROUP V; FULL SEASON = MATURITY GROUP VI;
LATE = MATURITY GROUP VII;

TABLE 18. PERFORMANCE OF SOYBEAN VARIETIES WHEN GROWN WITH DIFFERENT ROW SPACING IN CENTRAL ALABAMA AT SHORTER IN 1991.

BRAND-VARIETY	YIELD	LODGING	SHATTERING	PLANT	MATURITY	SEED
	PER ACRE			HEIGHT	DATE	PER LB.
	BU.	SCORE	SCORE	IN.		NO.
<u>9" ROW SPACING</u>						
<u>EARLY</u>						
DELTAPINE 726	40.7	1.1	-	28	10-15	4178.7
DAVIS	33.9	1.3	-	25	10-13	3499.1
YOUNG	33.1	1.0	-	25	10-13	3688.3
BRYAN	29.7	1.1	-	26	10-14	3782.1
HARTZ 6686	25.8	1.0	-	22	10-15	2929.0
SHARKEY	25.3	1.5	-	28	10-19	3719.0
<u>FULL SEASON</u>						
DELTAPINE 417	42.0	1.0	-	31	10-22	2826.8
THOMAS	36.2	1.0	-	25	10-20	2921.7
PIONEER 9791	33.9	1.0	-	23	10-16	3224.3
STONEWALL	32.9	1.0	-	23	10-15	3206.4
HARTZ H7190	30.3	1.0	-	23	10-22	4015.3
COKER 6847	28.8	1.0	-	23	10-20	3621.6
<u>LATE</u>						
COBB	39.6	1.3	-	32	10-28	3142.7
KIRBY	34.0	1.0	-	27	10-25	3519.5
CROCKETT	33.8	2.2	-	29	10-27	4263.8
JOHNSTON	33.2	1.0	-	25	10-20	3004.0
DELTAPINE 878	31.7	1.1	-	29	10-24	3660.5
HARTZ HX8448	25.1	1.0	-	24	10-22	3927.3
<u>18" ROW SPACING</u>						
<u>EARLY</u>						
DELTAPINE 726	38.5	1.1	-	28	10-15	4129.9
DAVIS	33.2	1.4	-	27	10-10	3597.1
YOUNG	33.0	1.3	-	27	10-12	3753.4
HARTZ 6686	30.6	1.1	-	25	10-16	3016.6
BRYAN	25.7	1.0	-	22	10-16	3790.0
SHARKEY	24.3	1.5	-	27	10-19	3715.0
<u>FULL SEASON</u>						
DELTAPINE 417	37.9	1.3	-	31	10-23	2881.2
PIONEER 9791	37.6	1.0	-	23	10-16	3216.6
HARTZ H7190	33.2	1.0	-	25	10-18	4273.9
COKER 6847	31.8	1.0	-	24	10-19	3453.4
THOMAS	30.1	1.0	-	22	10-19	2928.7
STONEWALL	27.8	1.0	-	23	10-18	3056.3
<u>LATE</u>						
COBB	37.5	1.8	-	32	10-25	3173.1
CROCKETT	35.7	2.5	-	30	10-26	3990.0
JOHNSTON	33.6	1.1	-	24	10-19	3190.6
DELTAPINE 878	31.6	1.3	-	29	10-24	3621.1
KIRBY	28.0	1.0	-	26	10-24	3508.1
HARTZ HX8448	26.2	1.1	-	24	10-21	3871.4

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TABLE 18(CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES WHEN GROWN WITH DIFFERENT ROW SPACING IN CENTRAL ALABAMA AT SHORTER IN 1991.

BRAND-VARIETY	YIELD	LOGGING	SHATTERING	PLANT	MATURITY	SEED
	PER ACRE	SCORE	SCORE	HEIGHT	DATE	PER LB.
	BU.			IN.		NO.
<u>27" ROW SPACING</u>						
<u>EARLY</u>						
DAVIS	33.4	1.1	-	26	10-11	3504.5
BRYAN	33.0	1.0	-	25	10-12	3690.3
YOUNG	32.7	1.0	-	26	10-9	3570.7
DELTAPINE 726	32.5	1.3	-	26	10-15	4011.2
HARTZ 6686	29.5	1.0	-	25	10-15	3017.6
SHARKEY	24.0	3.1	-	32	10-20	3752.9
<u>FULL SEASON</u>						
DELTAPINE 417	36.8	1.5	-	32	10-23	2866.0
PIONEER 9791	34.6	1.0	-	23	10-16	3222.4
COKER 6847	32.4	1.1	-	25	10-20	3420.4
STONEWALL	32.2	1.0	-	23	10-15	3010.3
THOMAS	31.1	1.0	-	24	10-19	2937.8
HARTZ H7190	29.2	1.0	-	24	10-21	4064.5
<u>LATE</u>						
JOHNSTON	36.9	1.0	-	25	10-20	3063.8
COBB	35.6	1.6	-	32	10-27	3133.7
CROCKETT	33.1	3.1	-	28	10-26	3919.4
KIRBY	32.5	1.1	-	26	10-24	3445.1
DELTAPINE 878	29.8	1.1	-	28	10-25	3513.1
HARTZ HX8448	25.5	1.0	-	23	10-21	3711.4
<u>36" ROW SPACING</u>						
<u>EARLY</u>						
DELTAPINE 726	33.3	1.5	-	27	10-14	4045.8
DAVIS	30.4	1.5	-	26	10-10	3567.9
HARTZ 6686	29.6	1.1	-	26	10-13	3061.1
BRYAN	25.4	1.0	-	24	10-11	3724.1
YOUNG	24.2	1.3	-	24	10-9	3808.0
SHARKEY	23.3	3.4	-	31	10-17	3840.8
<u>FULL SEASON</u>						
DELTAPINE 417	37.8	2.1	-	35	10-22	2994.4
STONEWALL	32.0	1.1	-	24	10-15	3091.7
PIONEER 9791	30.8	1.0	-	23	10-13	3175.0
THOMAS	30.7	1.1	-	25	10-20	2853.1
HARTZ H7190	28.0	1.0	-	24	10-21	4014.2
COKER 6847	27.1	1.1	-	25	10-22	3520.8
<u>LATE</u>						
JOHNSTON	37.4	1.5	-	26	10-20	3162.8
COBB	33.1	2.2	-	35	10-28	3178.7
KIRBY	33.1	1.8	-	29	10-24	3456.4
CROCKETT	32.8	3.1	-	30	10-27	4116.2
DELTAPINE 878	28.7	1.6	-	30	10-25	3573.5
HARTZ HX8448	25.7	1.3	-	25	10-21	3778.4
TEST MEANS	31.7	1.3	-	26		3487.7
L.S.D. (.05)	6.3					
C.V. (%)	14.2					

EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII;
LATE = MATURITY GROUP VIII;

TABLE 19. Iron Chlorosis Ratings, Yield, and Plant Height of Soybean Varieties Grown on Sumter Soil at Black Belt Substation, 1988-89 and 1991

Brand - variety	Soybean yield/acre			Iron chlorosis rating ^{1/}			Plant Height		
	1991	2-yr. average ^{2/}	3-yr. average ^{2/}	September 1991	August 1989	September 1988	1991	1989	1988
	Bu.	Bu.	Bu.	Rating	Rating	Rating	In.	In.	In.
VERY EARLY									
Deltapine 105	30.1	27.2	20.1	1.6	2.0	4.6	21	23	18
Narrow	29.4	23.2	19.8	1.0	1.4	3.1	17	14	17
Deltapine 415	17.2	21.0	15.3	2.6	2.9	7.6	16	20	13
Forrest	27.4	19.5	14.1	2.4	2.1	7.8	20	19	16
Hartz 5164	15.0	16.8	13.2	5.2	2.4	6.1	17	22	15
Toano	19.5	14.8	11.3	1.9	2.9	6.7	16	14	16
Hutcheson	9.6	12.3	10.6	4.8	3.3	6.3	13	13	15
Bay	19.6	13.8	10.3	2.0	3.1	7.8	17	14	16
Walters	30.7	-	-	1.6	-	-	17	-	-
Hy Performer HSC 591	27.8	-	-	2.6	-	-	24	-	-
Stone	27.5	-	-	1.7	-	-	21	-	-
AgraTech 550	25.9	-	-	2.0	-	-	20	-	-
AgraTech 575	24.3	-	-	2.7	-	-	16	-	-
FFR 595	21.0	-	-	3.4	-	-	21	-	-
Hartz H5258	12.3	-	-	5.1	-	-	14	-	-
EARLY									
Sharkey	27.2	18.6	14.9	3.8	5.5	7.8	28	29	19
Deltapine 726	25.5	18.7	14.2	4.1	3.4	7.0	19	21	19
Hy Performer Sampson	23.5	15.4	13.1	2.4	4.1	4.9	16	19	18
Bryan	8.3	6.1	4.8	6.4	7.8	10.0	19	15	12
Hy Performer B2J	33.5	-	-	2.8	-	-	21	-	-
Deltapine DP3627	33.1	-	-	2.0	-	-	24	-	-
Northrup King S69-54	31.2	-	-	1.5	-	-	20	-	-
Hartz 6686	29.2	-	-	1.9	-	-	21	-	-
AgraTech 695	28.1	-	-	1.8	-	-	22	-	-
FFR 646	26.0	-	-	1.7	-	-	20	-	-
Hy Performer 682	22.8	-	-	2.8	-	-	17	-	-
FFR 695	20.9	-	-	2.3	-	-	20	-	-

(continued on next page)

TABLE 19 (continued). Iron Chlorosis Ratings, Yield, and Plant Height of Soybean Varieties Grown on Sumter Soil at Black Belt Substation, 1988-89 and 1991

Brand - variety	Soybean yield/acre			Iron chlorosis rating ^{1/}			Plant Height		
	1991	2-yr. average ^{2/}	3-yr. average ^{2/}	September 1991	August 1989	September 1988	1991	1989	1988
	Bu.	Bu.	Bu.	Rating	Rating	Rating	In.	In.	In.
FULL SEASON									
Thomas	36.9	28.5	25.3	1.0	1.1	3.6	21	27	23
Stonewall	35.1	29.0	25.2	1.8	1.9	4.6	22	21	19
Braxton	28.8	18.9	16.3	1.3	1.8	4.3	23	24	20
Ransom	25.4	17.5	15.4	1.4	2.4	6.5	19	23	19
Deltapine 417	24.4	17.2	13.9	2.4	4.0	6.0	23	28	19
Terra-Vig 727	30.9	24.6	-	1.8	1.6	-	19	20	-
Colquitt	32.8	22.9	-	1.1	1.6	-	23	23	-
Buckhot 723	25.2	20.5	-	4.1	5.3	-	22	24	-
Haygood	36.8	-	-	1.9	-	-	27	-	-
Hartz 7190	25.9	-	-	1.7	-	-	19	-	-
Gordon	8.0	-	-	6.8	-	-	16	-	-
FFR 771	3.0	-	-	7.1	-	-	22	-	-
LATE									
Johnston	29.8	17.8	14.4	1.4	3.9	7.6	22	21	23
Cobb	24.3	14.4	13.4	1.7	3.4	3.6	22	30	25
SC 84-679	33.3	-	-	2.3	-	-	23	-	-
Hartz HX 8448	29.9	-	-	2.4	-	-	20	-	-
Deltapine 878	25.7	-	-	1.9	-	-	21	-	-
Perrin	24.7	-	-	1.9	-	-	26	-	-
Kirby	22.4	-	-	5.1	-	-	22	-	-

^{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.

^{2/}2-yr. and 3-yr. averages are 1989 and 1991 and 1988-89 and 1991, respectively.

RECOMMENDED SOYBEAN VARIETIES FOR 1992

This is a list of recommended varieties was prepared by the authors of this report, D. B. Weaver, Associate 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> (Late Plantings)
Coker 485	Bryan	*Braxton
*Deltapine 105	Centennial	Pioneer 9791
Deltapine 415	Hartz H 6686	Stonewall
*FFR 561	Hy Performer HSC B2J	
*FFR 565	*Leflore	
Forrest	*Northrup King S69-54	
Hartz H 5164	Pioneer 9641	
Hutcheson	Pioneer 9691	
*Pioneer 9591	Riverside Cajun	
Riverside 577	Sharkey	
Terra-Vig 515	Tracey M	
	Twiggs	

Central Alabama

<u>Very early</u>	<u>Early</u>	<u>Full season</u>	<u>Late</u>
Bay	**Brim	*Braxton	Cobb
Coker 485	*Davis	*FFR 771	Johnston
Deltapine 105	*Leflore	Gordon	
Deltapine 415	Northrup King S69-54	Stonewall	
FFR 561	*Pioneer 9691	Wright	
Forrest	Tracey M		
Hutcheson	Twiggs		
*Terra-Vig 515	Young		

(Continued on following page)

Black Belt (acid soil)

<u>Very early</u>	<u>Early</u>	<u>Full season</u>	<u>Late</u>
Coker 485	Centennial	*Braxton	Cobb
Deltapine 105	Davis	Coker 6847	Johnston
Deltapine 415	Deltapine 726	Colquitt	
Hartz 5164	Hartz 6372	**Hagood	
Narrow	**Hartz 6686	**Hy Performer	
**Riverside 577	*Leflore	HSC 721	
Terra-Vig 515	Pioneer 9641	Pioneer 9791	
	Riverside Cajun	Ransom	
	*Sharkey	Riverside 757	
	*Tracey M	Stonewall	
	Young		

Southern Alabama

<u>Very early</u> (early May planting)	<u>Early</u>	<u>Full season</u>	<u>Late</u>
Coker 485	Davis	Braxton	Cobb
Deltapine 105	Hartz 6686	Coker 6847	Johnston
Deltapine 415	Northrup King	FFR 771	
Hartz H 5164	S69-54	Pioneer 9791	
Pioneer 9591	**Pioneer 9641	Riverside 757	
Riverside 577	*Sharkey	Stonewall	
Terra-Vig 515	Terra-Vig 616		
	**Young		

Baldwin-Mobile

<u>Very early</u>	<u>Early</u>	<u>Full season</u>	<u>Full season, late</u>
Coker 485	**Brim	Braxton	Johnston
Deltapine 105	**Bryan	Coker 6847	
Forrest	**Deltapine DP 3627	**Hartz H 7190	
Hartz H 5164	Hartz H 6372	Pioneer 9791	
	Hartz H 6686	Riverside 757	
	*Leflore	Stonewall	
	Lloyd	Thomas	
	Northrup King		
	S69-54		
	**Pioneer 9691		
	Sharkey		
	*Twiggs		
	Young		

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

**Recommended based on an exceptional 2-year average.

***Recommendations based on past late April planting, no test in 1991.

