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Alabama Agricultural Experiment Station  
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Performance  
of  
Soybean  
Varieties  
in Alabama,  
1986



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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, 1986

W. C. Johnson, D. L. Thurlow<sup>1</sup>

## 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 soils	Marion Junction
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 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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<sup>1</sup> Respectively, Professor and Associate 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 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. The early and late planting date tests are arranged in incomplete lattice square design, with nine entries per maturity group and four replications.

Two planting dates were used for the standard tests at Crossville, Prattville, Brewton, Marion Junction (Vaiden soil), and Fairhope. An entry must perform well in the early standard test before it is in the late date test. Results are reported by planting date in the tables, with date 1 being the early planting and date 2 the later planting at all locations except Brewton where date 2 is the standard test and date 3 is the later planting test. Brewton has an early planting (May 14, 1986) shown in table 12.

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 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 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.

Severe stunting and chlorosis was observed in the varieties planted on Sumter soil at the Black Belt Substation. A chlorosis rating was made on July 8 and again on August 8 with rating of 1 to 10 (table 17). A rating of 1 was no noticeable change in green color from a normal soybean plant to 10 where plants were losing leaves due to necrotic spots in leaves. The yields from areas that showed iron chlorosis are recorded along with yield from the plots that were on adjacent soil showing no chlorosis.

## 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 1986 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 personnel involved in soybean extension and research work reviewed the past 3 years of soybean variety test data to assemble the list of acceptable varieties on page 38. 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	H. W. Grimes J.L. Holliman
Brewton and Monroeville Experiment Fields Brewton and Monroeville	J. R. Akridge
Gulf Coast Substation Fairhope	E. L. Carden N.R. McDaniel M.D. Pegues
Lower Coastal Plain Substation Camden	J. A. Little
Prattville Experiment Field Prattville	D. P. Moore
Sand Mountain Substation Crossville	J. T. Eason M. E. Ruf
Tennessee Valley Substation Belle Mina	W. B. Webster 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 1986

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Alabama Crop Improvement Association Auburn, Alabama	Braxton Cobb Davis Foster Gordon Kirby Leflore
Asgrow Seed Company Kalamazoo, Michigan	Asgrow brand varieties
Bragg Farms Tony, Alabama	Centennial Essex Forrest Ransom
Coker Pedigreed Seed Co. Hartsville, South Carolina	Coker brand varieties RA brand varieties
Delta and Pine Land Company Scott, Mississippi	Deltapine brand varieties
Delta Branch Experiment Station Stoneville, Mississippi	Bedford
Department of Agronomy and Soils Auburn, Alabama	A.U. 82-204 A.U. 82-387 Epps Hutton Narrow
Ellis Brothers Centerville, Alabama	Tracy M Wright
FFR Cooperative W. Lafayette, Indiana	FFR brand varieties
Funks Seed International Greenville, Mississippi	Funks brand varieties
Georgia Seed Development Commission Athens, Georgia	Duocrop GaSoy 17 GA 79-402

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(continued on following page)

Table 1 (continued). Entries and Sources for 1986

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HyPerformer Seed Company Memphis, Tennessee	HyPerformer brand varieties Sampson Shenandoah Shiloh Starr Wilstar brand varieties
Jacob Hartz Seed Company, Inc. Stuttgart, Arkansas	Hartz brand varieties
Missouri Crop Improvement Association Columbia, Missouri	Bradley
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 Eagle Seed Co. Weiner, Arkansas	Yield King brand varieties
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
University of Missouri Columbia, Missouri	Nathan Pershing
Virginia Crop Improvement Association Holley, Virginia	Bay

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Table 2. Cultural Practices for Soybean Variety Tests in 1986

Location	Type test	Date planted	Row width	Herbicide used	Fertilizer applied
Belle Mina	Standard	May 14	36	Prowl	133 lb. of 0-45-0/acre
	Preliminary	May 15	36	Prowl, Dyanap	250 lb. 0-24-24/acre
Crossville	Standard	May 21	30	Dyanap, Dual	200 lb. 0-24-24/acre
	Late	June 19	30	Dyanap, Dual	250 lb. 8-24-24/acre
Camden	Standard	June 4	36	Treflan, Vernam	300 lb. 0-20-20/acre
Prattville	Standard	May 1	30	Treflan	None recommended by soil test
	Preliminary	May 22	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	Early	May 14	36	Treflan, Vernam	None recommended by soil test
	Standard	May 23	36	Treflan, Vernam	None recommended by soil test
	Late	July 11	18	Treflan, Vernam	None recommended by soil test
Marion Junction	Standard (Sumter)	June 6	36	Treflan	200 lb. 0-20-20/acre
	Standard (Vaiden)	May 23	36	Treflan	200 lb. 0-20-20/acre
Fairhope	Standard	June 6	30	Treflan	300 lb. 0-14-14/acre
	Late	July 21	30	Treflan, Dual	300 lb. 0-14-14/acre

TABLE 3. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE								
	BELLE	CROSSVILLE		LOGGING		SHATTERING		PLANT HEIGHT		MATURITY DATE		
	BU.	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.	DATE 1	DATE 2	
VERY EARLY												
PERSHING	31.4	32.4	-	1.1	-	1.0	-	20	-	9-11	-	
RA 480	33.5	32.6	-	2.4	-	1.0	-	37	-	9-13	-	
EARLY												
ASGROW A 5149	32.0	33.0	-	1.3	-	1.0	-	25	-	9-17	-	
ASGROW A 5474	46.8	32.8	-	1.4	-	1.0	-	29	-	9-16	-	
ASGROW A 5980	48.3	35.8	-	2.4	-	1.0	-	35	-	9-23	-	
BAY	41.8	33.8	46.7	1.4	1.0	1.0	1.0	31	29	9-19	10-14	
BEDFORD	45.7	35.8	-	2.4	-	1.0	-	39	-	9-24	-	
COKER 425	35.3	33.2	45.5	1.1	1.0	1.0	1.0	19	20	9-13	10-12	
COKER 485	56.6	42.6	-	1.6	-	1.0	-	30	-	9-28	-	
DELTAPINE X415	52.2	40.3	-	1.5	-	1.0	-	27	-	9-21	-	
DELTAPINE 105	43.8	38.5	53.4	1.8	1.3	1.0	1.0	32	29	9-24	10-16	
DELTAPINE 675	44.6	34.1	-	1.5	-	1.0	-	32	-	9-24	-	
EPPS	49.1	36.2	-	2.5	-	1.0	-	29	-	9-21	-	
ESSEX	42.3	33.2	48.7	1.3	1.0	1.0	1.0	21	20	9-14	10-14	
FFR 560	44.4	37.5	-	2.5	-	1.0	-	38	-	9-23	-	
FFR 561	47.2	36.1	-	1.1	-	1.0	-	23	-	9-21	-	
FFR 562	38.3	35.7	-	1.6	-	1.0	-	34	-	9-26	-	
FORREST	49.5	38.5	43.0	2.0	1.3	1.0	1.0	31	28	9-21	10-12	
HARTZ H X5164	55.7	42.5	-	2.0	-	1.0	-	32	-	9-28	-	
HARTZ H 5171	50.7	40.5	46.0	2.0	1.3	1.0	1.0	35	33	9-26	10-16	
HARTZ H 5252	48.5	36.0	-	1.8	-	1.0	-	32	-	9-21	-	
HARTZ H 5370	52.8	40.1	51.9	1.6	1.8	1.0	1.0	33	31	9-24	10-12	
NARDW	39.1	33.6	-	1.0	-	1.0	-	22	-	9-17	-	
NATHAN	47.6	29.8	-	2.0	-	1.0	-	37	-	9-14	-	
PIONEER 9571	48.5	37.8	48.9	1.9	1.3	1.0	1.0	32	29	9-24	10-14	
PIONEER 9591	46.5	41.8	-	1.3	-	1.0	-	23	-	9-23	-	
SHILOH	39.1	41.7	-	1.4	-	1.0	-	29	-	9-26	-	
TERRA-VIG 505	44.7	30.9	-	2.3	-	1.0	-	34	-	9-25	-	
TERRA-VIG 515	55.3	43.8	-	1.5	-	1.0	-	29	-	9-29	-	
TERRA-VIG 553	44.5	36.8	-	1.5	-	1.0	-	30	-	9-21	-	
WILSTAR 550	37.1	36.5	-	1.8	-	1.0	-	32	-	9-24	-	
YIELD KING 503	38.9	36.5	-	2.1	-	1.0	-	38	-	9-17	-	
YIELD KING 593	47.1	40.3	43.1	2.0	1.0	1.0	1.0	35	29	9-30	10-10	

CONTINUED ON THE FOLLOWING PAGE

TABLE 3. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE			REGIONAL AVERAGE								
	BELLE	CROSSVILLE		LODGING		SHATTERING		PLANT HEIGHT		MATURITY DATE		
	BU.	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	
MEDIUM												
ASGROW A 6242	47.9	41.3	-	2.0	-	1.0	-	33	-	10-4	-	
ASGROW A 6520	49.1	39.9	50.0	1.5	1.5	1.0	1.3	29	27	10-4	10-16	
BRADLEY	42.1	41.4	45.5	2.4	2.3	1.0	1.0	30	30	10-1	10-17	
CENTENNIAL	42.5	41.4	45.4	1.8	1.3	1.0	1.0	35	32	10-12	10-19	
COKER 156	41.8	39.7	54.2	1.8	1.3	1.0	1.3	36	30	10-12	10-20	
COKER 686	48.7	43.3	-	1.9	-	1.0	-	36	-	10-10	-	
DELTAPINE 506	38.3	30.4	-	2.3	-	1.0	-	38	-	10-11	-	
DELTAPINE 566	42.9	44.2	-	1.5	-	1.0	-	36	-	10-13	-	
FFR 668	34.4	38.6	-	2.0	-	1.0	-	35	-	10-14	-	
GA 79-402	45.9	39.2	-	1.6	-	1.0	-	32	-	9-26	-	
HARTZ H X6385	48.6	40.9	-	1.8	-	1.0	-	35	-	10-12	-	
HARTZ H 6130	45.4	43.5	-	1.5	-	1.0	-	38	-	10-6	-	
HARTZ H 6383R	46.1	42.5	-	1.9	-	1.0	-	36	-	10-12	-	
JEFF	44.9	41.2	-	2.6	-	1.0	-	38	-	10-12	-	
LEFLORE	48.3	41.6	48.4	1.8	1.3	1.0	1.0	38	33	10-11	10-19	
N.K. S69-54	50.6	44.1	-	1.9	-	1.0	-	30	-	10-12	-	
N.K. S69-96	39.8	40.8	53.1	1.9	1.8	1.0	1.0	35	32	10-12	10-23	
PIONEER 9691	50.5	40.7	-	1.9	-	1.0	-	36	-	10-12	-	
RA 606	46.9	41.0	49.5	2.6	2.5	1.0	1.0	41	34	10-3	10-23	
RA 680	43.6	38.3	-	1.6	-	1.0	-	34	-	10-11	-	
SAMPSON	40.6	40.0	-	1.8	-	1.5	-	32	-	10-14	-	
TERRA-VIG 606	42.8	41.3	-	1.8	-	1.0	-	33	-	10-10	-	
TERRA-VIG 616	42.3	39.3	-	2.4	-	1.0	-	38	-	10-11	-	
TRACY H	42.5	40.1	43.9	2.0	2.0	1.0	1.3	33	29	10-8	10-17	
YIELD KING 613	43.4	33.5	-	2.1	-	1.0	-	42	-	9-30	-	
YOUNG	37.2	37.5	45.8	2.0	1.5	1.0	1.0	37	31	10-1	10-24	
LATE												
BRAXTON	25.5	40.7	53.2	1.8	1.5	2.5	1.0	40	34	10-16	10-24	
COKER 237	-	-	47.9	-	1.0	-	1.0	-	31	-	10-25	
COKER 627	-	-	47.7	-	1.8	-	1.0	-	33	-	10-25	
DELTAPINE 497	-	-	45.3	-	1.0	-	1.0	-	32	-	10-25	
DUOCROP	-	-	52.7	-	1.8	-	1.0	-	33	-	10-26	
HARTZ H 7126	-	-	49.7	-	2.0	-	1.3	-	34	-	10-26	
TERRA-VIG 708	-	-	53.9	-	1.8	-	1.0	-	30	-	10-25	
TERRA-VIG 717	-	-	51.8	-	1.8	-	1.0	-	29	-	10-25	
WRIGHT	-	-	49.8	-	1.8	-	1.3	-	34	-	10-26	
TEST MEANS	44.2	38.3	48.7	1.8	1.5	1.0	1.0	33	30			
L.S.D. (.05)	8.5	5.3										
C.V. (%)	13.8	9.8										

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, 1986

BRAND-VARIETY	YIELD PER ACRE		LOGGING SCORE	SHATTERING SCORE	REGIONAL AVERAGE	
	CAMDEN BU.	PRATTVILLE BU.			PLANT HEIGHT IN.	MATURITY DATE
<b>VERY EARLY</b>						
RA 480	23.3	19.0	1.5	2.0	26	10-3
<b>EARLY</b>						
ASGROW A 5980	25.7	19.8	1.3	1.8	26	10-5
BAY	19.4	16.8	1.0	2.7	19	10-4
COKER 425	22.0	15.5	1.0	2.1	16	10-3
COKER 485	26.0	14.4	1.8	2.1	22	10-5
DELTAPINE X415	26.1	16.4	1.2	1.8	20	10-5
DELTAPINE 105	28.7	18.7	1.6	1.8	24	10-3
FFR 560	25.0	19.5	1.8	2.4	26	10-7
FFR 561	26.4	17.2	1.0	2.0	19	10-4
FORREST	27.7	17.2	1.5	1.6	22	10-4
HARTZ H 5370	23.9	19.9	1.5	1.6	23	10-4
PIONEER 9571	25.2	19.4	1.3	1.9	24	10-6
TERRA-VIG 505	30.0	13.7	2.0	2.8	24	10-3
TERRA-VIG 515	26.8	15.0	1.5	2.0	23	10-5
<b>MEDIUM</b>						
ASGROW A 6520	38.2	17.0	2.0	1.5	24	10-7
ASGROW A 6785	34.7	21.8	1.9	2.3	27	10-7
BRADLEY	24.8	18.9	1.2	2.1	21	10-6
CENTENNIAL	27.9	13.5	1.3	1.5	24	10-12
COKER 156	32.1	15.2	1.3	1.5	24	10-10
DAVIS	30.1	17.8	1.3	2.5	28	10-9
DELTAPINE 566	32.4	14.0	1.0	1.5	27	10-14
FFR 668	31.8	10.9	1.9	1.9	25	10-17
GA 79-402	30.6	18.1	1.3	2.3	24	10-4
HARTZ H X6385	37.9	14.9	1.5	1.5	25	10-11
HARTZ H 6383R	33.4	16.3	1.7	1.5	27	10-11
LEFLORE	30.9	17.5	1.4	1.5	28	10-11
N.K. S69-96	33.3	14.5	1.3	1.5	26	10-13
PIONEER 9691	33.8	16.1	1.8	1.8	27	10-12
RA 606	29.9	17.0	1.4	2.4	29	10-8
RA 680	33.1	17.0	1.4	1.5	25	10-11
TERRA-VIG 606	32.2	14.8	1.3	1.5	26	10-12
TRACY M	28.4	15.4	1.9	1.9	27	10-12
YIELD KING 613	32.9	17.0	1.3	2.0	31	10-9
YOUNG	29.6	20.1	2.0	2.2	29	10-7

CONTINUED ON THE FOLLOWING PAGE

TABLE 4. PERFORMANCE OF SOYBEAN VARIETIES IN CENTRAL ALABAMA, 1946

BRAND-VARIETY	YIELD PER ACRE		LOGGING SCORE	SHATTERING SCORE	REGIONAL AVERAGE	
	CAMDEN BU.	PRATTVILLE QU.			PLANT HEIGHT IN.	MATURITY DATE
LATE						
AU 82-204	28.9	14.0	1.3	1.5	23	10-13
AU 82-387	34.5	18.5	1.8	1.5	25	10-15
BRAXTON	28.8	14.8	1.2	1.5	28	10-17
COBB	33.6	14.0	1.8	2.1	32	10-21
COKER 237	30.4	14.3	1.5	1.5	27	10-13
COKER 368	34.8	13.4	2.1	1.5	29	10-19
COKER 627	34.0	12.6	1.8	1.5	28	10-17
COKER 81-191	34.6	13.3	1.9	1.5	24	10-16
DELTAPINE 417	25.9	11.8	1.2	1.6	32	10-19
DELTAPINE 497	40.6	14.1	2.0	1.5	31	10-16
DOWLING	31.3	12.6	1.8	1.8	30	10-22
FFR 771	29.9	9.7	1.5	1.5	31	10-19
FOSTER	32.6	18.4	2.0	1.5	27	10-17
GASOY 17	26.4	17.6	1.5	1.5	28	10-18
GORDON	30.9	14.5	1.6	1.5	28	10-15
HARTZ H 7110	39.4	16.2	2.0	1.5	30	10-13
HARTZ H 7126	26.4	15.8	1.8	1.5	28	10-13
HUTTON	27.2	9.2	1.5	1.5	27	10-21
JOHNSTON	32.4	11.4	1.6	1.5	25	10-16
KIRBY	28.4	6.8	1.9	1.9	30	10-25
N.K. 572-60	32.6	17.9	2.3	1.5	29	10-13
STARR	21.9	12.1	1.0	1.6	23	10-17
TERRA-VIG 708	31.6	13.1	1.6	1.5	25	10-13
TERRA-VIG 717	32.7	15.1	1.5	1.6	26	10-14
TERRA-VIG 808	33.1	12.9	2.4	1.5	27	10-17
WRIGHT	30.9	19.2	1.8	1.5	30	10-15
TEST MEANS	30.1	15.6	1.6	1.8	26	
L.S.D. (.05)	6.0	4.1				
C.V. (%)	14.4	19.0				

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 BREWTON ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE		LOGGING		SHATTERING		PLANT HEIGHT		MATURITY DATE	
	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2	DATE 1	DATE 2
	BU.	BU.	SCORE	SCORE	SCORE	SCORE	IN.	IN.		
VERY EARLY										
DELTAPINE 105	48.7	-	1.3	-	1.0	-	34	-	9-15	-
FORREST	38.7	-	1.0	-	1.0	-	30	-	9-15	-
EARLY										
ASGROW A 6242	38.9	23.7	1.0	1.0	1.0	1.0	31	25	9-18	9-25
ASGROW A 6520	39.9	25.9	1.0	1.0	1.0	1.0	32	23	9-22	10-4
COKER 156	44.3	-	1.0	-	1.0	-	37	-	9-23	-
DAVIS	45.9	35.1	2.0	1.0	1.0	1.0	38	29	10-2	10-10
DELTAPINE 506	33.6	-	1.3	-	1.0	-	37	-	10-3	-
DELTAPINE 566	43.9	-	1.0	-	1.0	-	34	-	9-24	-
GA 79-402	43.3	-	1.0	-	1.0	-	33	-	9-20	-
HARTZ H 6130	38.5	-	1.0	-	1.0	-	38	-	9-22	-
HARTZ H 6383R	37.1	29.0	2.0	1.5	1.0	1.0	37	28	10-3	10-8
JEFF	39.9	31.1	1.8	1.5	1.0	1.0	40	28	10-2	10-7
LEFLORE	44.1	-	1.5	-	1.0	-	37	-	10-2	-
N.K. 569-54	39.3	34.1	1.0	1.5	1.0	1.0	33	28	9-30	10-7
N.K. 569-96	41.3	30.2	1.0	1.0	1.0	1.0	34	24	9-27	10-11
RA 606	45.0	32.2	2.0	1.0	1.0	1.0	38	30	9-24	10-4
RA 680	40.5	-	1.0	-	1.0	-	34	-	9-29	-
TERRA-VIG 606	42.4	-	1.0	-	1.0	-	35	-	9-25	-
TERRA-VIG 616	42.4	-	1.3	-	1.0	-	37	-	10-6	-
TRACY M	34.5	25.3	1.0	1.5	1.0	1.0	35	28	9-21	9-28

CONTINUED ON THE FOLLOWING PAGE

TABLE 5. PERFORMANCE OF SOYBEAN VARIETIES IN BRENTON, ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE		LOGGING		SHAKING		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.		
<b>MEDIUM</b>										
ASGROW A 7372	34.9	-	1.0	-	1.0	-	34	-	10-6	-
ASGROW A 7986	28.9	-	1.0	-	1.0	-	35	-	10-17	-
AU 82-204	40.7	-	1.0	-	1.0	-	34	-	10-1	-
AU 82-387	39.2	-	1.0	-	1.0	-	33	-	10-6	-
BRAXTON	41.4	30.2	1.3	1.0	1.0	1.0	36	26	10-9	10-11
COKER 237	48.8	-	1.0	-	1.0	-	39	-	10-4	-
COKER 627	33.2	-	1.5	-	1.0	-	37	-	10-3	-
COKER 81-191	41.6	-	1.0	-	1.0	-	35	-	10-6	-
COKER 82-606	41.8	-	1.0	-	1.0	-	38	-	10-5	-
DELTAPINE 617	34.1	31.3	1.3	1.0	1.0	1.0	43	29	10-6	10-13
DELTAPINE 697	-	34.9	1.0	1.0	1.0	1.0	45	30	10-8	10-13
DUOCRDP	28.0	21.9	2.0	1.3	1.0	1.0	57	34	9-22	10-3
FFR 771	41.1	-	2.0	-	1.0	-	40	-	10-10	-
GASOY 17	39.1	33.2	1.8	1.0	1.0	1.0	38	28	10-6	10-15
GORDON	36.4	-	2.0	-	1.0	-	37	-	10-3	-
HARTZ H 7110	35.0	-	1.5	-	1.0	-	35	-	9-30	-
HARTZ H 7126	31.6	22.5	2.0	1.0	1.0	1.0	39	29	10-4	10-8
N.K. 572-60	34.3	-	2.3	-	1.0	-	33	-	10-6	-
PIONEER 9791	45.7	-	1.0	-	1.0	-	35	-	10-5	-
RA 702	37.6	36.3	1.0	1.0	1.0	1.0	34	26	10-2	10-10
STARR	32.7	31.3	1.8	1.0	1.0	1.0	34	21	10-3	10-10
TERRA-VIG 708	-	-	1.0	-	1.0	-	36	-	10-10	-
TERRA-VIG 717	42.3	20.4	1.3	1.0	1.0	1.0	34	22	10-8	10-13
WILSTAR 790	35.0	-	1.3	-	1.0	-	38	-	10-13	-
WRIGHT	35.6	-	2.5	-	1.0	-	36	-	10-8	-
<b>LATE</b>										
COBB	24.8	31.8	2.0	1.0	1.0	1.0	42	34	10-21	10-24
COKER 368	39.7	30.9	1.8	1.0	1.0	1.0	40	29	10-9	10-15
COKER 738	33.0	-	1.0	-	1.0	-	38	-	10-3	-
DOWLING	-	22.5	1.5	1.0	1.0	1.3	35	27	10-21	10-23
FOSTER	-	25.8	-	1.0	-	1.0	-	25	-	10-16
HARTZ H 8112	26.9	-	1.0	-	1.0	-	37	-	10-7	-
HUTTON	21.5	21.6	1.0	1.0	1.0	1.0	35	25	10-11	10-17
JOHNSTON	39.4	34.0	1.3	1.0	1.0	1.0	35	25	10-6	10-13
KIRBY	32.9	27.3	1.0	1.0	1.0	1.0	38	30	10-9	10-18
SANTA ROSA R	-	7.5	-	1.5	-	1.0	-	35	-	10-24
TERRA-VIG 808	29.6	16.4	1.8	1.0	1.0	1.0	36	27	10-3	10-9
<b>TEST MEANS</b>										
	37.8	27.6	1.3	1.1	1.0	1.0	36	27		
L.S.D. (0.05)	8.3									
C.V. (%)	15.6	23.9								

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

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES ON SUMMER SOIL, MARION JUNCTION, ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE BU.	AVERAGE		Maturity Date
		LODGING SCORE	SHATTERING SCORE	
<b>VERY EARLY</b>				
RA 480	27.0	2.0	1.0	10-2
<b>EARLY</b>				
RAY	14.7	1.0	1.0	10-1
BEDFORD	11.1	1.0	1.0	10-11
COKER 485	24.5	1.0	1.0	10-5
DELTAPINE 105	24.9	1.0	1.0	10-3
DELTAPINE 675	22.9	1.0	1.0	10-2
FFR 562	24.2	1.0	1.0	10-3
FORREST	7.1	1.3	1.0	10-8
HARTZ H 517L	16.0	1.0	1.0	10-8
HARTZ H 5370	20.1	1.0	1.0	10-1
SHILOH	22.7	1.0	1.0	10-6
TERRA-VIG 505	16.8	1.0	1.0	10-5
TERRA-VIG 553	24.4	1.0	1.0	9-30
WILSTAR 550	26.7	1.0	1.0	10-3
YIELD KING 593	22.2	1.0	1.0	10-4
<b>MEDIUM</b>				
ASGROW A 6242	20.6	1.0	1.0	10-6
ASGROW A 6520	18.5	1.0	1.0	10-10
CENTENNIAL	21.2	1.0	1.0	10-11
COKER 156	27.7	1.0	1.0	10-9
COKER 686	22.2	1.0	1.0	10-11
DAVIS	33.9	1.3	1.0	10-7
DELTAPINE 506	30.5	1.5	1.0	10-9
DELTAPINE 566	18.1	1.0	1.0	10-11
GA 79-402	20.6	1.0	1.0	10-10
HARTZ H 6130	17.4	1.0	1.0	10-10
JEFF	20.8	2.0	1.0	10-9
LEFLORE	20.3	1.0	1.0	10-11
N.K. 569-54	21.7	1.0	1.0	10-12
N.K. 569-96	25.6	1.3	1.0	10-7
RA 606	25.1	2.0	1.0	10-7
RA 680	21.8	1.0	1.0	10-10
TERRA-VIG 606	14.7	1.0	1.0	10-10
TERRA-VIG 616	20.4	1.5	1.0	10-7
TRACY H	31.7	1.5	1.0	10-7
YIELD KING 613	30.6	1.5	1.0	10-5
YOUNG	22.2	1.5	1.0	10-6

CONTINUED ON THE FOLLOWING PAGE

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES ON SUMMER SOIL, MARION JUNCTION, ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE BU.	LOGGING SCORE	SHATTERING SCORE	AVERAGE	MATURITY DATE
				PLANT HEIGHT IN.	
<b>FULL SEASON</b>					
ASGROW A 7986	33.1	1.3	1.0	31	10-20
AU 82-204	25.6	1.0	1.0	19	10-13
AU 82-387	9.1	1.0	1.0	14	10-16
BRAXTON	30.5	1.0	1.0	31	10-15
COKER 627	29.3	1.3	1.0	24	10-14
DELTAPINE 417	22.2	1.3	1.0	25	10-16
DELTAPINE 497	24.3	1.3	1.0	24	10-17
DUOCROP	20.5	1.0	1.0	27	10-7
GASOY 17	20.0	1.0	1.0	21	10-14
GORDON	14.5	1.0	1.0	18	10-14
HARTZ H 7110	9.5	2.0	1.0	21	10-16
HARTZ H 7126	9.4	1.0	1.0	14	10-18
N.K. 572-60	24.2	1.5	1.0	24	10-13
PIONEER 9791	23.1	1.0	1.0	20	10-17
RA 702	15.4	1.0	1.0	20	10-11
RANSOM	30.9	1.0	1.0	23	10-12
STARR	15.0	1.0	1.0	14	10-14
TERRA-VIG 708	23.5	1.3	1.0	21	10-13
WILSTAR 790	18.8	1.0	1.0	25	10-13
WRIGHT	26.5	1.5	1.0	25	10-13
<b>LATE</b>					
COBB	16.8	1.0	1.0	22	10-18
COKER 368	10.5	1.0	1.0	14	10-25
COKER 738	19.7	1.0	1.0	18	10-24
DOWLING	16.8	1.0	1.0	19	10-24
FOSTER	1.4	1.0	1.0	8	10-18
HARTZ H 8112	19.7	1.0	1.0	21	10-17
HUTTON	18.6	1.0	1.0	26	10-15
JOHNSTON	28.3	1.3	1.0	24	10-14
KIRBY	6.0	1.0	1.0	13	10-23
TERRA-VIG 808	17.0	1.0	1.0	17	10-16
<b>TEST MEANS</b>					
	20.9	1.1	1.0	20	
L.S.D. (.05)	11.5				
C.V. (%)	32.8				

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

TABLE 7. PERFORMANCE OF SOYBEAN VARIETIES ON VALDEN SOIL, MARION JUNCTION, ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE BU.	AVERAGE		PLANT HEIGHT IN.	MATURITY DATE
		LODGING SCORE	SHATTERING SCORE		
<b>VERY EARLY</b>					
RA 480	38.7	2.3	1.0	44	9-23
<b>EARLY</b>					
BAY	41.4	1.0	1.0	27	9-28
BEDFORD	44.8	1.0	1.0	36	9-28
COKER 485	53.2	1.0	1.0	31	9-29
DELTAPINE 105	50.2	1.5	1.0	34	9-28
DELTAPINE 675	37.1	1.0	1.0	33	9-27
FFR 562	49.9	1.3	1.0	38	9-30
FORREST	46.8	1.0	1.0	28	9-27
HARTZ H 5171	45.9	1.3	1.0	34	9-28
HARTZ H 5370	49.7	1.0	1.0	33	9-28
SHILOH	41.4	1.0	1.0	29	10-1
TERRA-VIG 505	34.5	2.0	1.0	33	9-26
TERRA-VIG 553	46.8	1.0	1.0	30	9-25
WILSTAR 550	40.2	1.0	1.0	33	10-1
YIELD KING 593	43.0	1.3	1.0	35	10-3
<b>MEDIUM</b>					
ASGROW A 6242	44.2	1.3	1.0	32	10-1
ASGROW A 6520	50.7	1.0	1.0	33	10-5
CENTENNIAL	47.4	1.0	1.0	36	10-10
COKER 156	46.6	1.0	1.0	36	10-11
COKER 686	38.6	1.0	1.0	37	10-6
DAVIS	48.8	2.5	1.0	38	10-7
DELTAPINE 506	44.7	2.0	1.0	40	10-18
DELTAPINE 566	47.0	1.0	1.0	34	10-8
GA 79-402	45.1	1.0	1.0	32	9-29
HARTZ H 6130	47.6	1.0	1.0	35	10-7
JEFF	38.6	2.0	1.0	36	10-8
LEFLORE	46.5	1.5	1.0	39	10-9
N.K. 569-54	41.5	1.5	1.0	30	10-12
N.K. 569-96	38.2	1.8	1.0	34	10-6
RA 606	41.8	2.3	1.0	40	10-5
RA 680	43.8	1.0	1.0	36	10-9
TERRA-VIG 606	44.3	1.0	1.0	34	10-8
TERRA-VIG 616	30.1	2.5	1.0	33	10-20
TRACY M	49.4	1.5	1.0	35	10-5
YIELD KING 613	44.5	1.8	1.0	44	10-9
YOUNG	44.2	1.8	1.0	39	10-6

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TABLE 7. PERFORMANCE OF SOYBEAN VARIETIES ON VALDEM SOIL, MARION JUNCTION, ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE BU <sub>a</sub>	LOGGING SCORE	SHATTERING SCORE	AVERAGE	
				PLANT HEIGHT IN <sub>a</sub>	MATURITY DATE
<b>FULL SEASON</b>					
ASGROW A 7986	44.7	2.0	1.0	39	10-28
AU 82-204	39.8	2.0	1.0	32	10-18
AU 82-387	37.0	2.5	1.0	35	10-14
BRAXTON	45.6	1.8	1.0	41	10-25
COKER 627	38.6	1.5	1.0	39	10-17
DELTAPINE 417	37.9	3.3	1.0	41	10-23
DELTAPINE 497	34.3	2.5	1.0	44	10-24
DUOCROP	34.3	3.0	1.0	50	10-8
GASOY 17	24.0	3.8	1.0	41	10-10
GORDON	30.2	2.0	1.0	40	10-10
HARTZ H 7110	39.7	1.8	1.0	35	10-19
HARTZ H 7126	36.9	2.3	1.0	40	10-26
N.K. 572-60	39.0	2.5	1.0	38	10-11
PIONEER 9791	45.3	1.5	1.0	34	9-7
RA 702	25.8	1.0	1.0	35	10-9
RANSOM	37.7	1.8	1.0	35	10-20
STARR	34.9	2.5	1.0	36	9-5
TERRA-VIG 708	35.7	2.5	1.0	32	9-4
WILSTAR 790	23.1	1.8	1.0	36	9-7
WRIGHT	23.9	3.5	1.0	37	10-21
<b>LATE</b>					
COBB	25.8	2.5	1.0	43	10-30
COKER 368	34.6	1.8	1.0	42	10-19
COKER 738	38.4	1.3	1.0	41	10-23
DOWLING	28.8	3.5	1.0	38	10-28
FOSTER	18.1	3.5	1.0	37	10-10
HARTZ H 8112	34.4	1.3	1.0	41	10-28
HUTTON	12.9	3.8	1.0	33	10-24
JOHNSTON	31.0	2.3	1.0	35	10-19
KIRBY	21.8	2.3	1.0	35	10-24
TERRA-VIG 808	24.4	3.3	1.0	36	10-12
<b>TEST MEANS</b>					
	38.9	1.8	1.0	36	
L.S.D. (.05)	7.8				
C.V. (%)	22.4				

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

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE		AVERAGE				PLANT HEIGHT		MATURITY DATE	
			LOGGING		SHATTERING					
	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.		
<b>VERY EARLY</b>										
DELTAPINE 105	44.1	-	1.0	-	1.0	-	35	-	9-26	-
FORREST	45.4	-	1.0	-	1.0	-	31	-	9-24	-
WILSTAR 550	41.0	-	1.5	-	1.0	-	33	-	9-26	-
<b>EARLY</b>										
ASGROW A 6242	47.0	8.3	1.0	1.0	1.0	1.0	29	13	9-29	10-27
ASGROW A 6520	49.7	17.7	1.0	1.0	1.0	1.0	30	16	10-1	10-30
DAVIS	41.5	28.9	1.8	1.0	1.0	1.0	37	21	10-3	11-6
DELTAPINE 506	37.1	-	1.3	-	1.0	-	38	-	10-8	-
GA 79-402	50.7	-	1.0	-	1.0	-	34	-	9-26	-
HARTZ H 6130	49.4	-	1.0	-	1.0	-	37	-	10-1	-
HARTZ H 6383R	50.8	17.5	1.5	1.0	1.0	1.0	36	16	10-10	10-30
JEFF	48.8	16.9	1.8	1.0	1.0	1.0	38	19	10-6	11-1
LEFLORE	50.3	12.9	1.0	1.0	1.0	1.0	40	15	10-4	10-27
V.K. S69-54	51.6	15.4	1.0	1.0	1.0	1.0	33	18	10-6	11-2
V.K. S69-96	45.0	8.7	1.0	1.0	1.0	1.0	32	13	10-9	11-1
RA 680	48.9	-	1.0	-	1.0	-	37	-	10-5	-
TERRA-VIG 606	38.6	-	1.0	-	1.0	-	35	-	10-10	-
TERRA-VIG 616	44.9	-	1.5	-	1.0	-	30	-	10-10	-
TRACY 4	37.1	10.4	1.0	1.0	1.0	1.0	32	17	9-30	10-27
<b>MEDIUM</b>										
ASGROW A 7372	40.6	-	1.0	-	1.0	-	33	-	10-10	-
AU 82-204	51.3	-	1.0	-	1.0	-	30	-	10-7	-
AU 82-387	48.7	-	1.0	-	1.0	-	31	-	10-13	-
BRAXTON	38.6	20.9	1.0	1.0	1.0	1.0	40	16	10-16	11-1
COKER 237	35.3	-	1.0	-	1.0	-	36	-	10-10	-
COKER 627	43.7	-	1.5	-	1.0	-	38	-	10-10	-
COKER 81-191	53.9	-	1.3	-	1.0	-	37	-	10-8	-
COKER 82-606	52.3	-	1.0	-	1.0	-	42	-	10-13	-
DELTAPINE X1017	38.8	-	1.3	-	1.0	-	31	-	10-9	-
DELTAPINE 417	38.7	5.6	1.3	1.0	1.0	1.0	44	12	10-12	11-1
DELTAPINE 497	38.4	15.8	1.0	1.0	1.0	1.0	46	16	10-13	10-31
DUOCROP	31.4	33.3	2.0	1.0	1.0	1.0	45	32	9-30	11-11
FFR 771	24.4	-	1.0	-	1.0	-	43	-	10-16	-
GORDON	44.3	-	1.5	-	1.0	-	43	-	10-9	-
HARTZ H 7110	49.0	-	1.3	-	1.0	-	38	-	10-9	-
HARTZ H 7126	48.0	23.2	1.5	1.0	1.0	1.0	39	18	10-8	11-1
N.K. S72-60	46.3	8.4	1.5	1.0	1.0	1.0	40	15	10-7	10-29
PIONEER 9791	43.7	-	1.0	-	1.0	-	33	-	10-11	-
RA 702	52.1	20.0	1.0	1.0	1.0	1.0	36	16	10-8	10-30
RANSOM	39.4	25.0	1.3	1.0	1.0	1.0	34	17	10-11	11-1
STARR	36.8	-	1.0	-	1.0	-	32	-	10-9	-
TERRA-VIG 708	33.5	7.9	1.0	1.0	1.0	1.0	34	14	10-15	10-31
TERRA-VIG 717	47.6	-	1.3	-	1.0	-	33	-	10-13	-
WILSTAR 790	37.2	-	1.0	-	1.0	-	37	-	10-17	-
WBIGHT	42.0	-	2.2	-	1.0	-	34	-	10-14	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 1986

BRAND-VARIETY	YIELD PER ACRE		LOGGING		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										
COBB	28.5	29.5	1.0	1.0	1.0	1.0	41	23	10-21	11-10
COKER 368	48.5	16.4	2.0	1.0	1.0	1.0	41	17	10-19	11-2
COKER 738	48.2	-	1.0	-	1.0	-	37	-	10-15	-
DOWLING	38.6	-	1.0	1.0	1.0	1.0	36	11	10-26	11-4
FOSTER	-	13.5	-	1.0	-	1.0	-	15	-	10-30
HARTZ H 8112	41.7	-	1.0	-	1.0	-	40	-	10-10	-
HARTZ H 9190	18.6	-	1.0	-	1.0	-	53	-	11-6	-
HUTTON	30.0	5.7	1.3	1.0	1.0	1.0	28	12	10-13	11-1
JOHNSTON	43.7	11.4	2.0	1.0	1.0	1.0	34	15	10-13	11-1
KIRBY	43.3	14.9	2.0	1.0	1.0	1.0	40	16	10-19	11-2
SANTA ROSA R	29.7	30.9	2.0	1.3	1.0	1.0	54	27	10-30	11-10
TERRA-VIG 808	49.0	6.1	2.0	1.0	1.0	1.0	35	14	10-13	11-1
TEST MEANS	42.6	16.4	1.3	1.0	1.0	1.0	37	17		
L.S.D. (.05)	8.1									
C.V. (%)	17.9									

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	YIELD PER ACRE						3-YEAR AVERAGE							
	1986		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														
PERSHING	31.9	-	41.2	-	-	-	-	-	-	-	-	-	-	-
RA 480	33.1	-	-	-	-	-	-	-	-	-	-	-	-	-
EARLY														
ASGROW A 5149	32.5	-	-	-	-	-	-	-	-	-	-	-	-	-
ASGROW A 5474	39.8	-	47.2	-	44.6	-	1.6	-	1.0	-	34	-	9-21	-
ASGROW A 5980	42.1	-	48.6	-	-	-	-	-	-	-	-	-	-	-
BAY	37.8	46.7	48.2	43.1	44.8	41.2	1.5	2.0	1.0	1.2	35	33	9-22	10-11
BEDFORD	40.7	-	46.6	-	44.7	-	3.1	-	1.0	-	43	-	9-26	-
COKER 425	34.2	45.5	44.5	43.2	45.2	41.2	1.2	1.0	1.1	1.1	24	25	9-20	10-5
COKER 485	49.6	-	51.8	-	47.9	-	2.1	-	1.0	-	34	-	9-28	-
DELTAPINE X415	46.2	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 105	41.2	53.4	49.1	46.1	47.1	42.8	2.6	2.4	1.1	1.0	36	34	9-27	10-13
DELTAPINE 675	39.4	-	-	-	-	-	-	-	-	-	-	-	-	-
EPPS	42.7	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSEX	37.8	48.7	44.9	44.5	46.6	42.2	1.3	1.6	1.1	1.3	26	26	9-18	10-6
FFR 560	40.9	-	-	-	-	-	-	-	-	-	-	-	-	-
FFR 561	41.7	-	48.4	-	-	-	-	-	-	-	-	-	-	-
FFR 562	37.0	-	-	-	-	-	-	-	-	-	-	-	-	-
FORREST	44.0	43.0	52.3	39.3	48.6	36.2	2.5	2.0	1.0	1.0	34	33	9-23	10-10
HARTZ H X5164	49.1	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 5171	45.6	46.0	50.8	-	46.5	-	3.0	-	1.1	-	39	-	9-27	-
HARTZ H 5252	42.3	-	48.0	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 5370	46.5	51.9	51.3	-	46.0	-	2.6	-	1.0	-	37	-	9-26	-
NAROW	36.3	-	45.6	-	-	-	-	-	-	-	-	-	-	-
NATHAN	38.7	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9571	43.2	48.9	50.7	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9591	44.1	-	-	-	-	-	-	-	-	-	-	-	-	-
SHILOH	40.4	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 505	37.8	-	46.3	-	42.8	-	3.0	-	1.0	-	38	-	9-26	-
TERRA-VIG 515	49.6	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 553	40.6	-	48.1	-	-	-	-	-	-	-	-	-	-	-
WILSTAR 550	36.8	-	43.1	-	41.5	-	2.5	-	1.0	-	35	-	9-27	-
YIELD KING 503	37.7	-	46.7	-	-	-	-	-	-	-	-	-	-	-
YIELD KING 593	43.7	43.1	48.0	-	43.8	-	3.1	-	1.1	-	38	-	10-2	-

CONTINUED ON THE FOLLOWING PAGE

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

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1986		2-YR. AV.		3-YR. AV.		LOGGING		SPATTERING		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.		
<b>MEDIUM</b>														
ASGROW A 6242	44.6	-	-	-	-	-	-	-	-	-	-	-	-	-
ASGROW A 6520	44.5	50.0	46.5	43.3	43.0	39.0	2.7	1.9	1.1	1.1	34	32	10-2	10-14
BRADLEY	41.8	45.5	45.4	41.7	41.8	38.0	3.3	2.9	1.0	1.0	35	34	9-30	10-14
CENTENNIAL	42.0	45.4	45.0	-	39.8	-	2.7	-	1.0	-	39	-	10-7	-
COKER 156	40.8	54.2	44.5	46.8	40.8	42.1	2.6	1.4	1.0	1.3	38	33	10-6	10-14
COKER 686	46.0	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 506	34.4	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 566	43.6	-	-	-	-	-	-	-	-	-	-	-	-	-
FFR 668	36.5	-	-	-	-	-	-	-	-	-	-	-	-	-
GA 79-402	42.6	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ II X6385	44.8	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ II 6130	44.4	-	44.3	-	40.7	-	2.3	-	1.0	-	41	-	10-3	-
HARTZ II 6383R	44.3	-	-	-	-	-	-	-	-	-	-	-	-	-
JEFF	43.0	-	43.6	-	41.0	-	3.5	-	1.0	-	40	-	10-6	-
LEFLORE	44.9	48.4	45.2	-	-	-	-	-	-	-	-	-	-	-
N.K. 569-54	47.3	-	-	-	-	-	-	-	-	-	-	-	-	-
N.K. 569-96	40.3	53.1	43.6	44.2	39.0	38.7	3.3	2.3	1.0	1.0	40	35	10-7	10-18
PIONEER 9691	45.6	-	-	-	-	-	-	-	-	-	-	-	-	-
RA 606	43.9	49.5	47.9	-	43.8	-	3.7	-	1.1	-	43	-	10-2	-
RA 680	40.9	-	-	-	-	-	-	-	-	-	-	-	-	-
SAMPSON	40.3	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 606	42.1	-	43.3	-	40.5	-	2.8	-	1.3	-	38	-	10-6	-
TERRA-VIG 616	40.8	-	-	-	-	-	-	-	-	-	-	-	-	-
TRACY M	41.3	43.9	46.9	41.0	42.9	36.9	2.8	2.0	1.2	1.1	36	33	10-3	10-14
YIELD KING 613	38.4	-	-	-	-	-	-	-	-	-	-	-	-	-
YOUNG	37.4	45.8	43.7	-	-	-	-	-	-	-	-	-	-	-
<b>LATE</b>														
BRAXTON	33.1	53.2	41.7	46.7	38.5	41.8	2.6	1.3	1.8	1.0	41	38	10-11	10-22
COKER 237	-	47.9	-	44.6	-	38.2	-	1.7	-	1.0	-	34	-	10-18
COKER 627	-	47.7	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 497	-	45.3	-	-	-	-	-	-	-	-	-	-	-	-
DUOCROP	-	52.7	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ II 7126	-	49.7	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 708	-	53.9	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 717	-	51.8	-	-	-	-	-	-	-	-	-	-	-	-
WRIGHT	-	49.8	-	-	-	-	-	-	-	-	-	-	-	-
TEST MEANS	41.2	48.7	46.6	43.7	43.4	39.8	2.6	1.9	1.1	1.1	37	33		
L.S.D. (.05)	8.9		11.2		8.6									
C.V. (%)	15.5		17.2		14.3									

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

THE PLANTING DATE FOR FIRST PLANTING WAS MAY 18, MAY 13, AND MAY 14 FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JUNE 19, JUNE 5, AND JUNE 9, RESPECTIVELY.

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

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			
	1986 BU <sub>a</sub>	2-YR. AV. BU <sub>a</sub>	3-YR. AV. BU <sub>a</sub>	LOGGING SCORE	SHATTERING SCORE	PLANT HEIGHT IN <sub>a</sub>	MATURITY DATE
<b>VERY EARLY</b>							
RA 480	21.2	-	-	-	-	-	-
<b>EARLY</b>							
ASGROW A 5980	22.7	30.5	-	-	-	-	-
BAY	18.1	-	-	-	-	-	-
COKER 425	18.7	-	-	-	-	-	-
COKER 485	20.2	-	-	-	-	-	-
DELTAPINE X415	21.3	-	-	-	-	-	-
DELTAPINE 105	23.7	33.1	34.0	1.4	1.5	30	-
FFR 560	22.3	-	-	-	-	-	-
FFR 561	21.8	29.5	-	-	-	-	-
FORREST	22.5	29.5	30.4	1.3	1.4	26	-
HARTZ H 5370	21.9	28.6	29.9	1.3	1.3	28	-
PIONEER 9571	22.3	29.4	-	-	-	-	-
TERRA-VIG 505	21.8	29.5	30.0	1.6	1.7	29	-
TERRA-VIG 515	20.9	-	-	-	-	-	-
<b>MEDIUM</b>							
ASGROW A 6520	27.6	-	-	-	-	-	-
ASGROW A 6785	28.3	-	-	-	-	-	-
BRADLEY	21.8	27.4	-	-	-	-	-
CENTENNIAL	20.7	28.1	28.6	1.2	1.1	31	-
CDKER 156	23.6	30.9	32.2	1.2	1.2	29	-
DAVIS	23.9	30.6	30.7	1.4	1.7	34	-
DELTAPINE 566	23.2	-	-	-	-	-	-
FFR 668	21.3	26.6	28.6	1.4	1.3	32	-
GA 79-402	24.4	-	-	-	-	-	-
HARTZ II X6385	26.4	-	-	-	-	-	-
HARTZ H 6383R	24.8	-	-	-	-	-	-
LEFLORE	24.2	30.3	-	-	-	-	-
N.K. 569-96	23.9	30.9	31.5	1.4	1.1	31	-
PIONEER 9691	24.9	-	-	-	-	-	-
RA 606	23.5	-	-	-	-	-	-
RA 680	25.1	29.9	29.8	1.3	1.2	32	-
TERRA-VIG 606	23.5	29.5	30.2	1.4	1.2	33	-
TRACY M	21.9	28.8	29.8	1.5	1.4	30	-
YIELD KING 613	24.9	31.1	30.3	1.4	1.4	37	-
YOUNG	24.8	32.0	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

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

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			MATURITY DATE
	1986 BU.	2-YR. AV. BU.	3-YR. AV. BU.	LOGGING SCORE	SHATTERING SCORE	PLANT HEIGHT IN.	
<b>FULL SEASON</b>							
AU 82-204	21.4	-	-	-	-	-	-
AU 82-387	26.5	-	-	-	-	-	-
BRAXTON	21.8	29.8	28.5	1.3	1.1	35	-
COKER 237	22.3	29.4	29.4	1.3	1.1	33	-
COKER 627	23.3	-	-	-	-	-	-
COKER 81-191	24.0	-	-	-	-	-	-
DELTAPINE 417	18.8	-	-	-	-	-	-
DELTAPINE 497	27.3	31.9	31.8	1.5	1.1	39	-
FFR 771	19.8	-	-	-	-	-	-
GASBY 17	22.0	29.2	30.1	1.6	1.1	36	-
GORDON	22.7	-	-	-	-	-	-
HARTZ H 7110	27.8	-	-	-	-	-	-
HARTZ H 7126	21.1	27.4	28.2	1.6	1.1	35	-
N.K. 572-60	25.3	30.8	30.1	1.9	1.1	33	-
STARR	17.0	23.5	25.5	1.3	1.2	29	-
TERRA-VIG 708	22.3	29.7	30.5	1.4	1.1	30	-
TERRA-VIG 717	23.9	30.6	-	-	-	-	-
WRIGHT	25.0	30.4	30.2	1.7	1.1	34	-
<b>LATE</b>							
COBB	23.8	-	-	-	-	-	-
COKER 368	24.1	31.7	29.3	1.7	1.1	37	-
DOWLING	21.9	-	-	-	-	-	-
FOSTER	25.5	-	-	-	-	-	-
HUTTON	18.2	23.6	23.9	1.6	1.1	35	-
JOHNSTON	21.9	-	-	-	-	-	-
KIRBY	17.6	-	-	-	-	-	-
TERRA-VIG 808	23.0	-	-	-	-	-	-
<b>TEST MEANS</b>	22.8	29.5	29.7	1.4	1.3	32	
L.S.D. (.05)	13.5	11.3	10.2				
C.V. (%)	42.5	27.5	24.7				

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

THE PLANTING DATE WAS MAY 18, MAY 16, AND MAY 27 FOR 1-YEAR, 2-YEAR, AND 3-YEAR  
AVERAGES, RESPECTIVELY.

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

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1986		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.	DATE 1	DATE 2	
<b>VERY EARLY</b>														
DELTAPINE 105	48.7	-	41.8	-	41.7	-	1.4	-	1.5	-	33	-	9-28	-
FORREST	38.7	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>EARLY</b>														
ASGROW A 6242	38.9	23.7	37.3	-	-	-	-	-	-	-	-	-	-	-
ASGROW A 6520	39.9	25.9	38.0	-	-	-	-	-	-	-	-	-	-	-
COKER 156	44.3	-	37.1	-	37.4	-	1.2	-	1.1	-	32	-	10-6	-
DAVIS	45.9	35.1	41.1	-	40.8	-	1.8	-	1.3	-	38	-	10-7	-
DELTAPINE 506	33.6	-	34.5	-	34.9	-	1.6	-	1.4	-	36	-	10-10	-
DELTAPINE 566	43.9	-	34.5	-	-	-	-	-	-	-	-	-	-	-
GA 79-402	43.3	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 6130	38.5	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 6383R	37.1	29.0	35.9	-	36.1	-	1.8	-	1.0	-	35	-	10-7	-
JEFF	39.9	31.1	38.1	-	37.5	-	1.8	-	1.1	-	39	-	10-9	-
LEFLORE	44.1	-	37.2	-	-	-	-	-	-	-	-	-	-	-
N.K. 569-54	39.3	34.1	36.7	-	-	-	-	-	-	-	-	-	-	-
N.K. 569-96	41.3	30.2	37.3	21.1	37.8	25.6	1.5	1.0	1.0	1.0	35	22	10-10	10-16
RA 606	45.0	32.2	40.6	-	40.2	-	1.8	-	1.0	-	38	-	10-6	-
RA 680	40.5	-	36.5	-	37.3	-	1.4	-	1.0	-	35	-	10-7	-
TERRA-VIG 606	42.4	-	37.2	-	38.0	-	1.5	-	1.1	-	33	-	10-6	-
TERRA-VIG 616	42.4	-	36.9	-	-	-	-	-	-	-	-	-	-	-
TRACY H	34.5	25.3	35.3	-	36.3	-	1.6	-	1.4	-	34	-	10-2	-
<b>MEDIUM</b>														
ASGROW A 7372	34.9	-	37.1	-	36.3	-	1.3	-	1.0	-	32	-	10-10	-
ASGROW A 7986	28.9	-	-	-	-	-	-	-	-	-	-	-	-	-
AU 82-204	40.7	-	-	-	-	-	-	-	-	-	-	-	-	-
AU 82-387	39.2	-	-	-	-	-	-	-	-	-	-	-	-	-
BRAXTON	41.4	30.2	37.7	25.5	36.1	25.7	1.1	1.0	1.0	1.0	33	23	10-14	10-16
COKER 237	48.8	-	-	-	-	-	-	-	-	-	-	-	-	-
COKER 627	33.2	-	34.3	-	-	-	-	-	-	-	-	-	-	-
COKER 81-191	41.6	-	-	-	-	-	-	-	-	-	-	-	-	-
COKER 82-606	41.8	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 417	34.1	31.3	37.3	29.6	37.5	32.8	1.3	1.0	1.0	1.0	40	24	10-13	10-18
DELTAPINE 497	-	34.9	-	-	-	-	-	-	-	-	-	-	-	-
DUOCROP	28.0	21.9	-	-	-	-	-	-	-	-	-	-	-	-
FFR 771	41.1	-	-	-	-	-	-	-	-	-	-	-	-	-
GASDY 17	39.1	33.2	39.3	27.5	38.0	29.7	1.8	1.0	1.0	1.0	37	22	10-12	10-16
GURDON	36.4	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 7110	35.0	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 7126	31.6	22.5	36.0	-	36.3	-	1.5	-	1.0	-	38	-	10-13	-
N.K. 572-60	34.3	-	-	-	-	-	-	-	-	-	-	-	-	-
PIONEER 9791	45.7	-	-	-	-	-	-	-	-	-	-	-	-	-
RA 702	37.6	36.3	39.8	-	-	-	-	-	-	-	-	-	-	-
STARR	32.7	31.3	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 717	42.3	20.4	39.3	-	-	-	-	-	-	-	-	-	-	-
WILSTAR 790	35.0	-	35.1	-	33.7	-	1.3	-	1.0	-	36	-	10-16	-
WRIGHT	35.6	-	34.2	-	33.7	-	2.1	-	1.0	-	36	-	10-12	-

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

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1986		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 <sub>a</sub>	BU <sub>a</sub>	BU <sub>a</sub>	BU <sub>a</sub>	BU <sub>a</sub>	BU <sub>a</sub>	SCORE	SCORE	SCORE	SCORE	IN <sub>a</sub>	IN <sub>a</sub>		
LAIE														
COBB	24.8	31.8	34.5	26.6	33.4	32.2	1.9	1.0	1.0	1.0	43	25	10-23	10-25
COKER 368	39.7	30.9	37.5	22.0	35.5	26.2	1.5	1.0	1.0	1.0	37	24	10-16	10-21
COKER 738	33.0	-	36.6	-	-	-	-	-	-	-	-	-	-	-
DOWLING	-	22.5	-	-	-	-	-	-	-	-	-	-	-	-
FOSTER	-	25.8	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ II 8112	26.9	-	-	-	-	-	-	-	-	-	-	-	-	-
HUTTON	21.5	21.6	32.3	-	33.1	-	1.5	-	1.0	-	34	-	10-17	-
JOHNSTON	39.4	34.0	39.2	24.5	37.0	27.7	1.8	1.0	1.0	1.0	33	22	10-15	10-20
KIRBY	32.9	27.3	-	-	-	-	-	-	-	-	-	-	-	-
SANTA ROSA R	-	7.5	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 808	29.6	16.4	34.0	-	-	-	-	-	-	-	-	-	-	-
TEST MEANS	37.8	27.6	37.0	25.3	36.8	28.6	1.6	1.0	1.1	1.0	36	23		
L.S.D. (.05)	6.0		10.4		13.3									
C.V. (%)	11.3		20.2		25.9									

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

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

TABLE 12. PERFORMANCE OF EARLY PLANTED SOYBEAN VARIETIES AT BREWTON ALABAMA, 1966

BRAND-VARIETY	YIELD PER ACRE BU.	LOGGING SCORE	SHATTERING SCORE	AVERAGE	
				PLANT HEIGHT IN.	MATURITY DATE
<b>EARLY</b>					
ASGROW A 5980	47.6	1.5	1.0	34	9-6
DAY	54.1	1.0	1.0	27	9-11
DELTAPINE X415	53.5	1.0	1.0	26	9-4
DELTAPINE 105	56.9	1.3	1.0	32	9-14
FORREST	45.0	1.0	1.0	25	9-10
HARTZ H X5164	54.1	1.0	1.0	29	9-13
PIONEER 9571	45.9	1.0	1.0	31	9-14
PIONEER 9591	57.5	1.0	1.0	23	9-10
YIELD KING 503	43.5	2.0	1.0	42	9-4
<b>MEDIUM</b>					
ASGROW A 6520	49.8	1.0	1.0	25	9-27
CDKER 156	51.9	1.0	1.0	29	9-29
DAVIS	46.9	1.0	1.0	37	9-25
HARTZ H 6383R	47.3	1.0	1.0	33	10-4
JEFF	44.0	1.0	1.0	34	10-5
N.K. 569-96	47.0	1.0	1.0	27	10-8
RA 606	45.4	1.0	1.0	37	9-21
YOUNG	52.7	1.0	1.0	35	9-21
<b>FULL SEASON</b>					
BRAXTON	41.9	1.0	1.0	37	10-7
<hr/>					
TEST MEANS	49.2	1.1	1.0	31	
C.V. (%)	9.7				

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

THE PLANTING DATE FOR THE EARLY PLANTING WAS MAY 14.

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

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			MATURITY DATE
	1986 BU <sub>a</sub>	2-YR. AV. BU <sub>a</sub>	3-YR. AV. BU <sub>a</sub>	LODGING SCORE	SHATTERING SCORE	PLANT HEIGHT IN <sub>a</sub>	
VERY EARLY							
RA 489	27.0	22.4	27.3	2.1	1.0	31	-
EABLY							
BAY	14.7	16.3	25.2	1.0	1.2	17	-
BEDFORD	11.1	-	-	-	-	-	-
COKER 485	24.5	-	-	-	-	-	-
DELTAPINE 105	24.9	26.3	30.8	1.0	1.1	21	-
DELTAPINE 675	22.9	-	-	-	-	-	-
FFR 562	24.2	-	-	-	-	-	-
FORREST	7.1	-	-	-	-	-	-
HARTZ H 5171	16.0	-	-	-	-	-	-
HARTZ H 5370	20.1	24.3	29.0	1.0	1.0	21	-
SHILON	22.7	19.7	-	-	-	-	-
TERRA-VIG 505	16.8	19.8	25.6	1.0	1.0	19	-
TERRA-VIG 553	24.4	-	-	-	-	-	-
WILSTAR 550	26.7	25.4	29.0	1.0	1.0	20	-
YIELD KING 593	22.2	-	-	-	-	-	-
MEDIUM							
ASGROW A 6242	20.6	-	-	-	-	-	-
ASGROW A 6520	18.5	14.9	18.6	1.0	1.0	18	-
CENTENNIAL	21.2	13.7	19.3	1.2	1.0	22	-
COKER 156	27.7	21.4	25.9	1.0	1.0	21	-
COKER 686	22.2	21.9	-	-	-	-	-
DAVIS	33.9	28.2	30.7	1.2	1.1	27	-
DELTAPINE 506	30.5	24.9	28.4	1.3	1.0	26	-
DELTAPINE 566	18.1	10.1	13.5	1.0	1.0	18	-
GA 79-402	20.6	-	-	-	-	-	-
HARTZ H 6130	17.4	10.1	16.5	1.0	1.0	20	-
JEFF	20.8	-	-	-	-	-	-
LEFLORE	20.3	18.3	-	-	-	-	-
N.K. 569-54	21.7	-	-	-	-	-	-
N.K. 569-96	25.6	19.5	23.9	1.2	1.0	25	-
RA 506	25.1	-	-	-	-	-	-
RA 680	21.8	14.5	20.2	1.0	1.0	22	-
TERRA-VIG 606	14.7	13.4	20.2	1.0	1.0	22	-
TERRA-VIG 616	20.4	-	-	-	-	-	-
TRACY M	31.7	21.2	27.0	1.3	1.0	23	-
YIELD KING 613	30.6	-	-	-	-	-	-
YOUNG	29.9	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE



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

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			
	1986 BU <sub>a</sub>	2-YR. AV. BU <sub>a</sub>	3-YR. AV. BU <sub>a</sub>	LOGGING SCORE	SHATTERING SCORE	PLANT HEIGHT IN <sub>a</sub>	MATURITY DATE
<b>FULL SEASON</b>							
ASGROW A 7986	33.1	-	-	-	-	-	-
AU 82-204	25.6	-	-	-	-	-	-
AU 82-387	9.1	-	-	-	-	-	-
BRAXTON	30.5	24.2	26.8	1.0	1.0	29	-
COKER 627	29.3	21.3	-	-	-	-	-
DELTAPINE 417	22.2	15.9	20.3	1.2	1.0	28	-
DELTAPINE 497	24.3	16.1	20.3	1.1	1.0	26	-
DUDCROP	20.5	20.4	25.0	1.8	1.0	33	-
GASJOY 17	20.0	14.9	19.7	1.1	1.1	27	-
GORDON	14.5	-	-	-	-	-	-
HARTZ H 7110	9.5	-	-	-	-	-	-
HARTZ H 7126	9.4	13.3	18.6	1.1	1.0	21	-
N.K. S72-60	24.2	-	-	-	-	-	-
PIONEER 9791	23.1	-	-	-	-	-	-
RA 702	15.4	-	-	-	-	-	-
RANSOM	30.9	22.9	26.1	1.0	1.0	24	-
STARR	15.0	12.8	18.6	1.0	1.0	20	-
TERRA-VIG 708	23.5	-	-	-	-	-	-
WILSTAR 790	18.8	-	-	-	-	-	-
WRIGHT	26.5	19.2	23.0	1.4	1.0	25	-
<b>LATE</b>							
COBB	16.8	-	-	-	-	-	-
COKER 368	10.5	12.1	-	-	-	-	-
COKER 738	19.7	-	-	-	-	-	-
DJWLING	16.8	19.6	24.5	1.3	1.1	28	-
FOSTER	1.4	-	-	-	-	-	-
HARTZ H 8112	19.7	-	-	-	-	-	-
HUTTON	18.6	13.4	14.7	1.4	1.0	28	-
JOHNSTON	28.3	-	-	-	-	-	-
KIRBY	6.0	-	-	-	-	-	-
TERRA-VIG 808	17.0	-	-	-	-	-	-
TEST MEANS	20.9	18.6	23.2	1.2	1.0	24	
L.S.D. (.05)	11.5		9.3				
C.V. (%)	32.8	26.3	20.6				

VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = MATURITY GROUP VI;  
 FULL SEASON = MATURITY GROUP VII; LATE = MATURITY GROUP VIII.  
 THE PLANTING DATE FOR 1-YEAR, 2-YEAR, AND 3-YEAR AVERAGES WAS JUNE 5, MAY 25, AND MAY 23,  
 RESPECTIVELY.

TABLE 14. PERFORMANCE OF SOYBEAN VARIETIES ON VALLEY SOIL, MARION JUNCTION, ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			
	1986 BU.	2-YR. AV. BU.	3-YR. AV. BU.	LOGGING SCORE	SHATTERING SCORE	PLANT HEIGHT IN.	MATURITY DATE
<b>VERY EARLY</b>							
RA 480	38.7	42.3	45.7	2.0	1.0	44	-
<b>EARLY</b>							
BAY	41.4	47.9	50.5	1.0	1.0	30	-
BEDFORD	44.8	-	-	-	-	-	-
COKER 485	53.2	-	-	-	-	-	-
DELTAPINE 105	50.2	52.4	54.4	1.6	1.0	34	-
DELTAPINE 675	37.1	-	-	-	-	-	-
FFR 562	49.9	-	-	-	-	-	-
FORREST	46.8	-	-	-	-	-	-
HARTZ H 5171	45.9	-	-	-	-	-	-
HARTZ H 5370	49.7	52.2	50.6	1.0	1.0	33	-
SHILOH	41.4	47.8	-	-	-	-	-
TERRA-VIG 505	34.5	40.3	46.4	1.8	1.0	35	-
TERRA-VIG 553	46.8	-	-	-	-	-	-
WILSTAR 550	40.2	45.7	48.1	1.0	1.0	32	-
YIELD KING 593	43.0	-	-	-	-	-	-
<b>MEDIUM</b>							
ASGROW A 6242	44.2	-	-	-	-	-	-
ASGROW A 6520	50.7	49.7	51.7	1.4	1.0	34	-
CENTENNIAL	47.4	41.9	45.6	1.5	1.0	37	-
COKER 156	46.6	43.7	48.6	1.5	1.0	36	-
COKER 686	38.6	38.8	-	-	-	-	-
DAVIS	48.8	45.3	48.6	2.4	1.0	38	-
DELTAPINE 506	44.7	42.8	46.6	2.5	1.0	40	-
DELTAPINE 566	47.0	44.9	51.3	1.1	1.0	37	-
GA 79-402	45.1	-	-	-	-	-	-
HARTZ H 6130	47.6	45.7	49.4	1.5	1.0	37	-
JEFF	38.6	-	-	-	-	-	-
LEFLORE	46.5	43.9	-	-	-	-	-
N.K. S69-54	41.5	-	-	-	-	-	-
N.K. S69-96	38.2	34.4	39.0	2.3	1.0	34	-
RA 506	41.8	-	-	-	-	-	-
RA 680	43.8	39.8	44.8	1.0	1.0	37	-
TERRA-VIG 636	44.3	39.7	44.8	1.4	1.1	37	-
TERRA-VIG 616	39.1	-	-	-	-	-	-
TRACY M	49.4	50.2	53.2	1.6	1.0	35	-
YIELD KING 613	44.5	-	-	-	-	-	-
YOUNG	44.2	-	-	-	-	-	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 14. PERFORMANCE OF SOYBEAN VARIETIES ON VALDEN SOIL, MARION JUNCTION, ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE			3-YEAR AVERAGE			
	1986	2-YR. AV.	3-YR. AV.	LOGGING	SHATTERING	PLANT HEIGHT	MATURITY DATE
	BU.	BU.	BU.	SCORE	SCORE	IN.	
<b>FULL SEASON</b>							
ASGROW A 7986	44.7	-	-	-	-	-	-
AU 82-204	39.8	-	-	-	-	-	-
AU 82-387	37.0	-	-	-	-	-	-
BRAXTON	45.6	41.3	45.7	2.0	1.0	41	-
COKER 627	38.6	41.5	-	-	-	-	-
DELTAPINE 417	37.9	36.6	43.6	2.8	1.0	42	-
DELTAPINE 497	34.3	33.9	42.8	2.2	1.0	44	-
DUOCROP	34.3	35.8	40.3	2.7	1.0	50	-
GASOY 17	24.0	29.0	36.5	3.5	1.0	41	-
GORDON	30.2	-	-	-	-	-	-
HARTZ H 7110	39.7	-	-	-	-	-	-
HARTZ H 7126	36.9	37.9	44.1	2.3	1.0	40	-
N.K. 572-60	39.0	-	-	-	-	-	-
PIONEER 9791	45.3	-	-	-	-	-	-
RA 702	25.8	-	-	-	-	-	-
RANSOM	37.7	36.7	41.7	1.6	1.0	36	-
STARR	34.9	34.4	40.3	2.6	1.0	37	-
TERRA-VIG 708	35.7	-	-	-	-	-	-
WILSTAR 790	23.1	-	-	-	-	-	-
WRIGHT	23.9	32.1	39.0	3.4	1.0	39	-
<b>LATE</b>							
COBB	25.8	-	-	-	-	-	-
COKER 368	34.6	34.1	-	-	-	-	-
COKER 738	38.4	-	-	-	-	-	-
DJWLING	28.8	31.9	38.7	3.4	1.0	40	-
FOSTER	18.1	-	-	-	-	-	-
HARTZ H 8112	34.4	-	-	-	-	-	-
HUTTON	12.9	16.2	21.6	3.8	1.0	37	-
JOHNSTON	31.0	-	-	-	-	-	-
KIRBY	21.8	-	-	-	-	-	-
TERRA-VIG 808	24.4	-	-	-	-	-	-
<b>TEST MEANS</b>							
	38.9	40.3	44.8	2.0	1.0	38	
L.S.D. (.05)	7.8		7.0				
C.V. (%)	22.4	18.5	14.6				

VERY EARLY = MATURITY GROUP IV; EARLY = MATURITY GROUP V; MEDIUM = 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 23, MAY 18, AND MAY 17,  
 RESPECTIVELY.

TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES AT EARLYRICE ALABAMA, 3-YEAR SUMMARY

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1986		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.		
<b>VERY EARLY</b>														
DELTAPINE 105	44.1	-	38.6	-	45.8	-	1.4	-	1.0	-	33	-	9-30	-
FORREST	45.4	-	-	-	-	-	-	-	-	-	-	-	-	-
WILSTAR 550	41.0	-	34.3	-	40.4	-	1.3	-	1.0	-	30	-	10-2	-
<b>EARLY</b>														
ASGROW A 6242	47.0	8.3	41.1	-	-	-	-	-	-	-	-	-	-	-
ASGROW A 6520	49.7	17.7	43.2	-	-	-	-	-	-	-	-	-	-	-
DAVIS	41.5	28.9	40.1	-	44.8	-	1.7	-	1.0	-	35	-	10-8	-
DELTAPINE 506	37.1	-	35.4	-	41.7	-	1.5	-	1.0	-	36	-	10-11	-
GA 79-402	50.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 6130	49.4	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 6383R	50.8	17.5	44.7	-	47.6	-	1.5	-	1.0	-	35	-	10-12	-
JEFF	48.8	16.9	41.3	-	45.6	-	1.6	-	1.0	-	35	-	10-10	-
LEFLORE	50.3	12.9	44.0	-	-	-	-	-	-	-	-	-	-	-
N.K. S69-54	51.6	15.4	46.3	-	-	-	-	-	-	-	-	-	-	-
N.K. S69-96	45.0	8.7	43.2	-	46.9	-	1.4	-	1.0	-	31	-	10-13	-
RA 580	48.9	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 606	38.6	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 616	44.9	-	39.0	-	-	-	-	-	-	-	-	-	-	-
TRACY M	37.1	10.4	-	-	44.0	-	1.2	-	1.0	-	29	-	10-4	-
<b>MEDIUM</b>														
ASGROW A 7372	40.6	-	40.3	-	44.2	-	1.6	-	1.0	-	31	-	10-14	-
AU 82-204	51.3	-	-	-	-	-	-	-	-	-	-	-	-	-
AU 82-387	48.7	-	-	-	-	-	-	-	-	-	-	-	-	-
BRAXTON	38.6	20.9	38.1	15.4	43.6	23.0	1.2	1.0	1.0	1.0	35	20	10-19	10-23
COKER 237	35.3	-	-	-	-	-	-	-	-	-	-	-	-	-
COKER 627	43.7	-	38.8	-	-	-	-	-	-	-	-	-	-	-
COKER 81-191	53.9	-	-	-	-	-	-	-	-	-	-	-	-	-
COKER 82-606	52.3	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE X1017	38.8	-	-	-	-	-	-	-	-	-	-	-	-	-
DELTAPINE 417	38.7	5.6	38.4	-	43.5	-	1.6	-	1.0	-	38	-	10-17	-
DELTAPINE 497	38.4	15.8	41.8	12.6	45.2	20.6	1.3	1.0	1.0	1.0	40	20	10-17	10-25
DUOCKOP	31.4	33.3	-	30.9	-	32.6	-	-	1.0	-	36	-	-	11-1
FFR 771	24.4	-	-	-	-	-	-	-	-	-	-	-	-	-
GORDON	44.3	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 7110	49.0	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 7126	48.0	23.2	48.0	-	49.8	-	1.8	-	1.0	-	36	-	10-15	-
N.K. S72-60	46.3	8.4	42.4	13.1	46.3	21.8	1.9	1.2	1.0	1.0	36	22	10-12	10-23
PIONEER 9791	43.7	-	-	-	-	-	-	-	-	-	-	-	-	-
RA 702	52.1	20.0	46.8	-	-	-	-	-	-	-	-	-	-	-
RANSOM	39.4	25.0	41.3	-	45.2	-	1.4	-	1.0	-	32	-	10-15	-
STARR	36.8	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA-VIG 708	33.5	7.9	36.3	-	44.1	-	1.4	-	1.0	-	33	-	10-16	-
TERRA-VIG 717	47.6	-	-	-	-	-	-	-	-	-	-	-	-	-
WILSTAR 790	37.2	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIGHT	42.0	-	40.4	-	42.5	-	2.3	-	1.0	-	31	-	10-17	-

CONTINUED ON THE FOLLOWING PAGE

TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA. 3-YEAR SUMMARY.

BRAND-VARIETY	YIELD PER ACRE						3-YEAR AVERAGE							
	1986		2-YR. AV.		3-YR. AV.		LOADING		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.		
LAIE														
CDB3	28.5	29.5	34.3	21.6	39.0	25.5	1.6	1.0	1.0	1.0	38	27	10-27	11-3
COKER 368	48.5	16.4	44.1	-	45.8	-	1.8	-	1.0	-	38	-	10-22	-
COKER 738	48.2	-	47.6	-	-	-	-	-	-	-	-	-	-	-
DOWLING	38.6	-	41.2	-	44.7	-	1.4	-	1.0	-	38	-	10-27	-
FOSTER	-	13.5	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 8112	41.7	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTZ H 9190	18.6	-	-	-	-	-	-	-	-	-	-	-	-	-
HUTTON	30.0	5.7	-	-	40.1	-	1.3	-	1.0	-	35	-	10-22	-
JOHNSTON	43.7	11.4	44.3	-	45.5	-	2.1	-	1.0	-	31	-	10-16	-
KIRBY	43.3	14.9	39.1	15.2	42.1	21.4	1.7	1.0	1.0	1.0	37	22	10-23	10-31
SANTA ROSA R	29.7	30.9	33.3	26.5	34.2	28.6	3.1	1.4	1.0	1.0	47	32	10-31	11-6
TERRA-VIG 808	49.0	6.1	45.6	10.7	47.8	20.2	2.4	1.0	1.0	1.0	30	21	10-16	10-27
TEST MEANS	42.6	16.4	41.1	18.2	44.2	24.2	1.7	1.1	1.0	1.0	35	25		
L.S.D. (.05)	8.1		7.5		6.7									
C.V. (%)	17.9		9.6		7.4									

VERY EARLY = MATURITY GROUP V; EARLY = MATURITY GROUP VI; MEDIUM = MATURITY GROUP VII;

LATE = MATURITY GROUPS VIII AND IX.

THE PLANTING DATE FOR FIRST PLANTING WAS JUNE 6, JUNE 16, AND JUNE 10 FOR 1-YEAR, 2-YEAR, 3-YEAR AVERAGES, RESPECTIVELY, AND SECOND PLANTING DATE WAS JULY 21, JULY 2, AND JULY 3, RESPECTIVELY.

TABLE 16. PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS, 1986

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN (BELLE MINA)	CENTRAL (PRATTVILLE)	SOUTHERN (MONROEVILLE)
	BU.	BU.	BU.
<u>GROUP IV</u>			
RING AROUND RA 451	32.3	-	-
<u>GROUP V</u>			
COKER CO 80R-49	44.0	-	-
COKER CO 82-824	47.5	-	-
ESSEX	36.1	-	-
FFR 565	47.5	-	-
FJRREST	47.3	13.8	8.2
FUNKS M82-540103	36.4	-	-
FUNKS M82-570127	40.8	-	-
FUNKS M82-572509	41.7	-	-
HARTZ H81-2173	44.3	-	-
HYPERFORMER-SHENANDO	41.4	-	-
NORTHRUPKING NK S59-	39.7	-	-
PIONEER 9581	47.3	-	-
PIONEER 9591	46.1	-	-
YIELD KING 577	43.4	-	-
<u>GROUP VI</u>			
ASGROW A 6785	42.5	19.5	-
COKER CO 82M-224	42.0	13.9	-
COKER CO 82N-128	35.5	14.5	-
DELTAPINE X726	44.4	13.8	-
FUNKS M82-571206	51.4	13.9	-
FUNKS M82-581908	40.4	17.7	-
FUNKS 3305	42.9	16.7	-
HARTZ H 79-17006	44.8	14.8	-
HARTZ H 81-1587	49.0	14.1	-
HARTZ H 81-851	46.6	13.1	-
HARTZ H 81-860	51.4	13.1	-
HARTZ H 81-9548	48.1	12.7	-
HYPERFORMER HB-15578	43.8	12.7	-
HYPERFORMER HB-2J-E4	44.5	16.0	-
HYPERFORMER SAMPSON	-	16.4	-
HYPERFORMER SANALONA	34.8	13.9	-
LAFLORE	53.9	15.1	22.1
OKAYAMA	20.6	-	15.5
TRACY M	41.2	14.0	17.9
YIELD KING 696	44.7	15.3	-

CONTINUED ON NEXT PAGE

TABLE 16. PERFORMANCE OF SOYBEAN VARIETIES IN PRELIMINARY TESTS, 1986

BRAND-VARIETY	YIELD PER ACRE		
	NORTHERN (BELLE MINA)	CENTRAL (PRATTVILLE)	SOUTHERN (MONROEVILLE)
	BU.	BU.	BU.
<u>GROUP VII</u>			
ASGROW A 7986	-	10.3	27.2
BRAXTON	23.7	16.2	21.9
COKER 82-606	-	-	30.0
DELTAPINE X1017	-	15.6	18.6
FUNKS M82-722611	-	13.7	26.0
FUNKS 1409	-	10.7	21.5
GORDON	-	11.4	23.7
HYP HB-18-W7-B1-7	-	6.5	27.5
YIELD KING 707	-	10.7	24.8
YIELD KING 757	-	11.1	24.9
<u>GROUP VIII</u>			
COBB	-	11.2	27.9
DELTAPINE X676	-	9.6	25.0
HARTZ H 80-16266	-	8.7	24.8
HARTZ H 82B-1197	-	13.5	19.8
HUTTON	-	9.2	20.8
HYP HB-15-W7-B1-8	-	12.6	24.9
KIRBY	-	9.5	30.6
<u>GROUP IX</u>			
HARTZ 9190	-	-	19.9
TEST MEANS	42.2	22.9	13.2
L.S.D. (0.05)	5.7	4.5	4.5
C.V. (%)	9.6	13.8	24.1

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

Table 17. Iron Chlorosis Ratings and Yield of Soybean Varieties Grown on Sumter Soil at Black Belt Substation, 1986

Variety	Soybean Yield		Iron Chlorosis Rating <sup>1/</sup>		Plant height	
	Without chlorosis	With chlorosis	July 8	August 8	Damage	Non-damage
	Bu/A	Bu/A	Rating	Rating	In.	In.
<u>Maturity Group 4</u>						
Ring Around 480	39.3	14.8	8.4	5.8	21	42
<u>Maturity Group 5</u>						
Wilstar 550	36.7	23.8	7.5	3.8	16	24
Terra-Vig 553	30.6	22.3	7.8	3.6	19	24
FFR 562	31.3	20.8	7.9	4.2	20	20
Yield King 593	26.5	20.7	7.3	3.9	18	28
Deltapine 105	38.0	20.4	8.1	5.4	15	26
Deltapine 675	31.8	19.0	8.0	3.4	19	27
Coker 485	40.5	19.1	8.2	5.7	14	25
Hartz H 5370	36.6	14.6	7.8	4.5	15	24
Terra-Vig 505	30.0	12.5	8.8	7.3	11	20
Bedford	17.0	9.1	8.8	7.2	13	25
Bay	34.2	8.2	8.9	6.4	9	25
Hartz H 5171	39.9	8.1	9.3	8.1	10	25
Forrest	24.6	1.2	9.3	8.1	7	23
<u>Maturity Group 6</u>						
Davis	42.7	25.2	7.8	5.4	20	37
Deltapine 506	37.2	23.9	7.4	2.8	21	35
N.K. S 69-96	28.4	22.9	6.8	3.2	20	29
Yield King 613	41.7	19.6	7.7	5.4	20	40
Young	42.5	17.4	8.6	6.4	16	34
Tracy M	46.6	16.7	8.1	6.8	16	29
Coker 686	34.7	15.5	7.9	6.1	10	32
Coker 156	40.3	15.3	7.9	5.9	11	34
Jeff	27.5	14.1	8.1	6.6	17	32
Terra-Vig 616	28.6	12.3	8.0	6.3	14	31
Asgrow A 6242	28.9	12.3	8.8	7.7	11	24
Leflore	33.7	7.0	8.9	7.9	10	29
N.K. S 69-54	36.9	6.5	9.1	8.1	10	25
Coker 686	38.6	5.8	9.1	8.0	10	32
Asgrow A 6520	32.2	4.9	9.3	8.6	9	22
Ring Around 680	38.9	4.7	8.5	7.3	12	27
Shiloh	40.9	11.6	8.5	8.3	9	22
GA 79-402	38.7	2.5	9.6	9.3	9	25
Hartz 6130	32.5	2.4	9.3	8.6	7	25
Centennial	39.6	1.5	9.0	8.5	7	29
Deltapine 566	35.8	0.3	8.5	9.4	5	24
Terra-Vig 606	29.5	0	9.6	9.3	7	29

(Continued on next page)



Table 17 (Continued). Iron Chlorosis Ratings and Yield of Soybean Varieties Grown on Sumter Soil at Black Belt Substation, 1986

Variety	Soybean Yield		Iron Chlorosis Rating <sup>1/</sup>		Plant height	
	Without chlorosis	With chlorosis	July 8	August 8	Damage	Non-damage
	Bu/A	Bu/A	Rating	Rating	In.	In.
<u>Maturity Group 7</u>						
Asgrow A 7986	39.7	30.8	4.3	1.4	27	41
Braxton	29.7	30.8	3.8	1.8	31	31
Ransom	36.9	27.8	6.9	2.4	19	26
Coker 627	42.8	24.7	7.1	4.4	23	33
N.K. S 72-60	--	24.2	7.3	3.3	24	--
Deltapine 497	37.5	19.9	7.6	4.5	19	38
Terra-Vig 708	36.2	19.3	8.1	6.3	18	30
Pioneer 9791	35.0	19.2	7.5	5.3	18	26
Wright	34.0	18.9	7.9	5.4	21	29
Wilstar 790	--	18.8	7.1	3.0	25	--
Deltapine 417	--	18.6	7.7	5.0	25	--
Duocrop	31.0	18.1	8.0	5.6	23	39
GaSoy 17	27.8	17.6	8.8	7.4	18	31
AU 82-204	35.2	16.0	7.9	5.4	15	23
Starr	--	15.0	7.9	6.0	14	--
Ring Around 702	18.8	14.3	8.3	5.1	18	23
Hartz 7126	--	9.4	8.8	7.8	14	--
Gordon	25.9	3.0	9.4	9.2	10	26
AU 82-387	16.2	2.0	9.6	9.7	10	18
Hartz H 7110	37.9	0	9.8	9.8	7	34
<u>Maturity Group 8</u>						
Johnston	--	29.7	7.3	4.5	24	--
Hartz H 8112	--	19.7	7.1	3.5	21	--
Coker 738	--	19.3	8.0	5.4	18	--
Hutton	--	18.6	5.0	2.3	26	--
Cobb	16.6	18.0	8.3	5.9	21	27
Terra-Vig 808	--	17.0	8.3	6.0	17	--
Dowling	--	14.8	8.1	5.0	19	--
Coker 368	--	10.5	8.9	7.2	14	--
Kirby	--	8.2	8.9	8.1	13	--
Foster	--	1.8	9.6	9.0	8	--

<sup>1/</sup> Chlorosis ratings were 1-10, with 1 being no chlorosis and 10 being plants that were losing leaves due to necrotic spots in leaves.

## RECOMMENDED SOYBEAN VARIETIES FOR 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

<u>Early</u>	<u>Full Season</u>	<u>Late</u>
Asgrow 5474	Asgrow A 6520	Braxton
Bay	Bradly	Ransom
Bedford	*Centennial	
Coker 425	Coker 156	
Coker 485	Hartz 130	
Deltapine 105	Jeff	
Essex	Leflore	
Forrest	Ring Around 606	
Hartz 5171	Tracy M	
Hartz 5370		

### Central Alabama

<u>Very Early</u>	<u>Early</u>	<u>Full Season</u>	<u>Late</u>
Deltapine 105	*Centennial	Braxton	Cobb
Forrest	Coker 156	Deltapine 497	Coker 368
Hartz 5370	Davis	GaSoy 17	
Terra-Vig 505	Leflore	Hartz 7126	
	N. K. S69-96	N. K. S 72-60	
	Tracy M	Terra-Vig 708	
		Wright	

### Black Belt soils

<u>Very Early</u>	<u>Early</u>	<u>Full Season</u>	<u>Late</u>
Bay	Asgrow A 6520	Braxton	Cobb
Deltapine 105	Centennial	Deltapine 417	Coker 488
Hartz 5370	Coker 156	Deltapine 497	Dowling
Wilstar 550	Davis	Hartz 7126	
	Deltapine 566	Ransom	
	Hartz 6130		
	Ring Around 680		
	Tracy M		

(continued on following page)

Southern Alabama

<u>Very Early</u>	<u>Early</u>	<u>Full Season</u>	<u>Late</u>
Deltapine 105	*Centennial Coker 156 Davis Jeff N. K. S 69-96 Ring Around 606 Ring Around 680 Tracy M Terra-Vig 606	Asgrow A 7372 Braxton Deltapine 417 GaSoy 17 Hartz 7126	Cobb Coker 368 Dowling Johnston Kirby

Baldwin-Mobile

<u>Very Early</u>	<u>Early</u>	<u>Medium</u>	<u>Full Season</u>
Deltapine 105 Bedford	Davis *Coker 156 Hartz 6383 R Leflore Jeff N.K. S 69-96	Braxton Deltapine 497 Hartz 7126 N.K. S 72-60 Terra-Vig 708 Wright	Cobb Coker 368 Dowling Johnston Kirby Terra-Vig 808

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





