

*Performance  
of Soybean  
Varieties in  
Alabama,  
2005*

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Richard Guthrie, Director  
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# PERFORMANCE OF SOYBEAN VARIETIES IN ALABAMA, 2005

K. M. Glass, D.P. Delaney, and Edzard van Santen

Agricultural Program Associate, Extension Soybean Specialist, and Professor

## INTRODUCTION

Soybean variety tests are conducted annually by the Alabama Agricultural Experiment Station. The 7 locations used represent the major soil and climatic regions of Alabama. These locations are divided into logical soybean growing regions. The regions and locations are:

<u>Region</u>	<u>Location</u>
Northern	Belle Mina, Crossville
Central	Prattville, Shorter
Southern	Brewton
Black Belt	Marion Junction (2 soils)
Gulf Coast	Fairhope

## EXPERIMENTAL PROCEDURES

The standard tests were conducted as a randomized complete block design with four replications. Standard plot size was four 30- to 38-inch rows by 20 feet long. Fifteen feet of the middle two rows were harvested for yield. Seeding rate was 10 viable seeds per foot of row. The Group IV test was drilled with seven 7-inch rows. Seeding rate was five viable seeds per foot of row. The Early Planted test at Brewton was arranged in an incomplete lattice square design with four replications.

Data were collected on seed yield, moisture, lodging, shattering, plant height, and maturity date. Plot yields were adjusted to 13 percent moisture and converted to bushels (60 pounds) per acre. Lodging was scored on a scale of 1 to 5 as follows:

- 1 - almost all plants erect.
- 2 - either all plants leaning slightly (less than 45%) or a few plants down.
- 3 - either all plants leaning moderately (approximately 45%) or 25 to 50 percent of the plants down.
- 4 - either all plants leaning more than 45% or 50 to 80 percent of the plants down.
- 5 - more than 80 percent of the plants down.

Shattering was rated on a scale of 1 to 5 based on performance of the border rows 14 days after maturity. A rating of 1 indicates no shattering, a rating of 3 indicates a 4 to 8 percent shattering, and a rating of 5 is 20 percent or more shattering. Plant height was determined by measuring from the ground to the top of the plant at maturity. Maturity date was the day 95 percent of the pods achieved mature pod color. Harvest was approximately 7 to 10 days later.

## **SEASONAL CONDITIONS**

Rainfall for 2005 is shown in Table 19. The normal planting dates for the standard tests are the first week in May, May 15-25, and May 25 to June 5 for northern, central, and southern Alabama locations, respectively. Trials in South Alabama were affected by hurricanes Dennis, Katrina, and Rita along with tropical storms Arlene and Cindy.

## **COMPARING VARIETIES**

To aid in determining real yield differences, a statistical analysis of variance was performed on the data from each location. The L.S.D. (least significant difference) and C.V. (coefficient of variation) are reported for each location's 2003 test, and for the location's or region's 2- and 3-year averages. The difference in yield of two varieties must exceed the L.S.D. value for one variety to be considered superior to others in yield in that particular test. The C.V. is a measure of the variability in an experiment. An increase in its value indicates an increase in the unexplained variability.

Since the performance of varieties varies with location and year, long-term averages from several locations are more reliable than 1-year performance. Three-year regional averages are considered a reliable evaluation of the relative performance of varieties. However varietal rankings may change among years and among locations. This change in rankings is measured by the significance of variety x location, variety x year, variety x location\*year interaction. These interactions were significant in all cases. Thus, care should be exercised when extrapolating results from one location or year to another.

## **ACKNOWLEDGMENTS**

Appreciation is expressed to the following station superintendents and their staffs. It is their quality work which makes this report a reliable source of information for farmers in their regions. Chet Norris and David Harkins, Tennessee Valley Research and Extension Center; Tony Dawkins, Sand Mountain Research and Extension Center; Don Moore, Prattville Agricultural Research Unit; Bobby Durbin, E.V. Smith Research Center, Field Crops Research Unit; Jimmy Holliman, Black Belt Research and Extension Center; Randy Akridge, Brewton Agricultural Research Unit; Ronnie McDaniel and Malcomb Pegues, Gulf Coast Research and Extension Center.

TABLE 1. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES AT BELLE MINA, ALABAMA, 2005

Brand-Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
Deltapine DP 4331 RR	49	1.3	2.3	37	8-30
Deltapine DPX 1908RR	48	1.8	2.0	38	8-30
Delta King 4967RR	47	1.5	2.3	39	8-29
Pioneer 93M90	45	1.3	1.5	42	8-30
Delta King DK 4461	45	1.0	1.8	41	8-29
Pioneer 94M50	45	1.0	1.3	40	9-4
USG 7482nRR	45	1.3	1.8	38	8-28
SS RT 4451N	44	1.5	1.8	42	8-31
Asgrow AG 4703	44	1.0	1.8	36	8-29
Asgrow AG 4903	44	1.3	1.5	39	8-30
Delta King DK 4661	43	1.8	2.5	38	8-29
SS RT 4981N	43	1.0	1.3	38	9-5
Dyna-Gro 3443	43	1.5	2.5	40	8-30
Deltapine DP 4546 RR	42	1.5	1.5	40	8-29
Croplan Genetics RC 4095	42	1.8	2.5	40	8-30
SS RT 446N	42	1.3	2.3	38	8-28
Garst 4612 RR/N	42	1.5	2.5	37	8-29
SS RT 4502N	42	1.3	1.5	37	9-1
USG 7499nRR	42	1.8	1.5	38	8-31
Croplan Genetics RC 4455	41	1.5	2.3	37	8-30
Dyna-Gro SX 05149	41	1.5	1.5	38	8-30
SS RT 5130N	41	1.5	2.0	41	8-31
Deltapine DP 4933 RR	40	1.3	2.3	39	8-28
Deltapine DP 4724 RR	40	1.5	2.5	42	8-30
Asgrow AG 4503	40	1.0	2.8	41	8-30
SS RT 4651N	40	1.5	2.3	38	8-30
Asgrow AG 4404	40	1.5	2.0	39	9-2
Croplan Genetics RC 4444	40	1.5	1.3	43	8-30
Delta King DK 4866	39	1.5	1.5	38	8-30
Pioneer 94M90	38	1.5	1.0	43	8-30
Croplan Genetics RC 4955	37	1.5	2.0	41	8-30
Dekalb DKB 42-51	37	1.5	2.8	41	9-1
Pioneer 94M80	37	1.3	1.5	44	9-2
USG 7484nRR	37	1.5	1.8	39	8-29
USG 7494nRR	36	1.3	1.5	39	8-31
SS RT 4808N	34	1.3	2.5	38	8-29
Dyna-Gro 35Z49	33	1.5	2.0	43	9-2
Delta King 4763RR	32	1.3	1.8	41	9-5
<b>Trial mean</b>	41	1.4	1.9	39.3	
<b>LSD(0.10)</b>	8	0	1	4	
<b>CV (%)</b>	20	39	54	10	

TABLE 2. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN BELLE MINA, ALABAMA, THREE-YEAR SUMMARY, 2003 - 2005

Brand-Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2005	2-yr avg	3-yr avg				
----- bu/acre -----			- inch -				
Maturity Group III							
Pioneer 93M90	44	.	.	1.3	1.5	42	8-30
Maturity Group IV							
USG 7482nRR	45	57	55	1.5	1.3	35	9-1
Dyna-Gro 3443	43	45	47	1.2	1.5	35	9-2
Garst 4612 RR/N	42	47	46	1.4	1.8	32	9-1
SS RT 4502N	42	39	37	1.1	1.4	36	9-3
Asgrow AG 4903	44	52	.	1.4	1.3	36	9-4
USG 7484nRR	37	51	.	1.9	1.4	36	9-1
USG 7499nRR	42	51	.	1.8	1.3	38	9-3
USG 7494nRR	36	50	.	1.6	1.3	36	9-2
Deltapine DP 4546 RR	42	47	.	1.8	1.3	37	9-1
Deltapine DP 4724 RR	40	46	.	1.8	1.8	36	8-31
Pioneer 94M90	38	43	.	1.3	1.1	37	9-1
Deltapine DP 4933 RR	40	43	.	1.3	1.6	39	9-4
SS RT 446N	42	41	.	1.4	1.6	35	8-30
Deltapine DP 4331 RR	49	.	.	1.3	2.3	37	8-30
Deltapine DPX 1908RR	48	.	.	1.8	2.0	38	8-30
Delta King 4967RR	47	.	.	1.5	2.3	39	8-29
Delta King DK 4461	45	.	.	1.0	1.8	41	8-29
Pioneer 94M50	45	.	.	1.0	1.3	40	9-4
Asgrow AG 4703	45	.	.	1.0	1.8	36	8-29
SS RT 4451N	44	.	.	1.5	1.8	42	8-31
Delta King DK 4661	43	.	.	1.8	2.5	38	8-29
SS RT 4981N	43	.	.	1.0	1.3	38	9-5
Croplan Genetics RC 4095	42	.	.	1.8	2.5	40	8-30
Dyna-Gro SX 05149	41	.	.	1.5	1.5	38	8-30
Croplan Genetics RC 4455	41	.	.	1.5	2.3	37	8-30
Asgrow AG 4503	40	.	.	1.0	2.8	41	8-30
Asgrow AG 4404	40	.	.	1.5	2.0	39	9-2
Croplan Genetics RC 4444	40	.	.	1.5	1.3	43	8-30
Delta King DK 4866	39	.	.	1.5	1.5	38	8-30
SS RT 4651N	39	.	.	1.5	2.3	38	8-30
Croplan Genetics RC 4955	37	.	.	1.5	2.0	41	8-30
Dekalb DKB 42-51	37	.	.	1.5	2.8	41	9-1
Pioneer 94M80	37	.	.	1.3	1.5	44	9-2
SS RT 4808N	34	.	.	1.3	2.5	38	8-29
Dyna-Gro 35Z49	33	.	.	1.5	2.0	43	9-2
Delta King 4763RR	32	.	.	1.3	1.8	41	9-5
Maturity Group V							
SS RT 5130N	41	50	.	1.8	1.5	34	9-8
<b>Trial mean</b>	41	47	46	.	.	.	.
<b>LSD(0.10)</b>	7	4	3	.	.	.	.
<b>CV (%)</b>	19	15	12	.	.	.	.

TABLE 3. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2005

Brand-Variety	Belle Mina	Cross- ville	Regional Average				Maturity date
			Yield	Lodging score	Shattering score	Plant height	
		----- bu/acre -----					
----- inches -----							
Maturity Group III							
Pioneer 93M90	35	63	49	1.0	1.8	37	9-7
Maturity Group IV							
Delta King 4763RR	40	63	52	1.7	1.0	37	9-11
Delta King DK 4461	43	59	51	1.2	1.0	40	9-12
Pioneer 94M50	40	61	50	1.0	1.0	33	9-10
Pioneer 94M90	34	62	48	1.3	1.3	40	9-14
SS RT 4981N	34	58	46	1.5	1.2	45	9-19
Pioneer 94M80	37	54	46	2.0	1.2	38	9-12
UA 4805	44	47	46	1.5	1.0	33	9-18
Delta King DK 4866	34	53	43	1.0	1.0	38	9-16
SS RT 4808N	29	56	42	1.0	1.0	41	9-14
Delta King DK 4661	31	47	39	2.0	1.0	41	9-11
Maturity Group V							
SS RT 5450N	43	62	52	1.0	1.0	33	9-22
Delta King 5466	44	57	51	1.5	1.0	35	9-22
Delta King 55T6	41	58	50	1.7	1.0	38	9-27
Deltapine DP 5915RR	42	57	50	1.3	1.0	37	9-27
Asgrow AG 5501	43	57	50	1.2	1.0	37	9-22
Delta King 5066	40	59	50	2.0	1.0	40	9-22
Croplan Genetics RC 5955	44	55	49	1.8	1.0	37	10-1
Dyna-Gro 36N57	40	58	49	2.2	1.0	31	9-24
Delta King 5567	42	56	49	1.0	1.0	36	9-26
Anand	41	57	49	1.2	1.0	32	9-22
Croplan Genetics RC 5003	43	55	49	1.7	1.0	36	9-23
Pioneer 95M50	42	54	48	1.2	1.0	37	9-23
Croplan Genetics RC 5972	40	56	48	1.7	1.0	39	9-27
AGS 568RR	41	54	48	1.2	1.0	34	9-28
Delta King 5161RR	46	50	48	2.2	1.0	34	9-22

continued

TABLE 3. CONTINUED

Brand-Variety	Belle Mina	Cross- ville	Regional Average				Maturity date
			Yield	Lodging score	Shattering score	Plant height	
----- bu/acre -----			- inches -				
Maturity Group V continued							
Ozark	44	51	48	1.7	1.0	37	9-22
SS RT 5130N	43	52	48	1.2	1.0	36	9-23
USG 7582nRR	41	53	47	1.2	1.0	40	9-28
SS RT 5540N	36	57	47	1.3	1.0	40	9-23
Croplan Genetics RC 5555	38	55	47	1.5	1.0	41	9-23
USG 7553nRS	39	54	47	1.3	1.0	37	9-26
Deltapine DP 5808RR	39	54	47	2.3	1.0	39	9-25
Asgrow AG 5605	39	53	46	1.2	1.0	37	9-25
Garst 5656RR//STS/N	37	54	45	1.7	1.0	37	9-26
Dyna-Gro SX04259	38	53	45	1.0	1.0	38	9-28
AGS 533RR	42	49	45	1.3	1.3	37	9-20
Asgrow AG 5905	38	49	44	1.3	1.0	41	9-26
TN 05-547RR	40	47	44	1.3	1.0	39	9-26
USG 7562nRR	36	51	44	1.3	1.0	40	9-30
Garst 5412RR/STS/N	37	50	44	1.5	1.0	34	9-25
SS RT 5951N	37	49	43	1.7	1.0	41	10-1
SS RT 5651N	36	50	43	2.0	1.0	40	9-30
Delta King 5366RR	36	50	43	2.7	1.0	37	9-29
TN 05-548RR	40	45	43	1.5	1.0	38	9-30
Deltapine DP 5634RR	33	53	43	1.3	1.0	37	9-26
Dyna-Gro SX05359	36	49	43	1.3	1.0	43	9-28
Pioneer 95M81	40	45	43	1.5	1.0	38	9-27
SS RT 5302N	39	47	43	1.2	1.0	38	9-24
Croplan Genetics RC 5332	34	51	43	1.3	1.0	40	9-25
Deltapine DP 5414RR	37	48	42	1.7	1.0	42	9-24
Hutcheson	41	43	42	1.5	1.0	37	9-22
Teejay	37	43	40	1.5	1.0	37	9-19
<b>Trial mean</b>	39	53	46	1.5	1.0	38	9-23
<b>LSD(0.10)</b>	3.2	4.4	3.8	0.4	0.2	2.2	
<b>CV (%)</b>	8.9	9.1	9.1				



TABLE 4. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2005

Brand-Variety	Belle Mina	Cross- ville	Regional Average				Maturity date
			Yield	Lodging score	Shattering score	Plant height	
----- bu/acre -----			- inches -				
Maturity Group VI							
USG 620NRR	37.4	54.3	45.9	1.3	1.0	33	10-5
SS RT 6202N	42.6	48.5	45.5	1.7	1.0	35	10-3
Croplan Genetics RC 6655	40.0	47.2	43.6	1.0	1.0	37	10-8
SS RT 6451N	34.5	48.1	41.3	2.2	1.0	36	10-6
USG 7635nRR	40.5	41.4	41.0	1.7	1.0	35	10-9
Au AX 416	30.2	29.3	29.7	2.3	1.0	46	10-20
Musen	22.8	34.8	28.8	2.5	1.0	38	10-17
Maturity Group VII							
Stonewall	27.0	40.3	33.7	2.7	1.0	36	10-14
USG 7732nRR	34.2	30.0	32.3	2.8	1.0	35	10-20
Croplan Genetics RC 7402	35.7	27.6	31.6	2.0	1.0	41	10-23
SS RT 7355N	22.6	26.9	24.8	1.8	1.0	37	10-15
SS RT 7499N	26.9	21.1	24.2	1.7	1.0	38	10-15
L- Star	19.5	15.0	17.3	2.7	2.2	35	10-16
Trial mean	31.8	35.7	33.8	2.0	1.1	37	10-13
LSD(0.10)	3.5	5.4	4.6	0.6	0.1	3	
CV (%)	11.9	16.1	14.7				

TABLE 5. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA,  
THREE-YEAR SUMMARY, 2003 - 2005

Brand-Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2005	2-yr avg	3-yr avg				
----- bu/acre -----			- inch -				
Maturity Group IV							
Pioneer 93M90	49	.	.	1.0	1.8	37	9-7
Delta King 4763RR	52	51	54	1.6	1.1	34	9-17
Pioneer 94M90	48	50	.	1.7	1.2	38	9-14
UA 4805	46	47	.	1.8	1.1	31	9-20
Delta King DK 4461	51	.	.	1.2	1.0	40	9-12
Pioneer 94M50	50	.	.	1.0	1.0	33	9-10
SS RT 4981N	46	.	.	1.5	1.2	45	9-19
Pioneer 94M80	46	.	.	2.0	1.2	38	9-12
Delta King DK 4866	43	.	.	1.0	1.0	38	9-16
SS RT 4808N	42	.	.	1.0	1.0	41	9-14
Delta King DK 4661	39	.	.	2.0	1.0	41	9-11
Maturity Group V							
Delta King 5161RR	48	53	53	2.1	1.3	32	9-29
USG 7582nRR	47	49	50	1.7	1.0	37	10-6
Garst 5412RR/STS/N	44	48	50	1.7	1.2	33	9-30
Deltapine DP 5915RR	50	48	50	1.7	1.0	36	10-12
Delta King 5366RR	43	49	50	2.5	1.2	35	10-4
SS RT 5302N	43	49	48	1.4	1.1	38	10-1
Deltapine DP 5414RR	42	46	47	1.8	1.3	38	10-1
Deltapine DP 5634RR	43	46	46	1.8	1.2	38	10-3
Hutcheson	42	44	45	1.7	1.2	33	9-30
SS RT 5450N	52	52	.	1.6	1.2	32	9-25
Anand	49	50	.	1.5	1.1	32	9-27
Croplan Genetics RC 5972	48	50	.	2.0	1.0	38	9-30
Croplan Genetics RC 5003	49	50	.	1.9	1.2	35	9-25
SS RT 5540N	47	49	.	1.7	1.2	38	9-26
USG 7553nRS	47	49	.	1.8	1.0	35	9-28
Ozark	48	49	.	2.1	1.0	34	9-27
USG 7562nRR	44	49	.	2.1	1.2	34	10-2
Croplan Genetics RC 5555	47	46	.	2.0	1.1	38	9-27
Deltapine DP 5808RR	47	46	.	2.8	1.1	35	9-29

*continued*

TABLE 5. CONTINUED

Brand-Variety	Yield			Lodging score	Shattering score	Plant height - inch -	Maturity date
	2005	2-yr avg	3-yr avg				
	----- bu/acre -----						
Maturity Group V continued							
Delta King 55T6	50	.	.	1.7	1.0	38	9-27
Asgrow AG 5501	50	.	.	1.2	1.0	37	9-22
Delta King 5066	50	.	.	2.0	1.0	40	9-22
Croplan Genetics RC 5955	49	.	.	1.8	1.0	37	10-1
Dyna-Gro 36N57	49	.	.	2.2	1.0	31	9-24
Delta King 5567	49	.	.	1.0	1.0	36	9-26
Pioneer 95M50	48	.	.	1.2	1.0	37	9-23
AGS 568RR	48	.	.	1.2	1.0	34	9-28
SS RT 5130N	48	.	.	1.2	1.0	36	9-23
Asgrow AG 5605	46	.	.	1.2	1.0	37	9-25
Garst 5656RR//STS/N	45	.	.	1.7	1.0	37	9-26
Dyna-Gro SX04259	45	.	.	1.0	1.0	38	9-28
AGS 533RR	45	.	.	1.3	1.3	37	9-20
Asgrow AG 5905	44	.	.	1.3	1.0	41	9-26
TN 05-547RR	44	.	.	1.3	1.0	39	9-26
SS RT 5951N	43	.	.	1.7	1.0	41	10-1
SS RT 5651N	43	.	.	2.0	1.0	40	9-30
TN 05-548RR	43	.	.	1.5	1.0	38	9-30
Dyna-Gro SX05359	43	.	.	1.3	1.0	43	9-28
Pioneer 95M81	43	.	.	1.5	1.0	38	9-27
Croplan Genetics RC 5332	43	.	.	1.3	1.0	40	9-25
Teejay	40	.	.	1.5	1.0	37	9-19
Maturity Group VI							
SS RT 6202N	46	44	48	1.7	1.1	37	10-11
USG 620NRR	46	45	47	1.8	1.1	36	10-13
Musen	29	33	35	2.1	1.0	36	10-19
Au AX 416	30	28	.	2.3	1.0	43	10-22
Croplan Genetics RC 6655	44	.	.	1.0	1.0	37	10-8
SS RT 6451N	41	.	.	2.2	1.0	36	10-6
USG 7635nRR	41	.	.	1.7	1.0	35	10-9
Maturity Group VII							
Stonewall	34	37	39	2.4	1.2	36	10-19
USG 7732nRR	31	34	34	2.4	1.2	36	10-22
SS RT 7499N	23	24	26	1.7	1.1	40	10-19
Croplan Genetics RC 7402	32	.	.	2.0	1.0	41	10-23
SS RT 7355N	25	.	.	1.8	1.0	37	10-15
L- Star	17	.	.				
<b>Trial mean</b>	44	45	45				
<b>LSD(0.10)</b>	5.3	3.8	3.7				
<b>CV (%)</b>	13.2	13.0	15.6				

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES AT PRATTVILLE, ALABAMA, 2005

Brand-Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
Delta King DK 4866	39	1.0	1.0	29	11-4
UA 4805	33	1.0	1.0	23	11-3
Delta King 4763RR	29	1.0	1.0	30	11-5
Delta King DK 4661	24	1.0	1.0	34	11-4
Delta King DK 4461	23	1.0	1.0	32	11-4
Maturity Group V					
Hutcheson	44	1.0	1.0	26	11-3
TN 05-548RR	39	1.0	1.0	29	11-5
Anand	39	1.0	1.0	23	11-3
Ozark	38	1.0	1.0	26	11-5
USG 7553nRS	38	1.0	1.0	26	11-4
TN 05-547RR	36	1.0	1.0	27	11-4
Delta King 5567	36	1.0	1.0	25	11-5
Delta King 55T6	35	1.0	1.0	27	11-8
Asgrow AG 5905	34	1.0	1.0	33	11-6
Delta King 5366RR	33	1.0	1.0	28	11-6
Delta King 5161RR	33	1.0	1.0	24	11-5
Delta King 5066	32	1.0	1.0	32	11-6
USG 7582nRR	31	1.0	1.0	27	11-9
Teejay	31	1.0	1.0	26	11-5
USG 7562nRR	30	1.0	1.0	29	11-6
Delta King 5466	24	1.0	1.0	26	11-8
Maturity Group VI					
Dekalb DKB 64-51	41	1.0	1.0	31	11-6
USG 7635nRR	41	1.0	1.0	30	11-2
Musen	35	1.0	1.0	33	11-1
Pioneer 96M60	30	1.0	1.0	32	11-7
USG 620NRR	29	1.0	1.0	30	11-2
Au AX 416	25	1.0	1.0	44	11-7
Asgrow AG 6702	22	1.0	1.0	33	11-5
Maturity Group VII					
USG 7732nRR	39	1.0	1.0	30	11-3
Hartz H 7242RR	38	1.0	1.0	30	11-3
Stonewall	38	1.0	1.0	32	11-1
Asgrow AG 7601	35	1.0	1.0	31	11-4
L- Star	20	1.0	1.0	30	11-1
<b>Trial mean</b>	33	1.0	1.0	29	11-4
<b>LSD(0.10)</b>	6.0	0.0	0.0	2.5	
<b>CV (%)</b>	19.9				

TABLE 7. PERFORMANCE OF SOYBEAN VARIETIES AT PRATTVILLE, ALABAMA,  
THREE-YEAR SUMMARY, 2003-2005

Brand-Variety	Yield			Lodging score	Shattering score	Plant height - inch -	Maturity date
	2005	2-yr avg	3-yr avg				
----- bu/acre -----							
Maturity Group IV							
Delta King 4763RR	29	25	34	1	1	30	10-10
UA 4805	33	28	.	1	1	23	10-23
Delta King DK 4866	39	.	.	1	1	29	11-4
Delta King DK 4661	24	.	.	1	1	34	11-4
Delta King DK 4461	23	.	.	1	1	32	11-4
Maturity Group V							
Hutcheson	44	39	49	1	1	25	10-14
Delta King 5366RR	33	34	44	1	1	28	10-14
Delta King 5161RR	33	33	43	1	1	24	10-14
Ozark	38	35	.	1	1	26	10-24
Anand	39	35	.	1	1	23	10-25
TN 05-548RR	39	.	.	1	1	29	11-5
USG 7553nRS	38	.	.	1	1	26	11-4
TN 05-547RR	36	.	.	1	1	27	11-4
Delta King 5567	36	.	.	1	1	25	11-5
Delta King 55T6	35	.	.	1	1	27	11-8
Asgrow AG 5905	34	.	.	1	1	33	11-6
Delta King 5066	32	.	.	1	1	32	11-6
USG 7582nRR	31	.	.	1	1	27	11-9
Teejay	31	.	.	1	1	26	11-5
USG 7562nRR	30	.	.	1	1	29	11-6
Delta King 5466	24	.	.	1	1	26	11-8
Maturity Group VI							
Musen	35	33	39	1	1	31	10-19
Au AX 416	25	26	.	2	1	43	10-31
Dekalb DKB 64-51	41	.	.	1	1	31	11-6
USG 7635nRR	41	.	.	1	1	30	11-2
Pioneer 96M60	30	.	.	1	1	32	11-7
USG 620NRR	29	.	.	1	1	30	11-2
Asgrow AG 6702	22	.	.	1	1	33	11-5
Maturity Group VII							
Stonewall	38	37	44	1	1	30	10-19
USG 7732nRR	39	35	.	2	1	30	10-29
Asgrow AG 7601	35	34	.	1	1	34	11-2
Hartz H 7242RR	38	.	.	1	1	30	11-3
L- Star	20	.	.	1	1	30	11-1
<b>Trial mean</b>	33	33	42	.	.	.	
<b>LSD(0.10)</b>	5.9	3.6	3.6	.	.	.	
<b>CV (%)</b>	19.7	16.9	15.8	.	.	.	

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, 2005

Brand-Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
UA 4805	59	0.5	0	25	9-16
Delta King DK 4866	56	0.5	0	32	9-15
Delta King DK 4461	52	0.0	0	35	9-13
Delta King 4763RR	50	0.0	0	30	9-15
Delta King DK 4661	41	0.5	0	37	9-14
Maturity Group V					
Delta King 5066	55	1.5	0	33	9-17
Teejay	52	0.5	0	24	9-20
Hutcheson	52	0.8	0	27	9-24
USG 7582nRR	50	0.3	0	29	9-27
Anand	49	0.3	0	23	9-20
Delta King 5161RR	47	0.5	0	26	9-20
USG 7553nRS	47	0.3	0	26	9-22
Delta King 55T6	46	0.3	0	28	9-26
TN 05-548RR	46	0.3	0	30	9-27
TN 05-547RR	44	0.3	0	31	9-26
Delta King 5466	44	0.0	0	27	9-21
Delta King 5567	43	0.3	0	25	9-25
USG 7562nRR	43	0.5	0	33	9-28
Asgrow AG 5905	42	0.8	0	34	9-26
Delta King 5366RR	42	0.8	0	32	9-26
Maturity Group VI					
Pioneer 96M60	45	1.3	0	34	9-27
USG 620NRR	43	1.3	0	34	9-28
USG 7635nRR	40	0.5	0	31	9-26
Dekalb DKB 64-51	40	1.0	0	34	9-30
Asgrow AG 6702	31	1.5	0	33	10-6
Musen	30	1.3	0	34	10-15
Au AX 416	29	2.8	0	44	10-25
Maturity Group VII					
Hartz H 7242RR	33	1.3	0	39	10-23
Stonewall	33	2.0	0	36	10-15
USG 7732nRR	30	2.0	0	37	10-25
Asgrow AG 7601	29	2.0	0	41	10-28
L- Star	27	1.8	1	35	10-8
<b>Trial mean</b>	43	0.8	0	32	9-29
<b>LSD(0.10)</b>	4.4	0.7	0	2	
<b>CV (%)</b>	11.2				

TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA,  
THREE-YEAR SUMMARY, 2003-2005

Brand-Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2005	2-yr avg	3-yr avg				
----- bu/acre -----			-- inch --				
Maturity Group IV							
UA 4805	59	53	.	0	0	25	9-20
Delta King 4763RR	50	44	.	0	0	31	9-14
Delta King DK 4866	56	.	.	1	0	32	9-15
Delta King DK 4461	52	.	.	0	0	35	9-13
Delta King DK 4661	41	.	.	1	0	37	9-14
Maturity Group V							
Hutcheson	52	53	57	1	0	28	9-28
Delta King 5161RR	47	45	52	1	0	30	9-24
Delta King 5366RR	42	47	52	1	0	30	9-29
Anand	49	47	.	0	0	25	9-22
Delta King 5066	55	.	.	2	0	33	9-17
Teejay	52	.	.	1	0	24	9-20
USG 7582nRR	50	.	.	0	0	29	9-27
USG 7553nRS	47	.	.	0	0	26	9-22
Delta King 55T6	46	.	.	0	0	28	9-26
TN 05-548RR	46	.	.	0	0	30	9-27
TN 05-547RR	44	.	.	0	0	31	9-26
Delta King 5466	44	.	.	0	0	27	9-21
Delta King 5567	43	.	.	0	0	25	9-25
USG 7562nRR	43	.	.	1	0	33	9-28
Asgrow AG 5905	42	.	.	1	0	34	9-26
Maturity Group VI							
Musen	30	35	43	2	0	32	10-14
Au AX 416	29	38	.	2	0	45	10-21
Pioneer 96M60	45	.	.	1	0	34	9-27
USG 620NRR	43	.	.	1	0	34	9-28
USG 7635nRR	40	.	.	1	0	31	9-26
Dekalb DKB 64-51	40	.	.	1	0	34	9-30
Asgrow AG 6702	31	.	.	2	0	33	10-6
Maturity Group VII							
Stonewall	33	41	49	2	0	33	10-14
USG 7732nRR	30	39	.	2	0	36	10-21
Asgrow AG 7601	29	37	.	1	0	39	10-24
Hartz H 7242RR	33	.	.	1	0	39	10-23
L- Star	27	.	.	2	1	35	10-8
<b>Trial mean</b>	43	44	50	.	.	.	
<b>LSD(0.10)</b>	4	3	3	.	.	.	
<b>CV (%)</b>	10	11	9	.	.	.	

† the were no maturity group IV entries in common in 2005, 2004, and 2003.

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL,  
MARION JUNCTION, ALABAMA, 2005

Brand-Variety	Yield - bu/acre -	Lodging score	Shattering score	Plant height - inches -	Iron Chlorosis	Maturity date
Maturity Group IV						
UA 4805	16	1.0	1.8	13.5	0.9	9-26
Maturity Group V						
Asgrow AG 5905	25	1.0	1.0	25.8	1.9	10-8
Teejay	23	1.3	3.3	18.3	1.0	9-29
Deltapine DP 5414RR	22	1.3	1.5	23.3	2.3	10-11
Deltapine DP 5634RR	21	1.8	1.0	22.8	1.5	9-29
Hutcheson	19	1.0	1.8	19.5	2.3	10-3
Deltapine DP 5915RR	18	1.0	1.0	21.3	3.0	10-12
Ozark	18	1.3	1.3	17.3	2.1	10-11
Deltapine DP 5808RR	17	2.0	1.5	17.5	2.1	10-7
Dyna-Gro 36N57	17	1.3	1.0	16.5	4.3	10-14
Anand	15	1.0	1.8	17.0	2.1	10-1
Maturity Group VI						
Deltapine DP 6880 RR	25	2.3	1.0	27.3	2.4	10-17
Musen	24	1.3	1.0	22.8	3.4	10-19
Deltapine DPX 6568RR	24	1.0	1.0	19.5	1.9	10-20
Asgrow AG 6702	20	1.8	1.0	24.3	2.8	10-22
Deltapine DP 6215RR	19	3.0	1.5	27.8	2.8	10-6
Dekalb DKB 64-51	18	1.0	1.0	21.0	3.5	10-20
Au AX 416	16	1.0	1.0	22.5	4.0	10-24
Maturity Group VII						
Stonewall	30	2.0	1.0	23.8	1.5	10-17
Hartz H 7242RR	29	1.0	1.0	23.8	2.3	10-22
Dyna-Gro 34J71	27	1.8	1.0	21.0	1.1	10-20
Asgrow AG 7601	23	1.5	1.0	24.0	2.5	10-21
Dyna-Gro 33Z74	21	1.3	1.0	29.3	3.3	10-22
Dyna-Gro SX05273	21	1.3	1.0	25.0	4.8	10-21
Dyna-Gro SX05673	20	1.8	1.0	21.8	3.9	10-22
Deltapine DP 7870RR	20	2.3	1.0	26.5	3.8	10-22
L- Star	8	1.8	4.3	21.0	5.4	10-22
Deltapine DP 7220RR	3	1.0	1.0	14.0	8.8	10-24
<b>Trial mean</b>	20	1.4	1.3	21.7	2.9	10-14
<b>LSD(0.10)</b>	5.7	0.4	0.4	2.5	1.1	
<b>CV (%)</b>	31.1	27.7				

† Iron chlorosis was rated on August 26, 2005 on a scale of 1 = no chlorosis to 10 = plants losing leaves due to necrotic spots in leaves.



TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL,  
MARION JUNCTION, ALABAMA, 2005

Brand-Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
UA 4805	9	1.0	2.3	12	9-29
Maturity Group V					
Deltapine DP 5634RR	23	1.0	1.0	20	10-10
Asgrow AG 5905	22	1.0	1.0	22	10-5
Ozark	20	1.0	1.3	18	10-3
Anand	19	1.0	1.3	17	10-8
Dyna-Gro 36N57	18	1.0	1.3	16	10-2
Deltapine DP 5414RR	18	1.0	1.3	18	10-2
Deltapine DP 5915RR	15	1.0	1.3	19	10-6
Deltapine DP 5808RR	14	1.0	2.0	17	10-2
Teejay	12	1.0	3.0	16	9-29
Hutcheson	10	1.0	1.5	14	10-2
Maturity Group VI					
Deltapine DP 6880 RR	42	1.0	1.0	27	10-18
Dekalb DKB 64-51	41	1.0	1.0	27	10-15
Asgrow AG 6702	35	1.0	1.0	23	10-22
Au AX 416	33	1.3	1.0	36	10-25
Musen	33	1.0	1.0	18	10-21
Deltapine DP 6215RR	25	1.3	1.8	21	10-10
Deltapine DPX 6568RR	21	1.0	1.0	18	10-20
Maturity Group VII					
Deltapine DP 7870RR	41	1.3	1.0	25	10-19
Hartz H 7242RR	41	1.0	1.0	22	10-24
Asgrow AG 7601	39	1.0	1.0	23	10-18
Dyna-Gro SX05673	36	1.0	1.0	23	10-22
Dyna-Gro 33Z74	36	1.0	1.0	21	10-22
Deltapine DP 7220RR	35	1.0	1.0	19	10-25
Dyna-Gro 34J71	34	1.0	1.0	18	10-21
Stonewall	32	1.0	1.0	18	10-22
Dyna-Gro SX05273	30	1.0	1.0	24	10-23
L- Star	17	1.3	2.8	19	10-23
<b>Trial mean</b>	27	1.0	1.3	20	10-14
<b>LSD(0.10)</b>	9.6	0.2	0.3	4.5	
<b>CV (%)</b>	39.0				

TABLE 12. PERFORMANCE OF EARLY SOYBEAN VARIETIES AT BREWTON, ALABAMA, 2005

Brand-Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group V					
Deltapine DP 5634RR	56	1	0	26	9-20
AGS 568RR	54	1	0	19	9-23
Deltapine DP 5414RR	47	1	0	24	9-20
Deltapine DP 5915RR	45	1	0	22	10-1
TN 05-548RR	44	1	0	17	9-29
Deltapine DP 5808RR	41	1	0	22	9-20
TN 05-547RR	39	1	0	20	9-28
Hutcheson	37	1	0	15	9-24
Teejay	34	1	0	19	9-13
AGS 533RR	33	1	0	19	9-18
Maturity Group V					
Musen	65	1	0	23	10-18
Deltapine DP 6215RR	54	1	0	33	10-5
Deltapine DP 6880 RR	53	1	0	25	10-9
Deltapine DPX 6568RR	51	1	0	22	10-5
<b>Trial mean</b>	46	1	0	22	9-27
<b>LSD(0.10)</b>	3.9	0.0	0.0	2	
<b>CV (%)</b>	9.1	0.0			

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, 2005

Brand-Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group V					
Hutcheson	38	1	0	19	10-3
Asgrow AG 5905	37	1	0	28	10-3
Deltapine DP 5634RR	36	1	0	25	10-3
Deltapine DP 5414RR	35	1	0	27	10-5
Deltapine DP 5915RR	34	1	0	24	10-5
Anand	32	1	0	18	10-3
Teejay	32	1	0	19	10-2
Deltapine DP 5808RR	29	1	0	25	10-2
Maturity Group VI					
Musen	52	1	0	25	10-12
Asgrow AG 6702	48	1	0	27	10-12
Dyna-Gro SX05461	46	1	0	23	10-7
SS RT 6202N	46	1	0	28	10-8
Deltapine DPX 6568RR	44	1	0	23	10-8
Dekalb DKB 64-51	43	1	0	26	10-6
Pioneer 96M60	41	1	0	27	10-8
Dyna-Gro SX05263	40	1	0	26	10-7
SS RT 6451N	39	1	0	26	10-12
Au AX 416	39	1	0	36	10-17
Deltapine DP 6880 RR	38	1	0	28	10-11
Deltapine DP 6215RR	37	1	0	30	10-6
Maturity Group VII					
AGS 751 RR	51	1	0	34	10-16
Deltapine DP 7220RR	50	1	0	27	10-16
Hartz H 7242RR	49	1	0	30	10-15
Asgrow AG 7601	46	1	0	31	10-19
SS RT 7355N	46	1	0	23	10-16
Deltapine DP 7870RR	45	1	0	30	10-16
Pioneer 97B52	44	2	0	30	10-14
Stonewall	41	1	0	25	10-15
G03-G1126	40	1	0	24	10-16
Croplan Genetics RC 7355	39	1	0	23	10-10
SS RT 7499N	36	1	0	30	10-15
L- Star	20	1	8	28	10-8
Maturity Group VIII					
Kuell	50	1	0	32	10-21
AGS 825 RR	44	1	0	29	10-20
UGA G04-G2261	40	1	0	26	10-19
Pritchard RR	39	1	0	28	10-23
<b>Trial mean</b>	41	1	0	27	10-11
<b>LSD(0.10)</b>	4.8	0.1	1.5	2.5	
<b>CV (%)</b>	13.0				

TABLE 14. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA,  
THREE-YEAR SUMMARY, 2003-2005

Brand-Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2005	2-yr avg†	3-yr avg				
----- bu/acre -----			- inch -				
Maturity Group V							
Hutcheson	38	38	†	1	0	19	10-3
Deltapine DP 5634RR	36	36	.	1	0	23	10-3
Deltapine DP 5414RR	35	35	.	1	0	25	10-2
Deltapine DP 5915RR	34	34	.	1	0	23	10-7
Asgrow AG 5905	37	.	.	1	0	28	10-3
Anand	32	.	.	1	0	18	10-3
Teejay	32	.	.	1	0	19	10-2
Deltapine DP 5808RR	29	.	.	1	0	25	10-2
Maturity Group VI							
Musen	52	52	.	1	0	24	10-12
SS RT 6202N	46	46	.	1	0	27	10-9
Deltapine DP 6880 RR	38	38	.	1	0	26	10-13
Asgrow AG 6702	48	.	.	1	0	27	10-12
Dyna-Gro SX05461	46	.	.	1	0	23	10-7
Deltapine DPX 6568RR	44	.	.	1	0	23	10-8
Dekalb DKB 64-51	43	.	.	1	0	26	10-6
Pioneer 96M60	41	.	.	1	0	27	10-8
Dyna-Gro SX05263	40	.	.	1	0	26	10-7
SS RT 6451N	39	.	.	1	0	26	10-12
Au AX 416	39	.	.	1	0	36	10-17
Deltapine DP 6215RR	37	.	.	1	0	30	10-6
Maturity Group VII							
Deltapine DP 7220RR	50	50	.	1	0	27	10-17
Deltapine DP 7870RR	45	45	.	1	0	29	10-18
Pioneer 97B52	44	44	.	1	0	29	10-16
Stonewall	41	41	.	1	0	23	10-17
SS RT 7499N	36	36	.	1	0	30	10-19
AGS 751 RR	51	.	.	1	0	34	10-16
Hartz H 7242RR	49	.	.	1	0	30	10-15
Asgrow AG 7601	46	.	.	1	0	31	10-19
SS RT 7355N	46	.	.	1	0	23	10-16
G03-G1126	40	.	.	1	0	24	10-16
Croplan Genetics RC 7355	39	.	.	1	0	23	10-10
L- Star	20	.	.	1	8	28	10-8
Maturity Group VIII							
Kuell	50	50	.	1	0	30	10-22
Pritchard RR	39	39	.	1	0	29	10-24
AGS 825 RR	44	.	.	1	0	29	10-20
UGA G04-G2261	40	.	.	1	0	26	10-19
<b>Trial mean</b>	41	42	.	.	.	.	.
<b>LSD(0.10)</b>	4.5	0.6	.	.	.	.	.
<b>CV (%)</b>	12.3	2.3	.	.	.	.	.

† 2004 trial destroyed by hurricane Ivan., hence two-yr average is based on 2003 and 2005; no 3yr average is given

TABLE 15. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2005

Brand-Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group V					
Ozark	49	.	1.3	25	10-8
Deltapine DP 5634RR	47	.	1.0	29	10-9
Teejay	47	.	2.8	23	10-8
Hutcheson	46	.	2.0	26	10-10
Deltapine DP 5915RR	45	.	1.5	31	10-19
Anand	44	.	1.8	22	10-17
Asgrow AG 5905	44	.	1.0	35	10-24
Croplan Genetics RC 5972	43	.	1.0	27	10-26
Deltapine DP 5414RR	41	.	2.3	28	10-15
Croplan Genetics RC 5955	40	.	1.3	27	10-23
Deltapine DP 5808RR	40	.	2.3	27	10-8
Maturity Group VI					
Deltapine DPX 6568RR	48	.	1.0	24	10-23
Dekalb DKB 64-51	48	.	1.0	35	10-24
Musen	48	.	1.3	31	10-27
Deltapine DP 6880 RR	47	.	1.3	36	10-24
Pioneer 96M60	47	.	1.0	31	10-26
Deltapine DP 6215RR	45	.	1.0	37	10-21
Asgrow AG 6702	43	.	1.0	33	11-1
Au AX 416	30	.	1.0	40	11-5
Maturity Group VII					
Croplan Genetics RC 7355	52	.	1.0	31	10-27
Deltapine DP 7220RR	49	.	1.0	34	11-11
Deltapine DP 7870RR	48	.	1.0	38	10-29
G03-G1126	45	.	1.0	35	10-26
Pioneer 97B52	45	.	1.0	33	10-25
Stonewall	45	.	1.3	30	10-29
Hartz H 7242RR	43	.	1.3	37	10-24
Asgrow AG 7601	41	.	1.0	36	11-13
AGS 751 RR	41	.	1.0	41	11-2
Croplan Genetics RC 7402	38	.	1.3	41	11-2
L- Star	18	.	5.0	30	10-21
Maturity Group VIII					
UGA G04-G2261	43	.	1.3	29	11-4
AGS 825 RR	42	.	1.0	30	11-5
Kuell	40	.	1.3	36	11-10
Pritchard RR	32	.	1.0	36	11-14
<b>Trial mean</b>	43	.	1.4	32	10-25
<b>LSD(0.10)</b>	6.0		0.3	4.2	
<b>CV (%)</b>	15.2				

TABLE 16. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA,  
THREE-YEAR SUMMARY, 2003-2005

Brand-Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2005	2-yr avg	3-yr avg				
	----- bu/acre -----					- inch -	
Maturity Group V							
Deltapine DP 5915RR	45	49	52	2	1	33	10-15
Hutcheson	46	49	52	1	1	27	10-7
Deltapine DP 5634RR	47	50	52	2	1	34	10-9
Deltapine DP 5414RR	41	47	50	3	1	35	10-11
Ozark	49	53	.	.	1	29	10-7
Anand	44	51	.	.	1	24	10-13
Croplan Genetics RC 5972	43	49	.	.	1	29	10-19
Deltapine DP 5808RR	40	43	.	.	2	30	10-8
Teejay	47	.	.	.	3	23	10-8
Asgrow AG 5905	44	.	.	.	1	35	10-24
Croplan Genetics RC 5955	40	.	.	.	1	27	10-23
Maturity Group VI							
Musen	48	48	53	1	1	31	10-22
Deltapine DP 6880 RR	47	48	50	2	1	36	10-20
Deltapine DP 6215RR	45	46	.	.	1	36	10-17
Au AX 416	30	35	.	.	1	43	10-30
Deltapine DPX 6568RR	48	.	.	.	1	24	10-23
Dekalb DKB 64-51	48	.	.	.	1	35	10-24
Pioneer 96M60	47	.	.	.	1	31	10-26
Asgrow AG 6702	43	.	.	.	1	33	11-1
Maturity Group VII							
Deltapine DP 7870RR	48	49	54	2	1	39	10-24
Stonewall	45	45	49	2	1	33	10-23
Pioneer 97B52	45	47	49	3	1	37	10-22
Deltapine DP 7220RR	49	47	49	2	1	37	10-29
G03-G1126	45	49	.	.	1	37	10-23
Hartz H 7242RR	43	45	.	.	1	36	10-22
Asgrow AG 7601	41	44	.	.	1	40	11-4
Croplan Genetics RC 7402	38	42	.	.	1	44	10-28
Croplan Genetics RC 7355	52	.	.	.	1	31	10-27
AGS 751 RR	41	.	.	.	1	41	11-2
L- Star	18	.	.	.	5	30	10-21
Maturity Group VII							
Kuell	40	45	51	3	1	38	10-31
UGA G04-G2261	43	.	.	.	1	29	11-4
AGS 825 RR	42	.	.	.	1	30	11-5
Pritchard RR	32	.	.	.	1	38	11-5
<b>Trial mean</b>	43	47	51	.	.	.	.
<b>LSD(0.10)</b>	6.0	3.2	2.2	.	.	.	.
<b>CV (%)</b>	15.2	10.7	8.0	.	.	.	.

TABLE 17. CULTURAL PRACTICES FOR SOYBEAN VARIETY TESTS IN 2005

Location	Type of test	Date planted	Row width <i>- inches -</i>	Herbicide used	Fertilizer applied
Belle Mina	Group IV	April 25	7	Treflan, Sencor	none recommended
	Standard	May 16	30	Treflan, Sencor	none recommended
Crossville	Standard	May 10	30	Dual, Scepter	none recommended
Prattville	Standard	May 19	30	Prowl, Sencor	none recommended
Shorter	Standard	May 23	30	Poast	none recommended
Marion Junction	Standard (Sumter)	June 7	36	Poast, Scepter	none recommended
	Standard (Vaiden)	June 7	36	Poast, Scepter	none recommended
Brewton	Early	May 5	36	Dual	none recommended
	Standard	June 10	36	Dual	none recommended
Fairhope	Standard	June 15	38	Prowl	none recommended

TABLE 18. SOIL TYPES FOR SOYBEAN TESTS, 2005

Location	Soil Type
Belle Mina	Emory silt loam
Crossville	Wynnvilleville fine sandy loam
Prattville	Lucedale fine sandy loam
Shorter	Cowarts loamy sand
Marion Junction	Vaiden clay
Marion Junction	Sumter clay (high pH soil)
Brewton	Benndale fine sandy loam
Fairhope	Malbis fine sandy loam





TABLE 20. ENTRIES AND SOURCES OF SEED FOR SOYBEAN TESTS, 2005

<b>Source</b>	<b>Entry</b>
Alabama Crop Imp. Assoc. Auburn, Alabama	Hutcheson, Stonewall, Kuell
AGSouth Genetics Albany, Georgia	AGSouth Genetics brand varieties
Croplan Genetics Midland City, Alabama	Croplan Genetics brand varieties
Delta and Pine Land Company Scott, Mississippi	Deltapine brand varieties
Department of Agronomy & Soils Auburn University, Alabama	Au AX 416
Delta King Seed Co. McCrory, Arkansas	Delta King brand varieties
Garst Seed Co. hickory, Kentucky	Garst brand varieties
Georgia/Florida Soybean Association Athens, Georgia	L-Star
Monsanto St. Louis, Missouri	Asgrow, Dekalb brand varieties
Pioneer, A DuPont Company Huntsville, Alabama	Pioneer brand varieties
South Carolina Foundation Seed Association Clemson, South Carolina	Musen
Southern States Coop. Richmond, Virginia	SS RT brand varieties
UniSouth Genetics, Inc. Nashville, Tennessee	USG brand varieties
United Agri-Products Madison, Alabama	Dyna-Gro brand varieties
University of Arkansas Fayetteville, Arkansas	Ozark, UA 4805 (formerly R98-1817)
University of Georgia Athens, Georgia	G03-G1126, G04-G2261
University of Missouri Columbia, Missouri	Anand
University of Tennessee Knoxville, Tennessee	TN05-547RR, TN05-548RR
Virginia Polytechnic Institute Blacksburg, Virginia	Teejay