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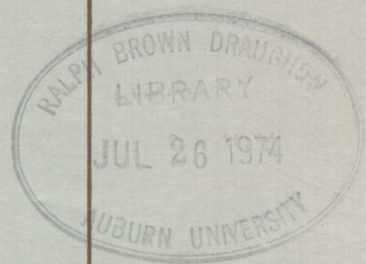


Alabama

Soybean

Variety

Tests  
1973



DEPARTMENT OF AGRONOMY & SOILS  
AGRICULTURAL EXPERIMENT STATION  
R. DENNIS ROUSE, Director

DEPARTMENTAL SERIES NO. 17  
AUBURN UNIVERSITY  
AUBURN, ALABAMA



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"Alabama soybean varieties tests, 1971-

Table of Contents

	Page
Introduction . . . . .	1
Experimental Procedures, Seasonal Rainfall, and Description of Data Recorded . . . . .	1-3
Soybean Variety Recommendations and Sources of Seed used in 1973 tests. . . . .	4-5
Soybean Variety Descriptions and Disease Resistance. . . . .	6
Soybean Yield Data and Other Growth Characteristics by location.	
Black Belt Substation, Marion Junction, Ala. . . . .	7-12
Brewton Experiment Field, Brewton, Ala . . . . .	13-17
Gulf Coast Substation, Fairhope, Ala . . . . .	18-20
Upper Coastal Plain Substation, Winfield, Ala. . . . .	21-25
Prattville Experiment Field, Prattville, Ala . . . . .	26-30
Sand Mountain Substation, Crossville, Ala. . . . .	31-35
Wiregrass Substation, Headland, Ala. . . . .	36
Tennessee Valley Substation, Belle Mina, Ala . . . . .	37-38
Soybean Seed Quality and Size Rating for all locations . . . . .	39-44



## INTRODUCTION

To properly evaluate a soybean variety it should be grown at a number of locations, at various planting dates, and over a period of years. This will subject the variety to differences in soil and climatic conditions that occur throughout the State. The most common limiting factor in soybean production is inadequate moisture during pod development and filling. It is important that varieties from more than one maturity group be evaluated. Since soybeans are highly photoperiodic, the blooming period, period of pod development and fill, and maturity date of a particular variety do not vary greatly from year to year.

## EXPERIMENTAL PROCEDURES

A randomized block design in 4 replications was used at each of 8 locations. One to three planting dates were used at each location with the first planting at the optimal time for maximum yield. All locations were on units of the Auburn University Agricultural Experiment Station. Plots were 4 rows wide and 20 feet long with 16 ft. of 2 center rows harvested for yield determinations. All plots were planted with conventional planters with a cone hopper to distribute seed. Row width varied from 36 inches to 42 inches depending on location.

## SEASONAL CONDITIONS

Early in the 1973 season moisture was good and even in excess in some locations. Adequate stands were obtained at all plantings. Moisture was good during the early growth periods at all locations for the early planting dates except at the Wiregrass Substation. Severe drought conditions existed in 1973 during pod filling of mid to late season varieties in the central part of the State. Good yields were obtained for full season varieties in southern Alabama.

Rainfall for the period of August 15 through September 30 was quite variable for the year 1971, 1972, and 1973 at each location (Table 1). This is the period of pod development and fill for mid to full season varieties.

Heavy rains caused delay in harvesting of some tests. Part of the 1973 Brewton Field variety x date of planting test was not harvested due to late November and December rains.

Table 1. Rainfall by location during the period August 15 through September 30 for 1971, 1972 and 1973.

Location	Rainfall from August 15 to September 30		
	1971 Inches	1972 Inches	1973 Inches
Black Belt Substation----- (Marion Junction)	8.59	3.85	4.88
Brewton Field ----- (Brewton)	8.17	3.10	8.43
Gulf Coast Substation----- (Fairhope)	15.58	6.86	12.77
Prattville Field----- (Prattville)	7.65	4.20	2.95
Sand Mountain Substation----- (Crossville)	6.54	5.90	8.18
Upper Coastal Plain Substation----- (Winfield)	7.49	4.81	4.82
Tennessee Valley Substation----- (Belle Mina)	4.32	5.95	3.58
Wiregrass Substation----- (Headland)		----	6.26

## DATA RECORDED

Yield of soybeans was determined by hand cutting the 2 center rows of each plot and threshing with a plot thresher. Plot yields were adjusted to 13% moisture and converted to bushel (60 lb.) per acre.

Maturity was rated as the date when the pods were dry and most of the leaves had dropped. Under most conditions, the stems were also dry.

Lodging was based on a scale of 1 to 5 according to the following criteria:

- 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% of the plants down.
- 4 - either all plants leaning considerably (more than 45°) or 50 to 80% of the plants down.
- 5 - all plants down.

Shattering ratings were based on shattering of the border rows 14 days after maturity. The estimates were rated on a scale of 1 to 5 follows:

- 1 - no shattering.
- 2 - 1 to 3% shattering.
- 3 - 4 to 8% shattering.
- 4 - 9 to 18% shattering.
- 5 - over 20% shattering.

Plant height was determined as the average length of plants from the ground to the top extremity at time of maturity.

Height of first pod was determined as the average height of the lowest pods from the ground at maturity.

Seed size for each variety was determined from a composite sample of all replications at a given planting date and location. Seed size is reported as gram/per 100 seeds.

Seed quality was based on a rating from 1 to 5 according to the following scale: (1) very good, (2) good, (3) fair, (4) poor, and (5) very poor. The factors considered were development of seed, wrinkling damage, and brightness. Much of the poor quality reported was due to late harvesting and to excessive rain.

Purple stain ratings were given to seed samples on a scale of 1 to 5 as follows:

- |                              |                       |
|------------------------------|-----------------------|
| 1 - no purple staining.      | 4 - 9 to 19% staining |
| 2 - 1 to 3% purple staining. | 5 - over 20% staining |
| 3 - 4 to 8% purple staining  |                       |

Very Early Varieties - Maturity Group V

Dare	Alabama Foundation Seed Stock Farm, Thorsby, Ala.
Forrest	
(D68-123)	USDA Delta Branch Experiment Station, Stoneville, Miss.
Essex	USDA Delta Branch Experiment Station, Stoneville, Miss.

Early Varieties - Maturity Group VI

Davis	Alabama Foundation Seed Stock Farm, Thorsby, Ala.
Hood	Alabama Foundation Seed Stock Farm, Thorsby, Ala.
Lee 68	Alabama Foundation Seed Stock Farm, Thorsby, Ala.
McNair 600	McNair Seed Co., Laurinburg, N. C.
Pickett 71	USDA Delta Branch Experiment Station, Stoneville, Miss.
Tracy	USDA Delta Branch Experiment Station, Stoneville, Miss.
(D67-4601)	
D64-4636*	USDA Delta Branch Experiment Station, Stoneville, Miss.
FFR 666*	Farmers Forage Research Corporation, W. Lafayette, Ind.
Coker 136	Coker's Pedigreed Seed Co., Hartsville, S. C.
Lee 74	
(R69-1400)	Dr. C. E. Caviness, Univ. of Arkansas, Fayetteville, Ark.

Mid-season Varieties - Maturity Group VII

Bragg	Alabama Foundation Seed Stock Farm, Thorsby, Ala.
McNair 300	McNair Seed Co., Laurinburg, N. C.
Ransom	Alabama Foundation Seed Stock Farm, Thorsby, Ala.
FFR 777*	Farmers Forage Research Corporation, W. Lafayette, Ind.

Late Varieties - Maturity Group VIII

Hampton 266A	Coker's Pedigreed Seed Co., Hartsville, S. C.
Hutton	
(F63-4000)	Alabama Foundation Seed Stock Farm, Thorsby, Ala.
Coker 333*	Coker's Pedigreed Seed Co., Hartsville, S. C.
Coker 71-211	Coker's Pedigreed Seed Co., Hartsville, S. C.
Cobb	
(F66-1166*)	USDA Delta Branch Experiment Station, Stoneville, Miss.

\*Lines not released

## ACKNOWLEDGMENT

The author wishes to express appreciation to J. K. Boseck, Emmett Carden, F. T. Glaze, S. E. Gissendanner (Retired), Robert Moore, Aubrey Smith, and Harold Yates for growing and harvesting of variety tests.



## VARIETY DATA

The entries included in these tests were varieties released prior to 1973 and a number of unreleased strains in the late stages of development from the USDA Regional Testing Program. These strains were all yielding above standard varieties in their maturity group and all have good nematode resistance.

The following is a suggested list of varieties by planting dates for northern, central and southern Alabama. Varieties are listed in order of maturity.

Northern Alabama

Plantings May 1 to 31

Dare, Essex, Forrest, Hood, Lee 68, McNair 600, Tracy, Davis

Plantings June 1 to 30

Dare, Forrest, Hood, Lee 68, Tracy, Davis, McNair 800, Bragg, Ransom

Central Alabama

Plantings April 20 to May 15

Dare, Hood, McNair 600, Lee 68, Davis, Tracy

Plantings May 16 to June 5

Lee 68, McNair 600, Tracy, Davis, McNair 800, Bragg, Ransom, Hampton 266A, Hutton

Plantings June 6 to 30

Davis, Bragg, Ransom, Hampton 266A, Hutton

Southern Alabama

Plantings May 15 to May 31

Hood, Lee 68, McNair 600, Tracy, Davis, Bragg, Ransom, McNair 800

Plantings June 1 to 30

Davis, Bragg, Ransom, McNair 800, Hampton 266A, Hutton

Soybean varieties grown in Alabama are in Maturity Groups V, VI, VII, and VIII. The following is a list of the varieties and strains, with source of seed, tested over the past 5 years by maturity groups. For more information on these varieties, see Table 2, for information of other varieties see Bulletin 413.<sup>1/</sup>

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<sup>1/</sup> Soybean Production---Recent Research Findings, Auburn University Agricultural Experiment Station, Bulletin 413.

Table 2. Physical descriptions and disease resistance of soybean varieties tested

Group	variety	Plant characteristics				Reaction to individual diseases <sup>1/</sup>					Nematode resistance		Registration <sup>2/</sup>	
		Pubes- cence	Flower color	Pod color	Hila color	Bacteria pustule	Wild- fire	Tar- get spot	Phyto- phthora rot	Purple seed stain	Cyst	root- knot	No.	Year
V	York	Gray	Purple	Lt. Tan	Buff	R	R	R	S	MR	S	S	70	1968
	Dare	Gray	White	Tan	Buff	R	R	R	MR	R	S	MR	50	1966
	Forrest	Tawny	White	Tan	Black	R	R	R	MR	MR	R	R	96	1973
	Essex	Gray	Purple		Buff	R	R	R	MR	R	S	S	97	1973
VI	Hood	Gray	Purple	Lt. Tan	Buff	R	R	R	S	MR	S	S	30	1960
	Davis	Gray	White	Lt. Tan	Buff	R	R	R	R	MR	S	S	56	1966
	Lee 68	Tawny	Purple	Tan	Black	R	R	R	VR	R	S	S	72	1968
	Pickett 71	Gray	Purple	Tan	Black	R	R	MR	R	R	R	S	87	1971
	McNair 600	Tawny	Purple	Lt. Tan	Black	R	R	R	S	R	S	R	-	-
	D64-4636	Gray	White	Tan	Buff	R	R	R	S	MR	S	R	-	-
	Tracy	Tawny	-	Tan	Black	R	R	R	R	-	S	S	-	-
VII	Bragg	Tawny	White	Tan	Black	R	R	R	R	S	S	R	43	1964
	McNair 800	Gray	White	Tan	Buff	R	R	R	S	S	S	S	-	-
	Ransom	Tawny	Purple	Tan	Black	R	R	R	MS	R	S	S	95	1972
VIII	Hampton 266A	Gray	Purple	Lt. Tan	Buff	R	R	MR	VS	S	S	S	47	1964
	Hutton	Brown	Purple	Tan	Black	R	R	R	S	S	S	R	100	1973
	Cobb	Gray	White	Tan	Buff	R	R	R	S	S	S	R	-	-

<sup>1/</sup> These are relative order of resistance: VR-very resistant; R-resistant; MR-moderately resistant; S-susceptible; VS-very susceptible.

<sup>2/</sup> Registration of varieties are in Agronomy Journal from 1958-1963 and Crop Science 1964-1973.

Table 3. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when Planted May 16, 1973 at Black Belt Substation

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Essex-----	44.2 a	7/12	9/19	24	2.5	1.4	1.5
D64-4636-----	42.8 ab	7/12	9/18	29	2.0	1.5	1.0
Davis-----	43.2 ab	7/16	9/26	38	4.0	2.3	1.3
Coker 136-----	42.4 ab	7/12	9/19	35	5.3	1.4	1.0
Lee 68-----	41.2 abc	7/12	9/27	33	3.0	1.9	1.0
McNair 600-----	39.9 abc	7/12	9/29	31	3.0	1.1	1.0
Forrest-----	38.4 abcd	7/12	9/16	28	3.3	1.5	1.0
R69-1400 (Lee 74)-----	36.2 abcd	7/12	9/29	33	4.5	2.3	1.0
Dare-----	34.2 bcd	7/12	9/18	29	3.8	1.8	1.3
Bragg-----	32.2 cde	7/12	9/27	39	4.8	1.8	1.0
McNair 800-----	29.8 de	7/24	9/28	36	5.0	3.0	1.0
Coker 338-----	29.7 de	7/13	10/15	41	6.8	1.8	1.0
Ransom-----	29.3 de	7/12	10/03	32	5.5	2.1	1.0
Hampton 266A-----	24.8 e	7/23	10/28	45	9.8	1.9	1.0
C.V. %	15.8						

<sup>1/</sup>Adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P = .05).

Table 4. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when Planted June 5, 1973 at Black Belt Substation

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Coker 136	35.6 a	7/23	9/23	40	7.0	1.6	None
Essex	35.2 a	7/17	9/21	29	5.0	1.3	None
D64-4636	35.1 a	7/23	9/23	32	4.0	2.6	None
Lee 68	29.9 ab	7/26	9/28	34	5.8	3.3	None
Ransom	29.7 ab	7/28	10/05	36	6.8	2.5	None
Davis	29.5 ab	7/30	10/01	37	4.8	2.9	None
McNair 600	29.5 ab	7/24	9/29	35	4.3	2.5	None
Forest	28.2 b	7/23	9/22	32	5.3	2.6	None
Dare	26.9 bc	7/23	9/24	33	5.0	2.8	None
McNair 800	23.9 bcd	8/07	10/01	36	6.3	2.8	None
Hampton 266A	21.9 cd	8/03	11/10	43	10.0	2.0	None
Bragg	20.5 d	7/30	10/05	39	7.5	3.0	None
Hutton	20.3 d	8/01	10/17	36	6.3	3.5	None
F66-1166 (Cobb)	13.0 e	8/09	10/24	45	9.8	2.4	None
C.V. %	14.0						

<sup>1/</sup>Adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P = .05)

Table 5. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when planted June 23, 1973 at Black Belt Substation

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Davis-----	23.4 a	8/13	10/18	20	2.3	1.1	1.0
Bragg-----	22.9 a	8/13	10/20	23	2.5	1.6	1.0
D64-4636-----	21.7 a	8/10	10/07	19	2.0	1.8	1.0
Hutton-----	21.3 a	8/16	10/23	24	4.5	1.9	1.0
Lee 68-----	20.7 a	8/12	10/10	21	2.5	1.8	1.0
Hampton 266A-----	20.6 a	8/19	10/30	22	2.3	1.4	1.0
Ransom-----	19.5 a	8/13	10/23	21	2.0	1.0	1.3
Forrest-----	19.3 a	8/09	10/04	20	2.5	1.6	1.0
McNair 800-----	18.2 a	8/16	10/14	17	1.8	1.1	1.0
McNair 600-----	18.0 a	8/11	10/09	19	1.0	1.5	1.0
Coker 136-----	17.2 a	8/11	10/07	21	2.3	1.0	1.0
Essex-----	16.5 a	8/10	10/06	17	1.3	1.3	1.5
F66-1166 (Cobb)-----	14.1 a	8/21	11/12	28	5.3	1.0	1.0
Dare-----	11.7 a	8/12	10/06	15	1.5	1.0	1.0
C.V. %	25.0						

<sup>1/</sup>Yields adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P = .05).

Table 6. Two-Year Averages for Yield, Dates of Maturity, Plant and First Pod Height and Lodging of Soybean Varieties Planted at Three Dates on Black Belt Substation During 1972 and 1973.

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Average planting date May 15					
Davis-----	42.6	9/28	40	3.6	2.2
Forrest-----	42.2	9/19	31	3.2	1.8
McNair 600-----	42.1	10/04	34	3.0	1.6
D64-4636-----	41.6	9/22	32	2.6	1.7
Lee 68-----	41.0	10/04	34	3.3	2.5
Bragg-----	37.1	10/07	41	5.4	2.4
Ransom-----	36.0	10/08	37	6.0	2.0
McNair 800-----	35.8	10/08	39	5.3	3.0
Dare-----	35.5	9/17	32	3.6	2.4
Hampton 266A----	26.9	10/22	44	8.4	3.0
Average planting date June 5					
D64-4636-----	37.7	9/27	33	3.6	2.4
Ransom-----	36.3	10/13	39	6.1	2.6
Lee 68-----	33.9	10/05	36	5.7	2.7
Davis-----	33.7	10/03	39	4.7	2.5
McNair 600-----	33.7	10/05	37	4.4	2.6
Forrest-----	33.2	9/23	37	5.4	2.3
Hampton 266A----	31.7	11/01	45	8.5	2.2
McNair 800-----	30.0	10/07	34	5.1	2.8
Dare-----	29.8	9/23	36	4.5	2.5
Bragg-----	29.4	10/10	41	6.5	3.1
Hutton-----	29.1	10/24	38	5.4	3.3
Average planting date June 27					
Davis-----	28.8	10/17	24	2.7	1.9
Bragg-----	27.4	10/21	28	3.8	2.5
Hampton 266A----	26.8	11/04	28	3.9	2.2
McNair 800-----	26.3	10/16	21	2.7	1.9
Ransom-----	25.8	10/22	25	3.5	1.5
D64-4636-----	25.6	10/08	22	3.3	2.2
Hutton-----	24.9	10/23	26	4.3	2.4
Lee 68-----	24.3	10/13	24	3.0	2.4
McNair 600-----	23.5	10/13	24	2.2	2.1
Forrest-----	21.9	10/07	23	3.5	2.0
Dare-----	17.5	10/06	22	3.0	1.3

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 7. Three-Year Averages for Yield, Date of Maturity, Plant and First Pod Height and Lodging of Soybean Varieties Planted at Three Planting Dates of Black Belt Substation 1971-73

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Average planting date May 15					
McNair 600-----	40.7	10/04	35	3.7	1.6
Davis-----	39.6	10/01	40	3.6	2.3
Lee 68-----	38.6	10/05	33	3.9	2.6
Ransom-----	37.7	10/12	36	6.2	1.9
Dare-----	36.4	9/21	33	4.5	2.1
Bragg-----	35.4	10/10	41	5.8	2.4
McNair 800-----	34.4	10/09	39	5.7	2.7
Hampton 266A---	23.9	10/28	43	8.8	2.8
Average planting date June 5					
Ransom-----	36.9	10/16	36	5.9	2.2
Davis-----	34.4	10/06	38	4.3	2.5
McNair 600-----	34.2	10/06	36	4.9	2.4
Lee 68-----	33.0	10/07	33	5.3	2.7
Dare-----	31.2	9/25	33	4.7	2.4
Bragg-----	31.1	10/13	39	6.2	2.9
McNair 800-----	30.2	10/09	32	5.2	2.4
Hutton-----	30.2	10/22	35	5.7	3.1
Hampton 266A---	27.8	11/03	42	7.8	2.1
Average planting date June 27					
Davis-----	27.6	10/17	23	3.0	1.8
Bragg-----	26.6	10/21	27	3.8	2.1
Ransom-----	26.6	10/22	24	3.5	1.4
McNair 800-----	24.1	10/17	20	2.4	1.6
Hampton 266A---	23.9	11/06	27	3.8	2.1
Hutton-----	23.9	10/23	25	4.2	2.0
Lee 68-----	23.2	10/14	23	3.2	2.4
McNair 600-----	22.9	10/13	24	2.6	1.8
Dare-----	19.4	10/09	23	3.4	1.5

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 8. Four- and Five-Year Averages for Yield of Soybean Varieties Grown at the Black Belt Substation<sup>1/</sup>

Variety	Soybean yield by planting date					
	May 15		June 5		June 27	
	4-yr.	5-yr.	4-yr.	5-yr.	4-yr.	5-yr.
	70-73	69-73	70-73	69-73	70-73	69-73
	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A	Bu/A
Lee 68-----	37.2	35.4	30.2	29.6	20.5	19.9
Davis-----	36.8	34.7	31.9	30.1	24.6	24.9
Dare-----	35.2	33.6	30.1	29.7	18.6	19.1
Bragg-----	32.0	31.3	28.3	28.6	23.8	24.3
McNair 800-----	31.7	31.2	27.5	27.3	22.2	22.0
Hampton 266A-----	22.4	23.7	25.4	25.3	21.5	20.4
McNair 600-----	37.8		31.5		21.1	
Hutton-----			26.9		21.7	

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.



Table 9. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when Planted May 31, 1973 at Brewton Experiment Field

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Coker 338	41.0	7/25	11/02	28	5.5	None	1.0
Hutton	40.9	7/27	11/05	34	6.8	None	1.0
Ransom	38.6	7/23	10/27	25	4.5	None	1.0
Coker 71-211	37.5	7/30	10/27	34	7.0	None	1.0
Bragg	36.3	7/20	10/23	33	6.0	None	1.0
D67-4601 (Travy)	35.7	7/19	10/28	27	4.3	None	1.0
R69-1400 (Lee 74)	35.7	7/19	10/18	26	3.5	None	1.0
Hampton 266A	34.8	7/30	10/29	34	7.5	None	1.0
McNair 800	34.4	8/04	10/12	29	5.5	None	1.0
McNair 600	33.5	7/23	10/18	26	4.5	None	1.0
Pickett 71	30.7	7/20	10/23	24	4.0	None	1.0
Lee 68	28.1	7/19	10/23	22	3.3	None	1.0
Davis	27.4	7/26	10/19	29	5.0	None	2.0
Forrest	26.2	7/20	10/05	21	3.0	None	1.3
D64-4636	26.0	7/19	10/10	24	5.0	None	1.0
FFR777	25.8	7/23	10/15	29	6.8	None	1.0
FFR666	25.4	7/20	10/23	23	3.5	None	1.0
Coker 136	24.9	7/23	10/03	27	6.7	None	1.7
Hood	24.7	7/20	10/05	22	4.7	None	2.0
Essex	23.9	7/19	10/07	20	4.3	None	2.0
Dare		7/20	10/03				
F66-1166 (Cobb)		7/30	11/05	38	6.0	None	1.0

<sup>1/</sup>Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 10. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when Planted June 26, 1973 at Brewton Experiment Field

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Coker 71-211-----	37.3	8/14	10/30	36	7.8	None	1.0
Coker 338-----	36.7	8/12	10/31	34	7.0	None	1.0
F66-1166 (Cobb)-----	36.7	8/20	11/05	38	7.5	None	1.0
Hutton-----	34.9	8/15	10/29	31	6.3	None	1.0
McNair 600-----	31.8	8/06	10/19	31	5.8	None	1.0
Hampton 266A-----	31.6	8/14	10/27	34	9.0	None	1.0
Bragg-----	28.7	8/12	10/21	30	5.8	None	1.0
Lee 68-----	28.6	8/08	10/15	25	5.7	None	1.0
R69-1400 (Lee 74)-----	28.2	8/10	10/27	25	4.5	None	1.0
Pickett 71-----	27.7	8/09	10/20	26	4.5	None	1.0
Coker 136-----	25.6	8/09	10/07	27	7.5	None	1.5
McNair 800-----	25.6	8/14	10/23	24	4.8	None	1.0
D67-4601 (Tracy)-----	25.1	8/06	10/30	29	5.0	None	2.0
Davis-----	25.0	8/14	10/19	32	7.0	None	1.8
D64-4536-----	24.5	8/06	10/09	27	6.0	None	1.0
FFR666-----	24.4	8/07	10/21	24	4.3	None	1.0
Forrest-----	24.4	8/06	10/07	27	5.3	None	1.0
Hood-----	23.6	8/08	10/09	26	5.5	None	2.0
FFR777-----	22.3	8/10	10/15	28	7.3	None	1.3
Ransom-----	22.2	8/10	11/05	24	4.3	None	1.0
Dare-----	19.2	8/10	10/05	25	4.8	None	2.3
Essex-----	18.5	8/04	10/11	20	3.0	None	2.0

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 11. Two-Year Averages for Yield, Date of Maturity, Plant and First Pod Height and Lodging of Soybean Varieties Planted at Two Dates on Brewton Field 1972-73

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Average planting date June 1					
Ransom-----	24.5	10/15	25	4.8	none
Hutton-----	24.4	10/23	33	7.1	none
McNair 600-----	23.9	10/08	25	3.6	none
Bragg-----	23.9	10/14	32	6.0	none
McNair 800-----	22.8	10/09	26	5.5	none
Forrest-----	22.3	9/27	21	3.1	none
D64-4636-----	22.2	9/30	23	4.4	none
Hampton 266A---	22.2	10/19	34	7.9	none
Davis-----	22.1	10/07	28	4.5	none
Lee 68-----	20.0	10/10	21	3.1	none
Average planting date June 28					
Hampton 266A---	22.6	10/27	27	6.9	none
F66-1166-----	21.8	11/02	30	6.1	none
McNair 600-----	21.7	10/12	23	3.8	none
Hutton-----	21.3	10/27	27	5.4	none
Bragg-----	19.2	10/21	25	4.8	none
Lee 68-----	18.8	10/12	20	3.7	none
Davis-----	18.7	10/12	25	4.9	none
Forrest-----	18.6	10/04	22	3.8	none
D64-4636-----	17.9	10/06	22	4.4	none
McNair 800-----	17.8	10/18	18	3.3	none
Ransom-----	16.2	10/24	21	3.9	none
Dare-----	16.1	10/01	21	4.0	none

<sup>1/</sup> Yields adjusted to 13% moisture and 60 pounds per bushel.

Table 12. Three-Year Averages for Yield, Date of Maturity, Plant Pod Height and Lodging of Soybean Varieties Planted at Two Dates on Brewton Experiment Field 1971-73

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Average planting date May 26					
Ransom-----	32.1	10/14	27	5.0	1.1
Hutton-----	31.9	10/19	35	6.4	1.3
McNair 600-----	29.5	10/07	28	3.7	1.0
McNair 800-----	29.5	10/07	29	5.4	1.3
Davis-----	29.0	10/04	30	4.6	1.1
Hampton 266A----	28.3	10/20	37	8.2	1.3
Bragg-----	26.4	10/12	35	6.3	1.1
Lee 68-----	25.4	10/08	25	3.7	1.3
Average planting date June 23					
McNair 600-----	24.1	10/09	24	3.4	1.3
Hampton 266A----	22.4	10/26	28	5.7	1.5
Hutton-----	21.8	10/22	26	5.0	1.5
Davis-----	21.7	10/09	25	4.3	1.3
Lee 68-----	21.1	10/10	20	3.5	1.3
McNair 800-----	20.4	10/13	20	3.1	1.1
Ransom-----	20.1	10/19	22	3.7	1.0
Bragg-----	19.8	10/16	27	4.2	1.5
Dare-----	19.2	9/30	22	4.1	1.3

<sup>1/</sup> Yields adjusted to 13% moisture and 60 pounds per bushel.

Table 13. Four- and Five-Year Averages for Yield of Soybean Varieties Grown on the Brewton Experiment Field<sup>1/</sup>

Variety	Soybean yield by planting date			
	May 29		June 26	
	4-yr. 70-73 Bu/A	5-yr. 69-73 Bu/A	4-yr. 70-73 Bu/A	5-yr. 69-73 Bu/A
Davis-----	33.4	35.2	25.2	25.9
Hampton 266A-----	30.2	32.9	27.7	29.0
Bragg-----	29.3	31.3	23.5	24.5
Lee 68-----	27.7	28.4	21.9	22.6
McNair 600-----	-----	-----	27.5	-----
Hutton-----	-----	-----	24.9	-----
McNair 800-----	-----	-----	24.8	25.0
Dare-----	-----	-----	20.5	21.2

<sup>1/</sup> Yields adjusted to 13% moisture and 60 pounds per bushel.

Table 14. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when Planted June 11, 1973 at Gulf Coast Substation

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Hutton-----	49.1 a	7/29	10/30	43	9	2	None
FFR666-----	46.5 ab	7/24	10/19	29	4	1	None
Davis-----	46.4 ab	7/26	10/09	41	4	1	None
Hampton 266A-----	45.1 abc	8/05	10/26	46	7	2	None
Coker 71-211-----	44.6 abc	8/01	10/26	44	8	2	None
Coker 338-----	44.3 abc	8/01	10/30	45	7	1	None
Hood-----	43.7 abc	7/25	10/09	31	5	1	None
McNair 800-----	43.4 abc	7/25	10/19	35	4	2	None
R69-1400 (Lee 74)-----	43.0 abc	8/01	10/19	33	5	1	None
Bragg-----	42.4 abcd	7/26	10/22	37	6	1	None
Ransom-----	42.1 abcd	7/26	10/29	34	6	1	None
Essex-----	41.9 abcd	7/22	10/09	24	3	1	None
Coker 136-----	41.7 abcd	7/27	10/09	33	5	1	None
Lee 68-----	41.5 abcd	7/23	10/09	29	5	1	None
FFR777-----	39.7 bcd	7/29	10/19	41	5	1	None
McNair 600-----	38.9 bcd	7/23	10/19	36	4	1	None
Dare-----	38.1 cd	7/23	10/05	24	3	1	None
Forrest-----	35.0 d	7/31	10/05	31	4	1	None

C.V. % 10.9

<sup>1/</sup>Yield adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P = .05).

Table 15. Two- and Three-Year Averages for Yield, Date of Maturity, Plant and First Pod Height and Lodging of Soybean Varieties Planted at Gulf Coast Substation 1971-73

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Two-year averages 1972-73 planted June 7					
FFR 666-----	43.4	10/07	27	4.3	1.0
Davis-----	42.9	10/02	38	4.8	1.1
Hood-----	41.5	10/02	32	4.8	1.1
Dare-----	40.5	9/28	26	3.6	1.0
Lee 68-----	40.0	10/02	27	4.8	1.0
McNair 600-----	39.6	10/07	35	4.5	1.3
McNair 800-----	38.3	10/10	35	4.8	1.5
Hutton-----	38.3	10/20	39	7.5	1.8
Ransom-----	37.0	10/15	36	6.3	1.0
Bragg-----	36.9	10/11	35	5.6	1.5
Hampton 266A---	35.9	10/16	41	6.3	2.0
Three-year averages 1971-73 planted June 8					
Davis-----	44.5	10/06	38	5.8	1.1
McNair 600-----	42.6	10/10	34	5.0	1.3
Ransom-----	42.5	10/18	32	5.5	1.0
Hood-----	42.4	10/03	31	3.6	1.1
McNair 800-----	42.3	10/12	35	5.4	1.3
Lee 68-----	42.2	10/06	28	5.2	1.0
Hutton-----	42.2	10/20	37	6.9	1.6
Dare-----	41.8	9/28	27	3.9	1.0
Bragg-----	41.3	10/14	36	5.9	1.3
Hampton 266A---	39.4	10/17	43	7.3	1.7

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 16. Four- and Five-Year Averages for Yield of  
Soybeans Grown at Gulf Coast Substation  
1969-73<sup>1/</sup>

Variety	Soybean yield for average planting date of June 6	
	4-yr. av.	5-yr. av.
	70-73	69-73
	Bu/A	Bu/A
Bragg-----	42.2	41.8
Davis-----	43.4	41.6
Lee-----	42.8	41.6
McNair 800-----	40.9	40.3
Hood-----	39.8	39.5
Dare-----	39.1	38.2
Hampton 266A-----	38.9	37.8
McNair 600-----	43.0	----
Hutton-----	41.2	----

<sup>1/</sup> Yields adjusted to 13% moisture and 60 pounds per bushel.



Table 17. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when Planted May 25, 1973, at Upper Coastal Plain Substation

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st Pod In.	Lodging rating	Shattering rating
Forrest-----	44.1 a	7/16	9/23	33	5.8	1.3	None
McNair 600-----	43.8 ab	7/23	9/28	34	5.0	1.3	None
D64-4636-----	43.7 ab	7/16	9/24	33	5.3	1.0	None
D67-4601 (Tracy)-----	42.4 abc	7/23	9/26	34	4.3	1.0	None
Coker 136-----	42.1 abcd	7/23	9/24	36	7.0	1.0	None
Lee 68-----	41.1 abcde	7/23	9/30	32	5.3	1.5	None
Hood-----	41.1 abcde	7/23	9/24	31	4.3	1.0	None
Davis-----	41.0 abcde	7/23	9/28	39	3.8	1.3	None
R69-1400 (Lee 74)-----	41.0 abcde	7/23	10/05	32	6.3	2.5	None
Pickett 71-----	40.9 abcde	7/23	10/05	28	3.5	2.0	None
FFR666-----	40.1 abcde	7/24	9/27	28	4.5	1.3	None
Ransom-----	38.2 abcdef	7/24	10/02	37	6.8	1.0	None
York-----	37.5 bcdef	7/16	9/19	28	3.3	1.0	None
McNair 800-----	36.3 cdefg	7/30	10/05	39	7.5	1.5	None
Coker 338-----	35.9 defg	7/24	10/09	39	4.8	1.5	None
FFR777-----	35.0 efg	7/24	10/05	36	8.0	1.3	None
Essex-----	34.9 efg	7/16	9/19	28	4.5	1.0	None
Dare-----	33.4 fg	7/16	9/24	29	5.0	1.0	None
Bragg-----	33.2 fg	7/24	10/05	43	9.8	1.0	None
Coker 71-211-----	32.9 fg	7/24	10/10	40	6.8	1.8	None
Hutton-----	32.1 fg	7/24	10/08	40	9.8	1.5	None
Hampton-----	30.6 g	7/24	10/09	36	6.8	1.8	None
C.V. %	10.1						

<sup>1/</sup>Yield adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P = .05)

Table 18. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when Planted June 20, 1973 at Upper Coastal Plain Substation

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st Pod In.	Lodging rating	Shattering rating
Essex-----	36.3 a	8/03	10/05	27	5.0	1.3	1.0
Pickett 71-----	35.3 a	8/18	10/09	35	4.3	2.0	1.0
McNair 600-----	35.0 a	8/10	10/08	35	3.5	1.3	1.0
R69-1400 (Tracy)-----	34.7 a	8/06	10/12	34	7.0	1.3	1.0
Coker 338-----	34.1 a	8/18	10/21	39	4.8	1.5	1.0
Ransom-----	33.3 a	8/10	10/15	33	6.8	1.0	1.0
Forrest-----	33.2 a	8/03	10/05	32	5.0	1.0	1.0
York-----	33.1 a	8/03	10/05	27	4.3	1.0	1.0
D64-4636-----	32.8 a	8/06	10/05	30	5.5	1.0	1.0
D67-4601 (Lee-74)-----	32.1 a	8/10	10/09	33	6.5	1.8	1.5
FFR666-----	31.9 a	8/10	10/08	33	6.3	1.8	1.0
Coker 136-----	31.4 a	8/10	10/05	35	7.5	1.0	1.0
Dare-----	29.7 a	8/10	10/05	32	5.0	1.0	1.0
Hood-----	29.5 a	8/18	10/09	33	7.3	1.0	1.0
Davis-----	29.0 a	8/18	10/09	34	4.8	1.3	1.0
McNair 800-----	28.6 a	8/18	10/10	29	6.0	1.3	1.0
FFR777-----	28.3 a	8/18	10/06	40	5.0	1.8	1.0
Hampton 266A-----	27.7 a	8/18	10/22	40	6.8	1.3	1.0
Bragg-----	27.2 a	8/03	10/15	35	6.3	1.0	1.0
Hutton-----	27.2 a	8/10	10/17	35	8.3	1.0	1.0
Lee 68-----	26.7 a	8/18	10/05	35	5.8	1.8	1.0
Coker 71-211-----	26.6 a	8/10	10/21	40	4.8	1.3	1.0
C.V. %	19.6						

<sup>1/</sup>Yields adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P = .05).

Table 19. Two-Year Averages for Yield, Date of Maturity, Plant and First Pod Height and Lodging Varieties Planted at Two Planting Dates at Upper Coastal Plain Substation, 1972-73

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Average planting date May 15					
Forrest-----	35.4	9/25	38	5.4	1.4
D64-4636-----	33.9	9/26	36	4.2	1.1
Hood-----	32.7	9/26	36	4.2	1.5
McNair 600-----	30.4	9/28	39	5.0	1.1
FFR666-----	29.6	9/27	34	4.8	1.1
Pickett 71-----	29.4	10/07	33	4.0	1.8
Lee 68-----	29.2	10/01	36	5.5	1.8
Dare-----	28.7	9/26	35	4.5	1.3
Davis-----	28.5	9/28	40	3.7	1.1
McNair 800-----	27.3	10/12	40	6.5	1.8
Ransom-----	26.9	10/02	40	5.9	1.1
Bragg-----	24.5	10/12	46	8.4	1.0
Hampton 266A---	24.5	10/23	42	6.6	1.6
Hutton-----	24.4	10/13	42	7.6	1.8
Average planting date June 21					
Forrest-----	34.3	10/07	33	5.3	1.3
McNair 600-----	30.5	10/08	35	4.8	1.1
Pickett 71-----	29.6	10/13	36	4.6	2.5
Ransom-----	29.3	10/16	34	7.6	1.0
FFR666-----	28.8	10/08	33	5.6	2.1
D64-4636-----	28.4	10/04	31	5.0	1.0
Hutton-----	27.8	10/21	35	7.7	1.5
Davis-----	26.9	10/06	36	6.1	1.1
Hood-----	25.9	10/09	32	5.5	1.3
Lee 68-----	25.6	10/12	34	5.7	2.1
Dare-----	25.2	10/04	31	4.6	1.5
Hampton 266A---	25.1	10/30	41	5.6	2.0
McNair 800-----	24.8	10/14	30	6.0	1.1
Bragg-----	24.4	10/17	38	6.7	1.3

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 20. Three-Year Averages for Yield, Date of Maturity, Plant and First Pod Heights and Lodging of Soybean Varieties Planted at Two Dates at Upper Coastal Plain Substation, 1971-73

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Average planting date May 17					
McNair 600-----	30.4	10/05	37	4.6	1.1
Hood-----	30.0	10/02	33	4.3	1.3
Lee 68-----	28.4	10/06	33	5.1	1.5
Pickett 71-----	27.8	10/11	31	4.0	1.5
Davis-----	27.7	10/05	38	4.0	1.1
Ransom-----	27.6	10/08	38	5.8	1.1
Dare-----	27.4	9/27	32	4.0	1.3
Hutton-----	26.6	10/15	41	7.6	1.5
McNair 800-----	26.1	10/14	37	6.1	1.5
Bragg-----	25.3	10/14	45	8.2	1.0
Hampton 266A----	25.0	10/24	41	6.4	1.4
Average planting date June 24					
Ransom-----	33.7	10/22	34	6.6	1.0
McNair 600-----	33.5	10/15	33	4.4	1.1
Hutton-----	33.3	10/24	34	6.3	1.3
Davis-----	32.9	10/12	35	5.3	1.1
Pickett 71-----	32.6	10/18	34	4.0	2.0
Hampton 266A----	32.0	11/00	41	5.4	1.8
Hood-----	31.1	10/12	31	4.8	1.3
Lee 68-----	30.0	10/14	32	5.2	1.9
Dare-----	29.8	10/09	31	4.2	1.5
Bragg-----	29.3	10/20	34	5.8	1.3
McNair 800-----	28.7	10/19	29	5.1	1.1

<sup>1/</sup> Yields adjusted to 13% moisture and 60 pounds per bushel.

Table 21. Four- and Five-Year Averages for Yield of Soybean Varieties Grown at the Upper Coastal Plain Substation<sup>1/</sup>

Variety	Soybean yield by planting date			
	May 15		June 21	
	4-yr.	5-yr.	4-yr.	5-yr.
	70-73	69-73	70-73	69-73
	Bu/A	Bu/A	Bu/A	Bu/A
Davis-----	27.1	29.4	32.6	35.3
Hampton 266A-----	24.2	25.9	31.2	34.3
Hood-----	27.8	23.7	31.7	33.0
Lee 68-----	26.3	27.5	29.6	32.2
McNair 800-----	25.7	28.2	29.0	31.5
Bragg-----	25.8	27.1	28.7	31.4
Dare-----	31.3	32.5	30.2	31.1
McNair 600-----	28.0		32.2	
Pickett 71-----	27.5		32.0	
Hutton-----	25.9		31.1	

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 22. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when Planted May 18, 1973 at Prattville Experiment Field

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Essex-----	26.2 a	7/08	9/14	19	1.8	1.0	3.5
Davis-----	23.9 ab	7/19	9/24	37	3.5	1.4	2.0
Forrest-----	23.0 bc	7/08	9/14	25	2.0	1.0	2.0
Coker 136-----	22.8 bc	7/10	9/16	32	5.3	1.3	1.0
D67-4601 (Tracy) -----	20.9 bcd	7/13	9/28	35	3.5	1.6	1.0
Hood-----	21.0 bcd	7/12	9/16	28	2.5	1.1	3.0
Dare-----	20.4 cde	7/08	9/19	25	2.5	1.0	2.8
Ransom-----	19.5 def	7/16	10/03	34	3.5	1.1	1.3
FFR666-----	19.2 def	7/16	10/03	23	1.0	1.0	1.0
Lee 68-----	19.0 def	7/12	10/05	28	2.3	1.0	1.0
R69-1400 (Lee 74) -----	18.8 defg	7/16	10/05	29	1.8	1.1	1.0
FFR777-----	18.2 defgh	7/21	9/25	37	5.5	1.0	1.0
Pickett 71-----	17.9 defgh	7/16	10/05	26	2.0	1.1	1.3
Hutton-----	17.3 efgh	7/20	10/12	39	5.8	1.5	1.0
McNair 800-----	16.7 fgh	7/28	10/03	36	5.5	1.6	1.3
Bragg-----	16.6 fgh	7/20	10/08	37	7.5	1.5	1.0
McNair 600-----	16.3 fgh	7/12	9/28	31	3.0	1.0	1.0
Hampton 266A-----	15.6 ghi	7/28	10/13	42	6.0	1.4	1.0
Coker 338-----	15.6 ghi	7/20	10/15	42	4.5	1.3	1.0
Coker 71-211-----	15.3 hi	7/31	10/15	43	5.5	1.5	1.0
F66-1166 (Cobb) -----	12.5 i	7/31	10/12	47	7.0	1.5	2.5
C.V. %	10.6						

<sup>1/</sup>Yield adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P = .05).

Table 23. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when Planted June 12, 1973 at Prattville Experiment Field.

Variety	Yield <sup>1/</sup> Bu/A	1st Bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Forrest-----	21.0 a	7/29	9/21	29	4.0	1.0	1.8
Essex-----	20.9 a	7/26	9/21	21	3.8	1.0	3.5
Dare-----	20.8 a	7/29	9/26	27	3.3	1.0	2.0
D67-4601 (Tracy) -----	19.4 ab	7/31	10/05	35	3.8	1.0	1.8
FFR666-----	19.4 ab	7/30	10/06	28	3.8	1.0	1.0
McNair 600-----	18.7 abc	8/03	10/05	33	3.0	1.0	1.0
Coker 136-----	18.7 abc	7/31	9/21	31	6.5	1.0	1.0
D67-4601-----	18.0 abc	7/31	10/07	35	3.8	1.0	1.5
R69-1400 (Lee 74) -----	17.9 abc	8/04	10/11	31	5.0	1.1	1.0
Hood-----	17.8 abc	7/31	9/26	27	3.0	1.0	2.3
Davis-----	17.7 abc	8/04	9/30	33	5.0	1.0	1.0
Ransom-----	16.6 bc	8/04	10/12	31	3.8	1.0	2.0
Bragg-----	16.5 bc	8/04	10/15	37	5.5	1.0	1.0
Pickett 71-----	16.2 bc	8/04	10/10	30	5.0	1.1	1.8
FFR777-----	16.2 bc	8/04	9/30	34	6.0	1.0	1.0
Coker 338-----	16.1 bc	8/05	10/26	41	8.5	1.0	1.0
Lee 68-----	15.9 bc	8/04	10/10	28	3.8	1.0	1.3
Hampton 266A-----	15.3 cd	8/09	10/26	42	7.0	1.0	1.0
Hutton-----	15.3 cd	8/07	10/16	36	6.5	1.1	1.0
McNair 800-----	12.3 de	8/09	10/11	31	5.0	1.0	2.5
Coker 71-211-----	12.2 de	8/09	10/26	43	8.0	1.0	1.0
F66-1166 (Cobb) -----	11.3 e	8/10	10/21	40	7.0	1.0	2.8
C.V. %	12.5						

<sup>1/</sup>Yield adjusted to 13% moisture and 60 pounds per bushel. Means with the same letter are not different (P = .05).

Table 24. Two-Year Averages for Yield, Date of Maturity, Plant and First Pod Height and Lodging of Soybean Varieties Planted at Two Dates at Prattville Experiment Field 1972-73

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Average planting date May 13					
Forrest-----	29.5	9/16	27	2.3	1.0
Hood-----	26.9	9/19	29	3.0	1.1
Dare-----	26.3	9/18	26	2.5	1.0
Davis-----	26.0	9/24	37	4.3	1.2
D67-4601-----	23.0	10/02	33	3.5	1.3
FFR666-----	20.8	9/28	25	2.3	1.0
Lee 68-----	19.8	9/30	28	2.7	1.0
McNair 600-----	19.6	9/28	31	3.5	1.0
Pickett 71-----	19.5	10/02	27	2.8	1.1
Ransom-----	17.1	10/01	32	4.1	1.1
McNair 800-----	16.9	10/06	36	5.6	1.3
Hutton-----	16.4	10/14	37	5.2	1.3
Hampton 266A---	15.5	10/13	40	6.0	1.7
Bragg-----	13.9	10/07	37	6.5	1.3
Average planting date June 20					
Forrest-----	21.2	10/03	29	3.1	2.2
D67-4601-----	21.1	9/28	34	3.5	1.3
Bragg-----	20.0	10/03	35	3.6	2.2
McNair 600-----	19.7	9/28	33	2.3	1.8
Hutton-----	19.6	10/24	35	4.3	2.1
Hampton 266A---	18.8	10/29	38	4.5	2.6
Ransom-----	18.7	10/06	31	3.4	1.2
FFR666-----	18.6	10/00	28	3.0	1.8
Davis-----	18.0	10/11	33	4.3	1.6
Hood-----	17.2	10/03	29	3.3	1.5
Pickett 71-----	17.1	10/03	28	3.8	2.8
Dare-----	17.0	9/29	29	3.9	2.0
McNair 800-----	16.8	10/01	31	4.3	1.1
Lee 68-----	18.0	10/13	28	3.5	1.7

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.



Table 25. Three-Year Averages for Yield, Date of Maturity, Plant and First Pod Height and Lodging of Soybean Varieties Planted at Two Dates at Prattville Experiment Field, 1971-73

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Three-year average planting date May 11					
Davis-----	32.2	10/01	36	4.0	1.1
Dare -----	31.3	9/22	27	2.6	1.0
Hood -----	30.3	9/26	29	3.0	1.1
Lee 68 -----	29.0	10/06	29	2.9	1.0
McNair 600 -----	29.0	10/04	32	3.3	1.0
Ransom -----	28.1	10/08	32	4.2	1.0
Hutton -----	28.0	10/17	38	5.0	1.2
McNair 800 -----	25.7	10/10	36	4.8	1.5
Bragg-----	25.4	10/11	38	6.2	1.2
Hampton 266A ---	25.1	10/19	41	5.3	1.5
Three-year average planting date June 16					
Ransom -----	27.6	10/22	30	3.3	1.1
Hutton -----	27.6	10/25	34	4.1	1.9
Bragg-----	27.0	10/20	34	3.2	2.5
McNair 600-----	26.9	10/14	32	2.2	2.1
Hampton 266A-----	26.0	10/29	37	3.9	2.7
Davis-----	25.2	10/13	32	3.5	1.9
Lee 68-----	25.3	10/14	28	2.9	2.5
McNair 800-----	24.0	10/17	29	3.7	1.5
Hood-----	23.3	10/07	28	2.9	1.9
Dare-----	22.7	10/03	28	3.3	1.9

<sup>1/</sup> Yields adjusted to 13% moisture and 60 pounds per bushel.

Table 26. Four- and Five-Year Averages for Yield of Soybean Varieties Grown at Prattville Experiment Field, 1969-73

Variety	Soybean yield <sup>1/</sup> by planting date		
	May 12		June 17
	4-yr. 70-73 Bu/A	5-yr. 69-73 Bu/A	4-yr. 70-73 Bu/A
Davis-----	34.9	35.8	28.8
Dare-----	34.3	34.8	26.4
Hood-----	32.5	33.3	26.3
Lee 68-----	31.1	31.8	27.4
Bragg-----	28.2	29.2	29.0
Hampton 266A-----	20.7	28.1	26.7
McNair 800-----	27.8	28.0	25.1
Pickett 71-----	31.9		26.0
McNair 600-----	31.2		29.1
Hutton-----	30.7		29.2

<sup>1/</sup> Yields adjusted to 13% moisture and 60 pounds per bushel.

Table 27. Yields, Date of Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when planted May 13, 1973 at Sand Mountain Substation

Variety	Yield <sup>1/</sup> Bu/A	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Davis-----	35.1 a	10/04	29	1.3	1.6	None
Coker 136-----	35.0 ab	9/24	26	3.3	1.0	None
D67-4601 (Tracy) -----	33.8 abc	10/06	26	1.8	2.0	None
Bragg-----	33.4 abc	10/15	33	2.5	1.0	None
McNair 600-----	32.7 abc	10/02	26	1.8	1.1	None
Essex-----	32.2 abc	9/18	17	1.3	1.0	None
Forrest-----	31.3 abcd	9/23	23	2.0	1.0	None
D64-4636-----	30.9 abcd	9/24	20	2.0	1.0	None
R69-1400 (Lee 74)-----	30.9 abcd	10/11	28	3.5	1.0	None
Pickett 71-----	29.9 abcd	10/11	25	3.0	1.0	None
Ransom-----	29.8 bcd	10/12	26	2.5	1.0	None
Lee 68-----	29.7 bcd	10/10	26	3.3	1.1	None
Hood-----	28.5 cd	9/24	22	1.5	1.0	None
Dare-----	26.5 d	9/24	24	1.5	1.0	None
York-----	26.5 d	9/18	17	1.0	1.0	None
C.V. %	10.1					

<sup>1/</sup>Yield adjusted to 13% moisture and 60 pounds per bushel. Mean with same letter are not different (P = .05)

Table 28. Yield, Date of Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties Planted May 25, 1973 at Sand Mountain Substation

Variety	Yield Bu/A	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Forrest-----	34.8 a	9/26	31	3.0	1.1	None
Coker 136-----	34.5 a	9/27	35	4.0	1.0	None
Essex-----	34.4 a	9/18	21	2.0	1.0	None
D67-4601 (Tracy)---	34.3 a	10/05	30	2.0	2.0	None
Dare-----	34.0 a	9/26	30	3.0	1.0	None
McNair 600-----	33.9 a	10/06	32	2.5	1.6	None
Hutton-----	33.7 a	10/24	30	2.5	2.0	None
Pickett 71-----	31.1 ab	10/14	30	2.5	1.6	None
Bragg-----	30.9 ab	10/15	35	3.5	1.4	None
Ransom-----	30.9 ab	10/12	31	3.5	1.0	None
R69 1400 (Lee 74)---	29.9 ab	10/09	29	3.5	2.3	None
Hood-----	29.7 ab	10/01	28	2.0	1.0	None
Davis-----	29.2 ab	10/10	34	3.3	2.1	None
D64-4636-----	27.1 b	10/01	28	2.8	1.1	None
Lee 68-----	24.9 b	10/10	25	3.0	1.1	None
C.V. % -----	12.1					

1/ Yield adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P=.05)

Table 29. Yield, Date of Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties When Planted June 15, 1973 at Sand Mountain Substation

Variety	Yield Bu/A	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Bragg	38.8 a	10/21	37	8.0	2.3	None
Hutton	38.5 a	10/24	33	7.5	2.0	None
Ransom	36.0 ab	10/22	31	6.3	1.0	None
Davis	35.6 ab	10/23	37	7.5	1.5	None
Essex	35.3 ab	10/02	23	4.5	1.0	None
Forrest	33.0 bc	10/04	33	4.8	2.3	None
Coker 136	32.3 bc	10/08	34	6.5	1.4	None
McNair 600	31.8 bc	10/08	33	3.8	1.4	None
Pickett 71	31.3 bc	10/18	30	5.0	3.5	None
D64-4636	31.2 bc	10/09	28	4.3	1.5	None
Dare	31.1 bc	10/03	31	4.5	1.4	None
R69-1400 (Lee 74)	30.1 c	10/19	32	7.0	4.0	None
Lee 68	27.9 c	10/14	30	5.3	2.0	None
C.V. %	9.4					

1/ Yields adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P=.05)

Table 30. Two-Year Averages for Yield, Date of Maturity, Plant and First Pod Height and Lodging of Soybean Varieties Planted at Three Dates on Sand Mountain Substation 1971 and 1973

Variety	Yield <sup>1/</sup> Bu/A	Maturity date	Plant ht. In.	Ht. 1st pod In.	Lodging rating
Average planting date May 3					
Ransom-----	44.1	10/15	29	4.4	1.6
Davis-----	43.1	10/09	34	4.3	2.1
Bragg-----	43.0	10/16	38	4.9	2.4
McNair 600-----	42.2	10/05	29	2.6	2.0
Pickett 71-----	41.9	10/12	28	4.1	2.0
Lee 68-----	41.1	10/09	27	4.4	2.0
D64-4636-----	39.5	9/28	23	3.0	1.0
Dare-----	37.7	9/23	26	3.0	1.5
Hood-----	36.4	9/26	27	3.3	2.1
York-----	35.7	9/23	21	1.6	1.1
Average planting date May 31					
McNair 600-----	38.9	10/07	33	4.0	2.5
Ransom-----	38.8	10/15	35	6.3	2.1
Bragg-----	38.3	10/16	35	5.8	2.4
Davis-----	36.7	10/14	33	5.3	2.7
Pickett 71-----	36.3	10/13	32	3.9	2.7
Hood-----	35.7	10/04	30	3.8	2.0
Dare-----	35.7	9/27	33	4.0	1.8
Lee 68-----	33.3	10/09	31	4.5	2.5
Average planting date June 22					
Ransom-----	37.6	10/20	31	6.4	1.0
Dare-----	35.5	10/08	31	4.5	2.1
Bragg-----	35.4	10/21	35	7.3	2.3
Davis-----	35.0	10/22	36	6.1	2.0
McNair 600-----	34.1	10/12	33	4.1	1.8
Pickett 71-----	31.7	10/18	30	5.3	3.5
Lee 68-----	30.2	10/13	30	5.4	2.9

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 31. Three-, Four-, and Five-Year Averages for Yield of Soybean varieties grown at Sand Mountain Substation

Variety	Soybean yield <sup>1/</sup> by planting date								
	May 3			May 27			June 17		
	3-yr. 71-73 Bu/A	4-yr. 70-73 Bu/A	5-yr. 69-73 Bu/A	3 yr. 71-73 Bu/A	4-yr. 70-73 Bu/A	5-yr. 69-73 Bu/A	3-yr. 71-73 Bu/A	4-yr. 70-73 Bu/A	5-yr. 69-73 Bu/A
Davis-----	44.8	42.9	42.5	37.1	36.0	36.8	34.9	31.0	33.0
Bragg-----	44.1	41.4	41.7	39.2	37.8	39.0	35.3	30.3	32.4
Dare-----	42.6	41.7	41.0	36.5	35.0	33.1	35.7	31.3	33.3
Lee 68-----	43.1	40.7	40.9	34.2	33.0	34.6	31.4	28.0	30.3
Hood-----	40.7	40.4	40.7	36.4	34.8	35.9	--	--	--
York-----	40.2	39.2	39.2	--	--	--	--	--	--
McNair 600-----	44.5	--	--	39.7	--	--	35.9	--	--
Pickett 71-----	43.8	--	--	36.8	--	--	33.1	--	--

<sup>1/</sup>Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 32. Yield, Date of First Bloom and Maturity Plant and First Pod Height, Lodging, and Shattering of Soybean Varieties when planted May 14, 1973 at Wiregrass Substation

Variety	Yield <sup>1/</sup> Bu/A	First bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Hutton-----	24.3 abc	7/17	11/15	23	5.5	None	2.5
McNair 800-----	27.8 a	7/19	10/15	21	4.3	None	1.5
Bragg-----	27.3 a	7/12	11/15	25	5.3	None	2.0
Coker 71-211-----	25.4 ab	7/19	11/15	24	4.8	None	2.5
F66-1166 (Cobb)-----	24.1 abcd	7/19	10/30	26	5.5	None	3.0
Hampton 266A-----	23.8 abcd	7/19	11/09	22	4.3	None	1.5
Dare-----	23.4 abcd	7/06	9/24	17	2.8	None	1.0
Essex-----	23.4 abcd	7/08	9/24	15	2.8	None	1.0
McNair 600-----	22.7 abcd	7/12	10/14	17	4.0	None	1.0
Lee 68-----	20.7 bcd	7/12	10/15	17	4.0	None	1.0
Ransom-----	20.7 bcd	7/12	11/03	19	4.0	None	1.8
D64-4636-----	20.0 bcd	7/06	9/24	17	2.8	None	1.0
R69-1400 (Lee 74)-----	19.5 bcd	7/11	10/23	19	3.0	None	1.5
Davis-----	19.1 bcd	7/09	10/03	20	4.3	None	1.0
Forrest-----	18.5 cd	7/06	9/24	16	2.8	None	1.0
Coker 338-----	17.9 d	7/16	11/15	21	4.5	None	1.8
C.V. %	16.6						

<sup>1/</sup>Yield adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different ( $p = .05$ ).



Table 33. Yield, Date of First Bloom and Maturity, Plant and First Pod Height, Lodging and Shattering of Soybean Varieties when planted May 10, 1973 at Tennessee Valley Substation

Variety	Yield <sup>1/</sup> Bu/A	First bloom (dates)	Maturity (dates)	Plant ht. In.	Ht. 1st pod In.	Lodging rating	Shattering rating
Forrest-----	59.3 a	7/12	9/25	32	3.5	2.0	None
Essex-----	57.8 a	7/09	9/26	35	4.0	1.9	None
York-----	56.1 a	7/09	9/27	32	3.5	1.6	None
Coker 136-----	55.4 a	7/16	9/29	38	5.0	1.3	None
Dare-----	54.6 a	7/16	9/25	34	4.0	2.1	None
Lee 68-----	48.9 b	7/14	10/07	36	5.5	3.8	None
Hood-----	47.3 bc	7/17	10/01	33	5.0	3.0	None
R69-1400 (Lee 74)-----	47.3 bc	7/16	10/08	36	7.0	3.8	None
McNair 600-----	46.9 bc	7/16	10/07	35	3.5	3.6	None
FFR 666-----	46.7 bc	7/16	10/06	35	6.0	3.1	None
Davis-----	46.1 bc	7/22	10/11	39	6.0	4.5	None
Hutton-----	45.7 bc	7/22	10/19	41	6.5	4.3	None
Bragg-----	45.1 bc	7/20	10/13	42	7.5	4.1	None
Ransom-----	44.8 bc	7/19	10/12	38	6.0	3.1	None
McNair 800-----	42.4 c	7/21	10/11	40	6.5	4.0	None
FFR777-----	36.6 d	7/19	10/06	41	7.0	4.4	None
C.V. %	7.1						

<sup>1/</sup>Yield adjusted to 13% moisture and 60 pounds per bushel. Means with same letter are not different (P = .05)

Table 34. Two- and Three-Year Yield and Two Year Averages for Date of Maturity, Plant Height and Lodging of Soybean Varieties Planted May 6 at Tennessee Valley Substation. 1971 to 1973

Variety	Yield <sup>1/</sup>		Maturity date	Plant ht. In.	Lodging Rating
	2-yr. 72-73 Bu/A	3-yr. 71-73 Bu/A			
FFR666-----	49.1		10/12	36	3.9
Davis-----	47.4		10/14	41	4.1
Ransom-----	45.4	45.8	10/15	41	2.7
Bragg-----	44.1	44.6	10/15	45	3.7
McNair 800----	40.4	43.8	10/14	40	3.8

<sup>1/</sup> Yield adjusted to 13% moisture and 60 pounds per bushel.

Table 35. Soybean Seed Quality and Size When Grown at Black Belt Substation 1973

Variety	Planting dates								
	May 16, 1973			June 7, 1973			June 28, 1973		
	Seed* quality rating	Purple** stain rating	Seed size g/100 seed	Seed quality rating	Purple stain rating	Seed size g/100 seed	Seed quality rating	Purple stain rating	Seed size g/100 seed
Dare-----	1	1	12.18	2	1	12.20	2	1	13.12
Forrest-----	4	2	12.34	2	1	11.74	2	1	11.82
Essex-----	4	2	15.22	2	1	13.06	3	2	13.24
D64-4636-----	2	1	11.94	2	1	13.02	2	1	12.38
Coker 136-----	4	2	13.82	3	1	13.58	2	1	13.02
Davis-----	2	1	13.14	2	2	12.12	2	1	14.26
Lee 68-----	2	1	12.30	2	1	12.02	2	1	12.30
R69-1400 (Lee 74)	3	1	12.30	***	***	***	***	***	***
McNair 600-----	3	1	12.60	2	1	11.60	2	1	12.08
Ransom-----	2	2	13.76	2	1	13.30	3	1	14.40
Bragg-----	3	1	13.22	2	1	11.34	2	1	13.82
McNair 800-----	3	1	10.18	4	1	9.20	3	1	11.26
Hampton 266A----	4	2	13.54	4	2	14.26	3	1	14.22
Coker 338-----	3	2	11.90	***	***	***	***	***	***
Hutton-----	***	***	***	2	1	13.98	2	1	14.74
F66-1166 (Cobb)	***	***	***	2	1	10.06	2	1	12.18

\*Seed quality is rated from 1 to 5 according to the following scale:

1 = very good; 2 = good; 3 = fair; 4 = poor; 5 = very poor

\*\*Purple stain ratings are given to see samples on a scale of 1 to 5 as follows:

1. No purple staining
2. 1-3% purple staining
3. 4-8 purple staining
4. 9-15% purple staining
5. over 20% purple staining

\*\*\*Soybean varieties not in test.

Table 36. Soybean Seed Quality and Size by Variety Where Grown at Brewton Experiment Field, 1973

Variety	Planting dates					
	Seed* quality rating	May 31 Purple ** stain rating	1973 Seed size g/100 seed	Seed quality rating	June 26, 1973 Purple stain rating	Seed size g/100 seed
Dare-----	***	***	***	2	2	12.28
Forrest-----	4	5	13.30	2	1	11.42
Essex-----	2	2	14.08	3	3	18.36
D64-4636-----	2	2	14.70	1	1	11.94
Coker 136-----	4	5	15.40	2	3	13.76
Hood-----	2	3	15.44	2	2	14.64
Davis-----	2	1	14.14	2	2	13.80
Lee 68-----	1	1	15.00	1	1	13.94
Pickett 71-----	1	2	14.54	1	1	12.92
McNair 600-----	1	1	15.22	1	2	14.32
D67-4601 (Tracy)-----	2	2	17.36	2	1	16.76
R69-1400 (Lee 74)-----	1	1	15.08	1	1	14.60
FFR-666-----	1	2	15.40	1	1	13.0
Ransom-----	1	1	16.20	2	2	17.10
Bragg-----	2	1	15.92	1	1	17.10
McNair 800-----	2	2	13.16	2	1	11.82
Coker 338-----	1	1	18.08	2	1	16.74
Coker 71-211-----	2	2	17.48	2	2	16.58
FFR-777-----	1	1	13.14	2	1	12.94
Hampton 266A-----	1	1	18.68	1	1	16.64
Hutton-----	1	1	18.78	1	1	16.86
F66-1166 (Cobb)-----	***	***	***	1	1	13.90

\*Seed quality is rated from 1 to 5 according to the following scale:

1 = very good; 2 = good; 3 = fair; 4 = poor; 5 = very poor

\*\*Purple stain ratings are given to seed samples on a scale of 1 to 5 as follows:

1. No purple staining; 2. 1-3% purple staining; 3. 4-8% purple staining; 4. 9-15% purple staining  
5. over 20% purple staining

\*\*\*No date.

Table 37. Effect of Planting Date on Seed Stain, Quality, and Size of Soybeans Grown on Prattville Experiment Field, 1973

Variety	Seed* quality rating	Planting dates				
		May 17, 1973 Purple** stain rating	Seed size g/100 seed	Seed quality rating	June 11, 1973 Purple stain rating	Seed size g/100 seed
Dare-----	2	1	10.02	2	1	9.96
Forrest-----	3	1	10.66	2	2	10.26
Essex-----	2	2	10.88	1	1	10.42
Coker 136-----	2	1	10.46	1	1	10.38
Hood-----	2	1	10.93	2	1	11.36
Davis-----	3	1	11.80	1	1	10.44
McNair 600-----	3	1	10.88	2	2	9.22
Pickett 71-----	2	1	9.68	2	2	9.90
Lee 68-----	2	1	10.34	2	2	10.32
R69-1400 (Lee 74)---	1	1	10.22	2	1	10.62
D67-4601 (Tracy)---	3	1	12.90	3	2	12.68
FFR 666-----	2	1	10.62	1	1	9.36
Ransom-----	2	1	10.94	2	1	10.92
Bragg-----	2	2	10.24	3	2	11.26
McNair 800-----	1	1	9.38	2	1	10.22
FFR 777-----	1	1	11.00	2	2	10.92
Coker 71-211-----	3	2	10.32	2	3	12.10
Coker 338-----	3	2	11.46	2	2	13.30
Hampton 266A-----	3	3	12.44	2	3	14.66
Hutton-----	2	1	11.36	2	1	13.84
F66-1166 (Cobb) ---	2	2	10.94	***	***	***

\*Seed quality is rated from 1 to 5 according to the following scale:

1 = very good; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

\*\*Purple stain ratings are given to seed samples on a scale of 1 to 5 as follows:

1. No purple staining; 2. 1-3% purple staining; 3. 4-3% purple staining; 4. 9-15% purple staining  
5. over 20% purple staining.

\*\*\*No Data

Table 38. Soybean Seed Quality and Size by Variety When grown at Sand Mountain Substation, 1973

Variety	Planting dates								
	May 3, 1973			May 25, 1973			June 15, 1973		
	Seed* quality rating	Purple** stain rating	Seed size g/100 seed	Seed quality rating	Purple stain rating	Seed size g/100 seed	Seed quality rating	Purple stain rating	Seed size g/100 seed
Dare-----	1	1	11.22	1	1	12.40	1	1	13.00
Forrest-----	1	1	10.96	2	2	11.76	2	2	12.68
Essex-----	1	1	11.76	1	1	11.58	1	1	12.42
York-----	1	1	14.96	***	***	***	***	***	***
D64-4636-----	1	1	10.60	2	1	12.58	2	1	12.46
Coker 136-----	1	1	12.44	2	1	12.92	1	2	12.66
Hood-----	1	1	12.72	1	1	13.26	***	***	***
Davis-----	1	1	15.80	2	2	15.32	2	1	16.80
McNair 600-----	2	2	12.92	2	2	12.62	1	1	13.64
Pickett 71-----	1	2	12.62	1	1	12.94	1	1	13.80
Lee 68-----	1	2	13.52	1	2	12.96	2	1	14.28
R69-1400 (Lee 74)1	1	1	13.50	2	1	13.42	1	1	14.26
D67-4601 (Tracy) 1	1	1	17.14	2	1	16.56	***	***	***
Ransom-----	1	1	15.12	2	1	14.72	3	1	17.96
Bragg-----	1	1	14.18	2	2	13.46	1	1	16.08
Hutton-----	***	***	***	1	1	17.26	1	1	16.74

\*Seed quality is rated from 1 to 5 according to the following scale:

1 = very good; 2 = good; 3 = fair; 4 = poor; 5 = very poor

\*\*Purple stain ratings are given to seed samples on a scale of 1 to 5 as follows

1. No purple staining
2. 1-3% purple staining
3. 4-8% purple staining
4. 9-15% purple staining
5. over 20% purple staining

\*\*\*Variety not in test.

Table 3.9. Soybean Seed Quality and Size by Variety Where Grown at Upper Coastal Plain Substation, 1973

Variety	Planting Dates					
	May 11, 1973			June 20, 1973		
	Seed* quality rating	Purple** stain rating	Seed size g/100 seed	Seed quality rating	Purple stain rating	Seed size g/100 seed
Dare-----	1	1	13.34	2	2	12.58
Forrest-----	2	1	13.36	2	2	11.12
Essex-----	1	1	11.72	1	1	11.00
York-----	1	2	16.00	1	2	17.42
D64-4636-----	2	1	15.54	2	1	12.98
Coker 136-----	1	2	15.62	1	2	13.16
Hood-----	2	1	17.18	1	1	14.60
Davis-----	1	1	15.62	2	1	12.84
McNair 600-----	1	1	12.30	1	1	11.20
Pickett 71-----	1	1	11.72	1	1	11.80
Lee 68-----	1	1	12.04	1	1	11.14
R69-1400 (Lee 74) --	1	1	12.60	1	1	11.68
D67-4601 (Tracy) --	2	1	16.08	2	1	15.52
FFR-666-----	1	1	12.86	1	1	12.18
Ransom-----	1	1	12.56	2	1	13.38
Bragg-----	1	1	11.68	1	1	12.10
McNair 800-----	1	1	10.46	1	1	9.92
FFR-777-----	1	1	13.02	1	1	12.16
Coker 71-211-----	2	2	11.78	1	1	13.68
Coker 338-----	1	1	12.50	2	1	15.64
Hampton 266A-----	1	1	12.36	1	1	15.22
Hutton-----	1	1	13.60	1	1	13.32

\*Seed quality is rated from 1 to 5 according to the following scale:

1 = very good; 2 = good; 3 = fair; 4 = poor; 5 = very poor

\*\*Purple stain ratings are given to seed samples on a scale of 1 to 5 as follows:

1. No purple staining; 2. 1-3% purple staining; 3. 4-8% purple staining; 4. 9-15% purple staining  
5. over 20% purple staining

Table 40. Soybean Seed Quality and Size by Variety When Grown at Wiregrass Substation, and Planted May 14, 1973.

Variety	Seed* quality rating	Purple** stain rating	Seed size g/100 seed
Dare	2	2	12.20
Forrest	3	2	12.54
Essex	3	4	12.20
D64-4636	2	3	13.80
Davis	2	1	14.06
Lee 68	1	2	15.04
R69-1400 (Lee 74)	2	2	15.16
McNair 600	2	4	14.06
Ransom	3	2	16.62
Bragg	3	2	16.60
McNair 300	3	2	14.36
Coker 338	4	3	15.06
Coker 71-211	3	3	16.32
Hampton 266A	2	2	17.22
Hutton	1	2	17.38
F66-1166 (Cobb)	2	1	14.94

\*Seed quality is rated from 1 to 5 according to the following scale:  
1 = very good; 2 = good; 3 = fair; 4 = poor; 5 = very poor.

\*\*Purple stain ratings are given to seed samples on a scale of 1 to 5 as follows:

1. No purple staining
2. 1-3% purple staining
3. 4-8% purple staining
4. 9-15% purple staining
5. over 20% purple staining





