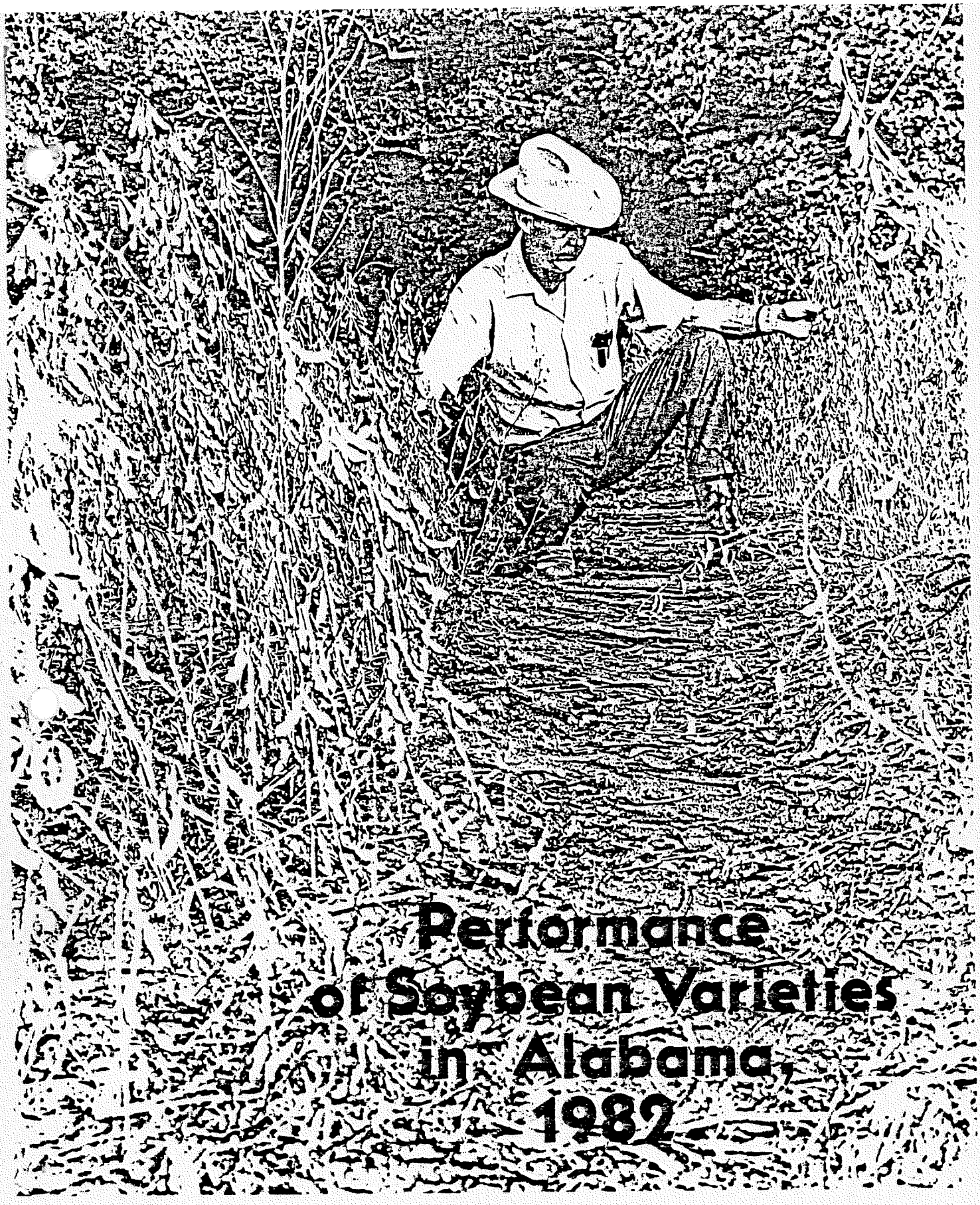

Performance of Soybean Varieties in Alabama, 1982

Department of Agronomy and Soils
Alabama Agricultural Experiment Station
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PERFORMANCE OF SOYBEAN VARIETIES IN ALABAMA, 1982

G. V. Granade and D. B. Weaver[1]

INTRODUCTION

Soybean variety tests are conducted annually by the Alabama Agricultural Experiment Station. Varieties in the test are produced by both public and private breeders. Maturity groups range from group IV, early, to group VIII, late (table 1). The nine locations used represent the major soil and climatic regions of Alabama.

EXPERIMENTAL PROCEDURES

Entries were planted in a randomized complete block design with four replications at all locations, except at Marion Junction where only three replications were planted. Plots were 16 feet long and four rows wide. Row width was 36 or 40 inches, depending on location. Planting was done with regular commercial planters equipped with special cone metering devices adapted for small plots. The two center rows were trimmed to 12 feet at physiological maturity and harvested with a small plot combine.

Two planting dates were made at five locations: Belle Mina, Crossville, Prattville, Marion Junction, and Brewton. The first planting date was between May 1 and May 28 depending on location, and the second planting date was mid-June (table 2). Irrigated tests were conducted at Shorter, Camden, and Headland.

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[1]Research Associate and Assistant Professor, Department of Agronomy and Soils.

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.

RESULTS

Weather conditions were generally favorable for soybean production in 1982. Good yields were obtained at most locations, ranging from an average yield of 48 bushels per acre at Fairhope to 14 bushels per acre at Camden. No serious disease or insect problems were encountered, except at Prattville where plants suffered defoliation by loopers. Yield and other pertinent data from 1982 are presented in tables 3-6, and summaries of data for those varieties grown for more than one year are presented in tables 7-14. For the 1982 season, data have been combined into the northern, central, and southern sections of the state to facilitate comparisons.

COMPARING VARIETIES

A least significant difference (L.S.D.) for seed yield was computed for each test in 1982 and is at the bottom of the yield column for each table. To compare any two varieties within a test, calculate the difference in the yield of the two varieties and compare this difference to the L.S.D. value. If this difference is less than the L.S.D. value, there is probably no real difference between the yield of the two varieties and the observed difference is due to experimental error. It is best to also look at the multi-year averages when comparing varieties. Usually at least three years of data are needed before the yield potential of a variety can be properly evaluated. For each location, the coefficient of variation (C.V.) was measured and expressed as a percentage of the test mean.

ACKNOWLEDGMENTS

The authors would like to express their appreciation for cooperation and collection of data to the individuals at the following units of the Alabama Agricultural Experiment Station.

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Brewton Experiment Field Brewton	J. A. Pitts
Gulf Coast Substation Fairhope	E. L. Carden F. B. Selman
Lower Coastal Plain Substation Camden	J. A. Little D. P. DeLaney
Prattville Experiment Field Prattville	D. P. Moore
Sand Mountain Substation Crossville	J. T. Eason M. E. Ruf

E. V. Smith Research Center Shorter	J. R. Akridge
Tennessee Valley Substation Belle Mina	W. B. Webster V. H. Calvert, II
Wiregrass Substation Headland	J. G. Starling H. W. Ivey.

Appreciation is also expressed to W. H. Hearn and Sally Bagwell, Department of Research Data Analysis, and D. L. Thurlow and Deborah Pepper, Department of Agronomy and Soils, for their assistance.

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Asgrow Seed Company
W. E. Dimond
Kalamazoo, Michigan

Coker's Pedigreed Seed Co.
J. J. Stanton, Jr.
Hartville, South Carolina

Helena Chemical Co.
Bruce Henderson
Selma, Alabama

Jacob Hartz Seed Co., Inc.
Curtis Williams
Stuttgart, Arkansas

Northrup King Company
W. G. Moorman
Columbus, Mississippi

Terral-Norris Seed Co., Inc.
R. E. Hager
Lake Providence, Louisiana

Table 1. Entries and Sources for 1982

Source	Variety
Alabama Crop Improvement Association Auburn, Alabama	Bragg Braxton Centennial Cobb Davis Essex Foster Lee 74 Ransom
Asgrow Seed Company Marion, Arkansas	A 5474 A 5618 A 5939 A 7372 XP 6420 (Experimental)
Bragg Farm Toney, Alabama	Forrest
Coker's Pedigreed Seed Company Hartsville, South Carolina	Coker 156 Coker 237 Coker 317 Coker 355 Coker 368 Coker 388 Coker 488 Coker 79R-5 (Experimental) Coker 80-764 (Experimental) Coker 80-931 (Experimental)
Delta and Pine Land Company Scott, Mississippi	Deltapine 105 Deltapine 246 Deltapine 345 Deltapine 417 Deltapine 497 Deltapine 506
Ellis Brother's Seed Company Centre, Alabama	Tracy M
Escambia Farm and Seed Atmore, Alabama	Hutton
Florida Crop Improvement Association Marianna, Florida	Kirby
Gold Kist Research Ashburn, Georgia	Brooks GK 49 GK 120
Helena Chemical Company Selma, Alabama	Brysoy 9 HB 50701-7 (Experimental)

(continued on following page)

Table 1. Entries and Sources for 1982 (continued)

Source	Variety
Helena Chemical Company (continued) Selma, Alabama	Shiloh Stevens Sumter Wilstar 550 Wilstar 790
Jacob Hartz Seed Company Stuttgart, Arkansas	Hartz 143 Hartz 587 Hartz 672-3A Hartz 766
North American Plant Breeders West Memphis, Arkansas	AP 55 AP 70 AP 71 NAPB 611 NAPB 705
Northrup King Company Columbus, Mississippi	B500471 (Experimental) B501070 (Experimental) M751111 (Experimental) McNair 600 McNair 700 McNair 710 McNair 770 S69-96 S72-60
Ring Around Research Dallas, Texas	Mitchell 450 RA 403 RA 480 RA 501A RA 502 RA 604 RA 606 RA 680 RA 701 RA 800
Terral-Norris Seed Company Lake Providence, Louisiana	Terra-Vig 505 Terra-Vig 606 Terra-Vig 708
Texas A&M University College Station, Texas	Dowling
University of Georgia Athens, Georgia	Duocrop Wright GaSoy 17
Delta Branch Experiment Station Stoneville, Mississippi	Bedford Govan Jeff
Virginia Crop Improvement Association Holley, Virginia	Bay

Table 2. Cultural Practices for Soybean Variety Tests in 1982

Planting date		Herbicide used	Fertilizer applied	Irrigation Date	Irrigation Amt.
TENNESSEE VALLEY SUBSTATION					
	May 11	Treflan, Dyanap	100 lb. 0-46-0/a., 1 ton lime/a.		
	June 16	Treflan, Dyanap	None required by soil test		
SAND MOUNTAIN SUBSTATION					
	May 10	Dyanap, Surflan	250 lb. 0-24-24/a.		
	June 24	Dyanap, Surflan	250 lb. 0-20-20/a.		
PRATTVILLE EXPERIMENT FIELD					
	May 12	Prowl	1 ton lime/a.		
	June 15	Prowl	1 ton lime/a.		
E. V. SMITH RESEARCH CENTER					
Non-irrigated	May 14	Treflan, Vernam	200 lb. 0-23-30/a.		
Irrigated	May 14	Treflan, Vernam	200 lb. 0-23-30/a.	June 24	1 in.
				July 9	½ in.
				July 26	1 in.
				August 30	½ in.
BLACK BELT SUBSTATION					
Sumter	May 13	Treflan	200 lb. 0-44-0/a.		
Vaiden	May 13	Treflan	200 lb. 0-20-20/a.		
Vaiden	June 14	Treflan	200 lb. 0-20-20/a.		
LOWER COASTAL PLAIN SUBSTATION					
Non-irrigated	May 11	Treflan, Vernam, Toxaphene, Blazer	350 lb. 0-20-20/a.		
Irrigated	May 12	Treflan, Vernam, Toxaphene, Blazer	350 lb. 0-20-20/a.	July 1	1.7 in.
				July 19	1.7 in.
				August 23	2 in.
				September 8	2 in.
WIREGRASS SUBSTATION					
Non-irrigated	May 28	Vernam, Lasso	300 lb. 8-24-24 to previous crop		
Irrigated	May 28	Vernam, Lasso	300 lb. 8-24-24 to previous crop	May 17	1 in.
				August 31	1 in.
BREWTON EXPERIMENT FIELD					
	May 26	Vernam, Treflan	None required by soil test		
	June 23	PDS, Paraquat	None required by soil test		
GULF COAST SUBSTATION					
	June 8	Treflan	None required by soil test		

Table 3. Performance of Soybean Varieties in North Alabama for 1982

Variety	Belle Mina		Crossville		1982 average							
					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
	Bu./a.	Bu./a.	Bu./a.	Bu./a.	Score	Score	Score	Score	In.	In.	---Mo./day---	
Early[1]												
A 5474	49.6	45.7	--	--	2.5	2.8	1.0	1.0	39	35	9/16	10/5
A 5618	54.4	43.1	33.5	44.7	2.2	2.5	1.0	1.0	36	32	9/20	10/6
A 5939	--	--	38.8	38.3	3.0	1.8	1.0	1.0	37	34	9/22	10/12
AP 55	44.0	38.2	--	--	3.8	3.8	1.0	1.0	42	32	9/15	10/5
Bay	46.0	36.0	42.2	40.4	1.9	1.9	1.2	1.0	40	34	9/24	10/8
Bedford	50.6	37.5	37.1	34.2	3.4	3.0	1.0	1.0	42	34	9/26	10/12
Coker 355	42.7	39.5	--	--	2.5	3.8	1.3	1.0	40	31	9/21	10/5
Coker 79R-5	--	--	32.4	44.9	1.0	1.0	1.0	1.0	27	26	9/13	10/2
Coker 80-764	52.4	46.6	--	--	2.0	3.3	1.0	1.0	36	33	9/25	10/5
Deltapine 105	58.7	42.1	43.8	43.4	2.6	3.2	1.2	1.0	40	34	9/28	10/12
Deltapine 345	44.0	35.5	39.4	43.1	2.5	2.6	1.0	1.0	40	34	9/26	10/28
Essex	52.9	46.9	36.2	41.5	1.2	1.4	1.2	1.0	29	26	9/18	10/4
Forrest	51.5	41.7	36.4	40.0	2.2	2.6	1.0	1.0	38	35	9/24	10/9
Hartz 143	48.6	39.8	--	--	2.5	3.0	1.5	1.0	46	33	9/26	10/5
Hartz 766	--	--	41.8	40.3	2.0	2.5	1.0	1.0	40	38	9/28	10/16
Mitchell 450	41.9	30.7	--	--	3.0	2.0	1.5	1.0	43	41	9/10	9/27
RA 403	41.6	33.6	--	--	2.0	3.3	1.5	1.5	41	30	9/10	9/18
RA 480	46.7	39.2	33.4	40.1	2.2	2.2	1.2	1.0	40	30	9/10	10/3
RA 501A	--	--	26.7	40.3	2.3	1.3	1.0	1.0	40	34	9/18	10/9
RA 502	54.4	37.0	--	--	2.3	2.8	1.0	1.0	42	37	9/25	10/5
Shiloh	46.0	38.6	--	--	1.5	3.3	1.0	1.0	36	35	9/26	10/5
Stevens	--	--	28.1	36.8	1.0	1.0	3.0	1.5	33	32	8/31	9/27
Terra Vig 505	--	--	38.4	48.3	2.8	3.0	1.0	1.0	38	34	9/29	10/16
B501070	--	--	35.8	37.2	2.3	1.8	1.0	1.0	38	34	9/26	10/13
Wilstar 550	48.9	35.4	39.4	40.5	2.5	2.6	1.0	1.0	38	34	9/28	10/12

(continued on the following page)

Table 3. Performance of Soybean Varieties in North Alabama for 1982 (continued)

Variety	Belle Mina		Crossville		1982 average							
					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
	Bu./a.	Bu./a.	Bu./a.	Bu./a.	Score	Score	Score	Score	In.	In.	---Mo./day---	
Medium												
Brysoy 9	--	--	30.6	38.1	3.8	3.8	1.0	1.0	41	41	10/9	10/22
Centennial	37.5	32.0	28.8	34.9	2.4	2.2	1.0	1.0	40	34	10/9	10/18
Coker 156	40.8	35.2	37.3	41.7	2.0	1.6	1.0	1.2	36	31	10/6	10/17
Davis	36.3	32.6	36.3	36.9	3.4	2.5	1.0	1.0	35	34	10/6	10/20
Deltapine 246	41.7	32.6	--	--	2.8	3.0	1.0	1.0	31	34	10/1	10/11
Deltapine 506	41.3	28.4	33.1	39.0	3.2	2.8	1.0	1.0	41	34	10/10	10/19
GK 49	35.8	27.6	34.2	35.8	3.6	2.8	1.0	1.0	39	38	10/6	10/16
Hartz 587	--	--	38.2	40.5	2.0	3.0	1.0	1.0	37	36	10/13	10/21
Jeff	41.4	34.5	35.4	38.8	2.6	2.8	1.0	1.0	42	35	10/8	10/18
Lee 74	34.9	33.2	32.9	39.6	2.2	3.2	1.0	1.0	32	32	10/5	10/19
M751111	49.5	32.4	--	--	1.3	1.5	1.0	1.0	34	33	10/5	10/9
McNair 600	40.1	28.6	39.1	36.9	2.4	2.5	1.0	1.0	38	32	10/3	10/15
NAPB 611	35.8	35.0	31.4	37.1	2.4	2.9	1.0	1.0	36	33	10/7	10/19
RA 604	42.8	35.2	36.2	37.0	2.9	2.2	1.0	1.0	41	32	10/2	10/18
RA 606	41.7	37.5	--	--	5.0	4.3	1.0	1.0	25	33	10/2	10/15
RA 680	40.8	38.2	30.4	36.7	1.9	2.0	1.0	1.0	40	34	10/8	10/18
S69-96	--	--	35.0	41.2	2.3	2.8	1.0	1.0	37	36	10/14	10/23
Sumter	34.4	34.6	31.0	39.3	2.9	2.2	1.0	1.0	44	39	10/2	10/18
Terra Vig 606	40.0	36.7	35.8	42.2	2.2	2.2	1.0	1.0	40	35	10/6	10/18
Tracy M	44.2	30.7	36.8	42.2	2.2	2.2	1.3	1.0	36	32	10/1	10/14
B500471	--	--	35.5	40.8	2.0	3.3	1.0	1.0	36	34	10/6	10/18
XP 6420	43.9	41.0	--	--	3.3	2.8	1.0	1.0	35	31	9/30	10/16

(continued on the following page)

Table 3. Performance of Soybean Varieties in North Alabama for 1982 (continued)

Variety	Belle Mina		Crossville		1982 average							
					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
	Bu./a.	Bu./a.	Bu./a.	Bu./a.	Score	Score	Score	Score	In.	In.	---Mo./day---	
Late												
Braxton	39.9	27.3	33.0	39.4	2.2	1.6	1.0	1.0	41	34	10/14	10/22
Coker 80-931	--	--	36.3	35.0	2.0	1.3	1.0	1.0	36	31	10/12	10/18
Coker 237	--	--	34.6	36.4	1.5	1.0	1.0	1.0	35	27	10/14	10/21
Coker 317	41.0	38.6	--	--	3.0	3.5	1.0	1.0	44	33	10/9	10/20
HB 50701-7	37.5	32.8	--	--	3.5	2.3	1.0	1.0	37	33	10/11	10/20
RA 701	--	--	34.0	39.2	2.3	1.3	1.3	1.0	40	34	10/20	10/25
Ransom	35.6	27.8	33.8	37.9	2.5	1.5	1.0	1.0	38	34	10/12	10/22
Wilstar 790	--	--	31.3	37.6	2.0	1.5	1.3	1.0	38	36	10/21	10/26
Test means	43.8	36.0	35.1	39.5								
L.S.D. (.05)	6.0	5.3	5.4	5.6								
C.V. (%)	9.8	10.5	11.1	10.1								

[1]Early--maturity groups IV and V; medium--maturity group VI; and late--maturity group VII.

Table 3. Performance of Soybean Varieties in North Alabama for 1982 (continued)

Variety	Belle Mina		Crossville		1982 average							
					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
	Bu./a.	Bu./a.	Bu./a.	Bu./a.	Score	Score	Score	Score	In.	In.	---Mo./day---	
Medium												
Brysoy 9	--	--	30.6	38.1	3.8	3.8	1.0	1.0	41	41	10/9	10/22
Centennial	37.5	32.0	28.8	34.9	2.4	2.2	1.0	1.0	40	34	10/9	10/18
Coker 156	40.8	35.2	37.3	41.7	2.0	1.6	1.0	1.2	36	31	10/6	10/17
Davis	36.3	32.6	36.3	36.9	3.4	2.5	1.0	1.0	35	34	10/6	10/20
Deltapine 246	41.7	32.6	--	--	2.8	3.0	1.0	1.0	31	34	10/1	10/11
Deltapine 506	41.3	28.4	33.1	39.0	3.2	2.8	1.0	1.0	41	34	10/10	10/19
GK 49	35.8	27.6	34.2	35.8	3.6	2.8	1.0	1.0	39	38	10/6	10/16
Hartz 587	--	--	38.2	40.5	2.0	3.0	1.0	1.0	37	36	10/13	10/21
Jeff	41.4	34.5	35.4	38.8	2.6	2.8	1.0	1.0	42	35	10/8	10/18
Lee 74	34.9	33.2	32.9	39.6	2.2	3.2	1.0	1.0	32	32	10/5	10/19
M751111	49.5	32.4	--	--	1.3	1.5	1.0	1.0	34	33	10/5	10/9
McNair 600	40.1	28.6	39.1	36.9	2.4	2.5	1.0	1.0	38	32	10/3	10/15
NAPB 611	35.8	35.0	31.4	37.1	2.4	2.9	1.0	1.0	36	33	10/7	10/19
RA 604	42.8	35.2	36.2	37.0	2.9	2.2	1.0	1.0	41	32	10/2	10/18
RA 606	41.7	37.5	--	--	5.0	4.3	1.0	1.0	25	33	10/2	10/15
RA 680	40.8	38.2	30.4	36.7	1.9	2.0	1.0	1.0	40	34	10/8	10/18
S69-96	--	--	35.0	41.2	2.3	2.8	1.0	1.0	37	36	10/14	10/23
Sumter	34.4	34.6	31.0	39.3	2.9	2.2	1.0	1.0	44	39	10/2	10/18
Terra Vig 606	40.0	36.7	35.8	42.2	2.2	2.2	1.0	1.0	40	35	10/6	10/18
Tracy M	44.2	30.7	36.8	42.2	2.2	2.2	1.3	1.0	36	32	10/1	10/14
B500471	--	--	35.5	40.8	2.0	3.3	1.0	1.0	36	34	10/6	10/18
XP 6420	43.9	41.0	--	--	3.3	2.8	1.0	1.0	35	31	9/30	10/16

(continued on the following page)

Table 3. Performance of Soybean Varieties in North Alabama for 1982 (continued)

Variety	Belle Mina		Crossville		1982 average							
					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
	Bu./a.	Bu./a.	Bu./a.	Bu./a.	Score	Score	Score	Score	In.	In.	---Mo./day---	
Late												
Braxton	39.9	27.3	33.0	39.4	2.2	1.6	1.0	1.0	41	34	10/14	10/22
Coker 80-931	--	--	36.3	35.0	2.0	1.3	1.0	1.0	36	31	10/12	10/18
Coker 237	--	--	34.6	36.4	1.5	1.0	1.0	1.0	35	27	10/14	10/21
Coker 317	41.0	38.6	--	--	3.0	3.5	1.0	1.0	44	33	10/9	10/20
HB 50701-7	37.5	32.8	--	--	3.5	2.3	1.0	1.0	37	33	10/11	10/20
RA 701	--	--	34.0	39.2	2.3	1.3	1.3	1.0	40	34	10/20	10/25
Ransom	35.6	27.8	33.8	37.9	2.5	1.5	1.0	1.0	38	34	10/12	10/22
Wilstar 790	--	--	31.3	37.6	2.0	1.5	1.3	1.0	38	36	10/21	10/26
Test means	43.8	36.0	35.1	39.5								
L.S.D. (.05)	6.0	5.3	5.4	5.6								
C.V. (%)	9.8	10.5	11.1	10.1								

[1]Early--maturity groups IV and V; medium--maturity group VI; and late--maturity group VII.

Table 4. Performance of Soybean Varieties in Central Alabama for 1982

Variety	Prattville		Shorter	Marion Junction			Camden	1982 average							
				Sumter	Valden			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
	--Bu./a.--		Bu./a.	Bu./a.	--Bu./a.--		Bu./a.	--Score--		--Score--		In.		--Mo./day--	
Early[1]															
AP 55	26.5	19.4	34.1	29.0	36.1	30.3	--	1.9	2.3	1.0	1.2	31.5	33.0	9/13	9/25
Bay	30.0	24.9	35.2	27.8	33.2	36.8	16.2	1.0	1.0	1.3	1.5	26.0	32.0	9/14	9/24
Bedford	26.4	20.8	26.6	16.3	37.4	26.9	19.8	1.8	1.5	1.1	1.0	33.6	30.0	9/15	9/28
Deltapine 105	26.7	20.9	32.7	28.0	45.1	37.2	19.8	1.1	1.8	1.1	1.2	28.6	33.5	9/15	9/27
Deltapine 345	32.2	19.4	--	23.2	32.3	28.9	16.5	1.3	1.8	1.0	1.0	28.8	32.0	9/13	9/29
Essex	25.5	19.9	32.9	19.1	37.0	32.2	13.4	1.0	1.0	2.1	1.5	20.0	23.5	9/7	9/22
Forrest	28.8	20.6	42.8	21.7	34.8	33.1	20.1	1.2	1.5	1.0	1.0	28.2	31.0	9/13	9/26
Hartz 143	--	--	31.4	--	--	--	--	1.3	--	1.0	--	39.0	--	9/10	--
RA 480	34.2	20.5	--	33.7	38.2	29.6	17.8	2.0	1.4	1.9	1.2	38.0	35.0	9/11	9/22
Terra Vig 505	--	--	32.0	23.7	38.1	29.0	--	1.5	2.7	1.0	1.0	28.7	33.0	9/16	9/27
Wilstar 550	--	--	--	--	--	--	22.9	1.0	--	1.5	--	28.0	--	9/13	--
Medium															
Brysoy 9	12.7	18.1	--	10.0	20.2	27.0	13.1	1.5	2.4	1.0	1.0	30.5	35.5	9/28	10/12
Centennial	19.1	15.4	31.9	18.2	34.4	37.9	14.7	1.3	1.5	1.0	1.0	31.2	34.0	10/4	10/17
Coker 156	17.8	22.1	34.8	25.3	43.4	35.3	15.7	1.1	1.3	1.0	1.0	30.2	30.5	9/29	10/10
Davis	23.6	19.1	33.4	30.3	39.2	33.2	18.5	2.7	1.6	1.2	1.0	36.2	33.5	9/24	10/7
Deltapine 506	15.7	16.2	29.5	22.3	32.7	34.1	12.4	1.4	2.0	1.0	1.0	35.2	35.0	10/3	10/15
GK 49	26.0	22.1	--	--	--	--	--	2.3	1.0	1.0	1.0	36.0	32.0	10/4	10/13
Jeff	--	--	32.3	14.9	34.6	29.3	13.1	1.0	2.0	1.0	1.0	32.5	35.0	10/1	10/15
Lee 74	20.7	19.4	31.9	17.6	31.3	31.1	11.3	1.2	1.5	1.1	1.0	22.6	29.5	10/1	10/13
McNair 600	14.9	18.3	--	21.0	35.5	30.9	16.0	1.0	2.0	1.0	1.0	30.5	32.5	9/29	10/8
RA 604	27.7	19.4	--	17.6	31.8	24.1	16.5	1.2	2.0	1.0	1.0	31.5	33.0	9/22	10/5

(continued on the following page)

Table 4. Performance of Soybean Varieties in Central Alabama for 1982 (continued)

Variety	Prattville		Shorter	Marion Junction			Camden	1982 average							
				Sumter	Vaiden			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
	--Bu./a.--		Bu./a.	Bu./a.	--Bu./a.--		Bu./a.	--Score--		--Score--		In.		--Mo./day--	
Medium															
RA 680	16.4	17.7	--	21.4	40.6	32.0	12.9	1.1	1.6	1.1	1.0	31.8	35.5	10/2	10/14
S69-96	--	--	40.5	--	--	--	--	1.8	--	1.0	--	36.0	--	10/3	--
Terra Vig 606	19.9	21.6	--	15.6	39.6	31.4	12.6	1.1	1.2	1.0	1.0	30.5	31.0	9/29	10/11
Tracy M	27.1	24.7	37.5	31.4	48.2	33.9	14.7	1.4	1.3	1.0	1.0	29.6	30.0	9/27	10/7
Late															
AP 70	11.4	14.9	26.4	20.3	22.1	32.6	13.9	1.7	1.5	1.0	1.0	42.0	36.0	10/7	10/22
AP 71	14.8	17.1	29.7	--	--	--	14.2	1.4	1.3	1.0	1.0	33.0	34.0	10/4	10/16
Bragg	11.5	14.8	24.3	--	--	--	--	1.7	2.3	1.0	1.0	41.0	34.0	10/11	10/15
Braxton	18.4	17.8	32.3	27.8	40.9	43.8	10.0	1.2	1.0	1.0	1.0	36.2	32.5	10/14	10/26
Brooks	--	--	23.0	3.9	9.3	22.2	--	2.2	1.7	1.0	1.0	39.7	34.0	9/29	10/16
Cobb	14.4	11.7	26.4	15.1	18.7	32.3	11.1	1.9	1.2	1.0	1.4	39.0	34.5	10/16	10/27
Coker 237	20.1	21.4	35.0	16.9	25.2	33.7	14.7	1.1	1.0	1.0	1.0	32.8	29.5	10/1	10/17
Coker 317	12.9	13.9	--	17.1	27.0	29.3	13.1	2.0	2.0	1.1	1.0	35.5	35.0	10/4	10/18
Coker 338	10.6	13.5	22.0	--	--	--	--	1.5	1.5	1.0	1.0	39.0	35.0	10/17	10/27
Coker 368	--	--	--	--	--	--	11.1	1.0	--	1.0	--	39.0	--	10/16	--
Coker 488	12.0	13.7	29.3	18.8	26.6	39.2	9.5	1.2	1.2	1.0	1.0	37.8	37.0	10/14	10/27
Deltapine 497	17.1	18.2	30.3	22.1	26.2	37.8	14.9	1.7	1.4	1.0	1.0	39.8	34.5	10/10	10/22
Dowling	14.3	11.9	26.9	--	--	--	--	1.8	1.3	1.0	1.5	41.0	37.0	10/23	10/26
Duocrop	--	--	23.7	26.7	28.5	29.2	12.1	2.4	1.7	1.1	1.0	46.8	43.0	9/23	10/14
Foster	13.0	15.7	25.1	12.7	30.9	30.9	10.8	1.8	2.2	1.0	1.0	34.6	34.5	10/7	10/19
GaSoy 17	19.8	16.8	29.2	15.6	23.1	32.8	13.1	2.0	1.6	1.1	1.0	38.2	35.5	10/7	10/19
Govan	--	--	27.9	16.5	24.5	33.0	10.8	1.4	2.3	1.0	1.0	34.5	35.0	10/6	10/18

(continued on the following page)

Table 4. Performance of Soybean Varieties in Central Alabama for 1982 (continued)

Variety	Prattville		Shorter	Marion Junction			Camden	1982 average							
				Sumter	Vaiden			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
	--Bu./a.--		Bu./a.	Bu./a.	--Bu./a.--		Bu./a.	--Score--		--Score--		In.		--Mo./day--	
Late															
Hartz 672-3A	--	--	37.0	23.2	27.7	31.8	--	1.6	2.7	1.0	1.0	34.7	38.0	10/5	10/25
HB 50701-7	16.3	14.8	36.3	22.6	30.3	39.0	--	1.5	1.3	1.0	1.0	32.3	30.0	10/6	10/19
Hutton	13.9	12.7	24.0	6.1	7.6	21.7	11.8	1.7	2.1	1.0	1.0	36.6	34.0	10/7	10/21
Kirby	--	--	21.4	14.8	15.6	34.7	7.7	1.1	1.3	1.0	1.0	35.5	31.0	10/13	10/26
McNair 770	17.2	17.7	--	--	--	--	--	1.3	1.0	1.0	1.0	29.0	32.0	10/10	10/15
NAPB 705	--	--	28.0	--	--	--	--	2.3	--	1.0	--	42.0	--	10/4	--
RA 701	--	--	--	8.8	11.8	19.9	9.8	1.5	3.3	1.0	1.0	33.3	33.0	9/30	10/16
RA 800	--	--	33.7	9.8	12.8	23.9	9.8	1.6	2.3	1.0	1.0	31.7	33.0	10/4	10/18
Ransom	20.6	20.6	32.5	23.1	29.2	37.7	11.8	1.1	1.4	1.0	1.0	32.4	32.0	10/3	10/20
Terra Vig 708	27.4	14.4	28.1	--	--	--	16.7	1.5	1.0	1.0	1.0	33.3	35.0	10/5	10/20
Wilstar 790	11.2	11.9	--	6.5	9.3	24.2	--	1.3	1.6	1.0	1.0	35.0	36.0	10/3	10/21
Wright	13.7	15.3	31.7	20.4	28.3	34.1	12.4	1.9	2.2	1.0	1.0	35.6	34.5	10/7	10/22
Test means	19.6	17.7	30.6	19.4	29.5	31.6	13.9								
L.S.D. (.05)	6.4	5.1	7.7	5.0	5.9	5.9	6.1								
C.V. (%)	23.4	20.5	18.1	17.1	14.4	13.5	31.2								

[1]Early--maturity groups IV and V; medium--maturity group VI; and late--maturity groups VII and VIII.

Table 5. Performance of Soybean Varieties in South Alabama for 1982

Variety	Brewton		Headland		Fairhope	1982 average							
						Lodging		Shattering		Plant height		Maturity	
	Date 1	Date 2	Non-irrigated	Irrigated		Date 1	Date 2	Date 1	Date 2	Date 1	Date 2	Date 1	Date 2
	--Bu./a.--		Bu./a.	Bu./a.	Bu./a.	--Score--		--Score--		In.	In.	---Mo./day---	
Early[1]													
Bay	37.3	28.2	33.0	28.3	33.4	1.1	1.0	1.1	1.0	30.0	21.0	10/16	9/27
Bedford	32.4	25.7	32.2	35.2	44.2	1.5	1.0	1.1	1.0	33.5	21.0	10/1	10/1
Brysoy 9	46.9	35.4	--	--	44.7	1.2	1.0	1.0	1.0	38.5	25.0	10/5	10/5
Centennial	40.6	34.1	39.2	45.0	46.9	1.1	1.0	1.0	1.0	35.3	27.0	10/21	10/12
Coker 156	41.4	22.7	48.5	53.0	50.9	1.0	1.0	1.0	1.0	33.0	18.0	10/19	10/6
Davis	46.5	40.7	46.0	48.0	48.2	2.2	1.5	1.0	1.0	33.0	28.0	10/18	10/7
Deltapine 105	39.6	36.8	39.5	39.3	52.3	1.1	1.0	1.0	1.0	33.8	23.0	10/23	9/29
Deltapine 506	--	--	39.0	40.6	51.7	1.2	--	1.0	--	33.0	--	10/22	--
Essex	31.4	33.4	31.5	40.5	28.3	1.0	1.0	1.2	1.0	28.5	20.0	10/16	9/27
Forrest	41.2	32.0	33.2	40.6	41.0	1.2	1.0	1.0	1.0	31.8	21.0	10/14	9/29
GK 49	--	--	45.8	43.3	--	2.4	--	1.0	--	29.5	--	11/1	--
Jeff	42.2	37.3	43.4	45.1	49.0	1.1	1.8	1.0	1.0	37.5	28.0	10/20	10/9
Lee 74	44.4	25.5	37.4	42.1	37.5	1.1	1.0	1.0	1.0	29.5	21.0	10/21	10/11
NAPB 611	40.8	33.4	--	--	--	1.0	1.0	1.0	1.0	29.0	22.0	10/8	10/11
RA 606	--	--	42.7	46.0	--	2.0	--	1.0	--	31.5	--	11/1	--
RA 680	39.4	37.0	--	--	--	1.0	1.0	1.0	1.0	39.0	28.0	10/4	10/10
S69-96	--	--	--	--	55.2	1.0	--	1.0	--	37.0	--	10/15	--
Terra Vig 606	44.3	38.5	39.2	46.3	--	1.0	1.0	1.0	1.0	34.7	24.0	10/24	10/8
Tracy M	33.1	27.7	38.6	40.4	44.2	1.1	1.0	1.0	1.0	30.5	23.0	10/17	10/2
Medium													
A 73-72	45.6	39.5	47.2	47.7	--	1.2	1.0	1.0	1.0	29.7	23.0	10/26	10/15
AP 70	--	--	47.2	54.0	--	1.5	1.0	1.0	1.0	30.0	32.0	11/1	11/1
AP 71	--	--	42.1	54.8	52.3	1.3	--	1.0	--	34.3	--	10/25	--
Braxton	45.8	40.2	45.6	46.4	52.0	1.1	1.0	1.0	1.0	35.3	27.0	10/25	10/18

(continued on the following page)

Table 5. Performance of Soybean Varieties in South Alabama for 1982 (continued)

Variety	Brewton		Headland		Fairhope	1982 average							
						Lodging		Shattering		Plant height		Maturity	
	Date 1	Date 2	Non-irrigated	Irrigated		Date 1	Date 2	Date 1	Date 2	Date 1	Date 2	Date 1	Date 2
	--Bu./a.--		Bu./a.	Bu./a.	Bu./a.	--Score--		--Score--		In.	In.	---Mo./day---	
Medium													
Brooks	45.1	27.1	44.1	48.2	--	2.0	1.0	1.0	1.0	37.3	27.0	10/26	10/15
Coker 80-391	45.7	36.9	--	--	48.8	1.0	1.0	1.0	1.0	32.5	25.0	10/7	10/10
Coker 237	53.0	21.6	47.7	53.8	56.3	1.1	1.0	1.0	1.0	32.8	18.0	10/22	10/14
Coker 317	43.5	24.2	41.8	45.7	48.5	1.3	1.0	1.0	1.0	36.5	28.0	10/24	10/14
Deltapine 417	46.9	44.2	43.9	49.1	54.2	1.3	1.0	1.0	1.0	36.3	29.0	10/24	10/15
Deltapine 497	--	--	--	--	53.4	1.0	--	1.0	--	43.0	--	10/18	--
Duocrop	43.9	28.9	--	--	45.0	1.2	1.0	1.4	1.0	50.5	33.0	10/5	10/7
GaSoy 17	50.8	37.1	42.1	52.5	52.0	1.9	1.0	1.0	1.0	32.8	26.0	10/24	10/13
GK 120	--	--	45.5	49.3	49.9	1.5	--	1.0	--	33.0	--	10/26	--
Govan	39.8	37.6	39.3	38.1	48.2	1.0	1.0	1.0	1.0	37.5	26.0	10/24	10/13
Hartz 672-3A	41.9	23.0	--	--	--	1.8	1.0	1.0	1.0	40.0	28.0	10/10	10/16
McNair 700	51.1	32.0	--	--	--	1.0	1.0	1.0	1.0	31.0	22.0	10/9	10/13
McNair 710	--	--	--	--	46.3	1.0	--	1.0	--	40.0	--	10/15	--
McNair 770	--	--	47.4	53.6	49.0	1.3	--	1.0	--	34.3	--	10/27	--
NAPB 705	48.8	31.9	--	--	49.0	1.3	1.0	1.0	1.0	39.5	25.0	10/13	10/15
RA 701	42.9	34.5	43.9	51.7	46.9	2.0	1.0	1.0	1.0	36.3	27.0	10/25	10/17
Ransom	38.2	34.4	42.4	49.4	49.3	1.1	1.0	1.0	1.0	33.5	21.0	10/24	10/16
S72-60	--	--	44.7	55.0	48.0	1.4	--	1.0	--	33.3	--	10/25	--
Terra Vig 708	43.3	35.2	44.1	53.2	49.0	1.1	1.0	1.0	1.0	37.5	25.0	10/22	10/16
Wilstar 790	41.5	29.6	41.9	47.0	--	1.3	1.0	1.0	1.0	34.7	26.0	10/29	10/20
Wright	43.5	39.9	42.3	47.9	50.4	1.6	1.0	1.0	1.0	35.3	27.0	10/24	10/13
Late													
Cobb	59.4	38.0	54.0	49.4	46.9	1.7	1.8	1.0	1.0	36.0	29.0	10/31	10/26
Coker 338	--	--	47.7	47.4	50.1	1.3	--	1.0	--	36.0	--	10/30	--
Coker 368	49.0	39.1	--	--	47.2	1.2	1.0	1.0	1.0	40.0	24.0	10/17	10/19

(continued on the following page)

Table 5. Performance of Soybean Varieties in South Alabama for 1982 (continued)

Variety	Brewton		Headland		Fairhope	1982 average							
						Lodging		Shattering		Plant height		Maturity	
	Date 1	Date 2	Non-irrigated	Irrigated		Date 1	Date 2	Date 1	Date 2	Date 1	Date 2	Date 1	Date 2
	--Bu./a.--		Bu./a.	Bu./a.	Bu./a.	--Score--		--Score--		In.		---Mo./day---	
Late													
Coker 488	45.5	43.1	43.5	47.8	--	1.1	1.0	1.0	1.0	36.7	29.0	10/27	10/23
Dowling	--	--	47.5	49.5	--	2.3	1.8	1.0	1.0	30.0	28.0	11/4	11/1
Foster	43.9	43.4	46.8	44.5	46.9	2.4	1.8	1.0	1.0	34.8	26.0	10/26	10/19
Hutton	43.9	42.9	43.4	40.1	50.9	1.6	2.3	1.0	1.0	34.5	27.0	10/27	10/23
Kirby	32.8	47.2	--	--	46.9	1.0	1.3	1.0	1.0	38.5	28.0	10/20	10/23
RA 800	43.7	36.9	44.6	48.5	49.9	1.5	1.0	1.0	1.0	33.8	25.0	10/25	10/19
Test means	43.3	34.4	42.7	46.5	47.9								
L.S.D. (.05)	11.3	8.6	6.6	8.5	7.0								
C.V. (%)	18.7	17.9	11.0	13.0	10.4								

[1]Early--maturity groups V and VI; medium--maturity group VII; and late--maturity group VIII.

Table 6. Performance of Soybean Varieties under Irrigation in Central Alabama for 1982.

Variety	Shorter	Camden	1982 average Lodging	Shattering	Plant height	Maturity
	Bu./a.	Bu./a.	Score	Score	In.	Mo./day
Early[1]						
Bay	30.2	18.7	1.0	1.0	21.0	9/11
Bedford	32.1	26.8	1.2	1.0	28.0	9/22
Deltapine 105	--	32.2	1.3	1.0	23.0	9/17
Deltapine 345	--	23.4	1.3	1.0	27.0	9/17
Essex	33.9	12.9	1.0	1.5	15.5	9/5
Forrest	31.7	20.6	1.2	1.0	23.5	9/20
RA 480	--	26.5	1.0	1.0	33.0	9/12
Wilstar 550	--	26.0	1.3	1.0	25.0	9/14
Medium						
Brysoy 9	--	31.1	1.5	1.0	29.0	10/2
Centennial	42.4	29.3	1.2	1.0	29.5	10/7
Coker 156	45.3	36.1	1.0	1.0	25.5	10/2
Davis	43.1	40.9	1.1	1.0	34.5	9/30
Deltapine 506	--	30.6	1.5	1.0	29.0	10/6
Jeff	39.3	19.4	1.0	1.0	25.5	10/6
Lee 74	36.8	16.2	1.1	1.0	21.5	10/4
McNair 600	--	30.3	1.0	1.0	27.0	9/29
RA 604	--	29.3	1.0	1.0	29.0	10/1
RA 680	--	27.8	1.3	1.0	32.0	10/7
S69-96	44.4	--	1.0	1.0	26.0	10/6
Terra Vig 606	--	33.7	1.3	1.0	32.0	10/1
Tracy M	40.3	30.4	1.1	1.3	26.0	9/28
Late						
AP 70	--	29.3	1.3	1.0	40.0	10/13
AP 71	--	26.5	1.3	1.0	26.0	10/7

(continued on the following page)

Table 6. Performance of Soybean Varieties under Irrigation in Central Alabama for 1982 (continued)

Variety	Shorter	Camden	1982 average			
			Lodging	Shattering	Plant height	Maturity
	Bu./a.	Bu./a.	Score	Score	In.	Mo./day
Late						
Braxton	45.5	25.7	1.3	1.0	35.5	10/16
Cobb	43.7	27.5	2.2	1.0	39.5	10/23
Coker 237	45.0	31.1	1.0	1.2	27.5	10/11
Coker 317	--	24.2	2.0	1.0	32.0	10/13
Coker 338	50.6	--	2.0	1.0	34.0	10/28
Coker 368	--	37.3	1.5	1.0	36.0	10/18
Coker 488	--	36.0	1.5	1.0	40.0	10/17
Deltapine 497	--	41.2	3.5	1.0	41.0	10/16
Duocrop	38.2	22.0	1.9	1.4	42.0	9/29
Foster	44.1	28.3	1.9	1.0	30.0	10/17
GaSoy 17	--	37.3	1.8	1.0	36.0	10/11
Govan	41.9	30.4	1.2	1.2	32.0	10/15
HB 50701-7	39.1	--	1.0	1.3	29.0	10/19
Hutton	33.2	26.8	1.6	1.0	32.0	10/23
Kirby	48.5	27.5	1.9	1.0	34.0	10/23
NAPB 705	43.4	--	1.0	1.0	31.0	10/16
RA 701	--	29.1	1.3	1.0	38.0	10/18
RA 800	--	29.3	1.5	1.0	35.0	10/17
Ransom	46.0	27.3	1.0	1.0	28.0	10/11
Terra Vig 708	--	31.1	1.3	1.0	32.0	10/1
Wright	43.0	29.6	1.4	1.0	31.0	10/17
Test means	40.9	28.5				
L.S.D. (.05)	6.9	7.2				
C.V. (%)	12.0	18.2				

[1]Early--maturity groups IV and V; medium--maturity group VI; and late--maturity groups VII and VIII.

Table 7. Performance of Soybean Varieties for Belle Mina, 5-Year Summary

Variety	1981-82 2-year	1980-82 3-year	1979-82 4-year	1978-82 5-year	3-year average, 1979-82			
					Lodging	Shattering	Plant height	Maturity
	Bu./a.	Bu./a.	Bu./a.	Bu./a.	Score	Score	In.	Mo./day
Early[1]								
A 5474	48.2	--	--	--	--	--	--	--
A 5618	49.2	--	--	--	--	--	--	--
AP 55	46.4	--	--	--	--	--	--	--
Bay	40.3	32.3	36.1	33.6	1.9	1.0	29	9/28
Bedford	49.4	40.0	39.6	36.0	2.5	1.0	36	9/28
Deltapine 105	55.0	43.5	45.6	--	2.4	1.0	33	10/2
Deltapine 345	47.0	37.5	38.8	34.8	2.3	1.0	34	10/2
Essex	41.2	33.7	38.3	37.1	1.3	1.0	22	9/22
Forrest	51.7	42.1	42.1	38.4	1.9	1.0	32	9/27
RA 480	43.5	35.7	--	--	2.3	1.0	37	9/19
Wilstar 550	49.1	--	--	--	--	--	--	--
Medium								
Centennial	41.4	32.9	33.8	30.5	2.9	1.0	38	10/19
Coker 156	43.5	34.3	36.0	32.9	2.6	1.0	35	10/16
Davis	42.9	33.9	35.2	31.2	3.1	1.1	37	10/12
Deltapine 506	43.0	33.4	36.9	32.6	3.5	1.0	39	10/20
GK 49	39.8	30.8	--	--	4.0	1.0	38	10/15
Lee 74	40.6	31.8	34.7	31.2	2.6	1.0	30	10/16
McNair 600	43.0	33.1	35.9	31.5	2.8	1.1	37	10/12
NAPB 611	42.8	--	--	--	--	--	--	--
RA 604	45.6	36.9	38.7	34.6	2.7	1.0	36	10/12
RA 680	44.2	35.7	36.2	32.2	2.7	1.0	37	10/17
Terra Vig 606	43.2	33.8	35.4	--	2.8	1.0	38	10/15
Tracy M	40.8	32.2	35.5	--	2.7	1.1	36	10/14
Late								
Braxton	41.2	32.6	36.7	32.6	2.6	1.0	43	10/25
Ransom	40.3	31.2	34.6	31.0	2.5	1.0	35	10/19

[1]Early--maturity groups IV and V; medium--maturity group VI; and late--maturity group VII.

Table 8. Performance of Soybean Varieties for Crossville, 5-Year Summary

Variety	1981-82 2-year		1980-82 3-year		1979-82 4-year		1978-82 5-year		3-year average, 1980-82							
									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	Date 1	Date 2
	--Bu./a.--		--Bu./a.--		--Bu./a.--		--Bu./a.--		---Score--		---Score--		----In.---		--No./day-	
Early[1]																
A 5618	36.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A 5939	39.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bay	43.9	40.3	34.4	32.3	37.4	--	37.1	--	1.5	1.2	1.3	1.0	32	32	10/4	10/13
Bedford	40.2	36.4	32.3	29.9	35.1	32.4	33.7	--	2.7	1.9	1.0	1.1	37	35	9/26	10/14
Deltapine 105	46.9	42.2	37.9	33.9	40.5	--	--	--	1.9	1.9	1.1	1.1	34	34	10/3	10/16
Deltapine 345	42.5	42.9	34.2	34.4	36.3	35.9	34.4	--	1.9	1.7	1.0	1.0	34	32	10/3	10/14
Essex	42.6	40.9	33.7	32.8	37.3	34.9	37.1	31.5	1.0	1.0	1.1	1.3	23	23	9/21	10/1
Forrest	43.4	41.2	34.7	33.4	37.7	35.9	36.1	32.7	1.7	1.7	1.0	1.0	32	33	9/24	10/12
RA 480	38.2	--	29.9	--	--	--	--	--	2.0	--	1.2	--	35	--	9/18	--
Stevens	31.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Terra Vig 505	42.0	42.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wilstar 550	42.6	41.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Medium																
Brysoy 9	33.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Centennial	33.5	33.8	28.1	28.6	32.1	31.3	32.0	29.4	2.2	1.5	1.0	1.0	35	33	10/22	10/24
Coker 156	39.8	40.1	33.0	32.8	36.3	35.4	36.7	33.0	1.6	1.3	1.0	1.1	32	31	10/17	10/20
Davis	38.6	36.8	32.3	31.0	35.0	32.9	32.9	29.8	2.3	1.9	1.3	1.0	36	33	10/13	10/17
Deltapine 506	33.4	36.1	28.0	31.0	30.7	34.0	30.3	31.9	2.8	2.8	1.0	1.0	37	36	10/20	10/28
Hartz 587	39.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lee 74	36.5	37.4	30.4	31.0	32.8	33.9	32.2	31.5	1.8	2.5	1.0	1.0	30	32	10/18	10/26
McNair 600	39.7	--	32.7	--	35.1	--	33.5	--	2.1	--	1.0	--	34	--	10/16	--
NAPB 611	35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RA 604	40.5	--	32.5	--	36.0	--	34.0	--	2.1	--	1.2	--	36	--	10/15	--
RA 680	35.2	--	30.4	--	33.5	--	32.8	--	1.6	--	1.0	--	35	--	10/20	--

(continued on the following page)

Table 8. Performance of Soybean Varieties for Crossville, 5-Year Summary (continued)

Variety	1981-82 2-year		1980-82 3-year		1979-82 4-year		1978-82 5-year		3-year average, 1980-82							
									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	Date 1	Date 2
	--Bu./a.--		--Bu./a.--		--Bu./a.--		--Bu./a.--		---Score--		---Score--		----In.---		--Mo./day-	
Medium																
Terra Vig 606	38.2	--	32.1	--	34.8	--	--	--	1.8	--	1.0	--	34	--	10/18	--
Tracy M	39.8	39.8	32.5	31.9	35.8	34.1	--	--	2.4	1.8	1.3	1.0	33	32	10/16	10/22
Late																
Braxton	36.2	37.4	31.2	32.2	34.7	34.6	32.8	30.9	1.8	1.3	1.0	1.0	38	36	10/24	10/29
Coker 237	--	37.6	--	32.3	--	--	--	--	--	1.4	--	1.0	--	30	--	10/27
Ransom	36.9	36.1	31.1	31.3	33.9	33.0	32.4	30.3	1.7	1.3	1.0	1.0	32	33	10/22	10/28

[1]Early--maturity groups IV and V; medium--maturity group VI; and late--maturity group VII.

Table 9. Performance of Soybean Varieties for Prattville, 5-Year Summary

Variety	1981-82 2-year Date 1 Bu./a.	1980-82 3-year Date 1 Bu./a.	1979-82 4-year Date 1 Bu./a.	1978-82 5-year Date 1 Bu./a.	3-year average, 1980-82 Lodging Date 1 Score	Shattering Date 1 Score	Plant height Date 1 In.	Maturity Date 1 Mo./day
Early[1]								
AP 55	26.9	--	--	--	--	--	--	--
Bay	27.4	20.1	20.1	--	1.0	1.7	24	9/23
Bedford	27.3	20.1	19.2	--	1.4	1.3	31	9/22
Deltapine 105	31.2	22.7	--	--	1.1	1.2	30	9/26
Deltapine 345	31.5	--	--	--	--	--	--	--
Essex	25.6	21.7	21.6	23.3	1.0	1.9	20	9/19
Forrest	28.8	21.3	20.4	21.7	1.0	1.1	28	9/21
RA 480	32.0							
Medium								
Centennial	23.1	18.5	17.3	16.2	1.0	1.0	33	10/15
Coker 156	23.2	19.0	17.2	17.2	1.0	1.0	34	10/16
Davis	29.6	21.2	18.8	19.1	1.5	1.3	35	9/29
Deltapine 506	20.6	16.6	15.7	14.1	1.4	1.0	36	10/17
GK 49	28.1	--	--	--	--	--	--	--
Lee 74	23.9	18.1	16.1	15.7	1.4	1.0	27	10/15
McNair 600	21.7	17.1	15.2	14.9	1.1	1.0	33	10/12
RA 604	29.3	21.7	19.3	--	1.2	1.0	32	10/2
RA 680	22.8	18.5	17.1	16.6	1.0	1.0	35	10/15
Terra Vig 606	25.4	19.9	17.9	--	1.1	1.0	34	10/15
Tracy M	27.5	21.1	19.4	--	1.2	1.1	32	10/17

(continued on the following page)

Table 9. Performance of Soybean Varieties for Prattville, 5-Year Summary (continued)

Variety	1981-82 2-year Date 1 Bu./a.	1980-82 3-year Date 1 Bu./a.	1979-82 4-year Date 1 Bu./a.	1978-82 5-year Date 1 Bu./a.	3-year average, 1980-82 Lodging Date 1 Score	Shattering Date 1 Score	Plant height Date 1 In.	Maturity Date 1 Mo./day
Late								
AP 70	17.2	13.8	14.2	13.3	1.1	1.0	44	10/20
AP 71	22.5	17.7	--	--	1.6	1.0	34	10/18
Bragg	17.4	14.7	14.8	13.6	1.3	1.0	39	10/17
Braxton	22.9	18.8	18.3	17.4	1.2	1.0	36	10/22
Cobb	17.9	15.1	15.3	14.1	1.3	1.0	39	10/24
Coker 237	21.3	16.5	14.9	14.3	1.0	1.0	33	10/14
Coker 317	20.0	16.1	15.7	--	1.3	1.0	38	10/20
Coker 338	17.4	14.7	14.8	14.5	1.5	1.0	37	10/24
Coker 488	22.9	18.9	18.0	17.0	1.0	1.0	41	10/25
Deltapine 497	22.6	--	--	--	--	--	--	--
Dowling	17.0	14.6	15.6	15.1	1.2	1.0	38	10/26
Foster	19.8	--	--	--	--	--	--	--
GaSoy 17	24.4	20.0	19.6	17.9	1.5	1.1	39	10/15
HB 50701-7	23.3	--	--	--	--	--	--	--
Hutton	19.1	15.9	15.7	14.6	1.6	1.0	37	10/22
McNair 770	24.7	18.9	16.6	--	1.2	1.0	31	10/18
Ransom	22.7	18.0	16.5	15.6	1.0	1.0	33	10/15
Wilstar 790	16.7	13.9	--	--	1.1	1.0	38	10/22
Wright	20.9	16.9	16.8	--	1.5	1.0	36	10/19

[1]Early--maturity groups IV and V; medium--maturity group VI; and late--maturity groups VII and VIII.

Table 10. Performance of Soybean Varieties for Marion Junction, 5-Year Summary

Variety	1981-82 2-year		1980-82 3-year	1979-82 4-year	1978-82 5-year	3-year average, 1980-82				2-year average, 1981-82			
						Lodging	Shattering	Plant height	Maturity	Lodging	Shattering	Plant height	Maturity
	Sumter soil	Vaiden soil	Sumter soil	Sumter soil	Sumter soil	Sumter soil	Sumter soil	Sumter soil	Sumter soil	Vaiden soil	Vaiden soil	Vaiden soil	Vaiden soil
	----Bu./a.---		Bu./a.	Bu./a.	Bu./a.	Score	Score	In.	Mo./day	Score	Score	In.	Mo./day
Early[1]													
AP 55	20.8	34.1	--	--	--	--	--	--	--	2.0	1.0	32	9/19
Bay	16.6	33.3	15.9	16.6	--	1.0	2.0	16	9/11	1.0	1.2	26	9/26
Bedford	11.9	37.6	12.1	12.2	--	1.2	1.8	22	9/18	1.2	1.0	34	9/22
Deltapine 105	24.5	41.6	22.0	--	--	1.2	1.5	19	9/13	1.8	1.0	32	9/25
Deltapine 345	18.5	34.8	--	--	--	--	--	--	--	1.5	1.5	30	9/26
Essex	12.0	37.8	11.2	14.2	18.4	1.1	2.7	12	9/2	1.0	1.0	19	10/1
Forrest	15.4	37.0	13.5	13.8	18.9	1.0	1.3	17	9/16	1.0	1.0	29	9/21
RA 480	24.9	37.3	--	--	--	--	--	--	--	2.2	1.2	44	9/14
Terra Vig 505	19.0	38.8	--	--	--	--	--	--	--	1.8	1.0	30	9/25
Medium													
Brysoy 9	10.4	28.4	--	--	--	--	--	--	--	2.8	1.0	32	10/3
Centennial	16.7	36.6	16.4	19.0	21.1	1.0	1.1	22	10/6	2.0	1.0	36	10/10
Coker 156	24.1	44.8	21.5	21.2	24.2	1.0	1.0	23	10/4	1.1	1.0	34	10/7
Davis	24.0	38.7	21.3	22.1	25.1	1.8	2.0	26	9/25	2.5	1.0	37	10/3
Deltapine 506	20.0	39.9	18.5	18.4	21.0	1.7	1.2	24	10/5	2.5	1.0	38	10/7
Lee 74	17.7	37.0	15.8	16.6	19.2	1.0	1.3	16	10/5	1.4	1.0	26	10/6
McNair 600	18.6	38.7	16.9	19.6	22.7	1.0	1.3	21	10/3	1.5	1.0	36	10/5
RA 604	14.5	37.4	13.8	14.9	--	1.1	1.5	22	9/22	1.3	1.0	35	9/29
RA 680	15.4	41.2	15.5	17.6	--	1.0	1.2	22	10/4	1.4	1.0	34	10/6
Terra Vig 606	16.0	41.0	16.4	--	--	1.0	1.4	22	10/2	1.6	1.0	35	10/4
Tracy M	22.1	46.8	20.9	23.0	--	1.0	1.3	23	10/4	1.6	1.0	32	10/16

(continued on the following page)

Table 10. Performance of Soybean Varieties for Marion Junction, 5-Year Summary (continued)

Variety	1981-82 2-year		1980-82 3-year	1979-82 4-year	1978-82 5-year	3-year average, 1980-82				2-year average, 1981-82			
						Lodging	Shattering	Plant height	Maturity	Lodging	Shattering	Plant height	Maturity
	Sumter soil	Vaiden soil	Sumter soil	Sumter soil	Sumter soil	Sumter soil	Sumter soil	Sumter soil	Sumter soil	Vaiden soil	Vaiden soil	Vaiden soil	Vaiden soil
	----Bu./a.---		Bu./a.	Bu./a.	Bu./a.	Score	Score	In.	Mo./day	Score	Score	In.	Mo./day
Late													
AP 70	18.9	25.6	19.3	20.3	23.2	1.3	1.0	35	10/9	2.6	1.0	43	10/10
Braxton	23.8	36.0	22.8	23.4	26.4	1.1	1.0	30	10/15	1.4	1.0	42	10/20
Brooks	8.8	18.2	9.3	11.2	--	1.6	1.0	35	10/8	1.6	1.0	38	10/5
Cobb	16.4	24.2	17.0	17.4	20.2	1.8	1.9	31	10/15	2.2	1.0	42	10/18
Coker 237	12.9	32.5	13.9	15.9	20.7	1.0	1.2	25	10/3	1.2	1.0	38	10/6
Coker 317	16.0	29.1	16.5	18.7	--	1.4	1.3	27	10/10	3.0	1.0	40	10/8
Coker 488	17.5	29.6	17.3	19.3	23.0	1.0	1.0	28	10/15	2.2	1.0	44	10/16
Foster	11.7	32.2	--	--	--	--	--	--	--	4.0	1.0	39	10/8
GaSoy 17	15.9	29.7	16.8	17.7	20.5	1.3	1.0	31	10/8	2.5	1.0	40	10/8
Hartz 672-3A	15.5	32.4	--	--	--	--	--	--	--	1.8	1.0	38	10/12
HB 50701-7	16.6	35.2	--	--	--	--	--	--	--	2.2	1.0	36	10/10
Hutton	7.5	15.0	8.1	9.6	14.0	1.4	1.3	28	10/8	3.4	1.0	37	10/7
RA 701	11.0	20.4	--	--	--	--	--	--	--	2.2	1.0	30	10/6
RA 800	9.3	19.9	9.9	--	--	1.1	1.2	24	10/10	3.1	1.0	37	10/6
Ransom	18.8	34.0	18.4	20.4	22.9	1.0	1.1	22	10/5	1.2	1.0	36	10/10
Wilstar 790	9.1	22.4	8.6	11.1	--	1.1	1.1	27	10/10	1.8	1.0	40	10/5
Wright	20.9	35.5	20.3	--	--	1.9	1.1	26	10/11	2.8	1.0	38	10/10

[1]Early--maturity groups IV and V; medium--maturity group VI; and late--maturity groups VII and VIII.

Table 11. Performance of Soybean Varieties for Camden and Shorter, 3-Year Summary

Variety	Camden 1981-82 2-year		Shorter 1981-82 2-year	Shorter 1980-82 3-year	Camden 2-year average, 1981-82								Shorter 3-year average, 1980-82			
					Lodging		Shattering		Plant height		Maturity					
	Non-irr.	Irr.			Non-irr.	Irr.	Non-irr.	Irr.	Non-irr.	Irr.	Non-irr.	Irr.	Lodging	Shattering	Plant height	Maturity
	--Bu./a.-		Bu./a.	Bu./a.	--Score--		--Score--		In.	In.	-Mo./day-		Score	Score	In.	Mo./day
Early[1]																
AP 55	--	--	21.2	--	--	--	--	--	--	--	--	--	--	--	--	--
Bay	20.1	23.5	21.6	16.2	1.0	1.0	1.9	1.0	22	22	--	--	1.0	1.3	21	9/15
Bedford	22.0	32.1	18.4	15.1	1.0	1.1	1.0	1.0	31	28	--	--	1.7	1.1	27	9/16
Deltapine 105	26.8	40.3	22.9	18.7	1.0	1.1	1.0	1.0	29	25	--	--	1.1	1.0	23	9/18
Deltapine 345	23.9	29.3	--	--	1.0	1.1	1.0	1.0	27	23	--	--	--	--	--	--
Essex	19.1	23.6	18.6	15.6	1.0	1.0	3.3	1.5	19	16	--	--	1.0	1.3	17	9/11
Forrest	26.4	27.7	27.1	21.1	1.0	1.1	1.0	1.0	27	22	--	--	1.3	1.0	23	9/16
RA 480	23.9	30.7	--	--	1.0	1.0	2.4	1.0	33	31	9/17	9/14	--	--	--	--
Terra Vig 505	--	--	22.8	--	--	--	--	--	--	--	--	--	--	--	--	--
Wilstar 550	27.2	35.5	--	--	1.0	1.1	1.3	1.0	27	24	--	--	--	--	--	--
Medium																
Centennial	21.4	33.4	24.1	18.8	1.0	1.4	1.0	1.0	31	29	10/9	10/11	1.1	1.0	28	10/10
Coker 156	20.8	39.6	23.6	18.4	1.0	1.0	1.0	1.0	30	30	10/4	10/8	1.1	1.0	24	10/6
Davis	23.9	41.7	22.2	17.1	1.0	1.2	1.0	1.0	38	36	10/1	10/7	1.8	1.9	28	9/30
Deltapine 506	20.6	35.2	23.1	17.5	1.3	1.6	1.0	1.0	35	31	10/7	10/12	1.3	1.0	29	10/4
Lee 74	18.3	27.4	20.0	15.3	1.0	1.1	1.3	1.0	24	22	10/6	10/10	1.0	1.0	21	10/11
McNair 600	21.6	33.6	--	--	1.0	1.5	1.0	1.0	33	29	10/2	10/6	--	--	--	--
RA 604	21.8	33.7	--	--	1.0	1.2	1.0	1.0	30	29	10/1	10/6	--	--	--	--
RA 680	20.1	33.2	--	--	1.0	1.1	1.3	1.0	31	33	10/7	10/10	--	--	--	--
Terra Vig 606	18.8	36.8	--	--	1.0	1.3	1.0	1.0	32	34	10/3	10/8	--	--	--	--
Tracy M	20.0	34.9	27.3	20.5	1.0	1.6	1.0	1.3	31	29	10/4	10/8	1.3	1.0	27	10/3

(continued on the following page)

Table 11. Performance of Soybean Varieties for Camden and Shorter, 3-Year Summary (continued)

Variety	Camden 1981-82 2-year		Shorter 1981-82 2-year	Shorter 1980-82 3-year	Camden 2-year average, 1981-82								Shorter 3-year average, 1980-82			
					Lodging		Shattering		Plant height		Maturity					
	Non-irr.	Irr.			Non-irr.	Irr.	Non-irr.	Irr.	Non-irr.	Irr.	Non-irr.	Irr.	Lodging	Shattering	Plant height	Maturity
	--Bu./a.-		Bu./a.	Bu./a.	--Score--		--Score--		In.	In.	-Mo./day-		Score	Score	In.	Mo./day
Late																
AP 70	18.3	35.1	25.1	19.6	1.5	1.3	1.0	1.0	40	39	10/15	10/17	1.3	1.0	35	10/15
AP 71	19.3	32.5	23.5	18.3	1.7	1.5	1.0	1.0	32	28	10/11	10/14	1.2	1.0	27	10/11
Bragg	--	--	21.0	16.7	--	--	--	--	--	--	--	--	1.4	1.0	33	10/16
Braxton	17.4	33.3	24.1	18.8	1.2	1.3	1.0	1.0	36	35	10/17	10/20	1.0	1.0	31	10/17
Brooks	--	--	20.3	15.6	--	--	--	--	--	--	--	--	1.4	1.0	35	10/16
Cobb	15.1	32.2	22.9	18.3	1.5	1.8	1.0	1.0	40	40	10/24	10/25	1.5	1.0	33	10/24
Coker 237	20.2	38.7	26.9	20.3	1.3	1.2	1.0	1.0	28	30	10/13	10/15	1.0	1.0	28	10/13
Coker 317	16.4	29.8	--	--	1.3	1.8	1.5	1.0	33	33	10/11	10/19	--	--	--	--
Coker 338	--	--	18.4	14.8	--	--	--	--	--	--	--	--	1.2	1.0	32	10/23
Coker 488	15.9	37.4	22.8	18.1	1.5	1.6	1.0	1.0	37	39	10/21	10/23	1.2	1.0	33	10/22
Deltapine 497	17.9	41.1	23.8	--	1.1	2.4	1.0	1.0	40	38	10/15	10/19	--	--	--	--
Dowling	--	--	21.3	16.8	--	--	--	--	--	--	--	--	1.3	1.0	32	10/24
Foster	16.5	32.8	22.2	--	1.3	1.7	1.0	1.0	35	34	10/18	10/20	--	--	--	--
GaSoy 17	18.0	37.7	22.8	17.6	1.3	1.7	1.0	1.0	38	36	10/17	10/17	1.4	1.0	32	10/16
Hartz 672-3A	--	--	27.5	--	--	--	--	--	--	--	--	--	--	--	--	--
HB 50701-7	--	--	25.9	--	--	--	--	--	--	--	--	--	--	--	--	--
Hutton	17.1	31.3	19.5	15.1	1.6	1.5	1.0	1.0	34	33	10/21	10/26	1.2	1.0	31	10/21
RA 701	17.0	36.2	--	--	1.5	1.5	1.0	1.0	38	37	10/16	10/20	--	--	--	--
RA 800	17.2	36.2	--	--	1.2	1.6	1.0	1.0	38	36	10/23	10/22	--	--	--	--
Ransom	17.2	33.3	24.2	18.2	1.2	1.0	1.0	1.0	32	30	10/12	10/18	1.2	1.0	25	10/12
Wright	19.6	34.8	26.1	20.5	1.6	1.5	1.0	1.0	35	33	10/15	10/19	1.6	1.0	31	10/16

[1]Early--maturity groups IV and V; medium--maturity group VI; and late--maturity groups VII and VIII.

Table 12. Performance of Soybean Varieties for Headland, 5-Year Summary

Variety	1981-82 2-year		1980-82 3-year		1979-82 4-year	1978-82 5-year	3-year average, 1980-82							
							Lodging		Shattering		Plant height		Maturity	
	Non-irr.	Irr.	Non-irr.	Irr.	Non-irrigated	Non-irrigated	Non-irr.	Irr.	Non-irr.	Irr.	Non-irr.	Irr.	Non-irr.	Irr.
	--Bu./a.-		--Bu./a.-		Bu./a.	Bu./a.	--Score--		---Score--		In.		--Mo./day--	
Early[1]														
Bay	25.2	23.3	23.0	27.5	--	--	1.1	1.0	1.3	1.3	24	23	10/12	10/21
Bedford	31.6	40.6	26.1	99.6	--	--	1.6	1.6	1.0	1.2	29	27	10/12	10/18
Centennial	41.3	46.2	36.9	46.2	33.1	31.7	1.1	1.2	1.1	1.0	28	29	10/22	10/26
Coker 156	47.6	52.1	39.8	51.2	35.9	33.9	1.1	1.2	1.0	1.1	28	29	10/25	10/26
Davis	47.5	49.0	37.2	51.5	33.8	32.1	1.2	1.1	1.2	1.0	27	29	10/19	10/27
Deltapine 105	41.7	43.7	33.2	43.3	--	--	1.0	1.4	1.1	1.0	27	28	10/11	10/18
Deltapine 506	43.3	43.2	--	--	--	--	--	--	--	--	--	--	--	--
Essex	27.3	34.6	24.0	31.8	--	--	1.0	1.0	1.3	1.2	23	22	10/12	10/20
Forrest	32.2	37.1	27.0	36.6	25.2	25.6	1.2	1.2	1.1	1.0	25	24	10/11	10/15
Lee 74	36.6	40.5	30.1	38.7	27.7	27.0	1.3	1.1	1.0	1.0	24	24	10/23	10/27
Terra Vig 606	42.1	46.4	--	--	--	--	--	--	--	--	--	--	--	--
Tracy M	40.6	39.5	34.0	39.3	--	--	1.2	1.4	1.2	1.8	27	26	10/22	10/26
Medium														
AP 70	50.1	52.0	39.6	51.8	36.2	34.8	1.4	1.2	1.0	1.0	33	35	10/27	10/27
AP 71	45.9	50.1	36.0	47.1	--	--	1.4	1.3	1.0	1.0	28	29	10/25	10/27
Braxton	48.8	47.1	40.1	46.0	36.6	--	1.2	1.1	1.0	1.0	32	33	10/29	10/27
Brooks	47.7	47.5	39.9	45.8	36.8	--	1.4	1.8	1.0	1.0	35	32	10/26	10/27
Coker 237	51.1	54.2	42.2	51.4	38.0	36.5	1.1	1.1	1.0	1.0	30	29	10/27	10/26
Coker 317	43.8	46.1	34.6	44.7	--	--	1.3	1.4	1.2	1.0	32	30	10/25	10/27
Foster	46.3	45.8	--	--	--	--	--	--	--	--	--	--	--	--
GaSoy 17	47.9	51.2	38.6	47.6	36.3	35.6	1.7	1.3	1.0	1.0	27	30	10/27	10/28
McNair 770	43.3	51.1	35.8	49.2	--	--	1.3	1.1	1.0	1.0	28	30	10/26	10/27
RA 701	44.0	54.3	--	--	--	--	--	--	--	--	--	--	--	--
Ransom	45.6	47.2	35.8	46.9	33.1	32.3	1.2	1.3	1.2	1.0	28	28	10/25	10/28
Wright	46.5	48.1	37.5	45.9	34.2	--	1.7	1.4	1.1	1.0	30	31	10/26	10/27

(continued on the following page)

Table 12. Performance of Soybean Varieties for Headland, 5-Year Summary (continued)

Variety	1981-82 2-year		1980-82 3-year		1979-82 4-year	1978-82 5-year	3-year average, 1980-82							
							Lodging		Shattering		Plant height		Maturity	
	Non-irr.	Irr.	Non-irr.	Irr.	Non-irrigated	Non-irrigated	Non-irr.	Irr.	Non-irr.	Irr.	Non-irr.	Irr.	Non-irr.	Irr.
	--Bu./a.-		--Bu./a.-		Bu./a.	Bu./a.	--Score--		---Score--		In.	In.	--Mo./day--	
Late														
Cobb	48.8	52.0	39.0	49.5	37.3	35.0	1.4	1.4	1.0	1.0	31	35	10/30	10/31
Coker 338	48.4	49.8	39.4	48.7	35.3	34.1	1.3	1.3	1.0	1.0	33	30	10/28	10/28
Coker 488	43.2	50.8	36.2	47.5	33.8	32.9	1.4	1.1	1.0	1.0	34	35	10/27	10/27
Dowling	48.5	49.6	39.7	49.4	37.4	35.8	1.4	1.4	1.0	1.0	31	31	10/29	10/28
Hutton	48.5	45.9	39.5	45.4	36.0	34.3	1.8	1.6	1.0	1.0	32	32	10/26	10/27
RA 800	45.4	53.6	35.5	51.6	--	--	1.6	1.4	1.0	1.0	30	33	10/27	10/27

[1]Early--maturity groups V and VI; medium--maturity group VII; and late--maturity group VIII.

Table 13. Performance of Soybean Varieties for Brewton, 5-Year Summary

Variety	1981-82 2-year		1980-82 3-year	1979-82 4-year	1978-82 5-year	3-year average, 1980-82			
	Date 1	Date 2	Date 1	Date 1	Date 1	Lodging	Shattering	Plant height	Maturity
	Bu./a.	Bu./a.	Bu./a.	Bu./a.	Bu./a.	Score	Score	In.	Mo./day
Early[1]									
Bay	37.1	--	34.5	--	--	1.0	1.3	26	9/15
Bedford	36.4	--	32.7	32.2	--	1.2	1.6	30	9/17
Centennial	44.5	34.3	40.3	39.6	37.0	1.2	1.0	35	10/5
Coker 156	48.0	25.1	43.1	41.9	39.7	1.0	1.2	29	10/3
Davis	48.7	38.5	41.9	39.6	37.6	1.0	1.3	33	9/24
Deltapine 105	46.8	35.6	42.1	--	--	1.3	1.2	29	9/18
Essex	32.9	--	31.5	--	--	1.0	2.1	19	9/13
Forrest	42.9	30.1	38.4	36.6	34.9	1.1	1.0	27	9/17
Lee 74	44.3	--	39.6	39.0	36.1	1.0	1.0	26	10/6
Terra Vig 606	45.5	--	--	--	--	--	--	--	--
Tracy M	38.5	28.1	34.6	--	--	1.0	1.6	31	10/2
Medium									
Braxton	48.0	38.6	44.1	44.5	42.3	1.3	1.0	37	10/11
Brooks	43.4	--	40.6	--	--	1.8	1.0	43	10/10
Coker 237	54.1	29.4	46.0	47.2	43.8	1.3	1.0	31	10/8
Coker 317	42.6	--	38.7	39.4	--	1.6	1.0	34	10/10
Foster	47.5	--	--	--	--	--	--	--	--
GaSoy 17	51.9	38.8	47.1	44.8	41.5	1.7	1.0	39	10/10
Hartz 672-3A	44.5	--	--	--	--	--	--	--	--
RA 701	48.4	--	--	--	--	--	--	--	--
Ransom	45.5	35.3	41.0	39.4	37.2	1.1	1.0	31	10/10
Wright	49.7	37.9	43.8	44.6	--	1.9	1.0	37	10/10
Late									
Cobb	54.4	40.9	48.5	45.6	43.1	1.4	1.0	42	10/19
Coker 488	46.2	41.5	43.7	42.6	41.0	1.3	1.0	40	10/13
Hutton	46.3	37.3	43.7	43.1	40.5	1.7	1.0	38	10/14
RA 800	46.9	--	43.4	--	--	1.4	1.0	37	10/12

[1]Early--maturity groups IV and V; medium--maturity group VII; and late--maturity group VIII.

Table 14. Performance of Soybean Varieties for Fairhope, 5-Year Summary

Variety	1981-82 2-year Bu./a.	1980-82 3-year Bu./a.	1979-82 4-year Bu./a.	1978-82 5-year Bu./a.	3-year average, 1980-82 Lodging Score	Plant height In.	Maturity Mo./day
Early[1]							
Bay	32.5	32.1	--	--	1.0	32	9/27
Bedford	42.2	38.2	36.2	--	1.1	37	9/25
Centennial	39.9	37.1	34.7	35.7	1.0	35	10/8
Coker 156	43.5	40.0	39.2	41.1	1.0	38	10/5
Davis	42.9	39.0	37.1	38.4	1.2	39	9/29
Deltapine 105	47.5	42.4	--	--	1.0	35	9/24
Deltapine 506	42.1	--	--	--	--	--	--
Essex	32.3	32.1	--	--	1.0	27	9/28
Forrest	40.3	37.4	35.1	34.9	1.0	32	9/23
Lee 74	36.7	36.9	35.2	36.0	1.0	32	10/8
Tracy M	40.3	36.6	35.8	--	1.3	35	9/27
Medium							
AP 71	43.1	40.0	--	--	--	39	10/9
Braxton	44.0	43.0	40.0	40.1	1.3	40	10/16
Coker 237	46.6	45.1	42.2	43.7	1.0	40	10/10
Coker 317	41.8	38.9	35.9	--	1.7	42	10/13
Deltapine 497	46.2	--	--	--	--	--	--
Foster	39.2	--	--	--	--	--	--
GaSoy 17	44.7	42.0	39.0	40.2	1.3	43	10/13
McNair 770	44.8	40.4	38.0	39.3	--	36	10/10
RA 701	42.0	--	--	--	--	--	--
Ransom	41.8	40.1	38.2	40.4	1.0	34	10/12
Wright	43.5	39.5	37.5	--	--	40	10/13
Late							
Cobb	39.1	36.7	32.4	35.6	--	46	10/19
Coker 338	41.9	38.7	35.9	37.5	--	41	10/19
Hutton	41.4	38.6	35.4	37.2	1.3	42	10/18
RA 800	43.4	39.5	--	--	--	41	10/15

[1]Early--maturity groups V and VI; medium--maturity group VII; and late--maturity group VIII.