



Performance of Soybean Varieties in Alabama 1990

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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, 1990

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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 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.

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.

SEASONAL CONDITIONS

Rainfall (table 3) in April and May 1990 was such that all standard tests were planted for optimum growth. The late planting tests at Crossville and Fairhope were delayed approximately 3 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 north, central, and southern Alabama locations, respectively. The rainfall in 1990 was above normal in May at all locations and was generally adequate for vegetative growth through July. However, the central area of Alabama (Prattville, Camden, and Marion Junction) had less than 2 inches in June and less than normal in July. This set up a situation of severe drought for pod development and fill when rainfall was well below normal for August, September and October. Rainfall at Monroeville and Headland was similar to that in central Alabama; there was adequate but not excessive rainfall early in the season but little rainfall for pod fill, 1.9 inches in August-September at Headland. Brewton and Fairhope had good rainfall in August, resulting in fair soybean yields for the Group V & VI maturity varieties, but lower yields for the full season and later maturing entries.

Rainfall in north Alabama had some extended periods of short rainfall but in general yields were much better than in other areas of the State.

The test at Headland was not harvested due to the extremely dry conditions in late July, August, and September.

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 1990 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	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.

Table 1. Entries and Sources for 1990

AgraTech Seed Inc. McCordsville, Indiana	AgraTech brand varieties
Alabama Farmer's Cooperative Decatur, Alabama	FFR brand varieties
Bragg Farms Toney, Alabama	Braxton Davis Essex Forrest Hutcheson Ransom Stonewall
Delhi Seed Co., Inc. Delhi, Louisiana	Buckshot brand varieties
Delta and Pine Land Company Scott, Mississippi	Deltapine brand varieties
Department of Agronomy & Soils Auburn University, Alabama	Au85-1797 Cobb Foster
Dixie Ag. Athens, Alabama	Rally UAP
Eagle Seed Company Weiner, Arkansas	Cajun Riverside brand varieties
Elysian Seed, Inc. Gallion, Alabama	Tracy M
Escambia Farm and Seed Co. Atmore, Alabama	Centennial Gordon Kirby Leflore Thomas Wright
Georgia Seed Development Commission Athens, Georgia	Bryan Colquitt Delsoy 4900 GaSoy 17 G83-198 G83-266 Johnston Rhodes Twiggs

(Continued on following page)

Table 1 (continued). Entries and Sources for 1990

H.J. Underwood Co., Inc. Clinton, North Carolina	E.H.J.U. brand varieties
Hy Performer Seed Company Memphis, Tennessee	Hy Performer brand varieties HB & HSC Sampson Shiloh Wilstar 550
Jacob Hartz Seed Company, Inc. Stuttgart, Arkansas	Hartz brand varieties
Louisiana State University Baton Rouge, Louisiana	LA 79-11123
Mississippi State University Mississippi State, Mississippi	Lamar Sharkey
Northrup King Co. Highland, Illinois	Coker brand varieties RA brand varieties S 61-89 S 64-23 S 69-54 S 83-30
North Carolina State University Raleigh, North Carolina	Brim Young
Pioneer Hi-Bred International, Inc. Tipton, Indiana	Pioneer brand varieties
South Carolina Crop Impr. Assoc. Clemson, South Carolina	SC 84-818
Southern Illinois University Carbondale, Illinois	Egyptian
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	Lloyd Narrow Walters
University of Florida Gainesville, Florida	F83-1648 F83-1918
University of Maryland College Park, Maryland	Morgan

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Table 1 (continued). Entries and Sources for 1990

University of Missouri Columbia, Missouri	Pershing
University of Tennessee Knoxville, Tennessee	TN 4-86 TN 5-85
Virginia Crop Improv. Assoc. Holley, Virginia	Toano
White Seed Cleaners Dutton, Alabama	Bay Bedford

Table 2. Cultural Practices for Soybean Variety Tests in 1990

Location	Type test	Date planted	Row width	Herbicide used	Fertilizer applied
Belle Mina	Standard	May 8	36	Treflan	None recommended by soil test
	Preliminary	May 14	36	Treflan	None recommended by soil test
Crossville	Standard	May 18	30	Soepter, Dual	None recommended by soil test
	Late	June 28	30	Soepter, Dual	200 lb. 13-13-13/acre
Camden	Standard	May 30	36	Treflan, Dual	100 lb. 0-0-60/acre
Prattville	Standard	May 17	30	Vernam, Treflan	100 lb. 0-0-60/acre
	Preliminary	May 16	30	Vernam, Treflan	None recommended by soil test
	Late	May 18	30	Vernam, Treflan	100 lb. 0-0-60/acre
Headland	Standard*				
Monroeville	Preliminary	May 18	36	Treflan, Vernam	300 lb. 0-20-20/acre
Brewton	Very Early	April 25	36	Treflan, Vernam	500 lb. 0-20-20/acre
	Standard	May 25	36	Treflan, Vernam	None recommended by soil test
	Late	June 26	24	Dual, Lorox	400 lb. 0-20-20/acre
Marion Junction	Standard (Sumter)	May 28	36	Squadron	200 lb. 0-25-25/acre
	Standard (Vaiden)	May 30	36	Squadron	200 lb. 0-25-25/acre
	Late	June 19	36	Squadron	200 lb. 0-25-25/acre
Fairhope	Standard	June 7	30	Dual, Lorox,	300 lb. 0-14-14+ 10 lb. S
	Late	July 25	30	Dual 2,4 D-B	300 lb. 0-14-14+ 10 lb. S

* Test not harvested due to extreme drought during pod development and fill.

Table 3. Rainfall at Test Locations During Growing Season, 1990

Month	Days	Belle Mina	Crossville	Prattville	Marion Junction	Camden
		In.	In.	In.	In.	In.
May	1-5	1.58	0.59	0	0.02	0
	6-10	1.02	1.00	1.25	1.05	0.69
	11-15	0.26	0.58	1.01	1.84	2.15
	16-20	1.02	0.54	0.59	0.25	0.06
	21-25	1.15	1.39	1.94	1.75	3.36
	26-31	<u>T</u>	<u>0</u>	<u>0.03</u>	<u>0.11</u>	<u>0.10</u>
		5.03	4.10	4.82	5.02	6.36
June	1-5	2.25	0.75	0.17	0.18	0.93
	6-10	0	0	0.03	0.02	0
	11-15	0.20	1.49	0	0	0
	16-20	1.32	1.02	0.78	0.40	0.27
	21-25	0.12	0.21	0.63	0.97	0.30
	26-30	<u>0</u>	<u>0</u>	<u>0.03</u>	<u>0</u>	<u>0</u>
		3.89	3.47	1.64	1.57	1.50
July	1-5	0	0	0.77	1.04	0.07
	6-10	0.12	0.13	1.47	0	0.39
	11-15	1.95	1.62	2.48	1.66	2.33
	16-20	0.05	0.11	1.15	0.15	0.19
	21-25	1.71	0.15	0.27	0.39	0.93
	26-31	<u>T</u>	<u>0</u>	<u>0</u>	<u>0.30</u>	<u>0</u>
		3.83	2.01	6.14	3.54	3.91
August	1-5	0.30	0.76	0.56	0.08	0.46
	6-10	0	0	0	0	0.05
	11-15	T	0	0.03	0.02	0
	16-20	0	0.39	0.48	0	0.02
	21-25	0.55	0.02	0.11	0.70	0.29
	26-31	<u>0.37</u>	<u>0.80</u>	<u>0.12</u>	<u>0</u>	<u>0.16</u>
		1.22	1.97	1.30	0.80	0.98
September	1-5	0	0	0	0	2.20
	6-10	0	0.17	0	0	0
	11-15	1.39	3.38	0.34	0.69	0.16
	16-20	0.02	0.01	0	0	0
	21-25	0.05	0	0	0	0.35
	26-30	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.02</u>	<u>0.01</u>
		1.46	3.56	0.34	0.71	2.72
October	1-5	1.02	0.35	0.38	0.47	0.29
	6-10	0.21	0.03	0	0	0.03
	11-15	0.15	0.50	0.20	0.10	0
	16-20	0.37	1.10	0.62	0.70	0.72
	21-25	1.02	1.45	0.40	0.94	0.45
	26-31	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
		2.77	3.43	1.70	2.21	1.49

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Table 3. (continued). Rainfall at Test Locations During Growing Season, 1990

Month	Days	Brewton	Monroeville	Headland	Fairhope
		<u>In.</u>	<u>In.</u>	<u>In.</u>	<u>In.</u>
May	1-5	0.15	0	0.13	T
	6-10	2.30	1.13	1.86	0.33
	11-15	4.84	2.16	1.12	1.32
	16-20	0.12	0.22	0.08	0
	21-25	1.38	0.95	0.26	0.10
	26-31	<u>0.04</u>	<u>1.69</u>	<u>0.02</u>	<u>0.72</u>
		8.83	6.15	3.47	2.47
June	1-5	0.62	0.54	0.40	0.26
	6-10	0.03	0	1.53	1.70
	11-15	0T	0	0	2.28
	16-20	0.03	0	0.45	0.15
	21-25	0.81	0.16	0.31	0.55
	26-30	<u>0T</u>	<u>0</u>	<u>0.05</u>	<u>T</u>
		1.49	0.70	2.73	4.94
July	1-5	1.05	0.82	0.51	1.65
	6-10	0.86	0.42	0.80	1.56
	11-15	0.83	2.64	0.71	0
	16-20	0.62	1.15	1.16	1.16
	21-25	0.14	0.19	0	1.85
	26-31	<u>0</u>	<u>0.07</u>	<u>0</u>	<u>0</u>
		3.50	5.29	3.18	6.22
August	1-5	1.37	0.12	0.10	0.49
	6-10	0.60	0	0	0.33
	11-15	0	0	0	1.52
	16-20	0.82	0.74	0.49	2.08
	21-25	0.63	1.06	0.24	1.42
	26-31	<u>0.14</u>	<u>0.02</u>	<u>0.35</u>	<u>T</u>
		3.59	1.94	1.18	5.84
September	1-5	0.92	0.51	0.06	0
	6-10	0	0	0	0.13
	11-15	0.07	0.68	0.46	0
	16-20	0	0	0	0.09
	21-25	0.02	0.04	0	0.60
	26-30	<u>0.53</u>	<u>0.55</u>	<u>0.25</u>	<u>1.18</u>
		1.54	1.78	0.77	2.00
October	1-5	0.92	0.03	0.27	0.32
	6-10	0	0.03	0	0.11
	11-15	0	0	0.10	0
	16-20	0.61	0.85	0.88	0.54
	21-25	1.92	0.23	0.85	1.91
	26-31	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
		3.45	1.14	2.10	2.88

TABLE 4. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1990

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.		
VERY EARLY											
DELROY 4900	36.7	24.4	-	1.5	-	1.0	-	30	-	9-21	-
EGYPTIAN	29.2	20.2	-	1.1	-	1.5	-	26	-	9-18	-
MORGAN	27.5	23.8	-	1.3	-	3.0	-	28	-	9-10	-
PERSHING	44.9	21.3	-	1.0	-	1.0	-	23	-	9-22	-
RIVERSIDE 499	33.2	23.1	-	1.5	-	1.3	-	35	-	9-19	-
TN4-86	33.6	25.4	-	1.4	-	1.1	-	35	-	9-16	-
EARLY											
AGRATECH 550	36.3	22.9	-	1.4	-	1.0	-	36	-	10-12	-
AGRATECH 575	42.9	20.8	-	1.0	-	1.0	-	30	-	10-5	-
BAY	42.7	24.0	-	1.3	-	1.0	-	30	-	10-3	-
BEDFORD	34.8	22.9	-	1.9	-	1.0	-	39	-	10-5	-
COKER 485	44.1	25.5	20.3	1.5	1.0	1.0	1.0	31	23	10-9	10-19
COKER 6955	38.4	22.9	-	1.6	-	1.0	-	28	-	10-5	-
DELTAPINE 105	40.8	24.1	19.5	1.6	1.0	1.0	1.0	33	27	10-3	10-19
DELTAPINE 415	41.2	24.8	19.5	1.0	1.0	1.0	1.0	31	22	10-2	10-19
ESSEX	45.3	19.5	-	1.1	-	1.0	-	24	-	9-27	-
FFR 561	43.6	25.0	-	1.1	-	1.0	-	28	-	10-4	-
FFR 562	38.0	23.3	-	1.6	-	1.0	-	36	-	10-6	-
FFR 565	30.1	23.2	25.6	1.0	1.0	1.0	1.0	33	28	10-10	10-20
FORREST	36.1	23.3	21.0	1.4	1.0	1.0	1.0	32	28	10-3	10-19
HARTZ HX5258	41.2	20.4	-	1.3	-	1.0	-	30	-	10-2	-
HARTZ H5240	45.2	19.3	-	2.5	-	1.0	-	33	-	10-9	-
HARTZ 5164	39.7	23.8	24.9	1.6	1.5	1.0	1.0	32	28	10-9	10-20
HUTCHESON	46.0	23.8	14.8	1.3	1.0	1.0	1.0	28	18	10-5	10-19
HYPERFORMER HSC579	42.1	23.2	-	1.3	-	1.0	-	32	-	10-4	-
NAROW	38.0	21.1	-	1.5	-	1.0	-	28	-	9-30	-
PIONEER 9581	38.6	20.7	18.0	1.6	1.0	1.0	1.0	30	23	10-6	10-19
PIONEER 9582	35.5	25.7	-	1.4	-	1.0	-	31	-	10-5	-
PIONEER 9591	50.6	22.9	-	1.1	-	1.0	-	24	-	10-7	-
PIONEER 9592	44.0	25.0	-	1.4	-	1.0	-	36	-	10-6	-
RIVERSIDE 577	39.6	23.6	-	2.4	-	1.0	-	34	-	10-4	-
SHILOH	32.7	23.4	-	1.1	-	1.0	-	32	-	10-8	-
TERRA-VIG 505	35.4	24.6	-	1.8	-	1.0	-	33	-	10-5	-
TERRA-VIG 515	33.7	28.0	22.0	1.5	1.0	1.0	1.0	32	21	10-12	10-19
TN 5-85	34.0	21.5	-	1.1	-	1.0	-	28	-	9-29	-
TOANA	47.6	22.6	-	1.0	-	1.0	-	28	-	9-30	-
WALTERS	42.1	24.8	-	1.5	-	1.0	-	30	-	10-3	-
WILSTAR 550	39.0	23.6	-	1.1	-	1.0	-	33	-	10-10	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 4 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1990

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE							
	BELLE MINA BU.	CROSSVILLE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
		DATE 1 BU.	DATE 2 BU.	DATE 1 SCORE	DATE 2 SCORE	DATE 1 SCORE	DATE 2 SCORE	DATE 1 IN.	DATE 2 IN.	DATE 1	DATE 2
FULL SEASON											
AGRATECH 695	29.4	30.3	-	2.1	-	1.0	-	39	-	10-14	-
BRIM	45.4	21.9	-	1.5	-	1.0	-	35	-	10-12	-
CENTENNIAL	36.6	25.0	-	1.5	-	1.0	-	35	-	10-15	-
DELTAPINE 506	35.4	23.6	-	1.8	-	1.0	-	38	-	10-14	-
DELTAPINE 566	40.2	23.9	16.8	1.4	1.0	1.0	1.0	34	26	10-15	10-26
DELTAPINE 726	35.3	24.6	-	1.8	-	1.0	-	37	-	10-16	-
FFR 646	30.3	23.7	-	1.0	-	1.0	-	38	-	10-15	-
FFR 668	36.5	21.7	-	1.6	-	1.0	-	35	-	10-17	-
FFR 695	35.2	19.2	-	1.3	-	1.0	-	32	-	10-14	-
G 81-234 (BRYAN)	35.6	26.8	26.3	1.5	1.0	1.0	1.0	37	33	10-16	10-28
G83-198	37.6	29.0	-	1.3	-	1.0	-	31	-	10-12	-
HARTZ 6130	33.3	25.7	-	1.4	-	1.0	-	37	-	10-10	-
HARTZ 6200	33.6	25.3	25.8	1.5	1.5	1.0	1.0	38	29	10-7	10-24
HARTZ 6686	41.9	28.0	22.3	1.3	1.0	1.0	1.0	33	26	10-14	10-22
HYPERFORMER HSC B2J	41.3	22.1	-	1.3	-	1.0	-	34	-	10-10	-
HYPERFORMER SAMPSON	31.9	22.0	-	1.5	-	1.0	-	33	-	10-15	-
LAMAR	40.5	25.1	-	1.5	-	1.0	-	34	-	10-13	-
LEFLORE	36.1	26.8	-	1.6	-	1.0	-	34	-	10-14	-
LLOYD	25.7	28.5	-	1.8	-	1.0	-	36	-	10-15	-
N.K. S69-54	31.4	23.7	25.3	1.6	1.0	1.0	1.0	33	24	10-13	10-26
PIONEER 9641	42.1	25.3	-	1.4	-	1.0	-	33	-	10-10	-
PIONEER 9691	45.3	29.9	27.7	1.5	1.5	1.0	1.0	36	29	10-14	10-27
RA 606	39.5	21.5	-	2.3	-	1.0	-	40	-	10-12	-
RA 680	32.1	26.1	-	1.5	-	1.0	-	35	-	10-13	-
RIVERSIDE CAJUN	38.2	26.2	26.9	1.0	1.0	1.0	1.0	30	26	10-14	10-25
RIVERSIDE 677	44.3	21.9	-	1.3	-	1.0	-	32	-	10-11	-
RIVERSIDE 696	26.4	29.1	-	1.4	-	1.0	-	36	-	10-13	-
SHARKEY	37.7	23.2	23.7	2.3	1.3	1.0	1.0	39	31	10-14	10-27
TERRA-VIG 616	27.6	24.9	-	1.9	-	1.0	-	37	-	10-16	-
TERRA-VIG 626	40.2	24.6	-	1.8	-	1.0	-	39	-	10-12	-
TRACY M	40.3	22.6	-	1.6	-	1.1	-	34	-	10-12	-
TWIGGS	41.6	20.1	-	1.3	-	1.0	-	36	-	10-8	-
YOUNG	41.2	23.4	24.5	1.8	1.0	1.0	1.0	38	29	10-12	10-28
LATE											
BRAXTON	51.8	22.5	25.1	1.8	1.0	1.0	1.0	36	30	10-18	10-31
COKER 6727	-	-	24.7	-	1.0	-	1.0	-	24	-	10-30
FFR 771	-	-	29.3	-	1.0	-	1.0	-	31	-	10-31
GORDON	-	-	27.7	-	1.0	-	1.0	-	30	-	10-31
HARTZ 7126	-	-	32.4	-	1.3	-	1.0	-	34	-	10-31
PIONEER 9791	-	-	23.1	-	1.0	-	1.0	-	27	-	10-30
RANSOM	-	-	23.7	-	1.0	-	1.0	-	27	-	10-31
STONEWALL	44.9	25.2	28.6	1.9	1.5	1.0	1.0	33	29	10-14	10-31
TERRA-VIG 717	-	-	27.3	-	1.0	-	1.0	-	26	-	10-31
TEST MEANS	38.2	23.9	24.0	1.5	1.1	1.0	1.0	33	27		
L.S.D. (.05)	9.7	5.1	6.0								
C.V. (%)	18.3	15.3	17.7								

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, 1988-90

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1990		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														
TN4-86	29.5	-	34.5	-	33.1	-	1.4	-	1.0	-	34	-	9-20	-
PERSHING	33.1	-	33.7	-	32.6	-	1.0	-	0.9	-	23	-	9-26	-
RIVERSIDE 499	28.1	-	35.3	-	-	-	-	-	-	-	-	-	-	-
MORGAN	25.7	-	27.0	-	-	-	-	-	-	-	-	-	-	-
DELLOY 4900	30.6	-	-	-	-	-	-	-	-	-	-	-	-	-
EGYPTIAN	24.7	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
COKER 485	34.8	20.3	38.0	26.9	40.1	32.3	1.3	1.3	0.8	1.0	30	27	10-10	10-21
TERRA-VIG 515	30.8	22.0	38.2	-	39.3	-	1.5	-	0.8	-	31	-	10-12	-
DELTAPINE 415	33.0	19.5	37.8	27.4	38.9	33.0	1.1	1.1	0.8	1.0	29	27	10-3	10-20
HARTZ 5164	31.7	24.9	38.5	-	38.9	-	1.5	-	0.9	-	32	-	10-10	-
RIVERSIDE 577	31.6	-	35.3	-	37.7	-	2.2	-	0.9	-	33	-	10-7	-
HUTCHESON	34.9	14.8	36.7	23.8	37.6	31.2	1.1	1.1	0.9	1.0	27	22	10-6	10-21
FORREST	29.7	21.0	34.0	27.0	36.0	31.9	1.3	1.3	0.8	1.0	31	29	10-6	10-21
DELTAPINE 105	32.5	19.5	34.1	25.7	35.7	31.1	1.4	1.3	0.8	1.0	32	30	10-7	10-21
PIONEER 9581	29.6	18.0	34.1	-	35.3	-	1.3	-	0.8	-	29	-	10-8	-
FFR 561	34.3	-	33.8	-	35.3	-	1.0	-	0.9	-	27	-	10-5	-
FFR 565	26.6	25.6	31.7	29.3	35.1	-	1.2	-	0.8	-	32	-	10-8	-
COKER 6955	30.6	-	32.4	-	34.7	-	1.2	-	0.8	-	27	-	10-5	-
FFR 562	30.7	-	31.8	-	34.5	-	1.5	-	0.8	-	34	-	10-8	-
PIONEER 9591	36.7	-	32.8	-	34.2	-	1.0	-	0.8	-	23	-	10-8	-
TOANA	35.1	-	32.5	-	33.5	-	1.0	-	0.8	-	26	-	10-3	-
BEDFORD	28.8	-	32.5	-	33.1	-	1.9	-	0.8	-	36	-	10-9	-
TN 5-85	27.7	-	29.9	-	32.7	-	1.2	-	0.8	-	28	-	10-3	-
NAROW	29.6	-	29.8	-	32.5	-	1.2	-	0.9	-	26	-	10-2	-
BAY	33.3	-	30.6	-	31.9	-	1.1	-	1.0	-	29	-	10-3	-
WILSTAR 550	31.3	-	31.0	-	31.6	-	1.2	-	0.8	-	31	-	10-9	-
ESSEX	32.4	-	28.8	-	29.9	-	1.0	-	1.0	-	23	-	9-28	-
TERRA-VIG 505	30.0	-	31.6	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9592	34.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WALTERS	33.4	-	-	-	-	-	-	-	-	-	-	-	-	-
HYPERFORMER HSC579	32.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H5240	32.2	-	-	-	-	-	-	-	-	-	-	-	-	-
AGRATECH 575	31.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ HX5258	30.8	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9582	30.6	-	-	-	-	-	-	-	-	-	-	-	-	-
AGRATECH 550	29.6	-	-	-	-	-	-	-	-	-	-	-	-	-
SHILOH	28.0	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 5 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 3-YEAR SUMMARY, 1986-90

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1990		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														
SHARKEY	30.5	23.7	38.5	28.6	40.3	-	2.5	-	0.8	-	38	-	10-16	-
PIONEER 9691	37.6	27.7	37.1	29.3	39.5	33.3	1.5	1.7	0.8	1.0	33	30	10-17	10-28
G 81-234 (BRYAN)	31.2	26.3	36.0	31.3	39.1	-	1.4	-	0.8	-	35	-	10-18	-
HARTZ 6686	34.9	22.3	36.6	27.5	38.7	-	1.3	-	0.8	-	32	-	10-16	-
RA 606	30.5	-	33.6	-	37.6	-	2.3	-	0.8	-	36	-	10-14	-
LEFLORE	31.4	-	33.8	-	37.0	-	1.5	-	0.8	-	33	-	10-16	-
TRACY M	31.4	-	33.8	-	36.8	-	1.8	-	0.9	-	32	-	10-13	-
HARTZ 6200	29.5	25.8	35.2	-	36.8	-	1.4	-	0.8	-	34	-	10-9	-
CENTENNIAL	30.8	-	33.5	-	36.0	-	1.5	-	0.8	-	33	-	10-16	-
TWIGGS	30.9	-	33.9	-	35.9	-	1.2	-	0.8	-	33	-	10-9	-
N.K. 569-54	27.5	25.3	32.4	28.1	35.8	32.0	1.7	1.5	0.8	1.0	31	26	10-16	10-27
YOUNG	32.3	24.5	33.0	29.2	35.6	33.0	1.8	1.5	0.8	1.0	35	32	10-13	10-28
RA 680	29.1	-	34.2	-	35.5	-	1.5	-	0.8	-	34	-	10-15	-
DELTAPINE 726	30.0	-	32.4	-	34.4	-	1.9	-	0.8	-	36	-	10-18	-
DELTAPINE 566	32.1	16.8	32.7	23.3	34.2	29.2	1.3	1.2	0.8	1.0	33	29	10-18	10-29
RIVERSIDE 696	27.2	-	31.3	-	34.2	-	1.3	-	0.8	-	34	-	10-15	-
HARTZ 6130	29.5	-	29.8	-	34.2	-	1.3	-	0.8	-	33	-	10-13	-
DELTAPINE 506	29.5	-	31.6	-	33.7	-	2.1	-	0.8	-	35	-	10-17	-
HYPERFORMER SAMPSON	27.0	-	29.4	-	33.6	-	1.5	-	0.8	-	31	-	10-19	-
TERRA-VIG 616	26.2	-	30.2	-	32.9	-	1.8	-	0.8	-	35	-	10-18	-
FFR 658	29.1	-	30.0	-	32.4	-	1.6	-	0.8	-	33	-	10-18	-
RIVERSIDE CAJUN	32.2	26.9	35.9	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9641	33.7	-	35.0	-	-	-	-	-	-	-	-	-	-	-
HYPERFORMER HSC B2J	31.7	-	33.4	-	-	-	-	-	-	-	-	-	-	-
LLOYD	27.1	-	30.2	-	-	-	-	-	-	-	-	-	-	-
FFR 646	27.0	-	28.8	-	-	-	-	-	-	-	-	-	-	-
BRIM	33.6	-	-	-	-	-	-	-	-	-	-	-	-	-
G83-198	33.3	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 677	33.1	-	-	-	-	-	-	-	-	-	-	-	-	-
LAMAR	32.8	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 626	32.4	-	-	-	-	-	-	-	-	-	-	-	-	-
AGRATECH 695	29.8	-	-	-	-	-	-	-	-	-	-	-	-	-
FFR 695	27.2	-	-	-	-	-	-	-	-	-	-	-	-	-
LATE														
BRAXTON	37.1	25.1	32.7	28.3	34.9	31.8	1.5	1.1	0.8	1.0	34	30	10-21	11-2
STONEWALL	35.0	28.6	-	32.1	-	34.9	-	1.7	-	1.0	-	31	-	10-31
COKER 6727	-	24.7	-	29.0	-	32.7	-	1.2	-	1.0	-	27	-	10-30
FFR 771	-	29.3	-	30.0	-	-	-	-	-	-	-	-	-	-
GORDON	-	27.7	-	29.9	-	31.5	-	1.5	-	1.0	-	31	-	10-31
HARTZ 7126	-	32.4	-	33.4	-	36.0	-	1.8	-	1.0	-	34	-	10-31
PIONEER 9791	-	23.1	-	28.8	-	33.6	-	1.3	-	1.0	-	29	-	10-31
RANSOM	-	23.7	-	26.9	-	31.1	-	1.2	-	1.0	-	28	-	10-31
TERRA-VIG 717	-	27.3	-	29.5	-	-	-	-	-	-	-	-	-	-
TEST MEANS	31.1	24.0	33.2	28.4	35.4	32.4	1.5	1.3	0.9	1.0	31	29		
L.S.D. (.05)	7.7	6.0	8.9		8.2									
C.V. (%)	17.9	17.7	19.2		16.7									

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 13, MAY 10, AND MAY 12 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JUNE 28, JUNE 29, AND JUNE 29, RESPECTIVELY.

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 1990

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.				
<u>VERY EARLY</u>												
BAY	18.1	22.4	-	1.0	-	1.9	-	28	-	9-11	-	
BEDFORD	16.0	18.2	-	1.6	-	1.0	-	36	-	9-19	-	
COKER 485	17.3	19.6	-	1.0	-	1.0	-	29	-	9-20	-	
DELTAPINE 105	14.6	19.2	-	1.1	-	1.1	-	31	-	9-20	-	
DELTAPINE 415	16.0	25.6	-	1.0	-	1.4	-	30	-	9-16	-	
ESSEX	19.2	28.7	-	1.0	-	2.0	-	24	-	9-11	-	
FFR 561	16.7	23.3	-	1.0	-	1.9	-	27	-	9-12	-	
FFR 565	14.5	16.4	-	1.0	-	1.1	-	30	-	9-17	-	
FORREST	17.2	18.0	-	1.0	-	1.0	-	31	-	9-16	-	
HARTZ H5240	14.3	23.0	-	1.4	-	1.0	-	29	-	9-18	-	
HARTZ 5164	13.8	18.0	-	1.0	-	1.0	-	30	-	9-23	-	
HUTCHESON	18.4	26.6	-	1.0	-	1.5	-	27	-	9-15	-	
NAROW	16.4	20.5	-	1.0	-	1.1	-	28	-	9-12	-	
PIONEER 9581	17.3	19.5	-	1.0	-	1.0	-	29	-	9-15	-	
SHILOH	12.2	11.6	-	1.0	-	1.3	-	31	-	9-22	-	
TERRA-VIG 505	15.8	17.3	-	1.1	-	1.3	-	31	-	9-21	-	
TERRA-VIG 515	14.5	18.5	-	1.0	-	1.0	-	33	-	9-26	-	
TN 5-85	16.3	21.8	-	1.0	-	1.6	-	27	-	9-15	-	
TOANA	20.1	31.0	-	1.0	-	1.5	-	27	-	9-12	-	
WALTERS	18.6	17.0	-	1.0	-	1.0	-	28	-	9-19	-	
WILSTAR 550	15.2	11.0	-	1.0	-	1.0	-	30	-	9-20	-	
<u>EARLY</u>												
BRIM	17.0	17.3	-	1.0	-	1.1	-	35	-	9-27	-	
DAVIS	14.0	17.3	7.5	1.0	1.0	1.4	1.0	37	30	9-27	10-29	
DELTAPINE 506	11.6	11.3	-	1.3	-	1.0	-	33	-	10-11	-	
DELTAPINE 566	14.0	12.0	9.9	1.0	1.0	1.0	1.0	33	28	10-10	11-10	
DELTAPINE 726	10.0	13.3	8.4	1.0	1.0	1.0	1.0	36	27	10-16	11-10	
FFR 668	7.9	10.6	-	1.0	-	1.1	-	34	-	10-17	-	
FFR 695	10.0	12.5	-	1.0	-	1.0	-	31	-	10-8	-	
G 81-234 (BRYAN)	-	-	7.8	-	1.0	-	1.0	-	28	-	11-9	-
HARTZ 6200	16.0	18.7	-	1.1	-	1.0	-	32	-	9-23	-	
HARTZ 6686	9.7	14.0	8.8	1.0	1.0	1.0	1.0	30	27	10-12	11-9	
HYPERVERFORMER SAMPSON	11.7	9.9	-	1.0	-	1.0	-	35	-	10-14	-	
LEFLORE	9.6	9.9	8.6	1.0	1.0	1.3	1.0	34	25	10-12	11-5	
LLOYD	8.8	8.9	-	1.0	-	1.0	-	36	-	10-14	-	
N.K. 569-54	14.1	14.2	7.5	1.0	1.0	1.0	1.0	31	30	10-3	11-6	
PIONEER 9691	12.6	10.6	-	1.0	-	1.0	-	32	-	10-9	-	
RA 606	15.1	13.7	9.2	1.1	1.0	1.4	1.0	37	30	9-25	11-2	
RA 680	6.5	12.5	-	1.0	-	1.0	-	32	-	10-17	-	
RIVERSIDE CAJUN	12.3	10.8	-	1.0	-	1.0	-	29	-	10-1	-	
RIVERSIDE 677	14.0	15.1	-	1.0	-	1.1	-	31	-	9-29	-	
RIVERSIDE 696	6.7	11.6	-	1.0	-	1.0	-	31	-	10-18	-	
SHARKEY	9.4	11.1	-	1.3	-	1.4	-	38	-	10-17	-	
TERRA-VIG 616	10.6	11.7	-	1.1	-	1.0	-	37	-	10-18	-	
TRACY M	16.3	14.7	-	1.0	-	1.1	-	34	-	9-30	-	
TWIGGS	16.7	19.3	-	1.0	-	1.0	-	29	-	9-23	-	
YOUNG	16.3	17.4	8.0	1.0	1.0	1.1	1.0	35	29	9-29	11-1	

CONTINUED ON THE FOLLOWING PAGE

TABLE 6 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 1990

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 2
FULL SEASON												
AGRATECH 700	7.5	9.0	-	2.3	-	1.0	-	35	-	10-16	-	
BRAXTON	11.7	13.6	8.6	1.0	1.0	1.0	1.0	36	25	10-15	11-14	
COKER 6727	10.8	13.1	8.7	1.0	1.0	1.0	1.0	34	25	10-16	11-14	
COKER 6847	7.3	11.4	7.4	1.0	1.0	1.0	1.0	36	30	10-19	11-15	
DELTAPINE 417	6.5	8.2	9.6	1.0	1.0	1.1	1.0	40	31	10-20	11-11	
FFR 771	11.0	9.8	8.7	1.0	1.0	1.0	1.0	38	29	10-15	11-15	
GASOY 17	8.7	11.2	-	1.0	-	1.0	-	39	-	10-19	-	
GORDON	10.6	12.3	-	1.1	-	1.0	-	35	-	10-13	-	
HARTZ H 7110	7.0	8.9	-	1.0	-	1.0	-	35	-	10-19	-	
HARTZ 7126	11.1	11.2	10.2	1.0	1.0	1.1	1.0	34	29	10-11	11-10	
PIONEER 9751	7.0	9.6	-	1.0	-	1.0	-	34	-	10-21	-	
PIONEER 9791	9.4	12.0	12.6	1.0	1.0	1.0	1.0	33	28	10-16	11-11	
RIVERSIDE 757	9.1	8.8	-	1.8	-	1.0	-	40	-	10-23	-	
STONEWALL	11.0	13.7	9.6	1.0	1.0	1.1	1.0	31	27	10-15	11-11	
TERRA-VIG 717	7.5	8.7	8.1	1.1	1.0	1.0	1.0	33	28	10-19	11-11	
THOMAS	9.0	10.2	-	1.0	-	1.0	-	35	-	10-20	-	
WRIGHT	8.7	11.6	-	1.4	-	1.1	-	37	-	10-18	-	
LATE												
COBB	5.0	6.9	8.3	1.1	1.0	1.0	1.0	39	34	10-24	11-14	
COKER 368	5.3	9.8	7.1	1.0	1.0	1.0	1.0	36	32	10-31	11-18	
COKER 6738	6.8	9.2	8.6	1.0	1.0	1.0	1.0	38	31	10-29	11-16	
CROCKETT	2.9	10.6	11.6	1.5	1.0	1.0	1.0	36	33	11-2	11-18	
DELTAPINE 878	3.8	10.3	9.4	1.0	1.0	1.0	1.0	38	29	10-31	11-14	
FOSTER	8.5	9.1	7.8	1.0	1.0	1.0	1.0	36	30	10-20	11-10	
F83-1648	5.6	8.9	-	1.0	-	1.0	-	34	-	10-21	-	
HARTZ 8112	5.0	8.1	9.1	1.0	1.0	1.0	1.0	37	30	10-22	11-17	
JOHNSTON	8.2	9.3	9.8	1.0	1.0	1.0	1.0	34	30	10-21	11-13	
KIRBY	3.7	10.9	8.3	1.0	1.0	1.0	1.0	35	28	11-2	11-17	
TEST MEANS	11.7	14.2	8.9	1.1	1.0	1.1	1.0	33	29			
L.S.D. (.05)	3.9	5.0	2.0									
C.V. (%)	24.1	25.2	15.8									

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, 1988-90

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1990		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 516	16.5	-	13.9	-	19.2	-	1.0	-	1.3	-	25	-	10-7	-
DELTAPINE 105	16.9	-	14.7	-	17.9	-	1.1	-	1.7	-	24	-	10-1	-
COKER 485	18.4	-	14.2	-	17.2	-	1.0	-	1.6	-	23	-	10-4	-
FFR 561	20.0	-	15.3	-	16.9	-	1.0	-	2.2	-	21	-	9-28	-
FORREST	17.6	-	14.6	-	16.9	-	1.0	-	1.5	-	23	-	9-27	-
BAY	20.2	-	15.7	-	16.8	-	1.0	-	2.2	-	21	-	9-26	-
DELTAPINE 415	20.8	-	15.2	-	16.7	-	1.0	-	1.7	-	21	-	9-28	-
PIONEER 9581	18.4	-	14.9	-	16.7	-	1.0	-	1.6	-	21	-	9-27	-
BEDFORD	17.1	-	14.5	-	16.2	-	1.2	-	1.4	-	27	-	10-1	-
HARTZ 5164	15.9	-	13.4	-	16.2	-	1.0	-	1.6	-	22	-	10-4	-
FFR 565	15.4	-	12.7	-	15.8	-	1.2	-	1.2	-	23	-	9-29	-
TN 5-85	19.0	-	15.3	-	15.5	-	1.0	-	1.9	-	21	-	9-28	-
WILSTAR 550	13.1	-	11.3	-	13.7	-	1.0	-	1.6	-	23	-	9-29	-
HUTCHESON	22.5	-	16.7	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 505	16.5	-	13.0	-	-	-	-	-	-	-	-	-	-	-
TOANA	25.5	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSEX	23.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H5240	18.6	-	-	-	-	-	-	-	-	-	-	-	-	-
NAROW	18.4	-	-	-	-	-	-	-	-	-	-	-	-	-
WALTERS	17.8	-	-	-	-	-	-	-	-	-	-	-	-	-
SHILOH	11.9	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
RA 606	14.4	9.2	12.6	11.7	19.2	19.2	1.0	1.0	1.6	1.3	28	29	10-6	10-30
DELTAPINE 726	11.7	8.4	11.4	13.4	19.1	-	1.1	-	1.1	-	29	-	10-21	-
RIVERSIDE 696	9.1	-	10.9	-	19.0	-	1.0	-	1.1	-	25	-	10-20	-
YOUNG	16.8	8.0	13.0	10.5	18.6	19.2	1.0	1.1	1.7	1.7	28	30	10-5	10-30
N.K. S69-54	14.2	7.5	12.3	12.7	18.4	20.5	1.0	1.3	1.1	1.0	24	28	10-15	11-3
LEFLORE	9.7	8.6	10.4	13.1	18.2	19.8	1.0	1.0	1.3	1.2	27	27	10-19	11-1
TRACY M	15.6	-	12.6	-	18.1	-	1.0	-	1.7	-	27	-	10-12	-
DAVIS	15.7	7.6	12.0	11.4	18.0	18.2	1.0	1.2	1.7	1.7	29	31	10-9	10-29
TWIGGS	18.0	-	13.9	-	18.0	-	1.0	-	1.4	-	23	-	10-2	-
HARTZ 6200	17.3	-	14.3	-	17.9	-	1.0	-	1.3	-	26	-	10-3	-
FFR 668	9.3	-	10.2	-	17.6	-	1.0	-	1.4	-	27	-	10-22	-
PIONEER 9691	11.6	-	11.4	-	17.5	-	1.0	-	1.1	-	25	-	10-17	-
DELTAPINE 566	13.0	9.9	12.3	14.0	17.0	21.9	1.0	1.0	1.1	1.0	25	29	10-19	11-6
DELTAPINE 506	11.4	-	11.2	-	16.9	-	1.1	-	1.2	-	27	-	10-19	-
RA 680	9.5	-	9.8	-	16.5	-	1.0	-	1.2	-	26	-	10-19	-
SHARKEY	10.3	-	9.8	-	15.9	-	1.2	-	1.6	-	31	-	10-21	-
TERRA-VIG 616	11.2	-	12.3	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE CAJUN	11.6	-	11.4	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6686	11.8	8.8	11.2	-	-	-	-	-	-	-	-	-	-	-
LLOYD	8.9	-	10.8	-	-	-	-	-	-	-	-	-	-	-
HYPERFORMER SAMPSON	10.6	-	10.6	-	-	-	-	-	-	-	-	-	-	-
BRIM	17.2	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 677	14.6	-	-	-	-	-	-	-	-	-	-	-	-	-
FFR 695	11.2	-	-	-	-	-	-	-	-	-	-	-	-	-
G 81-234 (BRYAN)	-	7.8	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 7 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 3-YEAR SUMMARY, 1988-90

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1990		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														
HARTZ 7126	11.1	10.2	12.1	15.3	19.5	23.2	1.1	1.2	1.1	1.0	28	32	10-18	11-3
FFR 771	10.4	8.7	12.2	14.7	19.4	-	1.0	-	1.1	-	30	-	10-25	-
TERRA-VIG 717	8.1	8.1	11.4	12.6	19.3	21.7	1.2	1.5	1.1	1.1	27	28	10-26	11-6
GORDON	11.5	-	13.1	-	18.9	-	1.1	-	1.1	-	28	-	10-21	-
STONEWALL	12.3	9.6	12.2	13.7	18.5	22.0	1.0	1.0	1.2	1.2	26	28	10-23	11-6
COKER 6727	11.9	8.7	11.9	14.0	18.3	21.8	1.0	1.0	1.1	1.0	26	26	10-23	11-5
PIONEER 9791	10.7	12.6	13.2	17.6	17.9	23.7	1.0	1.0	1.2	1.0	25	26	10-24	11-6
COKER 6847	9.4	7.4	10.7	14.2	17.6	-	1.0	-	1.0	-	29	-	10-26	-
WRIGHT	10.2	-	11.9	-	17.4	-	1.2	-	1.1	-	30	-	10-24	-
BRAXTON	12.7	8.6	12.5	15.1	17.1	22.1	1.0	1.0	1.0	1.0	28	27	10-26	11-7
GASOY 17	9.9	-	12.2	-	17.0	-	1.0	-	1.1	-	31	-	10-26	-
DELTAPINE 417	7.4	9.6	10.1	14.6	15.1	23.5	1.0	1.0	1.3	1.1	32	33	10-27	11-6
THOMAS	9.6	-	11.6	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9751	8.3	-	11.0	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 7110	8.0	-	9.6	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 757	8.9	-	-	-	-	-	-	-	-	-	-	-	-	-
AGRATECH 700	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-
LATE														
COKER 6738	8.0	8.6	11.7	17.0	19.0	23.5	1.0	1.0	1.1	1.0	30	30	11-3	11-9
COKER 368	7.5	7.1	11.4	14.9	18.4	23.3	1.0	1.0	1.2	1.0	30	32	11-3	11-8
FOSTER	8.8	7.8	10.9	15.2	17.8	22.6	1.0	1.0	1.1	1.0	30	31	10-26	11-4
JOHNSTON	8.7	9.8	10.4	15.1	16.6	24.7	1.0	1.3	1.2	1.0	27	31	10-28	11-7
KIRBY	7.3	8.3	9.6	14.6	16.6	21.9	1.0	1.0	1.0	1.0	29	32	11-3	11-8
COBB	6.0	8.3	9.4	15.3	15.6	24.1	1.1	1.1	1.2	1.1	32	35	10-31	11-10
F83-1648	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 878	7.1	9.4	-	15.4	-	-	-	-	-	-	-	-	-	-
CROCKETT	6.7	11.6	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 8112	6.5	9.1	-	15.3	-	22.4	-	1.0	-	1.0	-	31	-	11-7
TEST MEANS														
	12.9	8.9	12.3	14.2	17.6	22.0	1.0	1.1	1.3	1.1	26	30		
L.S.D. (.05)	4.5	2.0	4.2		5.6									
C.V. (%)	24.9	15.8	24.4		23.0									

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 24, MAY 26, AND MAY 27 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JUNE 18, JUNE 13, AND JUNE 17, RESPECTIVELY.

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 1990

BRAND-VARIETY	YIELD PER ACRE BU.	AVERAGE		PLANT HEIGHT IN.	MATURITY DATE
		LODGING SCORE	SHATTERING SCORE		
<u>VERY EARLY</u>					
NAROW	17.1	1.0	2.0	21	9-16
HARTZ HX5258	17.0	1.0	1.8	26	9-24
WALTERS	16.9	1.3	1.5	23	9-24
HUTCHESON	16.7	1.0	1.8	21	9-23
DELTAPINE 415	16.1	1.3	2.0	26	10-5
DELTAPINE 105	15.0	1.3	2.5	26	9-21
FFR 562	14.9	1.8	2.0	30	9-29
SHILOH	14.5	1.0	1.8	32	10-15
TOANA	14.3	1.0	2.6	21	9-16
FFR 565	13.6	2.0	2.0	28	9-21
TN 5-85	12.1	1.5	3.0	24	9-17
FORREST	11.5	1.5	1.8	26	9-26
RIVERSIDE 577	11.4	2.3	2.0	27	9-30
BAY	11.3	1.0	2.8	23	9-23
TERRA-VIG 505	10.6	1.5	2.3	25	9-28
HARTZ 5164	10.4	1.8	2.0	28	10-10
PIONEER 9581	8.4	1.0	2.0	22	9-27
HARTZ H5240	8.3	1.3	2.0	23	10-4
<u>EARLY</u>					
PIONEER 9691	16.7	2.0	2.5	29	10-16
DELTAPINE 726	15.6	1.3	2.8	33	10-16
M.K. 569-54	13.9	1.3	3.0	26	10-12
HARTZ 6686	13.0	1.3	2.5	27	10-16
HYPERFORMER SAMPSON	12.7	1.6	1.5	25	10-14
DELTAPINE 506	12.7	2.0	2.3	34	10-14
SHARKEY	11.4	2.0	1.8	32	10-26
TERRA-VIG 616	11.1	1.5	3.3	28	10-14
FFR 695	10.4	1.3	2.0	23	10-13
HARTZ 6372	9.9	1.5	2.5	25	10-23
HARTZ 6130	9.9	1.3	2.8	30	10-14
TRACY M	9.9	2.0	3.0	27	10-13
FFR 668	9.7	1.3	3.0	27	10-20
RIVERSIDE CAJUN	9.7	1.6	2.0	23	10-21
RIVERSIDE 699	9.3	1.3	4.5	25	10-9
DAVIS	8.8	1.3	4.5	28	10-6
HYPERFORMER HSC B2J	7.1	1.3	3.5	26	10-15
G 81-234 (BRYAN)	7.0	1.3	2.8	26	10-19
YOUNG	6.6	1.3	5.0	28	10-6

CONTINUED ON THE FOLLOWING PAGE

TABLE 8 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 1990

BRAND-VARIETY	YIELD PER ACRE	AVERAGE			MATURITY DATE
		LODGING	SHATTERING	PLANT HEIGHT	
	BU.	SCORE	SCORE	IN.	
<u>FULL SEASON</u>					
COKER 6727	19.2	1.5	1.5	29	10-19
HARTZ H7190	18.8	1.3	1.3	28	10-14
COKER 6847	17.2	1.0	1.8	30	10-24
BRAXTON	16.6	1.0	2.0	29	10-17
STONEWALL	15.4	1.5	2.3	28	10-18
PIONEER 9751	15.2	1.5	1.5	28	10-21
COLQUITT	15.1	1.5	2.0	30	10-19
FFR 771	15.0	1.3	1.3	32	10-17
LA 79-11123	14.5	1.5	3.0	29	10-21
RIVERSIDE 757	12.7	2.3	1.8	35	10-21
HARTZ 7126	12.7	2.0	2.5	33	10-16
TERRA-VIG 727	12.0	1.3	1.5	24	10-24
WRIGHT	11.8	1.8	1.8	28	10-20
PIONEER 9711	11.8	1.5	2.5	28	10-25
DELTAPINE 417	11.2	1.5	3.0	30	10-23
THOMAS	10.9	1.3	2.0	26	10-27
RANSOM	10.5	1.3	2.5	26	10-12
PIONEER 9791	10.5	1.5	1.0	26	10-27
HYPERFORMER HSC-721	8.7	1.5	1.3	25	10-27
<u>LATE</u>					
COKER 6738	18.4	1.3	1.8	29	10-29
G83-266	17.5	1.8	1.5	29	10-22
HARTZ 8112	16.4	1.5	2.0	31	10-16
JOHNSTON	14.0	1.8	2.0	28	10-16
AU85-1797	13.9	1.5	2.0	30	10-21
COBB	11.6	1.5	2.8	33	10-23
CROCKETT	10.4	2.3	1.0	27	11-4
F83-1918	8.9	1.5	2.0	27	10-23
F83-1648	8.9	2.0	2.8	27	10-21
DELTAPINE 878	5.3	1.0	2.5	27	10-24
TEST MEANS	12.6	1.5	2.3	27	
L.S.D. (.05)	6.8				
C.V. (%)	38.7				

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, 1988-90

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			MATURITY DATE
	1990	2-YR. AV.	3-YR. AV.	LODGING	SHATTERING	PLANT HEIGHT	
	BU.	BU.	BU.	SCORE	SCORE	IN.	
<u>VERY EARLY</u>							
DELTAPINE 105	15.0	19.6	17.5	1.1	1.6	22	9-25
NAROW	17.1	17.6	15.9	1.0	1.6	17	9-20
DELTAPINE 415	16.1	19.4	15.8	1.1	1.4	20	10-2
HUTCHESON	16.7	16.6	14.1	1.0	1.7	16	9-28
TN 5-85	12.1	16.7	13.0	1.2	1.9	17	9-26
HARTZ 5164	10.4	15.8	12.7	1.3	1.4	22	10-9
TOANA	14.3	13.1	11.3	1.0	1.9	17	9-22
FORREST	11.5	13.5	10.8	1.2	1.3	20	9-29
BAY	11.3	10.2	9.0	1.0	2.0	18	9-30
TERRA-VIG 505	10.6	14.4	-	-	-	-	-
HARTZ HX5258	17.0	-	-	-	-	-	-
WALTERS	16.9	-	-	-	-	-	-
FFR 562	14.9	-	-	-	-	-	-
SHILOH	14.5	-	-	-	-	-	-
FFR 565	13.6	-	-	-	-	-	-
RIVERSIDE 577	11.4	-	-	-	-	-	-
PIONEER 9581	8.4	-	-	-	-	-	-
HARTZ H5240	8.3	-	-	-	-	-	-
<u>EARLY</u>							
PIONEER 9691	16.7	15.8	15.1	1.3	1.7	21	10-16
DELTAPINE 506	12.7	11.0	13.2	1.4	1.5	26	10-13
DELTAPINE 726	15.6	14.5	13.1	1.1	1.8	24	10-16
TRACY M	9.9	14.2	12.8	1.4	1.8	24	10-12
TERRA-VIG 616	11.1	11.2	12.7	1.2	2.2	26	10-13
SHARKEY	11.4	13.0	12.2	1.6	1.6	27	10-23
DAVIS	8.8	9.5	11.6	1.2	2.7	25	10-5
YOUNG	6.6	11.3	11.4	1.3	3.3	26	10-4
HYPERFORMER SAMPSON	12.7	10.6	10.6	1.3	1.2	21	10-10
HARTZ 6372	9.9	9.9	7.8	1.2	1.5	19	10-20
G 81-234 (BRYAN)	7.0	5.6	5.4	1.1	1.9	17	10-16
RIVERSIDE CAJUN	9.7	11.7	-	-	-	-	-
RIVERSIDE 699	9.3	10.4	-	-	-	-	-
N.K. 569-54	13.9	-	-	-	-	-	-
HARTZ 6686	13.0	-	-	-	-	-	-
FFR 695	10.4	-	-	-	-	-	-
HARTZ 6130	9.9	-	-	-	-	-	-
FFR 668	9.7	-	-	-	-	-	-
HYPERFORMER HSC B2J	7.1	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 9 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 3-YEAR SUMMARY, 1988-90

BRAND-VARIETY	YIELD PER ACRE			LODGING SCORE	SHATTERING SCORE	3-YEAR AVERAGE		
	1990 BU.	2-YR. AV. BU.	3-YR. AV. BU.			PLANT HEIGHT IN.	MATURITY DATE	
FULL SEASON								
COKER 6727	19.2	18.3	19.3	1.2	1.3	24	10-16	
STONEWALL	15.4	18.5	18.9	1.3	1.7	23	10-17	
COKER 6847	17.2	16.3	18.4	1.0	1.3	27	10-21	
THOMAS	10.9	14.7	16.5	1.1	1.7	25	10-21	
PIONEER 9751	15.2	14.7	15.1	1.2	1.2	24	10-21	
BRAXTON	16.6	13.3	13.6	1.0	1.3	24	10-19	
RANSOM	10.5	10.9	11.7	1.1	1.8	23	10-14	
DELTAPINE 417	11.2	9.9	10.4	1.2	2.3	26	10-18	
LA 79-11123	14.5	15.8	-	-	-	-	-	
TERRA-VIG 727	12.0	14.5	-	-	-	-	-	
COLQUITT	15.1	14.1	-	-	-	-	-	
HARTZ 7126	12.7	13.1	-	-	-	-	-	
RIVERSIDE 757	12.7	11.5	-	-	-	-	-	
WRIGHT	11.8	11.3	-	-	-	-	-	
HARTZ H7190	18.8	-	-	-	-	-	-	
FFR 771	15.0	-	-	-	-	-	-	
PIONEER 9711	11.8	-	-	-	-	-	-	
PIONEER 9791	10.5	-	-	-	-	-	-	
HYPERFORMER HSC-721	8.7	-	-	-	-	-	-	
LATE								
HARTZ 8112	16.4	14.3	13.6	1.2	1.4	24	10-17	
JOHNSTON	14.0	11.3	11.2	1.3	1.5	23	10-17	
COBB	11.6	8.3	9.1	1.2	2.3	28	10-20	
COKER 6738	18.4	15.6	-	-	-	-	-	
F83-1918	8.9	9.4	-	-	-	-	-	
F83-1648	8.9	6.7	-	-	-	-	-	
G83-266	17.5	-	-	-	-	-	-	
AU85-1797	13.9	-	-	-	-	-	-	
CROCKETT	10.4	-	-	-	-	-	-	
DELTAPINE 878	5.3	-	-	-	-	-	-	
TEST MEANS	12.6	13.2	13.0	1.2	1.7	22		
L.S.D. (.05)	6.8	6.0	6.9					
C.V. (%)	38.7	24.8	24.6					

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 12, MAY 20, AND MAY 26,
RESPECTIVELY.

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 1990

BRAND-VARIETY	YIELD PER ACRE		REGIONAL AVERAGE							
	DATE 1	DATE 2	LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
			BU.	BU.	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
VERY EARLY			SCORE	SCORE	SCORE	SCORE	IN.	IN.		
AGRATECH 550	24.8	-	1.3	-	1.8	-	36	-	10-2	-
BEDFORD	24.0	-	1.3	-	1.8	-	37	-	9-24	-
COKER 485	32.0	-	1.5	-	2.0	-	31	-	9-27	-
DELTAPINE 105	25.8	-	1.0	-	2.3	-	37	-	9-24	-
DELTAPINE 415	31.2	-	1.0	-	1.5	-	31	-	9-21	-
FFR 562	28.1	-	1.3	-	2.0	-	38	-	9-26	-
FFR 565	24.8	-	1.0	-	2.0	-	35	-	9-22	-
FORREST	31.1	-	1.0	-	1.5	-	34	-	9-21	-
HARTZ H5240	26.6	-	1.3	-	2.0	-	31	-	9-23	-
HARTZ S164	27.0	-	1.0	-	1.8	-	34	-	9-27	-
HUTCHESON	33.0	-	1.0	-	2.0	-	29	-	9-20	-
NAROW	32.5	-	1.0	-	1.8	-	33	-	9-18	-
PIONEER 9581	26.6	-	1.0	-	2.3	-	29	-	9-22	-
RIVERSIDE 577	27.1	-	1.8	-	2.0	-	35	-	9-23	-
TERRA-VIG 505	26.5	-	1.8	-	2.3	-	34	-	9-27	-
TERRA-VIG 515	31.2	-	1.0	-	1.8	-	36	-	10-3	-
WALTERS	28.2	-	1.0	-	2.0	-	30	-	9-22	-
WILSTAR 550	26.1	-	1.5	-	1.8	-	38	-	9-30	-
EARLY										
AGRATECH 695	24.3	-	2.3	-	2.0	-	39	-	10-8	-
BRIM	26.6	-	1.3	-	3.3	-	39	-	10-2	-
CENTENNIAL	25.4	-	2.0	-	1.5	-	40	-	10-15	-
DAVIS	23.2	19.6	2.0	1.5	3.6	4.8	37	29	10-3	10-10
DELTAPINE X3627	25.3	-	1.3	-	2.0	-	37	-	10-3	-
DELTAPINE 566	31.2	27.3	1.5	1.0	2.0	2.0	39	31	10-12	10-19
DELTAPINE 726	27.7	-	1.5	-	2.0	-	40	-	10-15	-
FFR 646	23.5	-	1.3	-	2.0	-	39	-	10-7	-
FFR 668	29.5	-	1.5	-	2.0	-	38	-	10-16	-
G 81-234 (BRYAN)	29.4	24.3	2.0	1.0	1.8	1.8	39	24	10-12	10-19
HARTZ 6130	-	20.8	-	1.3	-	2.3	-	28	-	10-16
HARTZ 6372	26.4	-	2.0	-	2.0	-	37	-	10-15	-
HARTZ 6686	31.4	-	1.5	-	1.5	-	36	-	10-11	-
HYPERFORMER HSC B2J	20.4	-	1.3	-	2.3	-	37	-	9-27	-
HYPERFORMER SAMPSON	25.4	-	1.5	-	1.0	-	38	-	10-12	-
LEFLORE	24.2	18.5	1.3	1.0	2.0	2.0	40	26	10-9	10-17
PIONEER 9641	26.3	-	1.0	-	3.6	-	36	-	9-30	-
RA 606	22.7	23.4	1.8	1.5	3.3	3.3	40	35	10-1	10-10
RIVERSIDE CAJUN	26.0	-	1.5	-	1.8	-	31	-	10-8	-
RIVERSIDE 699	25.9	-	1.0	-	2.8	-	38	-	10-5	-
SHARKEY	24.9	24.1	2.0	1.8	2.0	2.0	40	32	10-8	10-17
TERRA-VIG 626	18.1	-	1.8	-	3.5	-	38	-	10-1	-
TRACY M	28.8	24.6	2.0	1.8	2.0	2.6	37	28	10-4	10-15
TWIGGS	23.0	-	1.0	-	2.5	-	35	-	9-26	-
YOUNG	23.0	19.5	1.3	1.3	2.8	4.8	38	29	10-1	10-12

CONTINUED ON THE FOLLOWING PAGE

TABLE 10 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 1990

BRAND-VARIETY	YIELD PER ACRE		REGIONAL AVERAGE							
	DATE 1 DATE 2		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.	DATE 1	DATE 2
FULL SEASON										
AGRATECH 700	22.5	-	2.3	-	1.3	-	41	-	10-18	-
BRAXTON	28.8	25.5	1.5	1.0	1.0	1.0	39	26	10-17	10-23
COKER 6727	30.8	28.3	1.0	1.0	1.0	1.0	36	30	10-15	10-23
COKER 6847	29.6	27.0	1.5	1.0	1.3	1.0	38	27	10-19	10-30
COLQUITT	28.7	-	1.5	-	1.0	-	38	-	10-17	-
DELTAPINE 417	26.1	29.1	1.5	1.0	2.0	2.0	41	32	10-16	10-23
FFR 771	28.6	-	1.8	-	1.0	-	40	-	10-17	-
HARTZ H 7110	27.9	-	2.0	-	1.0	-	39	-	10-16	-
HARTZ 7126	22.2	25.9	3.0	1.5	1.8	1.0	41	29	10-15	10-23
HYPERFORMER HSC-721	25.4	-	2.3	-	2.0	-	37	-	10-15	-
LA 79-11123	28.4	-	2.3	-	2.5	-	40	-	10-16	-
PIONEER 9751	29.3	-	1.3	-	1.5	-	38	-	10-15	-
PIONEER 9791	31.7	26.3	1.5	1.0	1.0	1.0	37	25	10-17	10-28
RANSOM	27.0	-	1.5	-	1.8	-	37	-	10-9	-
RIVERSIDE 757	23.5	-	2.5	-	1.0	-	41	-	10-19	-
SC 84-818	25.1	-	1.8	-	1.5	-	39	-	10-17	-
STONEWALL	31.4	27.2	1.5	1.0	2.0	2.0	38	28	10-16	10-24
TERRA-VIG 717	24.4	-	2.0	-	1.3	-	36	-	10-15	-
TERRA-VIG 727	28.6	-	1.3	-	2.0	-	38	-	10-15	-
THOMAS	28.7	20.5	1.5	1.0	2.0	1.0	36	24	10-20	10-28
WRIGHT	26.1	26.4	2.3	1.8	1.0	1.0	39	31	10-16	10-23
LATE										
AU85-1797	28.9	25.1	2.0	1.0	2.0	1.0	40	27	10-19	10-30
COBB	26.2	30.9	2.0	1.5	3.0	1.5	41	34	10-20	10-27
COKER 6738	28.4	29.5	1.8	1.0	1.3	1.0	39	33	10-26	10-29
CROCKETT	24.9	26.4	2.3	2.0	1.0	1.0	37	34	11-5	11-1
F83-1648	22.0	-	2.0	-	2.0	-	39	-	10-17	-
F83-1918	-	19.9	-	1.0	-	1.3	-	29	-	10-25
G83-266	29.3	26.6	1.5	1.0	2.0	1.0	38	26	10-19	10-23
HARTZ 8112	25.3	27.5	1.8	1.0	1.3	1.0	38	26	10-20	10-28
JOHNSTON	28.7	29.5	2.0	1.5	1.3	1.0	38	30	10-17	10-23
KIRBY	25.6	25.9	2.0	1.3	1.0	1.0	38	34	10-26	10-30
TEST MEANS	26.9	25.3	1.6	1.2	1.9	1.7	37	29		
L.S.D. (.05)	4.3	3.5								
C.V. (%)	11.5	9.7								

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							
	1990		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														
NAROW	32.5	-	40.9	-	41.2	-	1.0	-	1.3	-	24	-	9-18	-
TERRA-VIG 515	31.2	-	39.7	-	40.8	-	1.1	-	1.3	-	29	-	9-30	-
COKER 485	32.0	-	40.0	-	40.2	-	1.3	-	1.3	-	26	-	9-27	-
DELTAPINE 105	25.8	-	36.8	-	39.2	-	1.6	-	1.5	-	31	-	9-24	-
TERRA-VIG 505	26.5	-	36.3	-	38.3	-	1.8	-	1.4	-	30	-	9-25	-
WILSTAR 550	26.1	-	35.5	-	38.0	-	1.2	-	1.3	-	28	-	9-27	-
FFR 562	28.1	-	36.4	-	37.0	-	1.4	-	1.3	-	30	-	9-25	-
PIONEER 9581	26.6	-	35.5	-	35.7	-	1.0	-	1.5	-	26	-	9-23	-
FORREST	31.1	-	35.9	-	35.5	-	1.1	-	1.3	-	28	-	9-21	-
BEDFORD	24.0	-	33.6	-	34.7	-	1.6	-	1.3	-	32	-	9-23	-
FFR 565	24.8	-	33.3	-	34.0	-	1.2	-	1.5	-	28	-	9-21	-
DELTAPINE 415	31.2	-	38.6	-	-	-	-	-	1.2	-	-	-	-	-
HARTZ 5164	27.0	-	35.9	-	-	-	-	-	1.3	-	-	-	-	-
HUTCHESON	33.0	-	-	-	-	-	-	-	1.3	-	-	-	-	-
WALTERS	28.2	-	-	-	-	-	-	-	1.3	-	-	-	-	-
RIVERSIDE 577	27.1	-	-	-	-	-	-	-	1.5	-	-	-	-	-
HARTZ H5240	26.6	-	-	-	-	-	-	-	1.3	-	-	-	-	-
AGRATECH 550	24.8	-	-	-	-	-	-	-	1.3	-	-	-	-	-
EARLY														
DELTAPINE 566	31.2	27.3	36.0	19.6	36.8	25.3	1.2	1.0	1.3	1.3	32	27	10-11	10-21
TRACY M	28.8	24.6	35.3	19.6	36.0	22.5	2.1	1.9	1.3	1.5	31	27	10-2	10-16
CENTENNIAL	25.4	-	32.7	-	35.9	-	1.4	-	1.3	-	35	-	10-9	-
SHARKEY	24.9	24.1	29.7	21.6	35.2	-	2.9	-	1.9	1.3	37	-	10-6	-
YOUNG	23.0	19.5	32.1	22.5	34.4	27.3	1.6	1.3	2.3	2.3	34	31	10-1	10-19
RA 606	22.7	23.4	30.6	24.7	34.2	28.1	2.1	1.4	1.8	1.8	35	34	9-28	10-20
DAVIS	23.2	19.6	29.3	23.3	34.1	27.9	1.9	1.6	2.6	2.3	35	31	10-3	10-19
LEFLORE	24.2	18.5	30.5	16.0	33.8	20.7	1.1	1.3	1.4	1.3	33	27	10-7	10-18
RIVERSIDE CAJUN	26.0	-	34.6	-	-	-	-	-	1.4	-	-	-	-	-
RIVERSIDE 699	25.9	-	33.6	-	-	-	-	-	1.7	-	-	-	-	-
PIONEER 9641	26.3	-	32.8	-	-	-	-	-	2.5	-	-	-	-	-
HARTZ 6372	26.4	-	32.7	-	-	-	-	-	1.3	-	-	-	-	-
DELTAPINE 726	27.7	-	32.2	-	-	-	-	-	1.3	-	-	-	-	-
HYPERFORMER HSC B2J	20.4	-	31.5	-	-	-	-	-	1.8	-	-	-	-	-
HYPERFORMER SAMPSON	25.4	-	29.9	-	-	-	-	-	1.2	-	-	-	-	-
HARTZ 5686	31.4	-	-	-	-	-	-	-	1.3	-	-	-	-	-
FFR 568	29.5	-	-	-	-	-	-	-	2.0	-	-	-	-	-
G 81-234 (BRYAN)	29.4	24.3	-	-	-	-	-	-	1.8	1.3	-	-	-	-
BRIM	26.6	-	-	-	-	-	-	-	1.8	-	-	-	-	-
DELTAPINE X3627	25.3	-	-	-	-	-	-	-	1.3	-	-	-	-	-
AGRATECH 695	24.3	-	-	-	-	-	-	-	1.6	-	-	-	-	-
FFR 546	23.5	-	-	-	-	-	-	-	2.0	-	-	-	-	-
TWIGGS	23.0	-	-	-	-	-	-	-	2.2	-	-	-	-	-
TERRA-VIG 626	18.1	-	-	-	-	-	-	-	2.0	-	-	-	-	-
HARTZ 5130	-	20.8	-	19.0	-	23.1	-	1.4	-	1.4	-	29	-	10-17

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							
	1990		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														
STONEWALL	31.4	27.2	36.0	23.6	40.0	-	1.3	-	1.6	1.4	33	-	10-13	-
COKER 6847	29.6	27.0	36.1	-	39.7	-	1.3	-	1.1	1.0	34	-	10-13	-
PIONEER 9791	31.7	26.3	37.3	19.9	39.0	24.0	1.2	1.1	1.0	1.0	31	24	10-12	10-26
COKER 6727	30.8	28.3	34.1	24.0	38.3	27.7	1.0	1.3	1.0	1.0	31	28	10-12	10-22
BRAXTON	28.8	25.5	31.7	19.0	36.3	24.7	1.2	1.2	1.0	1.0	34	29	10-14	10-25
HARTZ H 7110	27.9	-	30.4	-	35.4	-	1.3	-	1.0	-	34	-	10-13	-
RANSOM	27.0	-	32.1	-	34.9	-	1.2	-	1.4	-	31	-	10-10	-
WRIGHT	26.1	26.4	30.7	22.2	34.8	26.1	1.5	1.8	1.0	1.0	36	30	10-13	10-25
HARTZ 7126	22.2	25.9	29.7	23.7	33.0	26.6	1.9	1.8	1.3	1.1	36	31	10-13	10-25
DELTAPINE 417	26.1	29.1	28.1	25.0	32.0	27.6	1.6	1.3	1.7	1.3	40	31	10-14	10-26
TERRA-VIG 717	24.4	-	27.9	-	31.7	-	1.4	-	1.1	-	33	-	10-13	-
PIONEER 9751	29.3	-	33.5	-	-	-	-	-	1.2	-	-	-	-	-
THOMAS	28.7	20.5	33.5	-	-	-	-	-	1.4	1.1	-	-	-	-
TERRA-VIG 727	28.6	-	32.5	-	-	-	-	-	1.3	-	-	-	-	-
COLQUITT	28.7	-	32.5	-	-	-	-	-	1.0	-	-	-	-	-
RIVERSIDE 757	23.5	-	25.7	-	-	-	-	-	1.0	-	-	-	-	-
FFR 771	28.6	-	-	-	-	-	-	-	1.0	-	-	-	-	-
LA 79-11123	28.4	-	-	-	-	-	-	-	1.5	-	-	-	-	-
HYPERFORMER HSC-721	25.4	-	-	-	-	-	-	-	1.8	-	-	-	-	-
SC 84-818	25.1	-	-	-	-	-	-	-	1.2	-	-	-	-	-
AGRATECH 700	22.5	-	-	-	-	-	-	-	1.1	-	-	-	-	-
LATE														
JOHNSTON	28.7	29.5	33.2	29.7	36.2	31.4	1.5	1.5	1.1	1.0	33	29	10-14	10-27
COKER 6738	28.4	29.5	27.3	22.0	31.8	-	1.3	-	1.1	1.1	34	-	10-20	-
HARTZ 8112	25.3	27.5	29.3	23.2	30.7	27.2	1.3	1.2	1.1	1.0	34	29	10-16	10-29
COBB	26.2	30.9	24.8	26.6	26.9	28.6	1.8	1.3	2.4	1.3	39	34	10-21	10-30
KIRBY	25.6	25.9	22.1	23.1	26.0	25.4	1.3	1.3	1.0	1.0	35	30	10-20	10-29
F83-1648	22.0	-	25.3	-	-	-	-	-	1.3	-	-	-	-	-
G83-266	29.3	26.6	-	-	-	-	-	-	1.3	1.0	-	-	-	-
AU85-1797	28.9	25.1	-	-	-	-	-	-	1.3	1.0	-	-	-	-
CROCKETT	24.9	28.4	-	-	-	-	-	-	1.0	1.0	-	-	-	-
F83-1918	-	19.9	-	-	-	-	-	-	-	1.1	-	-	-	-
TEST MEANS	26.9	25.3	32.7	22.4	35.5	26.1	1.4	1.4	1.4	1.3	32	29		
L.S.D. (.05)	4.3	3.5												
C.V. (%)	11.5	9.7												

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, 1990, MAY 23 FOR 2-YEAR (1989-90), AND MAY 24 FOR 3-YEAR (1987 & 1989-90) AVERAGES.

THE PLANTING DATE FOR SECOND PLANTING WAS JUNE 19, 1990, JULY 9 FOR 2-YEAR (1988 & 1990), AND JULY 1 FOR 3-YEAR (1987-88 & 1990) AVERAGES.

TABLE 12. PERFORMANCE OF VERY EARLY PLANTED SOYBEAN VARIETIES AT BREWTON, ALABAMA, 1988-90

BRAND-VARIETY	YIELD PER ACRE			LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	1990	2-YR AV.	3-YR AV.	1990	2-YR AV.	1990	2-YR AV.	1990	2-YR AV.	1990	2-YR AV.
	BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY											
DELTAPINE 105	34.4	41.3	40.8	1.0	1.1	0.0	-	25	27	9-3	9-3
PIONEER 9591	31.8	35.0	37.3	1.0	1.0	0.0	-	18	19	9-4	9-4
COKER 485	30.5	34.9	36.6	1.0	1.0	0.0	-	22	23	9-10	9-10
HARTZ 5164	29.2	33.8	36.0	1.0	1.0	0.0	-	22	23	9-9	9-9
DELTAPINE 415	28.5	32.3	34.8	1.0	1.0	0.0	-	19	21	8-27	8-27
FFR 562	28.9	32.6	34.1	1.0	1.0	0.0	1.5	23	24	9-7	9-7
TERRA-VIG 515	24.3	30.2	33.4	1.0	1.0	0.0	-	21	23	9-15	9-15
FORREST	30.8	33.6	33.0	1.0	1.0	0.0	-	23	23	8-28	8-28
FFR 565	26.4	30.3	32.6	1.0	1.0	0.0	-	22	23	9-1	9-1
PIONEER 9581	26.8	27.7	30.6	1.0	1.0	0.0	-	20	20	8-29	8-29
RIVERSIDE 577	32.9	38.0	-	1.0	1.1	0.0	1.5	22	24	9-2	9-2
HUTCHESON	23.6	33.1	-	1.0	1.0	0.0	1.5	17	18	9-3	9-3
HARTZ H5240	33.6	-	-	1.0	-	0.0	-	19	-	8-28	-
COKER 6955	33.5	-	-	1.0	-	0.0	-	20	-	8-23	-
WALTERS	25.2	-	-	1.0	-	0.0	-	18	-	8-29	-
AGRATECH 550	25.1	-	-	1.0	-	0.0	-	25	-	9-8	-
EARLY											
RA 606	28.8	35.7	36.8	1.0	1.1	0.0	-	26	27	9-11	9-11
YOUNG	27.5	36.7	36.8	1.0	1.1	0.0	-	26	26	9-13	9-13
SHARKEY	20.7	31.3	33.8	1.0	1.3	0.0	-	29	31	9-18	9-18
DAVIS	24.5	32.8	33.0	1.0	1.8	0.0	-	25	29	9-13	9-13
N.K. 569-54	17.9	24.4	29.7	1.0	1.0	0.0	-	18	19	9-21	9-21
LEFLORE	17.3	24.9	29.5	1.0	1.0	0.0	-	18	20	9-22	9-22
PIONEER 9691	15.0	23.0	27.2	1.0	1.0	0.0	-	18	20	9-22	9-22
HARTZ 6130	20.8	28.8	-	1.0	1.0	0.0	-	23	24	9-15	9-15
HARTZ 6372	17.3	26.6	-	1.0	1.0	0.0	-	19	21	9-21	9-21
LLOYD	17.2	26.2	-	1.0	1.0	0.0	-	23	24	9-21	9-21
G 81-234 (BRYAN)	17.3	24.3	-	1.0	1.0	0.0	-	17	19	9-24	9-24
DELTAPINE 726	16.1	23.8	-	1.0	1.0	0.0	-	19	21	9-22	9-22
FFR 568	13.4	21.8	-	1.0	1.0	0.0	-	17	19	9-23	9-23
HARTZ 6200	28.0	-	-	1.0	-	0.0	-	23	-	9-9	-
FFR 546	22.6	-	-	1.0	-	0.0	-	22	-	9-14	-
FULL SEASON											
STONEWALL	15.1	-	-	1.0	-	0.0	-	18	-	9-22	-
TEST MEANS	24.5	30.5	33.9	1.0	1.1	0.0	1.5	21	23		
L.S.D. (.05)	4.6										
C.V. (%)	13.3										

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; FULL SEASON = MATURITY GROUP VII.
 THE PLANTING DATE FOR THE EARLY PLANTING WAS APRIL 25, 1990, APRIL 26, 1989, AND APRIL 28, 1988.

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES FROM STANDARD AND LATE PLANTING
AT BREWTON, ALABAMA, 1990

BRAND-VARIETY	YIELD PER ACRE		REGIONAL AVERAGE							
	DATE 1 DATE 2		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.	DATE 1	DATE 2
<u>VERY EARLY</u>										
COKER 485	27.9	-	1.0	-	1.0	-	26	-	9-16	-
DELTAPINE 105	30.2	-	1.0	-	1.0	-	29	-	9-16	-
DELTAPINE 415	30.1	-	1.0	-	1.0	-	27	-	9-12	-
FFR 565	25.2	-	1.0	-	1.0	-	29	-	9-14	-
FORREST	24.1	-	1.0	-	1.0	-	26	-	9-11	-
HARTZ H5240	30.7	-	1.0	-	1.0	-	25	-	9-12	-
HARTZ 5164	29.8	-	1.0	-	1.0	-	29	-	9-16	-
HUTCHESON	33.8	-	1.0	-	1.0	-	23	-	9-13	-
PIONEER 9591	25.7	-	1.0	-	1.0	-	18	-	9-15	-
RIVERSIDE 577	26.4	-	1.5	-	1.0	-	30	-	9-13	-
TERRA-VIG 515	21.9	-	1.0	-	1.0	-	29	-	9-18	-
<u>EARLY</u>										
DAVIS	24.1	12.4	1.3	1.0	1.0	4.0	34	26	9-21	10-4
DELTAPINE 506	16.8	-	1.3	-	1.0	-	33	-	10-1	-
DELTAPINE 566	17.9	-	1.0	-	1.0	-	27	-	10-4	-
DELTAPINE 726	17.4	-	1.0	-	1.0	-	30	-	10-5	-
FFR 668	15.4	13.0	1.0	1.0	1.0	1.0	28	24	10-3	10-6
G 81-234 (BRYAN)	18.8	-	1.0	-	1.0	-	30	-	10-2	-
HARTZ 6130	21.4	13.5	1.0	1.0	1.0	1.5	31	25	9-25	10-1
HARTZ 6200	26.9	-	1.0	-	1.0	-	30	-	9-16	-
HARTZ 6686	24.9	-	1.0	-	1.0	-	28	-	9-29	-
HYPERFORMER HSC B2J	25.2	-	1.0	-	1.0	-	27	-	9-19	-
LEFLORE	20.1	-	1.0	-	1.0	-	28	-	10-1	-
LLOYD	19.1	-	1.0	-	1.0	-	33	-	10-1	-
N.K. 369-54	23.9	14.2	1.0	1.0	1.0	1.0	30	24	9-29	10-6
PIONEER 9641	29.4	-	1.0	-	2.0	-	29	-	9-23	-
PIONEER 9691	20.7	14.2	1.0	1.0	1.0	1.0	29	24	10-3	10-5
RA 606	26.4	14.7	1.0	1.0	1.0	2.3	32	29	9-19	10-2
RA 680	19.5	-	1.0	-	1.0	-	29	-	9-29	-
SHARKEY	22.1	11.7	2.0	1.0	1.0	1.5	37	28	9-28	10-3
TERRA-VIG 616	20.9	14.4	1.8	1.0	1.0	1.0	34	23	10-3	10-7
YOUNG	25.8	13.3	1.3	1.0	1.0	4.8	32	26	9-23	10-2

CONTINUED ON THE FOLLOWING PAGE

TABLE 13 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES FROM STANDARD AND LATE PLANTING
AT BREWTON, ALABAMA, 1990

BRAND-VARIETY	YIELD PER ACRE		REGIONAL 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.		
FULL SEASON										
BRAXTON	19.3	-	1.0	-	1.0	-	34	-	10-5	-
COKER 6727	18.1	12.6	1.0	1.0	1.0	1.0	27	21	10-5	10-14
COKER 6847	16.8	-	1.0	-	1.0	-	32	-	10-7	-
DELTAPINE 417	14.0	16.6	1.3	1.0	1.0	1.0	42	30	10-9	10-11
FFR 771	19.9	-	1.0	-	1.0	-	36	-	10-5	-
GASOY 17	12.1	10.4	1.0	1.0	1.0	1.0	35	24	10-7	10-10
HARTZ H7585	16.2	-	1.0	-	1.3	-	22	-	10-4	-
HARTZ 7126	13.8	12.5	1.0	1.0	1.0	1.0	30	26	10-1	10-8
PIONEER 9751	16.3	15.5	1.0	1.0	1.0	1.0	30	23	10-7	10-15
PIONEER 9791	20.5	13.3	1.0	1.0	1.0	1.0	27	23	10-4	10-13
RIVERSIDE 757	11.1	15.6	1.5	1.0	1.0	1.0	36	30	10-9	10-28
STONEWALL	18.8	12.0	1.0	1.0	1.0	1.0	29	23	10-3	10-11
TERRA-VIG 717	12.7	14.9	1.0	1.0	1.0	1.0	29	23	10-7	10-12
THOMAS	15.1	-	1.0	-	1.0	-	28	-	10-7	-
WRIGHT	14.7	-	1.0	-	1.0	-	33	-	10-6	-
FULL SEASON, LATE										
AUB5-1797	13.9	-	1.0	-	1.0	-	33	-	10-10	-
COBB	13.9	13.4	1.8	1.0	1.0	1.0	37	29	10-18	10-24
COKER 368	-	14.6	-	1.0	-	1.0	-	26	-	10-24
COKER 6738	15.3	17.1	1.0	1.0	1.0	1.0	32	26	10-16	10-21
CROCKETT	16.2	12.8	1.8	1.0	1.0	1.0	36	27	10-28	10-24
DELTAPINE 878	11.8	11.5	1.0	1.0	1.0	1.0	34	25	10-19	10-22
FOSTER	-	14.8	-	1.0	-	1.0	-	25	-	10-20
F83-1648	8.3	-	1.0	-	1.0	-	36	-	10-13	-
HARTZ 8112	10.1	13.8	1.0	1.0	1.0	1.0	31	25	10-7	10-19
HARTZ 9000	11.3	-	2.3	-	1.0	-	43	-	10-23	-
JOHNSTON	13.8	9.3	1.0	1.0	1.0	1.0	29	22	10-6	10-21
KIRBY	12.4	14.6	1.0	1.0	1.0	1.0	31	26	10-19	10-23
TEST MEANS	19.8	13.6	1.1	1.0	1.0	1.3	31	25		
L.S.D. (.05)	3.7	3.5								
C.V. (%)	13.5	18.2								

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 AT BREWTON, ALABAMA, 3-YEAR SUMMARY, 1988-90

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1990		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	30.2	-	28.7	-	29.8	-	1.2	-	1.0	-	27	-	10-1	-
TERRA-VIG 515	21.9	-	22.5	-	26.1	-	1.1	-	1.0	-	30	-	10-11	-
COKER 485	27.9	-	22.0	-	25.2	-	1.3	-	1.0	-	26	-	10-11	-
FORREST	24.1	-	19.3	-	23.1	-	1.3	-	1.0	-	26	-	10-1	-
FFR 565	25.2	-	19.3	-	-	-	-	-	-	-	-	-	-	-
HUTCHESON	33.8	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H5240	30.7	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 415	30.1	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 5164	29.8	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 577	26.4	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9591	25.7	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
DAVIS	24.1	12.4	26.5	26.5	30.0	29.1	1.7	1.1	1.0	2.5	32	26	10-15	10-17
N.K. 569-54	23.9	14.2	27.1	23.7	29.9	23.9	1.3	1.0	1.0	1.0	27	22	10-18	10-13
RA 580	19.5	-	24.4	-	29.8	-	1.2	-	1.0	-	29	-	10-11	-
FFR 668	16.4	13.0	23.7	26.1	29.7	-	1.1	-	1.0	-	29	-	10-16	-
RA 606	26.4	14.7	27.0	26.2	29.4	26.5	1.3	1.0	1.0	1.6	31	26	10-7	10-12
PIONEER 9691	20.7	14.2	24.1	24.2	29.3	-	1.1	-	1.0	-	28	-	10-16	-
TERRA-VIG 616	20.9	14.4	23.7	23.7	28.6	24.0	1.3	1.0	1.0	1.0	32	22	10-16	10-17
HARTZ 6130	21.4	13.5	25.4	21.0	28.6	-	1.1	-	1.0	-	29	-	10-7	-
LEFLORE	20.1	-	23.2	-	28.4	-	1.1	-	1.0	-	29	-	10-12	-
HARTZ 6200	26.9	-	26.4	-	28.0	-	1.3	-	1.0	-	29	-	10-2	-
SHARKEY	22.1	11.7	24.5	21.0	27.7	22.1	1.8	1.3	1.0	1.3	33	26	10-16	10-13
DELTAPINE 566	17.9	-	22.5	-	27.4	-	1.1	-	1.0	-	29	-	10-18	-
DELTAPINE 506	16.8	-	22.2	-	26.5	-	1.3	-	1.0	-	30	-	10-15	-
HARTZ 6686	24.9	-	30.1	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 726	17.4	-	24.5	-	-	-	-	-	-	-	-	-	-	-
LLOYD	19.1	-	24.4	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9641	29.4	-	-	-	-	-	-	-	-	-	-	-	-	-
YOUNG	25.8	13.3	-	-	-	-	-	-	-	-	-	-	-	-
HYPERFORMER HSC B2J	25.2	-	-	-	-	-	-	-	-	-	-	-	-	-
G 81-234 (BRYAN)	18.8	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 14 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, 3-YEAR SUMMARY, 1988-90

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1990		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														
FFR 771	19.9	-	27.3	-	31.4	-	1.1	-	1.0	-	35	-	10-21	-
PIONEER 9791	20.5	13.3	24.5	-	31.1	-	1.2	-	1.0	-	25	-	10-15	-
COKER 6847	16.8	-	24.9	-	30.0	-	1.1	-	1.0	-	34	-	10-19	-
STONEWALL	18.8	12.0	25.6	25.4	29.9	25.5	1.2	1.0	1.0	1.0	30	22	10-13	10-19
BRAXTON	19.3	-	23.0	-	29.1	-	1.0	-	1.0	-	31	-	10-23	-
WRIGHT	14.7	-	23.9	-	29.0	-	1.4	-	1.0	-	32	-	10-18	-
TERRA-VIG 717	12.7	14.9	22.6	26.1	28.8	27.0	1.3	1.3	1.0	1.0	30	22	10-21	10-20
COKER 6727	18.1	12.6	22.5	25.9	28.7	27.0	1.1	1.0	1.0	1.0	29	21	10-14	10-19
DELTAPINE 417	14.0	16.6	21.4	27.9	28.3	28.3	1.5	1.3	1.0	1.0	35	26	10-22	10-21
HARTZ 7126	13.8	12.5	18.6	27.4	27.1	29.2	1.3	1.0	1.0	1.0	28	25	10-13	10-20
GASOY 17	12.1	10.4	20.3	23.3	27.1	25.6	1.6	1.0	1.0	1.0	34	22	10-24	10-18
PIONEER 9751	16.3	15.5	24.6	24.8	-	-	-	-	-	-	-	-	-	-
RIVERSIDE 757	11.1	15.6	22.7	-	-	-	-	-	-	-	-	-	-	-
THOMAS	16.1	-	22.3	-	-	-	-	-	-	-	-	-	-	-
HARTZ H7585	16.2	-	-	-	-	-	-	-	-	-	-	-	-	-
FULL SEASON, LATE														
JOHNSTON	13.8	9.3	25.7	20.9	31.0	23.5	1.1	1.0	1.0	1.0	30	22	10-21	10-25
COBB	13.9	13.4	24.7	25.5	30.6	28.2	1.5	1.1	1.0	1.0	36	27	10-29	10-31
COKER 6738	15.3	17.1	22.8	24.2	29.4	-	1.0	-	1.0	-	32	-	10-23	-
KIRBY	12.4	14.6	19.6	24.2	27.0	23.6	1.2	1.0	1.0	1.0	32	24	10-25	10-27
HARTZ 8112	10.1	13.8	20.2	25.8	26.4	26.2	1.0	1.0	1.0	1.0	31	23	10-24	10-25
DELTAPINE 878	11.8	11.5	23.9	24.4	-	-	-	-	-	-	-	-	-	-
F83-1648	8.3	-	21.4	-	-	-	-	-	-	-	-	-	-	-
CROCKETT	16.2	12.8	-	-	-	-	-	-	-	-	-	-	-	-
AU85-1797	13.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 9000	11.3	-	-	-	-	-	-	-	-	-	-	-	-	-
COKER 368	-	14.6	-	24.5	-	24.6	-	1.0	-	1.0	-	24	-	10-25
FOSTER	-	14.8	-	23.5	-	23.5	-	1.0	-	1.0	-	22	-	10-25
TEST MEANS	19.8	13.6	23.7	24.6	28.6	25.8	1.3	1.1	1.0	1.1	30	24		
L.S.D. (.05)	3.7	3.5	7.5		7.2									
C.V. (%)	13.5	18.2	22.8		18.2									

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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 21, AND MAY 20 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES,
 RESPECTIVELY, AND SECOND PLANTING DATE WAS JUNE 26, JUNE 24, AND JULY 1, RESPECTIVELY.

TABLE 15. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1990

BRAND-VARIETY	YIELD PER ACRE		AVERAGE				PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	LODGING		SHATTERING		DATE 1	DATE 2	DATE 1	DATE 2
	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY										
WALTERS	28.7	-	1.3	-	1.5	-	36	-	9-26	-
COKER 485	28.6	-	1.3	-	1.5	-	32	-	9-27	-
HUTCHESON	28.4	-	1.0	-	1.8	-	30	-	9-24	-
COKER 6955	27.7	-	1.3	-	1.0	-	35	-	9-24	-
HARTZ 5164	27.7	-	2.3	-	1.8	-	36	-	10-1	-
FFR 562	27.6	-	2.0	-	1.3	-	38	-	9-29	-
DELTAPINE 105	25.7	-	3.0	-	2.0	-	32	-	9-28	-
AGRATECH 550	25.3	-	2.0	-	1.0	-	37	-	10-1	-
PIONEER 9581	24.9	-	1.8	-	1.8	-	35	-	9-25	-
FORREST	24.2	-	1.5	-	1.5	-	38	-	9-25	-
HYPERFORMER HSC579	22.3	-	1.5	-	1.8	-	37	-	9-27	-
DELTAPINE 415	21.7	-	2.5	-	1.5	-	34	-	9-25	-
EARLY										
TWIGGS	27.8	-	1.0	-	1.3	-	36	-	9-28	-
FFR 606	27.6	-	2.3	-	2.0	-	42	-	9-29	-
G83-198	26.9	-	1.0	-	1.8	-	33	-	10-7	-
N.K. 569-54	26.6	-	1.0	-	1.0	-	36	-	10-11	-
YOUNG	26.4	26.0	1.8	1.0	4.3	1.0	40	20	10-2	10-27
PIONEER 9681	26.2	-	1.0	-	1.3	-	38	-	10-9	-
LLOYD	26.0	-	1.3	-	1.5	-	42	-	10-9	-
LEFLORE	25.5	10.7	1.0	1.0	2.0	1.0	40	14	10-9	10-21
DELTAPINE X3627	25.2	-	1.3	-	1.0	-	40	-	10-2	-
BRIM	25.1	-	1.0	-	3.8	-	39	-	10-2	-
PIONEER 9691	24.1	-	2.5	-	1.8	-	41	-	10-10	-
SHARKEY	23.9	18.9	2.0	1.0	2.3	2.3	45	20	10-11	10-21
HARTZ 6372	23.5	16.8	1.0	1.0	1.3	1.0	38	15	10-13	10-22
G 81-234 (BRYAN)	23.1	-	1.0	-	1.8	-	42	-	10-15	-
DAVIS	21.7	26.1	1.3	1.0	4.3	1.0	40	21	10-4	10-27
DELTAPINE 506	21.1	17.5	3.3	1.0	1.0	1.0	42	17	10-10	10-22
FFR 668	20.9	-	1.0	-	1.3	-	39	-	10-14	-
DELTAPINE 726	20.8	14.3	1.3	1.0	1.3	1.0	35	13	10-15	10-24
TRACY M	20.5	13.0	1.3	1.0	2.0	2.0	36	15	10-4	10-19
TERRA-VIG 616	20.4	-	1.8	-	1.8	-	42	-	10-16	-
HYPERFORMER SAMPSON	20.0	-	1.5	-	1.3	-	36	-	10-14	-
RA 680	19.8	-	1.0	-	1.3	-	41	-	10-13	-
HARTZ 6686	19.7	20.5	1.0	1.0	1.5	1.0	35	16	10-11	10-24

CONTINUED ON THE FOLLOWING PAGE

TABLE 15 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1990

BRAND-VARIETY	YIELD PER ACRE		LODGING		SHATTERING		AVERAGE 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.		
FULL SEASON										
HARTZ H7190	25.5	-	1.0	-	1.0	-	37	-	10-8	-
BRAXTON	24.3	16.2	1.0	1.0	1.5	1.0	42	14	10-16	10-24
COKER 6727	23.1	12.5	1.0	1.0	1.0	1.0	39	14	10-13	10-21
RIVERSIDE 757	22.4	-	1.5	-	2.0	-	48	-	10-19	-
HYPERFORMER HSC-721	20.8	-	2.5	-	1.3	-	39	-	10-12	-
THOMAS	20.7	14.3	1.0	1.0	1.8	1.0	41	14	10-18	10-25
RANSOM	20.2	19.0	1.0	1.0	1.0	1.3	40	16	10-8	10-23
HARTZ 7126	19.6	18.4	2.3	1.0	2.3	1.0	44	14	10-11	10-25
WRIGHT	19.4	-	1.0	-	1.5	-	38	-	10-13	-
TERRA-VIG 717	19.3	13.1	1.8	1.0	1.3	1.0	37	13	10-18	10-27
PIONEER 9791	19.3	10.2	1.0	1.0	1.8	1.0	37	13	10-15	10-27
SC 84-818	19.1	-	1.0	-	1.0	-	42	-	10-19	-
COLQUITT	19.0	-	1.3	-	1.5	-	42	-	10-17	-
PIONEER 9751	18.7	15.1	1.0	1.0	1.3	1.0	41	15	10-19	10-26
PIONEER 9711	18.6	-	3.3	-	1.3	-	35	-	10-15	-
STONEWALL	18.6	15.2	1.0	1.0	2.5	1.0	41	16	10-13	10-24
COKER 6847	18.5	-	1.0	-	1.3	-	40	-	10-17	-
FFR 771	17.7	-	1.0	-	1.3	-	44	-	10-18	-
HARTZ H 7110	17.5	-	1.8	-	1.3	-	41	-	10-15	-
GORDON	16.6	-	1.0	-	2.8	-	38	-	10-13	-
LA 79-11123	15.0	-	1.3	-	1.8	-	42	-	10-15	-
DELTAPINE 417	13.8	-	1.3	-	2.0	-	46	-	10-17	-
FULL SEASON, LATE										
COKER 6738	24.2	17.6	1.0	1.0	1.0	1.0	43	15	10-19	10-26
FOSTER	21.2	-	1.5	-	1.3	-	41	-	10-17	-
F83-1918	20.8	-	1.0	-	1.3	-	37	-	10-17	-
NEW NK S85-30	20.3	17.5	1.0	1.0	1.0	1.0	46	15	10-21	10-29
HARTZ 8112	18.6	17.0	1.3	1.0	1.0	1.0	45	15	10-17	10-27
HARTZ HX8448	18.4	-	1.5	-	2.0	-	41	-	10-18	-
F83-1648	18.2	-	1.5	-	1.0	-	45	-	10-18	-
KIRBY	17.3	13.7	1.0	1.0	1.0	1.0	38	14	10-20	10-27
COKER 368	17.2	16.8	1.3	1.0	1.0	1.0	44	14	10-20	10-28
JOHNSTON	16.2	15.9	1.5	1.0	1.0	1.0	40	13	10-14	10-26
DELTAPINE 878	16.0	19.8	1.0	1.0	1.0	1.0	44	15	10-22	10-29
HARTZ 9000	15.7	-	1.5	-	1.5	-	48	-	10-22	-
COBB	15.5	22.9	1.3	1.0	1.8	1.0	43	18	10-18	10-31
CROCKETT	14.9	22.9	2.0	1.0	1.0	1.0	42	24	10-30	10-30
HARTZ HX8558	14.1	-	2.8	-	2.8	-	42	-	10-19	-
TEST MEANS										
L.S.D. (.05)	4.8	5.0								
C.V. (%)	15.9	20.5								

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

TABLE 17. PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS, 1990

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN	CENTRAL	SOUTHERN
	(BELLE MINA)	(PRATTVILLE)	(MONROEVILLE)
	BU.	BU.	BU.
GROUP IV			
DELROY 4900	37.3	-	-
PERSHING	38.1	-	-
RHODES	37.1	-	-
GROUP V			
AGRATECH 575	-	9.4	14.2
BAY	-	-	9.8
BUCKSHOT 507	51.6	9.0	-
COKER 6955	-	17.0	13.7
DELTAPINE X2568	50.8	13.8	-
ESSEX	51.5	-	-
FFR 499	42.6	18.0	-
FFR 561	-	-	12.3
FFR 562	-	12.8	-
FORREST	51.8	13.9	11.4
HARTZ HX5258	-	16.0	12.1
HARTZ HX5442	37.5	-	-
HARTZ HX5566	46.6	-	-
HARTZ HX5668	47.1	-	-
HARTZ H85-874	32.8	-	-
HARTZ H87-12547	43.8	-	-
HARTZ M83-1010	46.0	-	-
HARTZ M83-1914	43.8	-	-
HUTCHESON	51.1	14.8	13.6
HYPERFORMER HB 89-132	50.9	11.1	-
HYPERFORMER HB 89-167B	48.6	11.3	-
HYPERFORMER HB 89-676	49.0	7.6	-
HYPERFORMER HSC 579	-	9.2	9.1
MAROW	-	-	10.6
PIONEER 9582	-	12.4	12.1
PIONEER 9591	-	18.3	-
PIONEER 9592	-	10.3	14.6
RIVERSIDE 267B	38.1	11.7	-
RIVERSIDE 577	-	16.4	-
RIVERSIDE 672B	46.9	15.6	-
TERRA-VIG X-5559	41.8	-	-
TERRA-VIG X-5567	55.2	-	-
TERRA-VIG 505	-	-	15.0
TN 5-85	-	-	12.5
TOANA	-	-	14.2

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TABLE 17 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS, 1990

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN	CENTRAL	SOUTHERN
	(BELLE MINA)	(PRATTVILLE)	(MONROEVILLE)
	BU.	BU.	BU.
GROUP VI			
AGRATECH 695	-	8.0	9.3
BRYAN	-	7.3	-
BUCKSHOT 603	33.3	8.9	10.3
DELTAPINE X 3627	43.6	10.8	13.8
DELTAPINE X 3680	32.8	7.7	9.6
EHJU 11	31.0	9.2	10.6
EHJU 5	37.6	7.6	-
EHJU 7	33.1	10.6	15.6
EHJU 9	35.7	12.8	-
FFR 36578	37.2	8.9	-
FFR 606	26.9	17.8	11.8
FFR 646	-	12.0	9.6
FFR 695	-	-	9.7
G83-198	-	9.6	13.6
HARTZ HX6797	30.7	6.8	-
HARTZ H85-2503	29.1	11.6	-
HARTZ H87-14847	33.3	10.5	-
HARTZ 6372	33.4	8.8	11.1
HYPERFORMER HB 89-147B	38.5	9.1	-
HYPERFORMER HB 90-623	39.1	10.9	-
HYPERFORMER HB 90-682	33.8	7.0	-
LA 77-9729	37.0	7.4	12.1
LAMAR	-	8.4	10.1
LEFLORE	35.8	8.1	11.4
NEW NK S 61-89	34.5	-	-
NEW NK S 64-23	31.7	-	-
PIONEER 9641	-	14.7	-
PIONEER 9681	37.0	10.2	-
RIVERSIDE CAJUN	-	-	8.8
RIVERSIDE 626B	35.2	9.6	9.4
RIVERSIDE 677	-	-	10.0
RIVERSIDE 696	-	-	9.7
RIVERSIDE 699	48.2	17.2	10.5
SHARKEY	33.3	9.9	9.8
TERRA-VIG X-6629	31.2	10.1	8.9
TERRA-VIG 626	-	9.5	13.1
UAP X27	-	-	10.7

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TABLE 17 (CONTINUED). PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS, 1990

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN (BELLE MINA)	CENTRAL (PRATTVILLE)	SOUTHERN (MONROEVILLE)
	BU.	BU.	BU.
GROUP VII			
AGRATECH 700	-	-	9.1
BRAXTON	33.2	-	12.0
BUCKSHOT 703	-	7.3	8.0
COLQUITT	-	9.1	11.2
DELTAPINE X3720	-	7.7	10.0
DELTAPINE X3776	-	9.6	9.7
EHJU 1P	-	9.5	13.0
EHJU 1W	-	-	11.0
EHJU 3	-	9.0	6.6
HARTZ H 7190	-	9.5	8.7
HARTZ H 7585	-	8.5	7.5
HARTZ H 87-16113	-	8.7	9.9
HARTZ HX 7788	-	7.9	7.4
HARTZ 7110	-	-	10.4
HARTZ 7126	38.2	-	-
HYPERFORMER HSC-721	38.5	6.3	11.2
LA 7911123	-	8.0	10.0
PIONEER 9711	-	8.5	11.4
PIONEER 9791	40.5	-	-
RALLY	-	-	10.1
RANSOM	39.9	-	-
SC 84-818	-	-	10.4
STONEWALL	37.6	8.6	10.1
TERRA-VIG 727	-	11.8	10.1
GROUP VIII			
AGRATECH X1805	-	7.4	10.5
CROCKETT	-	-	7.1
DELTAPINE X2327	-	8.5	10.3
F83-1918	-	8.1	7.9
G83-266	-	-	10.5
HARTZ HX8448	-	7.3	9.8
HARTZ HX8558	-	8.7	10.1
HYPERFORMER HB90-741	-	9.1	11.9
KIRBY	-	7.7	9.2
NEW NK 585-30	-	7.8	11.0
GROUP IX			
HARTZ 9000	-	-	7.2
TEST MEANS	39.6	10.3	10.7
L.S.D. (0.05)	10.7	4.2	3.4
C.V. (%)	19.4	28.9	22.7

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

RECOMMENDED SOYBEAN VARIETIES FOR 1991

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> (Late Plantings)
Coker 485	Bryan	*Braxton
Deltapine 105	Centennial	Hartz H 7126
Deltapine 415	Coker RA 606	Pioneer 9791
FFR 561	Hartz H 6686	Stonewall
FFR 565	Hartz H 6200	
Forrest	Leflore	
Hartz H 5164	NK S69-54	
Hutcheson	Pioneer 9691	
Pioneer 9581	**Pioneer 9641	
Pioneer 9591	**Riverside Cajun	
Riverside 577	Sharkey	
Terra-Vig 515	Tracy M	

Central Alabama^{1/}

<u>Very early</u>	<u>Early</u>	<u>Full season</u>	<u>Late</u>
Coker 485	Coker RA 606	*Braxton	Cobb
Deltapine 105	Coker RA 680	Coker 6727	Coker 368
Forrest	*Davis	FFR 771	Coker 6738
Terra-Vig 515	FFR 668	*GaSoy 17	Foster
	Leflore	Hartz H 7126	Johnston
	Pioneer 9691	Terra-Vig 717	
	Riverside 696	Wright	
	*Tracy M		
	*Young		

^{1/}Recommendations for central Alabama have not changed due to low yields in 1989 & 1990.

(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	Coker 6738
Deltapine 105	Davis	Coker 6727	Hartz H 8112
**Deltapine 415	Deltapine 566	Coker 6847	Johnston
FFR 562	Leflore	Hartz H 7110	
Narrow	**Riverside Cajun	Hartz H 7126	
Terra-Vig 505	Sharkey	Pioneer 9791	
Terra-Vig 515	Tracy M	Ransom	
Wilstar 550	Young	Stonewall	

Southern Alabama

<u>Very early</u> (Early May Plantings)	<u>Early</u>	<u>Full season</u>	<u>Late</u>
Coker 485	Coker RA 606	Braxton	Cobb
Deltapine 105	Coker RA 680	Coker 6727	*Coker 6738
Deltapine 415	Davis	Coker 6847	Johnston
Hartz H 5164	FFR 668	FFR 771	
Pioneer 9591	*Leflore	*CaSoy 17	
**Riverside 577	NK S69-54	Pioneer 9791	
	Sharkey	Stonewall	
	Terra-Vig 616	Terra-Vig 717	
	Young		

Baldwin-Mobile

<u>Very early</u>	<u>Early</u>	<u>Full season</u>	<u>Full season, late</u>
Coker 485	Hartz H 6372	Braxton	Coker 368
Deltapine 105	Hartz H 6686	Coker 6727	Coker 6738
FFR 562	Leflore	Coker 6847	Hartz H 8112
Forrest	NK S69-54	Hartz H 7126	Johnston
Hartz H 5164	Sharkey	Pioneer 9791	
Pioneer 9581	Twiggs	Riverside 757	
		Stonewall	
		Thomas	

*If present trend continues, these varieties will be dropped from recommended list.
**Recommended based on an exceptional 2-year average.

