Performance of Soybean Varieties in Alabama, 1985

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Alabama Agricultural Experiment Station Auburn University
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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, 1985

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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:

Region	Location
Northern	Belle Mina, Crossville
Central	Camden, Prattville
Southern	Brewton, Headland, Monroeville
Black Belt soils	Marion Junction
Baldwin-Mobile	Fairhope

A standard test is grown at each location. In addition, a date of planting test is grown in each region and preliminary tests are grown in the northern, central, and southern regions. The preliminary test contains 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.

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[1] Respectively, Professor, Associate Professor, and Research Associate (resigned) 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 was harvested for yield. Seeding rate was 60 pounds per acre. The preliminary tests were planted in a randomized complete block design with three replications.

Two planting dates were used for the standard tests at Crossville, Prattville, Brewton, Marion Junction (Vaiden soil), and Fairhope. Results are reported by planting date in the tables, with Date 1 being the early planting and Date 2 the later planting.

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 - all plants down.

Shattering was rated 1 to 5 and was based on performance of the border row 14 days after maturity. A rating of 1 indicates no 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 brown. Harvest was approximately 7 to 10 days later.

COMPARING VARIETIES

To aid in determining a 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 1985 test, and 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 and Alabama Cooperative Extension Service personnel involved in soybean research reviewed the past 3 years of soybean variety test data to assemble the list of acceptable varieties on page 34.

The recommended 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	L. A. Smith (retired) H. W. Grimes
Brewton and Monroeville Experiment Fields Brewton and Monroeville	J. R. Akridge
Gulf Coast Substation Fairhope	E. L. Carden
Lower Coastal Plain Substation Camden	J. A. Little
Prattville Experiment Field Prattville	D. P. Moore
Sand Mountain Substation Crossville	J. T. Eason M. E. Ruf
Tennessee Valley Substation Belle Mina	W. B. Webster V. H. Calvert, II
Wiregrass Substation Headland	H. W. Ivey Larry Wells

Appreciation is also expressed to W. H. Hearn, C. Jacks, and Mrs. Sally Bagwell, Research Data Analysis, for the computation and analysis of the data in this report.

Table 1. Entries and Sources for 1985

AgraTech Seeds, Inc. Ashburn, Georgia	AgraTech brand varieties
Alabama Crop Improvement Association Auburn, Alabama	Bragg Braxton Centennial Cobb Davis Essex Kirby Tracy M
Asgrow Seed Company Kalamazoo, Michigan	Asgrow brand varieties
Delta and Pine Land Company Scott, Mississippi	Deltapine brand varieties
Delta Branch Experiment Station Stoneville, Mississippi	Bedford Leflore
Department of Agronomy and Soils Auburn, Alabama	Hutton
Edisto Experiment Station Blackville, South Carolina	Govan
FFR Cooperative Bells, Tennessee	FFR brand varieties
Georgia Seed Development Commission Athens, Georgia	Duocrop GaSoy 17 Wright
Helena Chemical Company Memphis, Tennessee	Sampson Shiloh Starr Sumter Wilstar brand varieties
Jacob Hartz Seed Company, Inc. Stuttgart, Arkansas	Hartz brand varieties
Mississippi Foundation Seed Stocks Mississippi State, Mississippi	Forrest
Missouri Crop Improvement Association Columbia, Missouri	Bradley Pershing

(continued on following page)

Table 1. (continued) Entries and Sources for 1985

North Carolina State University Raleigh, North Carolina	Johnston Young
Northrup King Company Columbus, Mississippi	Northrup King brand varieties N.K. S69-96
Pioneer Hi-Bred International, Inc. Tipton, Indiana	Pioneer brand varieties
Rio Farms Edcouch, Texas	Santa Rosa R
Riverside/Terra Memphis, Tennessee	Yield King brand varieties
Rohm and Haas Seeds Hartsville, South Carolina	Coker brand varieties RA brand varieties
Rutland Brothers Fitzpatrick, Alabama	Ransom
Terral-Norris Seed Company, Inc. Lake Providence, Louisiana	Terra-Vig brand varieties
Texas Crop Improvement Association College Station, Texas	Dowling
University of Arkansas Fayetteville, Arkansas	Jeff Narow
University of Georgia Athens, Georgia	Ga 79-402
Virginia Crop Improvement Association Holley, Virginia	Bay

Table 2. Cultural Practices for Soybean Variety Tests in 1985

Location	Type test	Date planted	Row width	Herbicide used	Fertilizer applied
Belle Mina	Standard	May 6	36	Prowl	None recommended by soil test
	Preliminary	May 13	36	Prowl, Dyanap	400 lb. 0-24-24/acre
Crossville	Standard	May 15	30	Dyanap, Surflan	100 lb. 0-24-24/acre 100 lb. 0-0-60/acre
		May 21	30	Dyanap, Surflan	100 lb. 0-24-24/acre 100 lb. 0-0-60/acre
Camden	Standard	May 16	36	Treflan, Vernam	200 lb. 0-20-20/acre
Prattville	Standard	May 10	30	Treflan	100 lb. 0-0-60/acre
		June 21	30	Treflan	100 lb. 0-0-60/acre
	Preliminary	May 10	30	Treflan	None recommended by soil test
Headland	Standard	May 29	36	Lasso	400 lb. 8-24-24/acre
Monroeville	Preliminary	May 26	36	Treflan	300 lb. 0-20-20/acre
Brewton	Standard	June 21	36	Treflan, Vernam	None recommended by soil test
		July 11	18	Treflan, Vernam	None recommended by soil test
Marion Junction	Standard (Sumter)	May 13	36	Treflan	200 lb. 0-20-20/acre
	Standard (Vaiden)	May 13	36	Treflan	200 lb. 0-20-20/acre
		June 13	36	Treflan	200 lb. 0-20-20/acre
Fairhope	Standard	June 26	30	Treflan, Vernam	400 lb. 0-14-14 + Sulfur
		July 18	30	Treflan, Vernam	400 lb. 0-14-14 + Sulfur

TABLE 3. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1985

BRAND-VARIETY[1/]	YIELD PER ACRE			REGIONAL AVERAGE							
	BELLE MINA	CROSSVILLE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY	
	DATE 1	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											
PERSHING	51.9	49.3	-	1.1	-	1.0	-	28	-	9-18	-
EARLY											
ASGROW A 5474	59.9	49.2	-	2.1	-	1.0	-	36	-	9-25	-
ASGROW A 5980	60.9	49.5	-	3.4	-	1.0	-	40	-	9-26	-
BAY	64.6	52.6	39.4	1.6	1.8	1.0	1.5	35	34	9-24	10-10
BEDFORD	55.8	49.3	-	3.6	-	1.0	-	44	-	9-27	-
COKER 425	59.2	50.4	41.0	1.4	1.0	1.0	1.3	27	27	9-24	10-4
COKER 485	59.9	48.1	-	2.9	-	1.0	-	35	-	9-29	-
DELTAPINE 105	63.5	50.6	38.7	3.1	2.0	1.3	1.0	36	35	9-30	10-11
DELTAPINE 345	58.9	44.1	-	3.1	-	1.0	-	37	-	9-28	-
ESSEX	55.3	48.7	40.3	1.6	1.0	1.0	2.0	29	28	9-21	10-3
FFR 561	55.8	54.6	-	1.3	-	1.3	-	33	-	9-29	-
FORREST	65.3	55.9	35.6	2.8	2.3	1.0	1.0	36	34	9-28	10-10
HARTZ 5171	57.6	54.2	-	3.6	-	1.3	-	39	-	9-28	-
HARTZ 5252	51.6	55.8	-	2.6	-	1.0	-	35	-	9-29	-
HARTZ 5370	58.9	53.3	-	3.0	-	1.0	-	39	-	9-28	-
NAROW	61.7	47.9	-	3.1	-	1.0	-	30	-	9-22	-
PIONEER 9561	56.9	50.3	-	2.5	-	1.0	-	35	-	9-28	-
PIONEER 9571	62.7	53.7	-	2.6	-	1.0	-	36	-	9-28	-
TERRA-VIG 505	59.9	49.8	-	3.4	-	1.0	-	38	-	9-27	-
TERRA-VIG 553	62.0	49.0	-	3.0	-	1.0	-	40	-	9-27	-
WILSTAR 550	52.7	46.0	-	3.1	-	1.0	-	36	-	9-28	-
YIELD KING 503	65.0	46.2	-	3.4	-	1.0	-	46	-	9-22	-
YIELD KING 593	52.7	52.1	-	3.6	-	1.3	-	41	-	10-4	-
MEDIUM											
ASGROW A 6520	53.6	43.6	36.6	3.6	1.8	1.3	1.0	35	32	10-3	10-12
BRADLEY	53.8	44.4	37.8	3.3	2.3	1.0	1.0	34	34	9-29	10-13
CENTENNIAL	51.6	44.3	-	3.3	-	1.0	-	40	-	10-9	-
COKER 156	56.2	40.1	39.4	3.1	1.0	1.0	1.8	38	34	10-6	10-11
HARTZ 6130	45.2	43.2	-	2.5	-	1.0	-	41	-	10-4	-
JEFF	46.9	41.4	37.4	4.3	2.3	1.0	1.0	40	38	10-5	10-16
LEFLORE	45.7	45.1	-	3.3	-	1.0	-	41	-	10-5	-
N.K. S69-96	46.6	47.1	35.4	4.3	2.0	1.0	1.0	40	36	10-8	10-16
RA 604	48.9	39.5	-	3.8	-	1.0	-	41	-	10-4	-
RA 606	55.3	48.2	-	4.1	-	1.0	-	45	-	10-2	-
TERRA-VIG 606	46.9	42.1	-	3.1	-	2.3	-	39	-	10-7	-
TRACY M	57.9	47.1	38.1	3.4	1.8	1.0	1.0	37	33	10-2	10-11
YOUNG	53.0	47.2	-	3.3	-	1.0	-	43	-	10-5	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 3. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1985

BRAND-VARIETY[1]	YIELD PER ACRE			REGIONAL AVERAGE							
	BELLE MINA	CROSSVILLE		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.		
LATE											
BRAXTON	51.6	48.8	40.2	2.9	1.5	1.0	1.0	41	37	10-14	10-22
COKER 237	51.9	48.7	41.3	2.8	1.0	1.0	1.0	39	32	10-7	10-16
TERRA-VIG 708	48.4	49.7	-	3.3	-	1.0	-	40	-	10-8	-
TERRA-VIG 717	47.2	48.2	-	3.9	-	1.0	-	38	-	10-12	-
TEST MEANS	55.3	48.2	38.6	3.0	1.7	1.1	1.2	37	33		
L.S.D. (.05)	8.1	5.7	2.8								
C.V. (%)	10.4	8.5	5.0								

[1]/VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = MATURITY GROUP VI; LATE = MATURITY GROUP VII.

TABLE 4. PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 1982

BRAND-VARIETY[1/]	YIELD PER ACRE			REGIONAL AVERAGE							
	CAM-	PRAIRIEVILLE		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.		
EARLY											
ASGROW A 5980	37.8	38.7	-	1.5	-	1.8	-	32	-	9-19	-
DELTAPINE 105	47.0	38.1	36.7	1.1	1.0	2.0	1.5	26	31	9-17	10-8
DELTAPINE 345	36.8	36.5	-	1.0	-	1.0	-	27	-	9-22	-
FFR 561	39.9	34.7	-	1.0	-	3.6	-	22	-	9-17	-
FORREST	38.6	34.6	-	1.4	-	1.5	-	24	-	9-21	-
HARTZ 5370	35.1	35.7	-	1.1	-	1.4	-	26	-	9-21	-
PIONEER 5482	35.2	39.7	32.5	1.1	1.0	2.3	1.0	27	28	9-25	10-8
PIONEER 9571	38.1	34.7	-	1.5	-	2.0	-	27	-	9-22	-
TERRA-VIG 505	41.5	32.9	-	1.5	-	1.8	-	27	-	9-21	-
MEDIUM											
AGRATECH 67	33.9	35.3	32.1	1.4	1.5	1.0	1.3	35	29	10-7	10-17
BRADLEY	34.0	31.9	-	1.4	-	1.4	-	21	-	9-23	-
CENTENNIAL	33.3	37.9	-	1.0	-	1.0	-	32	-	10-6	-
COKER 156	37.3	39.1	37.0	1.0	1.0	1.1	2.0	31	30	10-7	10-18
DAVIS	35.2	39.3	33.1	1.4	1.3	1.8	1.0	36	33	10-4	10-17
FFR 668	34.1	29.6	-	1.0	-	1.0	-	30	-	10-8	-
LEFLORE	34.2	38.7	-	1.0	-	1.1	-	32	-	10-7	-
N.K. S69-96	36.9	38.8	-	1.3	-	1.0	-	32	-	10-7	-
RA 604	37.3	36.3	-	1.1	-	1.0	-	32	-	10-4	-
RA 680	33.7	36.0	-	1.0	-	1.1	-	32	-	10-7	-
TERRA-VIG 606	37.7	33.4	31.9	1.4	1.5	1.3	1.3	32	32	10-7	10-18
TRACY M	35.2	36.3	34.3	1.3	1.0	1.4	1.0	30	27	10-2	10-15
YIELD KING 613	35.5	38.8	-	1.3	-	1.4	-	37	-	9-29	-
YOUNG	41.1	37.4	-	1.4	-	1.8	-	35	-	10-2	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 4. PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 1985

BRAND-VARIETY[1]	YIELD PER ACRE			REGIONAL AVERAGE							
	CAM-DEN	PRAIRIEVILLE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	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.		
LATE											
BRAXTON	37.0	38.7	43.3	1.0	1.0	1.0	1.3	38	33	10-20	11-2
COKER 237	32.1	40.8	-	1.0	-	1.0	-	34	-	10-10	-
COKER 368	37.0	41.5	-	1.3	-	1.0	-	40	-	10-22	-
DELTAPINE 497	36.6	36.3	-	1.0	-	1.0	-	43	-	10-19	-
GASOY 17	34.4	38.5	-	1.4	-	1.0	-	40	-	10-12	-
GOVAN	31.9	31.9	-	1.0	-	1.0	-	36	-	10-11	-
HARTZ 7126	34.7	32.7	-	1.4	-	1.0	-	34	-	10-8	-
HUTTON	30.4	27.7	-	1.6	-	1.0	-	39	-	10-22	-
N.K. S72-60	37.4	35.3	-	2.1	-	1.0	-	33	-	10-8	-
RANSOM	33.9	33.6	37.3	1.4	1.0	1.0	1.0	33	28	10-11	11-3
STARR	32.1	28.0	-	1.4	-	1.0	-	34	-	10-13	-
TERRA-VIG 708	36.8	37.2	36.8	1.5	2.3	1.0	1.3	31	31	10-8	10-22
TERRA-VIG 717	35.1	39.6	-	1.3	-	1.0	-	32	-	10-11	-
WRIGHT	36.8	34.9	-	1.4	-	1.0	-	34	-	10-9	-
TEST MEANS	36.1	36.0	35.5	1.3	1.3	1.3	1.3	32	30		
L.S.D. (.05)	4.3	4.7	5.1								
C.V. (%)	8.5	9.3	9.9								

[1] VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = MATURITY GROUP VI; LATE = MATURITY GROUPS VII AND VIII.

TABLE 5. PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 1985

BRAND-VARIETY[1/]	YIELD PER ACRE			REGIONAL AVERAGE							
	BREMIUN		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.		
VERY EARLY											
DELTAPINE 105	50.3	-	26.4	1.4	-	3.0	-	30	-	9-28	-
DELTAPINE 345	40.7	-	28.7	1.4	-	1.0	-	31	-	9-28	-
EARLY											
AGRATECH 67	43.1	-	31.3	1.6	-	1.0	-	40	-	10-6	-
ASGROW A 6242	44.9	-	28.0	1.0	-	1.5	-	29	-	10-2	-
ASGROW A 6520	46.2	-	30.0	1.0	-	1.5	-	26	-	10-5	-
BRADLEY	40.1	-	22.6	1.6	-	1.0	-	26	-	10-8	-
CENTENNIAL	41.3	15.9	26.1	1.0	-	1.0	-	30	16	10-10	10-15
COKER 156	44.4	-	22.8	1.0	-	1.5	-	26	-	10-9	-
DAVIS	45.8	-	31.6	1.3	-	2.0	-	36	-	10-8	-
DELTAPINE 506	42.6	-	27.3	1.3	-	2.5	-	33	-	10-11	-
DELTAPINE 566	38.3	-	21.2	1.0	-	1.0	-	30	-	10-11	-
HARTZ 6383 R	41.9	-	28.8	1.1	-	1.0	-	31	-	10-9	-
JEFF	44.8	-	29.6	1.5	-	1.5	-	36	-	10-11	-
LEFLORE	43.4	-	23.9	1.0	-	1.5	-	30	-	10-8	-
N.K. S69-54	45.9	-	24.8	1.6	-	1.5	-	28	-	10-9	-
N.K. S69-96	43.7	12.1	26.8	1.4	-	1.0	-	31	17	10-14	10-20
RA 606	43.2	-	33.7	1.3	-	1.0	-	37	-	10-6	-
RA 680	40.7	-	28.4	1.1	-	1.0	-	31	-	10-9	-
TERRA-VIG 606	43.9	-	25.3	1.0	-	1.5	-	27	-	10-11	-
TERRA-VIG 616	42.4	-	25.9	1.0	-	1.0	-	31	-	10-11	-
TRACY M	37.3	-	34.0	1.4	-	2.5	-	29	-	10-4	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 2. PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 1985

BRAND-VARIETY [1]	YIELD PER ACRE			REGIONAL AVERAGE							
	PRESTON		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.		
MEDIUM											
AGRATECK 120	41.0	-	28.4	1.3	-	1.0	-	32	-	10-10	-
ASGROW A 7372	42.0	21.9	34.3	1.1	-	1.0	-	27	17	10-11	10-18
BRAXTON	43.9	20.9	27.6	1.0	-	1.0	-	28	18	10-14	10-19
COKER 627	41.3	-	28.4	1.0	-	1.0	-	33	-	10-12	-
DELTAPINE 417	41.8	27.9	36.0	1.0	-	1.0	-	38	18	10-16	10-24
DELTAPINE 497	47.4	-	33.2	1.1	-	1.0	-	33	-	10-17	-
GASOY 17	46.2	21.8	32.8	1.5	-	1.0	-	32	16	10-12	10-17
HARTZ 7126	44.2	-	32.3	1.3	-	1.0	-	35	-	10-13	-
RING AROUND 702	47.3	-	34.6	1.3	-	1.0	-	31	-	10-14	-
TERRA-VIG 717	44.8	-	30.8	1.4	-	1.0	-	30	-	10-14	-
WILSTAR 790	42.4	-	27.9	1.0	-	1.0	-	30	-	10-17	-
WRIGHT	42.0	19.1	27.3	1.5	-	1.0	-	31	16	10-12	10-19
LATE											
COBB	44.9	21.6	33.8	1.5	-	1.0	-	42	18	10-23	10-27
COKER 368	44.0	13.0	28.8	1.0	-	1.0	-	33	16	10-19	10-26
COKER 82-645	45.2	-	31.4	1.0	-	1.0	-	31	-	10-18	-
DOWLING	47.8	-	36.9	1.4	-	1.0	-	36	-	10-24	-
HUTTON	43.8	-	31.5	1.3	-	1.0	-	30	-	10-17	-
JOHNSTON	47.4	15.1	30.9	1.8	-	1.0	-	30	17	10-15	10-24
TERRA-VIG 808	43.1	-	29.3	1.6	-	1.0	-	33	-	10-14	-
TEST MEANS	43.6	18.9	29.3	1.2	.	1.2	.	32	17		
L.S.D. (.05)	3.6	7.1	5.3								
C.V. (%)	6.0	25.8	12.8								

[1] VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; MEDIUM = MATURITY GROUP VII; LATE = MATURITY GROUP VIII.

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 1985

BRAND-VARIETY[1]	YIELD PER ACRE	AVERAGE LODGING	AVERAGE SHATTERING	AVERAGE PLANT HEIGHT	AVERAGE MATURITY DATE	IRON CHLOROSIS[2] 7/26/85
	BU.	SCORE	SCORE	IN.		SCORE
VERY EARLY						
RA 480	17.8	2.3	1.0	25	9-12	1.0
EARLY						
BAY	18.0	1.0	1.5	12	9-12	2.0
DELTAPINE 105	27.8	1.0	1.3	19	9-18	0.5
HARTZ 5370	28.5	1.0	1.0	18	9-19	0.5
PIONEER 5482	22.1	1.0	1.0	17	9-29	1.0
SHILOH	16.6	1.0	1.0	16	10-1	1.0
TERRA-VIG 505	22.9	1.0	1.0	17	9-22	1.0
WILSTAR 550	24.1	1.0	1.0	17	9-18	1.0
MEDIUM						
AGRATECH 67	14.7	1.3	1.0	28	10-11	1.0
ASGROW A 6520	11.3	1.0	1.0	16	10-9	2.5
CENTENNIAL	6.2	1.5	1.0	23	10-14	4.0
COKER 156	15.0	1.0	1.0	16	10-6	2.0
COKER 686	21.5	1.0	1.0	22	10-10	1.5
DAVIS	22.6	1.3	1.3	23	10-3	1.0
DELTAPINE 506	19.4	1.0	1.0	22	10-10	1.0
DELTAPINE 566	2.2	1.0	1.0	23	10-28	5.0
HARTZ 6130	2.7	1.0	1.0	14	10-27	4.0
LEFLORE	16.3	1.0	1.0	22	10-13	1.5
N.K. S69-96	13.4	1.3	1.0	21	10-9	1.0
RA 680	7.2	1.0	1.0	17	10-20	3.5
SUMTER	14.6	1.0	1.0	19	10-7	3.0
TERRA-VIG 606	12.1	1.0	1.0	22	10-9	2.0
TRACY M	10.7	1.0	1.0	20	10-16	2.5

CONTINUED ON THE FOLLOWING PAGE

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 1982

BRAND-VARIETY[1]	YIELD PER ACRE	AVERAGE LODGING	SHATTERING	PLANT HEIGHT	MATURITY DATE	IRON CHLOROSIS[2] 7/26/82
	BU.	SCORE	SCORE	IN.		SCORE
LATE						
BRAXTON	17.9	1.0	1.0	23	10-18	1.0
COKER 368	13.8	1.5	1.0	24	10-30	1.5
COKER 627	13.4	1.0	1.0	22	10-14	3.5
DELTAPINE 417	9.5	1.0	1.0	24	10-21	1.5
DELTAPINE 497	8.0	1.0	1.0	22	11-1	3.0
DOWLING	22.5	1.3	1.3	28	10-21	0.0
DUDCROP	20.4	1.8	1.0	31	10-3	1.5
GASOY 17	9.9	1.0	1.3	24	10-14	3.0
GOVAN	10.7	1.0	1.0	21	10-14	1.0
HARTZ 7126	17.3	1.0	1.0	21	10-11	2.0
HUTTON	8.3	1.8	1.0	24	10-11	0.0
RANSON	14.8	1.0	1.0	18	10-15	0.5
STARR	10.5	1.0	1.0	18	10-14	2.5
WRIGHT	11.9	1.3	1.0	20	10-17	3.0
TEST MEANS	15.0	1.1	1.0	21		1.9
L.S.D. (.05)	8.8					
C.V. (%)	42.6					

[1]/VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP AND V; MEDIUM = MATURITY GROUP VI; LATE = MATURITY GROUP VII AND VIII.

[2]/IRON CHLOROSIS RATINGS ON SCALE OF 0-5 WITH 0 BEING NO DISCOLOR SHOWING TO 5 WITH SEVERE CHLOROSIS AND DYING PLANTS.

TABLE 7. PERFORMANCE OF SOYBEAN VARIETIES ON VALDEN SOIL, MARION JUNCTION, ALABAMA, 1985

BRAND-VARIETY[1/]	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.		
VERY EARLY										
RA 480	45.9	-	2.3	-	1.0	-	42	-	9-13	-
EARLY										
BAY	54.3	-	1.0	-	1.0	-	32	-	9-15	-
DELTAPINE 105	54.6	34.6	2.3	2.5	1.0	1.0	34	26	9-22	10-12
HARTZ 5370	54.8	-	1.0	-	1.0	-	35	-	9-23	-
PIONEER 5482	52.4	-	1.3	-	1.0	-	34	-	9-24	-
SHILOH	54.1	-	1.0	-	1.0	-	32	-	9-26	-
TERRA-VIG 505	46.2	-	1.8	-	1.0	-	37	-	9-18	-
WILSTAR 550	51.3	-	1.0	-	1.0	-	34	-	9-23	-
MEDIUM										
AGRATECH 67	39.2	41.9	3.5	4.0	1.0	1.0	42	37	10-10	10-18
ASGROW A 6520	48.6	-	2.0	-	1.0	-	35	-	9-30	-
CENTENNIAL	36.3	-	1.8	-	1.0	-	38	-	10-9	-
COKER 156	40.9	-	1.8	-	1.0	-	37	-	10-8	-
COKER 686	39.1	-	1.5	-	1.0	-	40	-	10-3	-
DAVIS	41.8	-	2.5	-	1.0	-	39	-	10-3	-
DELTAPINE 506	40.8	-	3.0	-	1.0	-	42	-	10-11	-
DELTAPINE 566	42.9	-	1.3	-	1.0	-	39	-	10-7	-
HARTZ 6130	43.7	-	1.5	-	1.0	-	39	-	10-2	-
LEFLORE	41.4	-	2.3	-	1.0	-	39	-	10-9	-
N.K. S69-96	30.5	-	2.5	-	1.0	-	35	-	9-29	-
RA 680	35.7	-	1.0	-	1.0	-	40	-	10-9	-
SUMTER	36.6	-	2.0	-	1.0	-	39	-	10-1	-
TERRA-VIG 606	35.1	-	1.8	-	1.0	-	41	-	10-7	-
TRACY M	51.1	-	1.8	-	1.0	-	36	-	9-27	-

CONTINUED ON THE FOLLOWING PAGE

TABLE I. PERFORMANCE OF SOYBEAN VARIETIES ON VALDEN SOIL, MARION JUNCTION, ALABAMA, 1985

BRAND-VARIETY[1]	YIELD PER ACRE		AVERAGE LODGING		AVERAGE 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.		
LATE										
BRAXTON	37.0	38.7	2.5	1.0	1.0	1.0	39	39	10-26	11-7
COKER 368	33.6	-	2.8	-	1.0	-	41	-	10-24	-
COKER 627	44.5	-	1.0	-	1.0	-	41	-	10-15	-
DELTAPINE 417	35.3	47.7	3.0	2.5	1.0	1.0	42	38	10-18	10-31
DELTAPINE 497	33.4	44.6	2.5	1.5	1.0	1.0	41	37	10-20	10-29
DOWLING	34.9	-	3.5	-	1.0	-	43	-	10-28	-
DUOCROP	37.4	-	3.0	-	1.0	-	46	-	9-30	-
GASOY 17	34.0	44.9	3.3	2.5	1.0	1.0	42	36	10-14	10-20
GUVAN	30.4	-	1.3	-	1.0	-	40	-	10-10	-
HARTZ 7126	38.9	38.5	1.8	4.3	1.0	1.0	42	35	10-18	10-22
HUTTON	19.5	-	4.3	-	1.0	-	39	-	10-14	-
RANSOM	35.6	36.6	1.8	2.3	1.0	1.0	35	31	10-19	10-25
STARR	33.9	47.6	3.5	1.8	1.0	1.0	38	33	10-8	10-18
WRIGHT	40.3	42.4	3.8	3.0	1.0	1.0	41	31	10-15	10-20
TEST MEANS	40.7	41.7	2.1	2.5	1.0	1.0	39	34		
L.S.D. (.05)	5.6	7.4								
C.V. (%)	19.8	10.9								

[1] VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = MATURITY GROUP VI; LATE = MATURITY GROUP VII AND VIII.

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1985

BRAND-VARIETY[1/]	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.		
VERY EARLY										
DELTAPINE 105	33.1	-	2.3	-	1.0	-	26	-	10-11	-
WILSTAR 550	27.5	-	1.5	-	1.0	-	22	-	10-12	-
EARLY										
AGRATECH 67	38.3	-	2.0	-	1.0	-	25	-	10-15	-
ASGROW A 6242	35.2	-	2.0	-	1.0	-	25	-	10-9	-
ASGROW A 6520	36.8	-	1.8	-	1.0	-	25	-	10-12	-
CENTENNIAL	35.3	-	2.0	-	1.0	-	23	-	10-15	-
COKER 156	33.2	-	2.0	-	1.0	-	18	-	10-17	-
DAVIS	38.7	-	2.0	-	1.0	-	28	-	10-14	-
DELTAPINE 506	33.7	9.6	2.0	1.0	1.0	1.0	26	15	10-16	10-22
DELTAPINE 566	32.9	-	1.7	-	1.0	-	19	-	10-15	-
HARTZ 6383 R	38.7	-	2.0	-	1.0	-	29	-	10-19	-
JEFF	33.9	-	2.0	-	1.0	-	27	-	10-18	-
LEFLORE	37.7	-	1.8	-	1.0	-	24	-	10-13	-
N.K. S69-54	41.0	-	1.5	-	1.0	-	23	-	10-18	-
N.K. S69-96	41.4	-	2.0	-	1.0	-	24	-	10-21	-
TERRA-VIG 616	33.2	-	2.0	-	1.0	-	26	-	10-17	-
MEDIUM										
AGRATECK 120	33.8	-	2.0	-	1.0	-	22	-	10-18	-
ASGROW A 7372	40.0	10.9	2.0	1.0	1.0	1.0	24	14	10-20	10-22
BRAXTON	37.6	9.8	1.5	1.0	1.0	1.0	23	15	10-25	11-3
COKER 627	34.0	-	2.0	-	1.0	-	26	-	10-20	-
DELTAPINE 417	38.0	-	2.0	-	1.0	-	29	-	10-24	-
DELTAPINE 497	45.2	9.4	2.0	1.0	1.0	1.0	27	14	10-23	10-25
DUOCROP	-	28.4	-	1.0	-	1.0	-	27	-	11-7
GASOY 17	34.8	-	2.0	-	1.0	-	24	-	10-20	-
HARTZ 7126	48.1	-	1.8	-	1.0	-	27	-	10-24	-
N.K. S72-60	38.5	17.8	2.0	1.5	1.0	1.0	31	18	10-19	10-24
RANSOM	43.1	-	2.0	-	1.0	-	21	-	10-21	-
RING AROUND 702	41.4	-	1.5	-	1.0	-	22	-	10-23	-
TERRA-VIG 708	39.1	-	2.0	-	1.0	-	27	-	10-20	-
WRIGHT	35.8	-	2.0	-	1.0	-	27	-	10-23	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1985

BRAND-VARIETY 1/	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.		
LATE										
COBB	40.2	13.7	2.5	1.0	1.0	1.0	29	18	11-8	11-6
COKER 368	39.6	-	2.0	-	1.0	-	27	-	10-28	-
COKER 82-645	47.0	-	2.0	-	1.0	-	25	-	10-23	-
DOWLING	43.8	-	2.0	-	1.0	-	30	-	11-4	-
HARTZ 9190	-	-	-	-	-	-	-	-	10-24	-
JOHNSTON	44.9	-	2.0	-	1.0	-	22	-	10-22	-
KIRBY	34.8	15.5	2.0	1.0	1.0	1.0	25	16	10-30	11-6
SANTA ROSA R	37.0	22.0	3.7	1.0	1.0	1.0	39	25	11-7	11-7
TERRA-VIG 808	42.2	15.4	2.0	1.0	1.0	1.0	22	17	10-22	10-31
TEST MEANS	38.1	15.3	2.0	1.0	1.0	1.0	25	18		
L.S.D. (.05)	5.7	5.9								
C.V. (%)	11.8	40.4								

1/VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; MEDIUM = MATURITY GROUP VII; LATE = MATURITY GROUPS VIII AND IX.

TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY[1]	YIELD PER ACRE[2]						3-YEAR AVERAGE							
	1985		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1 BU.	DATE 2 BU.	DATE 1 BU.	DATE 2 BU.	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
VERY EARLY														
PERSHING	50.6	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
ASGROW A 5474	54.5	-	47.1	-	37.6	-	1.8	-	1.0	-	35	-	9-23	-
ASGROW A 5980	55.2	-	-	-	-	-	-	-	-	-	-	-	-	-
BAY	58.6	39.4	48.4	38.4	-	-	-	-	-	-	-	-	-	-
BEDFORD	52.6	-	46.7	-	37.6	-	3.0	-	1.0	-	42	-	9-28	-
COKER 425	54.8	41.0	50.7	39.0	-	-	-	-	-	-	-	-	-	-
COKER 485	54.0	-	47.0	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 105	57.1	38.7	50.1	37.5	42.1	35.5	2.8	2.8	1.1	1.0	38	34	9-30	10-15
DELTAPINE 345	51.5	-	44.5	-	36.8	-	2.2	-	1.1	-	37	-	9-29	-
ESSEX	52.0	40.3	51.1	38.9	40.9	35.0	1.4	1.6	1.6	1.3	28	27	9-19	10-9
FFR 561	55.2	-	-	-	-	-	-	-	-	-	-	-	-	-
FORREST	60.6	35.6	51.0	32.8	41.0	32.0	2.4	2.3	1.2	1.0	35	33	9-25	10-13
HARTZ 5171	55.9	-	46.9	-	39.0	-	3.0	-	1.1	-	39	-	9-30	-
HARTZ 5252	53.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 5370	56.1	-	45.8	-	38.3	-	2.8	-	1.3	-	38	-	9-29	-
NAROW	54.8	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9561	53.6	-	47.1	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9571	58.2	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 505	54.8	-	45.3	-	38.2	-	3.1	-	1.3	-	38	-	9-28	-
TERRA-VIG 553	55.5	-	-	-	-	-	-	-	-	-	-	-	-	-
WILSTAR 550	49.3	-	43.9	-	36.4	-	2.7	-	1.0	-	35	-	9-29	-
YIELD KING 503	55.6	-	-	-	-	-	-	-	-	-	-	-	-	-
YIELD KING 593	52.4	-	43.9	-	-	-	-	-	-	-	-	-	-	-
MEDIUM														
ASGROW A 6520	48.6	36.6	42.3	33.5	35.8	33.2	2.7	2.0	1.1	1.0	35	31	10-5	10-16
BRADLEY	49.1	37.8	41.9	34.2	-	-	-	-	-	-	-	-	-	-
CENTENNIAL	47.9	-	38.6	-	33.3	-	2.8	-	1.0	-	39	-	10-8	-
COKER 156	48.2	39.4	40.8	36.0	35.9	35.3	2.5	1.3	1.0	1.3	38	32	10-6	10-17
HARTZ 6130	44.2	-	38.9	-	-	-	-	-	-	-	-	-	-	-
JEFF	44.2	37.4	39.9	32.1	34.1	33.0	3.4	3.2	1.0	1.0	40	36	10-7	10-19
LEFLORE	45.4	-	-	-	-	-	-	-	-	-	-	-	-	-
N.K. S69-96	46.8	35.4	38.4	31.5	34.2	33.2	3.5	2.4	1.0	1.0	40	35	10-9	10-21
RA 604	44.2	-	38.3	-	33.3	-	2.9	-	1.0	-	39	-	10-5	-
RA 606	51.8	-	43.7	-	36.3	-	3.6	-	1.2	-	42	-	10-5	-
TERRA-VIG 606	44.5	-	39.8	-	33.9	-	2.8	-	1.4	-	38	-	10-7	-
TRACY M	52.5	38.1	43.8	33.4	36.7	31.7	2.8	2.3	1.3	1.0	36	33	10-5	10-18
YOUNG	50.1	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY[1]	YIELD PER ACRE[2]						3-YEAR AVERAGE							
	1985		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.		
LATE														
BRAXTON	50.2	40.2	41.2	36.1	35.1	36.9	2.5	1.2	1.0	1.0	39	36	10-11	10-24
COKER 237	50.3	41.3	40.1	33.4	34.7	35.4	2.6	1.7	1.0	1.0	38	32	10-8	10-20
TERRA-VIG 708	49.0	-	39.9	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 717	47.7	-	-	-	-	-	-	-	-	-	-	-	-	-
TEST MEANS	51.8	38.6	44.0	35.1	36.7	34.1	2.7	2.1	1.1	1.1	38	33		
L.S.D. (.05)	13.3	3.8	11.4	4.4	8.6	5.1								
C.V. (%)	18.5	6.8	18.5	8.9	16.7	10.6								

[1] VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = MATURITY GROUP VI; LATE = MATURITY GROUP VII.

[2] THE PLANTING DATE FOR FIRST PLANTING WAS MAY 10, MAY 13, AND MAY 12 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS MAY 17, MAY 25, AND MAY 26, RESPECTIVELY.

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY[1]	YIELD PER ACRE[2]						3-YEAR AVERAGE							
	1985		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		PLANT HEIGHT		MATURITY	
	DATE 1 BU.	DATE 2 BU.	DATE 1 BU.	DATE 2 BU.	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
EARLY														
ASGROW A 5980	38.3	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 105	42.5	36.7	38.1	36.1	32.6	33.3	1.2	1.2	1.3	1.3	31	31	9-25	10-5
DELTAPINE 345	36.7	-	35.1	-	29.2	-	1.1	-	1.0	-	30	-	9-26	-
FFR 561	37.3	-	-	-	-	-	-	-	-	-	-	-	-	-
FORREST	36.6	-	33.6	-	28.3	-	1.2	-	1.2	-	27	-	9-23	-
HARTZ 5370	35.4	-	33.1	-	29.0	-	1.2	-	1.1	-	29	-	9-26	-
PIONEER 5482	37.5	32.5	33.4	33.1	-	-	-	-	-	-	-	-	-	-
PIONEER 9571	36.4	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 505	37.2	-	33.2	-	28.7	-	1.3	-	1.2	-	30	-	9-25	-
MEDIUM														
AGRATECH 67	34.6	32.1	32.8	28.1	30.6	28.8	1.7	1.5	1.0	1.1	34	33	10-8	10-13
BRADLEY	33.0	-	-	-	-	-	-	-	-	-	-	-	-	-
CENTENNIAL	35.6	-	31.8	-	29.8	-	1.1	-	1.0	-	33	-	10-9	-
COKER 156	38.2	37.0	35.6	34.7	32.9	32.3	1.1	1.0	1.0	1.3	30	30	10-9	10-13
DAVIS	37.3	33.1	33.4	30.1	30.0	28.6	1.3	1.4	1.3	1.5	35	32	10-6	10-13
FFR 658	31.9	-	31.5	-	-	-	-	-	-	-	-	-	-	-
LEFLORE	36.5	-	-	-	-	-	-	-	-	-	-	-	-	-
N.K. S69-96	37.9	-	34.5	-	30.7	-	1.3	-	1.0	-	32	-	10-8	-
RA 604	36.8	-	34.0	-	27.0	-	1.2	-	1.0	-	32	-	10-3	-
RA 680	34.8	-	31.7	-	29.6	-	1.1	-	1.1	-	34	-	10-9	-
TERRA-VIG 606	35.5	31.9	32.9	31.7	30.0	29.9	1.3	1.2	1.1	1.2	33	31	10-8	10-14
TRACY M	35.8	34.3	32.9	31.4	29.7	28.6	1.2	1.3	1.3	1.3	30	29	10-6	10-12
YIELD KING 613	37.2	-	32.5	-	-	-	-	-	-	-	-	-	-	-
YOUNG	39.2	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY[1]	YIELD PER ACRE[2]						3-YEAR AVERAGE							
	1985		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.		
LATE														
BRAXTON	37.8	43.3	31.2	36.1	32.3	35.5	1.3	1.2	1.0	1.1	36	33	10-17	10-21
COKER 237	36.5	-	32.2	-	28.5	-	1.1	-	1.0	-	32	-	10-11	-
COKER 368	39.2	-	31.3	-	29.6	-	1.3	-	1.0	-	38	-	10-19	-
DELTAPINE 497	36.4	-	33.6	-	32.8	-	1.3	-	1.0	-	39	-	10-17	-
GASOY 17	36.4	-	33.4	-	31.3	-	1.6	-	1.0	-	37	-	10-13	-
GOVAN	31.9	-	29.9	-	28.7	-	1.1	-	1.0	-	33	-	10-12	-
HARTZ 7126	33.7	-	31.0	-	29.3	-	1.3	-	1.0	-	36	-	10-11	-
HUTTON	29.0	-	26.1	-	22.0	-	1.5	-	1.0	-	35	-	10-17	-
N.K. S72-60	36.3	-	32.1	-	-	-	-	-	-	-	-	-	-	-
RANSOM	33.8	37.3	30.0	31.3	28.8	30.9	1.2	1.3	1.0	1.0	32	32	10-12	10-20
STARR	30.1	-	28.9	-	28.4	-	1.3	-	1.0	-	31	-	10-13	-
TERRA-VIG 708	37.0	36.8	33.7	32.7	28.8	31.1	1.2	1.8	1.0	1.1	32	33	10-11	10-17
TERRA-VIG 717	37.3	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIGHT	35.8	-	32.3	-	31.0	-	1.5	-	1.0	-	35	-	10-12	-
TEST MEANS	36.0	35.5	32.5	32.5	29.6	31.0	1.3	1.3	1.1	1.2	33	32		
L.S.D. (.05)	6.6	6.9	11.5	4.4	9.5	4.4								
C.V. (%)	13.3	13.4	25.5	9.7	23.1	10.2								

[1] VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = MATURITY GROUP VI; LATE = MATURITY GROUPS VII AND VIII.

[2] THE PLANTING DATE FOR FIRST PLANTING WAS MAY 11, MAY 20, AND MAY 19 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JUNE 21, JUNE 22, AND JUNE 20, RESPECTIVELY.

TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY[1]	YIELD PER ACRE[2]						3-YEAR AVERAGE							
	1985		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		
	BU.	BU.	BU.	BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY														
DELTAPINE 105	38.3	-	40.0	-	38.1	-	1.4	-	1.4	-	31	-	10-2	-
DELTAPINE 345	34.7	-	36.3	-	34.6	-	1.4	-	1.0	-	33	-	10-1	-
EARLY														
AGRATECH 67	37.2	-	38.2	-	38.2	-	1.7	-	1.0	-	36	-	10-9	-
ASGROW A 6242	36.5	-	-	-	-	-	-	-	-	-	-	-	-	-
ASGROW A 6520	37.1	-	-	-	-	-	-	-	-	-	-	-	-	-
BRADLEY	31.4	-	-	-	-	-	-	-	-	-	-	-	-	-
CENTENNIAL	33.7	15.9	35.8	24.7	36.4	23.5	1.4	1.0	1.0	1.0	33	21	10-10	10-14
COKER 156	33.6	-	35.7	-	37.2	-	1.2	-	1.1	-	29	-	10-10	-
DAVIS	38.7	-	39.5	-	39.0	-	1.7	-	1.2	-	36	-	10-9	-
DELTAPINE 506	34.9	-	35.3	-	34.2	-	1.6	-	1.3	-	34	-	10-12	-
DELTAPINE 566	29.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6383 R	35.4	-	35.9	-	-	-	-	-	-	-	-	-	-	-
JEFF	37.2	-	37.0	-	36.5	-	1.7	-	1.1	-	36	-	10-12	-
LEFLORE	33.7	-	-	-	-	-	-	-	-	-	-	-	-	-
N.K. S69-54	35.4	-	-	-	-	-	-	-	-	-	-	-	-	-
N.K. S69-96	35.3	12.1	37.0	23.3	-	-	-	-	-	-	-	-	-	-
RA 606	38.4	-	39.0	-	37.7	-	1.5	-	1.0	-	35	-	10-10	-
RA 680	34.5	-	36.5	-	37.2	-	1.5	-	1.0	-	34	-	10-10	-
TERRA-VIG 606	34.6	-	36.9	-	36.3	-	1.5	-	1.1	-	31	-	10-10	-
TERRA-VIG 616	34.2	-	-	-	-	-	-	-	-	-	-	-	-	-
TRACY M	35.6	-	36.8	-	35.7	-	1.6	-	1.3	-	32	-	10-5	-
MEDIUM														
AGRATECK 120	34.7	-	33.6	-	35.5	-	1.5	-	1.0	-	34	-	10-13	-
ASGROW A 7372	38.2	21.9	36.7	27.1	36.7	26.6	1.2	1.0	1.0	1.0	30	19	10-12	10-17
BRAXTON	35.8	20.9	34.8	23.5	37.2	23.3	1.2	1.0	1.0	1.0	34	21	10-16	10-19
COKER 627	34.8	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 417	38.9	27.9	38.3	33.6	38.7	28.6	1.3	1.0	1.0	1.0	38	21	10-16	10-20
DELTAPINE 497	40.3	-	38.6	-	-	-	-	-	-	-	-	-	-	-
GASOY 17	39.5	21.8	37.7	27.9	39.2	27.1	1.7	1.0	1.0	1.0	36	20	10-14	10-16
HARTZ 7126	38.2	-	37.5	-	37.1	-	1.6	-	1.0	-	36	-	10-16	-
RING AROUND 702	40.9	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 717	37.8	-	-	-	-	-	-	-	-	-	-	-	-	-
WILSTAR 790	35.2	-	33.4	-	35.0	-	1.4	-	1.0	-	35	-	10-18	-
WRIGHT	34.6	19.1	33.3	22.6	35.1	22.3	1.9	1.0	1.0	1.0	34	19	10-14	10-18

CONTINUED ON THE FOLLOWING PAGE

TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES IN SOUTHERN ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY[1]	YIELD PER ACRE[2]						3-YEAR AVERAGE							
	1985		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.		
LATE														
COBB	39.4	21.4	35.5	32.5	38.0	34.3	1.9	1.0	1.0	1.0	41	21	10-24	10-27
COKER 368	36.4	13.0	34.5	23.8	36.1	24.6	1.5	1.1	1.0	1.0	36	21	10-18	10-24
COKER 82-645	38.3	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWLING	42.3	-	38.3	-	39.4	-	1.6	-	1.0	-	38	-	10-23	-
HUTTON	37.7	-	36.0	-	-	-	-	-	-	-	-	-	-	-
JOHNSTON	39.2	15.1	36.4	24.6	38.6	23.0	1.7	1.0	1.0	1.0	31	19	10-18	10-24
TERRA-VIG 808	36.2	-	-	-	-	-	-	-	-	-	-	-	-	-
TEST MEANS	36.5	18.9	36.6	26.3	37.0	25.9	1.5	1.0	1.1	1.0	34	20		
L.S.D. (.05)	11.9	8.3	18.5	8.8	13.7	7.9								
C.V. (%)	23.4	30.3	36.4	23.6	26.6	21.8								

[1]/VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; MEDIUM = MATURITY GROUP VII; LATE = MATURITY GROUP VIII.

[2]/THE PLANTING DATE FOR FIRST PLANTING WAS MAY 30, MAY 29, AND JUNE 5 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JULY 18, JULY 8, AND JULY 8, RESPECTIVELY.

TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY [1]	YIELD PER ACRE [2]			3-YEAR AVERAGE			
	1985 BU.	2-YR. AV. BU.	3-YR. AV. BU.	LODGING SCORE	SHATTERING SCORE	PLANT HEIGHT IN.	MATURITY DATE
VERY EARLY							
RA 480	17.8	27.4	25.8	1.8	1.0	30	-
EARLY							
BAY	18.0	30.4	28.4	1.0	1.3	21	-
DELTAPINE 105	27.8	33.7	30.4	1.0	1.1	22	-
HARTZ 5370	28.5	33.4	-	-	-	-	-
PIONEER 5482	22.1	30.9	-	-	-	-	-
SHILOH	16.6	-	-	-	-	-	-
TERRA-VIG 505	22.9	30.0	27.6	1.0	1.0	22	-
WILSTAR 550	24.1	30.2	-	-	-	-	-
MEDIUM							
AGRATECH 67	14.7	24.9	23.1	1.2	1.0	31	-
ASGROW A 6520	11.3	18.7	18.6	1.0	1.0	20	-
CENTENNIAL	6.2	18.3	18.2	1.2	1.0	25	-
COKER 156	15.0	24.9	23.2	1.0	1.0	21	-
COKER 686	21.5	-	-	-	-	-	-
DAVIS	22.6	29.0	28.3	1.1	1.1	28	-
DELTAPINE 506	19.4	27.3	26.5	1.2	1.0	27	-
DELTAPINE 566	2.2	11.2	-	-	-	-	-
HARTZ 6130	2.7	16.1	-	-	-	-	-
LEFLORE	16.3	-	-	-	-	-	-
N.K. S69-96	13.4	23.1	-	-	-	-	-
RA 680	7.2	19.4	18.8	1.0	1.0	24	-
SUMTER	14.6	21.0	-	-	-	-	-
TERRA-VIG 606	12.1	22.9	22.8	1.0	1.0	25	-
TRACY M	10.7	24.6	22.6	1.2	1.0	24	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY[1]	YIELD PER ACRE[2]			3-YEAR AVERAGE			
	1985	2-YR. AV.	3-YR. AV.	LODGING	SHATTERING	PLANT HEIGHT	MATURITY DATE
	BU.	BU.	BU.	SCORE	SCORE	IN.	
LATE							
BRAXTON	17.9	25.0	27.9	1.0	1.0	30	-
COKER 368	13.8	-	-	-	-	-	-
COKER 627	13.4	-	-	-	-	-	-
DELTAPINE 417	9.5	19.4	-	-	-	-	-
DELTAPINE 497	8.0	18.3	18.6	1.0	1.0	27	-
DOWLING	22.5	28.3	-	-	-	-	-
DUOCROP	20.4	27.3	24.8	1.8	1.0	37	-
GASOY 17	9.9	19.6	20.6	1.2	1.1	31	-
GUYAN	10.7	17.7	17.2	1.0	1.0	26	-
HARTZ 7126	17.3	23.2	20.6	1.1	1.0	26	-
HUTTON	8.3	12.8	10.7	1.4	1.0	29	-
RANSOM	14.8	23.6	24.2	1.0	1.0	25	-
STARR	10.5	20.3	22.2	1.0	1.0	25	-
WRIGHT	11.9	21.2	23.2	1.3	1.0	28	-
L.S.D. (.05)	8.8	23.6	6.5	1.1	1.0	26	
C.V. (%)	42.6	24.1	20.1				

[1] VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = MATURITY GROUP VI; LATE = MATURITY GROUPS VII AND VIII.

[2] THE PLANTING DATE FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES WAS MAY 13, MAY 15, AND MAY 18, RESPECTIVELY.

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES ON VALDEN SOIL, MARION JUNCTION, ALABAMA 3-YEAR SUMMARY

BRAND-VARIETY [1]	YIELD PER ACRE [2]						3-YEAR AVERAGE							
	1985		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		PLANT HEIGHT		MATURITY	DATE
	DATE 1 BU.	DATE 2 BU.	DATE 1 BU.	DATE 2 BU.	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
VERY EARLY														
RA 480	45.9	-	49.2	-	48.5	-	1.8	-	1.0	-	42	-	9-18	-
EARLY														
BAY	54.3	-	55.0	-	54.7	-	1.0	-	1.0	-	30	-	9-21	-
DELTAPINE 105	54.6	34.6	56.4	39.2	57.1	38.3	1.4	1.5	1.0	1.0	32	27	9-27	10-13
HARTZ 5370	54.8	-	51.1	-	-	-	-	-	-	-	-	-	-	-
PIONEER 5482	52.4	-	57.3	-	-	-	-	-	-	-	-	-	-	-
SHILOH	54.1	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 505	46.2	-	52.3	-	53.9	-	1.4	-	1.0	-	33	-	9-26	-
WILSTAR 550	51.3	-	52.0	-	-	-	-	-	-	-	-	-	-	-
MEDIUM														
AGRATECH 67	39.2	41.9	46.3	42.3	48.5	39.2	3.0	2.4	1.0	1.0	39	33	10-9	10-18
ASGROW A 6520	48.6	-	52.3	-	51.9	-	1.4	-	1.0	-	32	-	10-3	-
CENTENNIAL	36.3	-	44.7	-	47.6	-	1.6	-	1.0	-	36	-	10-9	-
COKER 156	40.9	-	49.7	-	52.1	-	1.5	-	1.0	-	35	-	10-9	-
COKER 686	39.1	-	-	-	-	-	-	-	-	-	-	-	-	-
DAVIS	41.8	-	48.5	-	49.2	-	2.0	-	1.0	-	37	-	10-3	-
DELTAPINE 506	40.8	-	47.6	-	48.6	-	2.3	-	1.0	-	37	-	10-11	-
DELTAPINE 566	42.9	-	53.4	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6130	43.7	-	50.3	-	-	-	-	-	-	-	-	-	-	-
LEFLORE	41.4	-	-	-	-	-	-	-	-	-	-	-	-	-
N.K. S69-96	30.5	-	39.4	-	-	-	-	-	-	-	-	-	-	-
RA 680	35.7	-	45.3	-	47.5	-	1.0	-	1.0	-	36	-	10-10	-
SUMTER	36.6	-	39.8	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 606	35.1	-	45.0	-	49.8	-	1.4	-	1.1	-	38	-	10-9	-
TRACY M	51.1	-	55.1	-	54.4	-	1.4	-	1.0	-	33	-	10-3	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA 3-YEAR SUMMARY

BRAND-VARIETY [1]	YIELD PER ACRE [2]						3-YEAR AVERAGE							
	1985		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.		
LATE														
BRAXTON	37.0	38.7	47.2	39.7	49.9	39.7	1.8	1.1	1.0	1.0	40	32	10-20	10-29
COKER 368	33.6	-	-	-	-	-	-	-	-	-	-	-	-	-
COKER 627	44.5	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 417	35.3	47.7	46.4	47.3	-	-	-	-	-	-	-	-	-	-
DELTAPINE 497	33.4	44.6	47.0	45.4	49.6	42.5	1.8	1.2	1.0	1.0	42	31	10-16	10-27
DOWLING	34.9	-	43.7	-	-	-	-	-	-	-	-	-	-	-
DUOCROP	37.4	-	43.4	-	42.6	-	2.3	-	1.0	-	49	-	10-7	-
GASOY 17	34.0	44.9	42.7	45.2	44.4	43.8	3.0	1.8	1.0	1.0	41	33	10-13	10-21
GOVAN	30.4	-	39.8	-	42.8	-	1.1	-	1.0	-	39	-	10-11	-
HARTZ 7126	38.9	38.5	47.8	41.0	48.6	41.8	2.0	2.4	1.0	1.0	39	33	10-16	10-24
HUTTON	19.5	-	25.9	-	23.9	-	3.3	-	1.0	-	37	-	10-10	-
RANSOM	35.6	36.6	43.6	41.2	47.1	41.0	1.3	1.7	1.0	1.0	35	29	10-15	10-24
STARR	33.9	47.6	42.9	46.8	47.4	44.7	2.1	1.3	1.0	1.0	37	27	10-11	10-20
WRIGHT	40.3	42.4	46.6	42.9	49.2	42.5	3.0	2.4	1.0	1.0	39	31	10-15	10-21
TEST MEANS	40.7	41.7	47.1	43.1	48.2	41.5	1.9	1.7	1.0	1.0	37	31		
L.S.D. (.05)	5.6	7.4	7.5	4.7	6.8	9.5								
C.V. (%)	19.8	10.9	13.1	6.7	13.3	5.1								

[1] VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = MATURITY GROUP VI; LATE = MATURITY GROUPS VII AND VIII.

[2] THE PLANTING DATE FOR FIRST PLANTING WAS MAY 13, MAY 15, AND MAY 18 FOR 1-YEAR, 2-YEAR, AND 3-YEAR, AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JUNE 13, JUNE 20, AND JUNE 24, RESPECTIVELY.

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

BRAND-VARIETY[1]	YIELD PER ACRE[2]						3-YEAR AVERAGE							
	1985		2-YR. AV.		3-YR. AV.		LODGING		SHATTERING		PLANT HEIGHT		MATURITY	
	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	33.1	-	46.6	-	45.8	-	1.4	-	1.0	-	30	-	10-3	-
HILSTAR 550	27.5	-	40.1	-	-	-	-	-	-	-	-	-	-	-
EARLY														
AGRATECH 67	38.3	-	45.0	-	39.5	-	1.7	-	1.0	-	30	-	10-12	-
ASGROW A 6242	35.2	-	-	-	-	-	-	-	-	-	-	-	-	-
ASGROW A 6520	36.8	-	-	-	-	-	-	-	-	-	-	-	-	-
CENTENNIAL	35.3	-	42.1	-	42.1	-	1.3	-	1.0	-	31	-	10-13	-
COKER 156	33.2	-	44.2	-	43.2	-	1.3	-	1.0	-	28	-	10-12	-
DAVIS	38.7	-	46.4	-	46.2	-	1.5	-	1.0	-	33	-	10-12	-
DELTAPINE 506	33.7	9.6	43.9	23.0	44.9	-	1.4	-	1.0	-	33	-	10-15	-
DELTAPINE 566	32.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ 6383 R	38.7	-	46.0	-	-	-	-	-	-	-	-	-	-	-
JEFF	33.9	-	44.1	-	44.4	-	1.5	-	1.0	-	32	-	10-14	-
LEFLORE	37.7	-	-	-	-	-	-	-	-	-	-	-	-	-
N.K. S69-54	41.0	-	-	-	-	-	-	-	-	-	-	-	-	-
N.K. S69-96	41.4	-	47.8	-	48.6	-	1.5	-	1.0	-	30	-	10-16	-
TERRA-VIG 616	33.2	-	-	-	-	-	-	-	-	-	-	-	-	-
MEDIUM														
AGRATECK 120	33.8	-	42.3	-	43.0	-	1.8	-	1.0	-	29	-	10-15	-
ASGROW A 7372	40.0	10.9	46.0	25.6	46.9	25.7	1.6	1.0	1.0	1.0	29	21	10-18	10-25
BRAXTON	37.6	9.8	46.1	24.0	47.6	25.7	1.2	1.1	1.0	1.0	34	23	10-21	10-31
COKER 627	34.0	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 417	38.0	-	45.9	-	46.3	-	1.6	-	1.0	-	35	-	10-20	-
DELTAPINE 497	45.2	9.4	48.6	23.0	49.1	22.8	1.3	1.0	1.0	1.0	35	21	10-21	10-30
DUOCROP	-	28.4	-	32.2	-	32.8	-	1.2	-	1.0	-	35	-	11-5
GASOY 17	34.8	-	43.9	-	45.6	-	1.7	-	1.0	-	34	-	10-18	-
HARTZ 7126	48.1	-	50.7	-	-	-	-	-	-	-	-	-	-	-
N.K. S72-60	38.5	17.8	46.3	28.5	47.4	25.7	1.8	1.6	1.0	1.0	34	24	10-16	10-26
RANSOM	43.1	-	48.2	-	47.9	-	1.3	-	1.0	-	30	-	10-19	-
RING AROUND 702	41.4	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 708	39.1	-	49.5	-	47.7	-	1.4	-	1.0	-	31	-	10-17	-
WRIGHT	35.8	-	45.7	-	47.5	-	1.9	-	1.0	-	30	-	10-19	-

CONTINUED ON THE FOLLOWING PAGE

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

BRAND-VARIETY[1]	YIELD PER ACRE[2]						3-YEAR AVERAGE							
	1985		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.		
LATE														
COBB	40.2	13.7	44.2	23.5	46.2	27.0	1.8	1.2	1.0	1.0	38	28	10-31	11-2
COKER 368	39.6	-	44.5	-	46.0	-	1.4	-	1.0	-	37	-	10-24	-
COKER 82-645	47.0	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWLING	43.8	-	47.7	-	49.4	-	1.4	-	1.0	-	37	-	10-29	-
JOHNSTON	44.9	-	47.9	-	44.6	-	1.8	-	1.0	-	27	-	10-19	-
KIRBY	34.8	15.5	41.5	24.6	44.5	23.9	1.3	1.1	1.0	1.0	36	23	10-28	11-2
SANTA ROSA R	37.0	22.0	36.4	27.4	-	30.7	-	2.2	-	1.0	-	32	-	11-9
TERRA-VIG 808	42.2	15.4	47.3	27.3	-	-	-	-	-	-	-	-	-	-
TEST MEANS	38.1	15.3	45.3	25.9	45.8	26.8	1.5	1.3	1.0	1.0	32	26		
L.S.D. (.05)	5.7	5.9	5.4	7.8	6.2	6.7								
C.V. (%)	11.8	40.4	6.6	11.4	5.2	12.6								

[1] VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; MEDIUM = MATURITY GROUP VII; LATE = MATURITY GROUPS VIII AND IX.

[2] THE PLANTING DATE FOR FIRST PLANTING WAS JUNE 16, JUNE 13, AND JUNE 13 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JULY 18, JULY 12, AND JULY 20, RESPECTIVELY.

TABLE 15. PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN[1] (BELLE MINA)	CENTRAL[2] (PRATTVILLE)	SOUTHERN[3] (MONROEVILLE)
	BU.	BU.	BU.
GROUP V			
ASGROW 5149	52.8	-	-
COKER 575	59.8	-	-
DELTAPINE X 675	55.6	-	-
DELTAPINE X 1091	62.6	-	-
DELTAPINE X 2251	48.8	-	-
FFR 560	59.9	40.4	22.5
FFR 562	56.5	47.6	27.5
HARTZ H 80-18048	63.0	-	-
PIONEER 9591	64.5	-	-
SAMPSON	43.3	-	-
TERRA-VIG 515	62.9	-	-
YIELD KING 563	57.0	-	-
ESSEX	61.6	-	-
GROUP VI			
COKER 596	43.7	38.5	-
COKER 686	51.1	-	22.2
GA 79-402	54.8	40.5	-
COKER 156	45.4	43.2	-
ASGROW XP 661	-	42.3	-
COKER 82-829	-	41.9	26.9
COKER 82-832	-	42.2	25.5
COKER 82-836	-	40.7	24.1
COKER 82-319	-	36.2	31.6
DELTAPINE X 777	-	38.3	-
DELTAPINE X 806	-	41.1	-
HARTZ H 79-18926	-	38.5	-
HARTZ H 80-2780	-	37.5	-
HARTZ H 80-8104	-	43.1	-
PIONEER 9691	-	41.1	-

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TABLE 15. PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN 1/ (BELLE MINA)	CENTRAL 2/ (PRATTVILLE)	SOUTHERN 3/ (MONROEVILLE)
	BU.	BU.	BU.
GROUP VII			
FFR 711	36.6	31.3	31.1
FFR 771	29.8	26.7	34.8
COKER 81-191	-	36.8	32.3
COKER 82-585	-	37.4	36.5
COKER 82-606	-	42.2	34.4
COKER 82-621	-	43.0	31.5
COKER 83-268	-	32.0	31.4
BRAXTON	-	28.2	31.4
DELTAPINE X 817	-	-	39.4
DELTAPINE X 1017	-	-	31.9
DELTAPINE X 2106	-	-	37.6
HARTZ H 79-21046	-	-	32.6
PIONEER 9791	-	-	22.0
GROUP VIII			
ASGROW XP 8186	-	-	41.8
HARTZ 8112	-	-	37.5
HARTZ H 80-15966	-	-	35.1
KIRBY	-	-	28.8
TEST MEANS	53.5	31.3	38.8
L.S.D. (0.05)	7.2	6.6	6.8
C.V. (%)	9.5	14.9	12.4

1/ NORTHERN CHECK VARIETIES: ESSEX AND COKER 156.
2/ CENTRAL CHECK VARIETIES: COKER 156 AND BRAXTON.
3/ SOUTHERN CHECK VARIETIES: BRAXTON AND KIRBY.

RECOMMENDED SOYBEAN VARIETIES FOR 1986

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

Early	Full Season	Late
Bay	Asgrow A 6520	Braxton
Bedford	Centennial	Ransom
Deltapine 105	Coker 156	
Essex	Jeff	
Forrest	Ring Around 606	
Hartz 5171	Tracy M	

Central Alabama

Very Early	Early	Full Season	Late
Deltapine 105	AgraTech 67	Braxton	Cobb
Forrest	Centennial	Deltapine 497	Coker 368
Hartz 5370	Coker 156	Hartz 7126 JE	
	Davis		
	N. K. S69-96		
	Tracy M		

Black Belt soils

Very Early	Early	Full Season	Late
Bay	Asgrow A 6520	Braxton	Cobb
Deltapine 105	Centennial	Deltapine 497	Coker 488
	Coker 156	Hartz 7126	
	Davis	Ransom	
	Ring Aroung 680	Wright	
	Tracy M		

Southern Alabama

Very Early	Early	Full Season	Late
Deltapine 105	Centennial	Asgrow A 7372	Cobb
	Coker 156	Braxton	Coker 368
	Davis	Deltapine 417	Dowling
	Jeff	GaSoy 17	Johnston
	Ring Around 606	Hartz 7126	Kirby
	Ring Around 680		
	Tracy M		

(continued on following page)

Baldwin-Mobile

Very Early	Early	Medium	Full Season
Deltapine 105	Davis	Braxton	Cobb
Bedford	Coker 156	Deltapine 497	Coker 368
	Jeff	Terra-Vig 708	Dowling
	N. K. S69-96	Wright	Johnston
			Kirby