

Performance of Soybean Varieties in Alabama, 2001

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*Information contained herein is available to all persons
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Performance of Soybean Varieties in Alabama, 2001

K. M. Glass, C. D. Monks, and D. P. Delaney¹

INTRODUCTION

Soybean variety tests are conducted annually by the Alabama Agricultural Experiment Station. The eight 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 as follows: Northern (Belle Mina and Crossville), Central (Prattville and Shorter), Southern (Brewton), Black Belt (Marion Junction—two soils), and Gulf Coast (Fairhope).

EXPERIMENTAL PROCEDURES

The standard tests were designed as a randomized complete block with four replications. Standard plot size was four 30- to 38-inch rows 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 indicated no shattering, a rating of 3 indicated a 4 to 8 percent shattering, and a rating of 5 meant 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 reached mature pod color. Harvest was approximately 7 to 10 days later.

SEASONAL CONDITIONS

Rainfall for 2001 is shown in Table 3. Most standard tests in the northern and central regions were planted late due to the lack of moisture. The normal planting dates for full season plantings in the regular tests are the first week in May, May 15 to 25, and May 25 to June 5 for northern, central, and southern Alabama locations, respectively. Planting was delayed for standard tests at Shorter, Black Belt, Brewton, and Fairhope due to adverse soil moisture conditions.

COMPARING VARIETIES

To help determine real yield differences, a statistical analysis of variance is performed on the data from each location. The L.S.D. (least significant difference) and C.V. (coefficient of variation) are given for each location's 2001 test, and for the location's or region's two- and three-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

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more reliable than one-year performance. Three-year regional averages are considered a reliable evaluation of the relative performance of varieties.

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TABLE 1. CULTURAL PRACTICES FOR SOYBEAN VARIETY TESTS IN 2001

Location	Test Type	Planting Date	Row Width	Herbicide	Fertilizer
Belle Mina	Group IV	April 25	7	Treflan	none recommended
	Standard	May 17	30	Treflan	none recommended
Crossville	Standard	May 16	30	Scepter, Dual	none recommended
Prattville	Standard	May 28	30	Dual	none recommended
Shorter	Standard	June 14	30	Dual	none recommended
Marion Junction	Standard (Sumter)	June 19	36	Scepter	none recommended
	Standard (Vaiden)	June 19	36	Scepter	none recommended
Brewton	Early	May 9	36	Dual	400 lb. 5-10-15/acre
	Standard	June 19	36	Dual	400 lb. 5-10-15/acre
Fairhope	Standard	June 16	38	Prowl	165 lb. 0-24-24/acre

TABLE 2. SOIL TYPES FOR SOYBEAN TESTS, 2001

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

TABLE 3. RAINFALL AT TEST LOCATIONS DURING GROWING SEASON, 2001

Month	Days	Belle Mina <i>in.</i>	Crossville <i>in.</i>	Shorter <i>in.</i>	Prattville <i>in.</i>	Marion Junction <i>in.</i>	Brewton <i>in.</i>	Fairhope <i>in.</i>
May	1-5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6-10	2.70	0.55	0.00	0.00	0.65	0.05	0.08
	11-15	0.00	0.63	0.07	0.16	0.00	0.95	0.00
	16-20	0.55	0.88	2.90	1.85	0.10	0.00	0.00
	21-25	0.85	0.87	0.13	0.70	0.90	0.17	0.33
	26-31	2.29	2.28	0.46	0.22	0.89	0.37	0.14
		6.39	5.21	3.56	2.93	2.54	1.54	0.55
June	1-5	2.74	0.95	1.20	2.18	1.01	0.22	1.35
	6-10	2.84	0.00	1.12	0.51	2.45	2.04	1.05
	11-15	0.53	0.00	0.20	0.43	0.89	5.21	10.97
	16-20	1.01	0.00	0.32	0.98	0.10	0.00	0.00
	21-25	0.37	0.00	0.50	0.90	0.38	1.71	0.31
	26-30	1.26	0.00	3.71	0.05	0.48	0.28	0.09
		8.75	0.95	7.05	5.05	5.31	9.46	13.77
July	1-5	0.78	0.66	0.44	0.86	1.10	0.52	1.22
	6-10	1.49	0.71	0.02	0.00	0.00	0.38	0.00
	11-15	0.52	0.00	0.32	0.05	0.00	0.02	2.71
	16-20	0.00	0.00	0.00	0.00	0.00	0.00	1.71
	21-25	0.04	2.00	1.42	1.68	1.69	1.31	2.43
	26-31	1.45	1.31	0.93	1.42	1.34	2.55	7.58
		4.28	4.68	3.13	4.01	4.13	4.78	15.65
August	1-5	0.35	0.00	0.00	0.00	0.77	0.30	0.00
	6-10	0.38	1.48	1.01	5.51	2.58	2.85	0.82
	11-15	2.48	2.31	1.31	1.56	1.05	3.11	2.90
	16-20	0.04	0.52	0.00	0.56	0.10	1.16	4.00
	21-25	0.00	0.00	0.00	0.00	0.00	0.00	0.05
	26-31	0.24	0.20	0.12	1.99	2.10	0.35	1.29
		3.49	4.51	2.44	9.62	6.60	7.77	9.06
September	1-5	3.07	2.92	1.26	2.03	2.37	1.24	0.84
	6-10	1.58	0.00	0.07	0.00	0.63	1.85	1.39
	11-15	0.11	0.00	0.18	0.28	0.08	0.02	1.59
	16-20	0.59	0.29	0.05	0.00	0.24	0.18	0.67
	21-25	0.20	0.49	0.05	0.12	0.35	0.11	0.17
	26-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		5.55	3.70	1.61	2.43	3.67	3.40	4.66
October	1-5	0.00	0.00	0.00	0.42	0.05	0.00	0.03
	6-10	0.09	0.79	0.37	0.00	0.70	0.07	0.37
	11-15	3.39	1.60	1.00	2.33	2.50	3.44	3.00
	16-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21-25	0.33	0.10	0.00	0.00	0.00	0.00	0.03
	26-31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		3.81	2.49	1.37	2.75	3.25	3.51	3.40

TABLE 4. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2001

Brand-Variety	Yield Per Acre <i>bu.</i>	Average			Maturity Date
		Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	
SS RT 5001N	57.5	1.0	1.0	38	9-26
Croplan Genetics RC4995	57.0	1.0	1.0	34	9-10
Deltapine DP 4690RR	55.9	1.0	1.0	34	9-8
USG 7489	53.0	1.0	1.0	32	9-11
Croplan Genetics YRC49	52.4	1.0	1.0	29	9-26
Delta King 4965RR	52.3	1.0	1.0	30	9-15
Delta King 4868RR	52.1	1.0	1.0	32	9-13
SS RT 4980	51.7	1.0	1.0	33	9-10
Golden Harvest H 4850RR	49.2	1.0	1.0	34	9-10
Deltapine DP 4748S	48.9	1.0	1.8	34	9-7
Sure-Grow 498 RR	48.1	1.0	1.0	26	9-14
Pioneer 94B73	48.1	1.0	1.0	33	8-31
Croplan Genetics RC4444	47.9	1.0	1.0	30	9-8
Golden Harvest H 4534RR	47.9	1.0	1.0	31	9-7
Armor 44-R4	46.8	1.0	1.0	31	9-11
Croplan Genetics 480RR	45.9	1.0	1.0	34	9-12
SS RT 446N	42.9	1.0	1.0	32	9-2
Armor 47-G7	41.9	1.0	1.0	29	9-7
Armor 42-L2	33.6	1.0	1.0	33	8-29
Test Means	49.1	1.0	1.0	32	
L.S.D. (.05)	5.5				
C.V. (%)	7.8				

TABLE 5. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2001

Brand-Variety	Yield Per Acre		Regional Average			
	Belle Mina <i>bu.</i>	Crossville <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	Maturity Date
Maturity Group IV						
Delta King 4763	53.1	57.6	2.1	1.0	29	9-25
Golden Harvest H 4850RR	52.0	48.5	2.3	1.8	32	9-26
SS RT 5001N	50.4	48.3	2.3	1.1	39	9-26
Delta King XTJ 184RR	47.3	50.8	2.4	1.6	33	9-25
Maturity Group V						
Deltapine DPX 5915RR	60.4	60.8	1.4	1.1	34	10-11
Armor 54-Z4	60.3	55.0	1.1	1.0	32	10-2
Delta King 5995	59.3	59.0	2.0	1.0	35	10-9
USG 540NRR	59.0	53.3	1.3	1.0	32	10-3
Croplan Genetics YRC 56	59.0	57.3	1.4	1.0	31	10-3
Delta King 5366RR	58.9	51.3	1.8	1.0	34	10-4
Delta King 5668RR	58.1	57.0	2.3	1.1	32	10-5
Armor 56-J6	57.3	63.4	1.9	1.0	37	10-7
AgriPro/Garst XR0162N44	57.1	56.6	1.8	1.0	36	10-12
Hutcheson	56.8	47.3	2.0	1.0	34	10-3
Delta King 5661RR	56.6	51.0	2.3	1.0	37	10-8
TN 96-58	56.4	50.8	1.1	1.0	31	10-3
Armor 53-K3	56.2	53.3	1.6	1.1	31	10-1
AgriPro/Garst 5512 RR/N	55.6	48.2	1.0	1.1	31	10-1
Armor 59-B9	55.3	50.9	1.9	1.1	40	10-8
Dyna-Gro 3562NRR	55.3	55.5	2.1	1.1	33	10-5
Delta King 5465RR	54.8	59.5	1.5	1.4	32	10-3
Croplan Genetics RC 5454	53.8	58.1	1.3	1.0	32	10-3
USG Exp 570	53.4	57.0	1.5	1.0	38	10-8
SS RT-557N	52.9	52.2	2.4	1.0	36	10-1
Deltapine DP 5414RR	52.6	50.2	2.1	1.1	38	10-3
SS RT 5401N	52.4	55.3	1.0	1.0	29	10-2
Pioneer 95B53	52.4	52.9	1.3	1.1	29	10-1
Dyna-Gro 3582NRR	52.3	50.4	1.8	1.0	38	10-7
Croplan Genetics YRC 58	52.3	54.2	1.8	1.0	39	10-4
Croplan Genetics Robin 5	52.2	52.1	1.3	1.0	30	10-8
Pioneer 95B32	51.8	53.0	1.8	1.0	29	10-2
Pioneer 95B96	51.6	46.3	1.5	1.4	35	10-7
Armor 52-C2	51.6	51.7	1.6	1.0	28	9-29
SS RT-5999N	51.3	53.3	1.9	1.0	39	10-5
Croplan Genetics YRC 57	51.3	43.2	1.9	1.1	32	10-10
Deltapine DP 5806 RR	50.9	50.8	2.3	1.0	36	10-9
Croplan Genetics 590RR	49.9	48.0	2.5	1.0	38	10-11
ES Trooper RR	49.9	44.5	2.1	1.3	32	10-11
Croplan Genetics RC 5252	49.4	55.9	1.4	1.0	33	10-1
ES Prairie RRI	49.0	41.0	2.9	1.0	35	9-27
Delta King 5762RR	48.9	49.8	2.1	1.0	39	10-9
Golden Harvest H5137RR	48.7	52.2	2.3	1.0	37	9-28
Deltapine DP 5644 RR	48.5	48.4	1.5	1.0	36	10-4
ES Punch RR	48.4	48.5	1.8	1.3	37	10-2
ES Ranger RR	48.2	55.8	2.6	1.0	27	10-3
Dyna-Gro 3518NRR	47.4	48.4	1.9	1.0	34	9-26
USG 7547RR	47.0	44.9	1.8	1.0	32	10-1
Deltapine DP 5110S	46.8	49.5	1.9	1.1	37	9-26
AgriPro/Garst 588RR	45.9	48.3	1.5	1.0	39	10-9
ES Marshall RR	45.4	43.5	2.3	1.0	36	10-10

continued

TABLE 5, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2001

Brand-Variety	Yield Per Acre		Regional Average			
	Belle Mina <i>bu.</i>	Crossville <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	Maturity Date
Maturity Group VI						
G99-G725	56.0	53.5	2.6	1.0	32	10-20
Santee	55.0	51.9	2.3	1.0	36	10-22
USG 620NRR	54.5	54.7	1.8	1.3	38	10-12
Croplan Genetics 6299RR	54.4	54.8	1.8	1.0	38	10-11
SS RT-6299N	54.2	52.2	1.6	1.0	39	10-17
Dyna-Gro 3614NRR	54.2	51.1	1.8	1.0	38	10-11
Pioneer 96B21	51.3	49.1	1.5	1.0	38	10-9
Dillon	48.6	44.6	1.5	1.1	39	10-13
Musen	44.8	49.5	2.4	1.0	33	10-21
SS RT-6999N	39.5	36.6	2.1	1.8	40	10-19
Test Means	52.5	51.5	1.8	1.1	35	
L.S.D. (.05)	6.9	8.4				
C.V. (%)	9.4	11.6				

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, THREE-YEAR SUMMARY, 1999-2001

Brand-Variety	Yield Per Acre			3-Year Average			
	2001 <i>bu.</i>	2-Yr. Avg. <i>bu.</i>	3-Yr. Avg. <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	Maturity Date
Maturity Group IV							
Delta King 4763	55.4	—	—	—	—	—	—
Golden Harvest H 4850RR	50.3	—	—	—	—	—	—
SS RT 5001N	49.3	—	—	—	—	—	—
Delta King XTJ 184RR	49.0	—	—	—	—	—	—
Maturity Group V							
Delta King 5995	59.1	40.6	33.6	1.4	1.0	34	10-7
Hutcheson	52.0	36.4	32.1	1.4	1.1	31	10-3
Pioneer 95B53	52.6	37.4	31.9	1.2	1.1	31	9-29
Croplan Genetics Robin 5	52.1	36.6	31.7	1.1	1.0	29	10-6
Delta King 5661RR	53.8	36.8	31.7	1.5	1.2	34	10-6
Pioneer 95B32	52.4	36.1	31.4	1.3	1.1	30	9-26
Delta King 5762RR	49.4	36.1	31.2	1.5	1.0	38	10-7
SS RT-557N	52.6	35.9	30.7	1.6	1.0	35	9-30
AgriPro/Garst 588RR	47.1	33.8	29.4	1.2	1.0	36	10-6
Deltapine DP 5644 RR	48.4	33.8	29.2	1.2	1.0	35	10-3
Deltapine DPX 5915RR	60.6	42.1	—	—	—	—	—
Delta King 5668RR	57.6	39.2	—	—	—	—	—
Delta King 5465RR	57.2	39.2	—	—	—	—	—
Delta King 5366RR	55.1	38.1	—	—	—	—	—
SS RT-5999N	52.3	37.7	—	—	—	—	—
Dyna-Gro 3582NRR	51.4	36.1	—	—	—	—	—
Deltapine DP 5806 RR	50.9	35.6	—	—	—	—	—
Croplan Genetics 590RR	49.0	34.8	—	—	—	—	—
Armor 56-J6	60.3	—	—	—	—	—	—
Croplan Genetics YRC 56	58.1	—	—	—	—	—	—
Armor 54-Z4	57.7	—	—	—	—	—	—
AgriPro/Garst XR0162N44	56.8	—	—	—	—	—	—

continued

**TABLE 6, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA,
THREE-YEAR SUMMARY, 1999-2001**

Brand-Variety	Yield Per Acre			3-Year Average			Maturity Date
	2001 <i>bu.</i>	2-Yr. Avg. <i>bu.</i>	3-Yr. Avg. <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	
Maturity Group V, continued							
USG 540NRR	56.2	—	—	—	—	—	—
Croplan Genetics RC 5454	55.9	—	—	—	—	—	—
Dyna-Gro 3562NRR	55.4	—	—	—	—	—	—
USG Exp 570	55.2	—	—	—	—	—	—
Armor 53-K3	54.8	—	—	—	—	—	—
SS RT 5401N	53.9	—	—	—	—	—	—
TN 96-58	53.6	—	—	—	—	—	—
Croplan Genetics YRC 58	53.2	—	—	—	—	—	—
Armor 59-B9	53.1	—	—	—	—	—	—
Croplan Genetics RC 5252	52.7	—	—	—	—	—	—
ES Ranger RR	52.0	—	—	—	—	—	—
AgriPro/Garst 5512 RR/N	51.9	—	—	—	—	—	—
Armor 52-C2	51.7	—	—	—	—	—	—
Deltapine DP 5414RR	51.4	—	—	—	—	—	—
Golden Harvest H5137RR	50.4	—	—	—	—	—	—
Pioneer 95B96	49.0	—	—	—	—	—	—
ES Punch RR	48.5	—	—	—	—	—	—
Deltapine DP 5110S	48.2	—	—	—	—	—	—
Dyna-Gro 3518NRR	47.9	—	—	—	—	—	—
Croplan Genetics YRC 57	47.2	—	—	—	—	—	—
ES Trooper RR	47.2	—	—	—	—	—	—
USG 7547RR	45.9	—	—	—	—	—	—
ES Prairie RRI	45.0	—	—	—	—	—	—
ES Marshall RR	44.5	—	—	—	—	—	—
Maturity Group VI							
Musen	47.2	34.5	28.4	1.5	1.0	34	10-18
Dillon	46.6	34.1	28.0	1.3	1.0	37	10-10
SS RT-6299N	53.2	36.6	—	—	—	—	—
Croplan Genetics 6299RR	54.6	36.5	—	—	—	—	—
Santee	53.5	36.0	—	—	—	—	—
Pioneer 96B21	50.2	35.0	—	—	—	—	—
G99-G725	54.8	—	—	—	—	—	—
USG 620NRR	54.6	—	—	—	—	—	—
Dyna-Gro 3614NRR	52.6	—	—	—	—	—	—
SS RT-6999N	38.1	—	—	—	—	—	—
Test Means	52.0	36.6	30.8	1.3	1.0	34	
L.S.D. (.05)	7.6						
C.V. (%)	10.6						

TABLE 7. PERFORMANCE OF SOYBEAN VARIETIES AT PRATTVILLE, ALABAMA, 2001

Brand-Variety	Yield Per Acre <i>bu.</i>	Average			Maturity Date
		Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	
Maturity Group IV					
Delta King 4763	47.6	1.0	1.0	26	9-21
Delta King XTJ 184RR	35.2	1.0	2.0	30	9-24
Maturity Group V					
Delta King 5995	54.5	1.0	1.0	22	10-1
Delta King 5668RR	54.4	1.0	1.3	23	10-2
Croplan Genetics YRC 58	52.8	1.0	1.0	28	10-3
Delta King 5366RR	52.7	1.0	1.0	23	9-30
Hutcheson	51.9	1.0	1.0	26	10-4
Dyna-Gro 3562NRR	50.5	1.0	1.0	23	10-2
USG 7547RR	50.0	1.0	1.5	24	9-29
Pioneer 95B96	47.7	1.0	1.0	23	10-4
Delta King 5661RR	47.6	1.0	1.3	23	9-29
Croplan Genetics YRC 57	46.7	1.0	1.0	22	10-5
Croplan Genetics Robin 5	46.4	1.0	1.0	21	10-6
Delta King 5465RR	46.2	1.0	1.3	22	9-30
Delta King 5762RR	45.2	1.0	1.0	26	10-2
Croplan Genetics YRC 56	44.6	1.0	1.3	22	10-4
TN 96-58	42.1	1.0	1.0	20	10-1
USG 540NRR	40.3	1.0	1.0	20	10-1
Dyna-Gro 3518NRR	36.0	1.0	1.8	22	9-23
Croplan Genetics RC 5454	35.4	1.0	1.0	21	9-30
Croplan Genetics RC 5252	34.0	1.0	1.5	19	9-30
USG Exp 570	32.9	1.0	1.0	21	10-2
Dyna-Gro 3582NRR	30.7	1.5	1.3	23	10-1
Croplan Genetics 590RR	29.4	1.8	1.0	21	10-2
Maturity Group VI					
AU 97-1637	53.6	1.0	1.0	34	10-10
Musen	52.2	1.0	1.3	35	10-13
Croplan Genetics 6299RR	50.6	1.0	1.0	30	10-4
Pioneer 96B21	49.3	1.0	1.0	28	10-4
G99-G725	49.2	1.0	1.0	27	10-12
AU 97-55	49.0	1.0	1.0	33	10-10
USG 620NRR	48.9	1.0	1.0	30	10-4
Santee	47.7	1.0	1.0	38	10-11
Dillon	46.9	1.0	1.0	31	10-4
Dyna-Gro 3614NRR	39.4	1.0	1.0	25	10-5
Maturity Group VII					
AU 96-1693	55.3	1.0	1.0	34	10-13
Benning	54.5	1.0	1.0	35	10-12
Pioneer 97B52	51.9	1.0	1.0	36	10-11
Carver	50.8	1.0	1.0	31	10-10
Stonewall	48.9	1.0	1.3	35	10-13
Haskell	48.7	1.0	1.0	33	10-14
G99-G6682	47.1	1.0	1.0	33	10-14
Test Means	46.3	1.0	1.1	27	
L.S.D. (.05)	7.8				
C.V. (%)	12.0				

**TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES AT PRATTVILLE, ALABAMA,
THREE-YEAR SUMMARY, 1999-2001**

Brand-Variety	Yield Per Acre			3-Year Average			
	2001 <i>bu.</i>	2-Yr. Avg. <i>bu.</i>	3-Yr. Avg. <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	Maturity Date
Maturity Group IV							
Delta King 4763	47.6	—	—	—	—	—	—
Delta King XTJ 184RR	35.2	—	—	—	—	—	—
Maturity Group V							
Croplan Genetics Robin 5	46.4	33.4	37.1	1.0	1.5	19	10-2
Hutcheson	51.9	34.7	35.7	1.0	1.3	20	10-1
Dyna-Gro 3562NRR	50.5	34.9	—	—	—	—	—
Dyna-Gro 3582NRR	30.7	24.9	—	—	—	—	—
Croplan Genetics 590RR	29.4	24.9	—	—	—	—	—
Delta King 5995	54.5	—	—	—	—	—	—
Delta King 5668RR	54.4	—	—	—	—	—	—
Croplan Genetics YRC 58	52.8	—	—	—	—	—	—
Delta King 5366RR	52.7	—	—	—	—	—	—
USG 7547RR	50.0	—	—	—	—	—	—
Pioneer 95B96	47.7	—	—	—	—	—	—
Delta King 5661RR	47.6	—	—	—	—	—	—
Croplan Genetics YRC 57	46.7	—	—	—	—	—	—
Delta King 5465RR	46.2	—	—	—	—	—	—
Delta King 5762RR	45.2	—	—	—	—	—	—
Croplan Genetics YRC 56	44.6	—	—	—	—	—	—
TN 96-58	42.1	—	—	—	—	—	—
USG 540NRR	40.3	—	—	—	—	—	—
Dyna-Gro 3518NRR	36.0	—	—	—	—	—	—
Croplan Genetics RC 5454	35.4	—	—	—	—	—	—
Croplan Genetics RC 5252	34.0	—	—	—	—	—	—
USG Exp 570	32.9	—	—	—	—	—	—
Maturity Group VI							
Musen	52.2	38.1	36.7	1.0	1.2	28	10-14
Dillon	46.9	33.5	36.2	1.0	1.3	27	10-6
Santee	47.7	35.2	—	—	—	—	—
Croplan Genetics 6299RR	50.6	35.1	—	—	—	—	—
AU 97-1637	53.6	—	—	—	—	—	—
Pioneer 96B21	49.3	—	—	—	—	—	—
G99-G725	49.2	—	—	—	—	—	—
AU 97-55	49.0	—	—	—	—	—	—
USG 620NRR	48.9	—	—	—	—	—	—
Dyna-Gro 3614NRR	39.4	—	—	—	—	—	—
Maturity Group VII							
Benning	54.5	36.9	36.5	1.0	1.2	28	10-13
Carver	50.8	37.3	35.5	1.0	1.9	26	10-11
Haskell	48.7	35.0	35.0	1.0	1.0	29	10-15
Stonewall	48.9	34.4	34.2	1.0	1.9	27	10-12
AU 96-1693	55.3	—	—	—	—	—	—
Pioneer 97B52	51.9	—	—	—	—	—	—
G99-G6682	47.1	—	—	—	—	—	—
Test Means	46.3	33.7	35.9	1.0	1.4	25	
L.S.D. (.05)	7.8						
C.V. (%)	12.0						

TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, 2001

Brand-Variety	Yield Per Acre <i>bu.</i>	Average			Maturity Date
		Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	
Maturity Group V					
Hutcheson	49.7	1.8	0.0	34	9-24
Delta King 5465RR	47.2	0.0	0.0	35	9-24
Delta King 5668RR	46.8	1.8	0.0	33	9-25
TN 96-58	45.6	1.0	0.0	34	9-24
Delta King 5366RR	42.5	1.3	0.0	35	9-24
USG 7547RR	42.3	0.8	0.0	35	9-24
Delta King 5995	42.2	1.3	0.0	36	9-26
Pioneer 95B96	41.8	0.5	0.0	35	9-26
Delta King 5661RR	41.4	0.8	0.0	37	9-25
Delta King 5762RR	39.4	0.8	0.0	42	9-28
USG Exp 570	38.7	0.5	0.0	36	9-28
USG 540NRR	37.8	0.0	0.0	33	9-24
Maturity Group VI					
Pioneer 96B21	39.2	0.3	0.0	40	9-28
USG 620NRR	38.6	0.5	0.0	38	9-29
AU 97-55	38.5	2.0	0.0	37	10-6
G99-G725	37.3	0.8	0.0	35	10-4
Dillon	37.3	1.3	0.0	41	9-30
Musen	34.8	1.0	0.0	38	10-8
Santee	33.9	1.8	0.0	42	10-9
AU 97-1637	33.4	1.3	0.0	40	10-9
Maturity Group VII					
Benning	37.9	1.3	0.0	40	10-9
Stonewall	37.3	1.0	0.0	36	10-8
Carver	34.1	1.3	0.0	36	10-4
Haskell	32.6	2.3	0.0	39	10-10
Pioneer 97B52	32.1	1.8	0.0	39	10-9
AU 96-1693	31.7	1.8	0.0	39	10-10
G99-G6682	30.3	2.3	0.0	39	10-10
Test Means	38.7	1.1	0.0	37	
L.S.D. (.05)	6.2				
C.V. (%)	11.4				

**TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA,
THREE-YEAR SUMMARY, 1999-2001**

Brand-Variety	Yield Per Acre			3-Year Average			
	2001 <i>bu.</i>	2-Yr. Avg. <i>bu.</i>	3-Yr. Avg. <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	Maturity Date
Maturity Group V							
Hutcheson	49.7	42.5	40.2	0.6	0.0	29	9-25
Delta King 5465RR	47.2	—	—	—	—	—	—
Delta King 5668RR	46.8	—	—	—	—	—	—
TN 96-58	45.6	—	—	—	—	—	—
Delta King 5366RR	42.5	—	—	—	—	—	—
USG 7547RR	42.3	—	—	—	—	—	—
Delta King 5995	42.2	—	—	—	—	—	—
Pioneer 95B96	41.8	—	—	—	—	—	—
Delta King 5661RR	41.4	—	—	—	—	—	—
Delta King 5762RR	39.4	—	—	—	—	—	—
USG Exp 570	38.7	—	—	—	—	—	—
USG 540NRR	37.8	—	—	—	—	—	—
Maturity Group VI							
Musen	34.8	35.8	37.1	0.3	0.0	36	10-13
Dillon	37.3	37.1	36.3	0.7	0.0	38	10-6
Santee	33.9	33.5	—	—	—	—	—
Pioneer 96B21	39.2	—	—	—	—	—	—
USG 620NRR	38.6	—	—	—	—	—	—
AU 97-55	38.5	—	—	—	—	—	—
G99-G725	37.3	—	—	—	—	—	—
AU 97-1637	33.4	—	—	—	—	—	—
Maturity Group VII							
Benning	37.9	37.7	38.1	1.4	0.0	36	10-14
Stonewall	37.3	37.1	37.2	0.4	0.0	35	10-12
Carver	34.1	34.2	34.4	0.5	0.0	34	10-7
Haskell	32.6	33.7	34.2	1.3	0.0	35	10-14
Pioneer 97B52	32.1	—	—	—	—	—	—
AU 96-1693	31.7	—	—	—	—	—	—
G99-G6682	30.3	—	—	—	—	—	—
Test Means	38.7	36.5	36.8	0.8	0.0	35	
L.S.D. (.05)	6.2						
C.V. (%)	11.4						

**TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL,
MARION JUNCTION, ALABAMA, 2001**

Brand-Variety	Yield Per Acre <i>bu.</i>	Lodging Score	Shattering Score	Average		Maturity Date
				Plant Height (<i>in.</i>)	Iron Chlorosis Rating ¹	
Maturity Group V						
ES Marshall RR	24.8	1.0	1.3	25	2.00	10-18
Croplan Genetics 590RR	17.4	1.0	1.0	19	3.00	10-16
Croplan Genetics Robin 5	17.0	1.0	2.0	18	1.50	10-11
Deltapine DP 5414RR	15.8	1.0	1.5	19	4.50	10-21
ES Punch RR	14.8	1.0	2.0	20	3.50	10-12
Hutcheson	13.9	1.0	1.8	16	1.00	10-14
Deltapine DP 5110S	13.1	1.0	1.8	20	6.00	10-20
Deltapine DP 5644 RR	11.0	1.0	1.5	17	6.00	10-18
Deltapine DPX 5915RR	10.4	1.0	1.0	15	6.50	10-22
Croplan Genetics YRC 57	10.3	1.0	1.0	13	6.00	10-16
Pioneer 95B53	9.9	1.0	1.3	15	5.50	10-14
ES Trooper RR	8.8	1.0	1.5	12	6.00	10-17
ES Prairie RRI	7.7	1.0	2.3	17	5.50	10-11
Croplan Genetics RC 5252	7.1	1.0	2.3	12	5.00	10-13
Deltapine DP 5806 RR	5.8	1.0	1.5	14	8.00	10-20
Croplan Genetics YRC 56	5.5	1.0	1.8	11	6.50	10-18
Pioneer 95B96	5.4	1.0	1.0	14	6.00	10-21
Croplan Genetics RC 5454	3.6	1.0	1.3	11	8.00	10-14
ES Ranger RR	2.4	1.0	1.3	8	9.00	10-17
TN 96-58	2.1	1.0	1.3	8	7.50	10-17
Maturity Group VI						
Deltapine DP 6880 RR	23.6	1.0	1.3	20	2.00	10-15
Santee	22.2	1.0	1.0	24	2.00	10-20
Croplan Genetics 6299RR	21.3	1.0	1.0	20	2.00	10-16
Pioneer 96B21	17.7	1.0	1.0	21	3.00	10-17
Dillon	17.3	1.0	1.8	19	2.00	10-16
G99-G725	14.9	1.0	1.8	16	1.50	10-19
Deltapine DP 6299RR	13.7	1.0	1.8	17	4.50	10-19
Musen	13.4	1.0	1.0	17	4.50	10-19
AU 97-1637	13.2	1.0	2.0	14	3.00	10-18
AU 97-55	11.1	1.0	1.3	14	5.00	10-19
Maturity Group VII						
Haskell	28.3	1.0	1.0	25	1.00	10-22
Pioneer 97B52	24.8	1.0	1.0	23	3.00	10-21
Deltapine DP 7731	24.7	1.0	1.0	22	2.50	10-20
G99-G6682	22.1	1.0	1.0	24	2.00	10-21
Benning	20.8	1.0	1.5	19	2.00	10-20
Stonewall	17.0	1.0	1.3	17	4.00	10-21
AU 96-1693	16.9	1.0	1.3	19	4.00	10-22
Carver	15.1	1.0	1.8	16	3.00	10-16
Test Means	14.3	1.0	1.4	17	4.16	
L.S.D. (.05)	7.3					
C.V. (%)	36.3					

¹ Iron chlorosis ratings were 1 to 10: 1=no chlorosis, 10=plants losing leaves due to necrotic spots in leaves. Ratings made on August 17, 2001. Yields reduced due to iron chlorosis.

**TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL,
MARION JUNCTION, ALABAMA, THREE-YEAR SUMMARY, 1998-99 AND 2001**

Brand-Variety	Yield Per Acre			3-Year Average			
	2001 ¹ <i>bu.</i>	2-Yr. Avg. <i>bu.</i>	3-Yr. Avg. <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	Maturity Date
Maturity Group V							
Croplan Genetics Robin 5	17.0	11.2	9.5	1.0	3.5	15	10-17
Deltapine DP 5644 RR	11.0	7.4	7.4	1.0	2.3	18	10-20
Hutcheson	13.9	8.4	7.1	1.0	2.9	14	10-18
ES Marshall RR	24.8	—	—	—	—	—	—
Croplan Genetics 590RR	17.4	—	—	—	—	—	—
Deltapine DP 5414RR	15.8	—	—	—	—	—	—
ES Punch RR	14.8	—	—	—	—	—	—
Deltapine DP 5110S	13.1	—	—	—	—	—	—
Deltapine DPX 5915RR	10.4	—	—	—	—	—	—
Croplan Genetics YRC 57	10.3	—	—	—	—	—	—
Pioneer 95B53	9.9	—	—	—	—	—	—
ES Trooper RR	8.8	—	—	—	—	—	—
ES Prairie RRI	7.7	—	—	—	—	—	—
Croplan Genetics RC 5252	7.1	—	—	—	—	—	—
Deltapine DP 5806 RR	5.8	—	—	—	—	—	—
Croplan Genetics YRC 56	5.5	—	—	—	—	—	—
Pioneer 95B96	5.4	—	—	—	—	—	—
Croplan Genetics RC 5454	3.6	—	—	—	—	—	—
ES Ranger RR	2.4	—	—	—	—	—	—
TN 96-58	2.1	—	—	—	—	—	—
Maturity Group VI							
Deltapine DP 6880 RR	23.6	17.4	14.4	1.0	1.3	20	10-22
Dillon	17.3	13.3	10.1	1.0	2.4	17	10-21
Musen	13.4	10.8	9.7	1.0	1.0	17	10-24
Croplan Genetics 6299RR	21.3	12.1	—	—	—	—	—
Santee	22.2	—	—	—	—	—	—
Pioneer 96B21	17.7	—	—	—	—	—	—
G99-G725	14.9	—	—	—	—	—	—
Deltapine DP 6299RR	13.7	—	—	—	—	—	—
AU 97-1637	13.2	—	—	—	—	—	—
AU 97-55	11.1	—	—	—	—	—	—
Maturity Group VII							
Haskell	28.3	20.5	17.9	1.0	1.0	21	10-24
Benning	20.8	14.9	13.0	1.0	1.5	19	10-25
Stonewall	17.0	14.5	12.9	1.0	1.3	17	10-24
Carver	15.1	13.2	11.0	1.0	1.8	17	10-22
Deltapine DP 7731	24.7	18.5	—	—	—	—	—
Pioneer 97B52	24.8	—	—	—	—	—	—
G99-G6682	22.1	—	—	—	—	—	—
AU 96-1693	16.9	—	—	—	—	—	—
Test Means	14.3	13.5	11.3	1.0	1.9	17	
L.S.D. (.05)	7.3						
C.V. (%)	36.3						

¹ Yields reduced due to iron chlorosis.

**TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL,
MARION JUNCTION, ALABAMA, 2001 ¹**

Brand-Variety	Yield Per Acre <i>bu.</i>	Average		Plant Height (<i>in.</i>)	Maturity Date
		Lodging Score	Shattering Score		
Maturity Group V					
Deltapine DP 5110S	49.9	1.0	1.0	32	10-20
TN 96-58	46.8	1.0	1.0	31	10-19
Croplan Genetics Robin 5	46.6	1.0	1.0	20	10-18
Deltapine DP 5806 RR	45.1	1.0	1.0	28	10-18
Deltapine DPX 5915RR	44.9	1.0	1.0	35	10-22
Pioneer 95B96	44.7	1.0	1.0	27	10-16
ES Marshall RR	44.1	1.5	1.0	35	10-18
Croplan Genetics YRC 57	43.9	1.0	1.0	26	10-18
Pioneer 95B53	43.6	1.3	1.0	22	10-10
ES Punch RR	42.1	1.0	1.0	31	10-13
Deltapine DP 5644 RR	41.9	1.0	1.0	25	10-18
Deltapine DP 5414RR	41.7	1.0	1.0	31	10-16
Hutcheson	41.2	1.0	1.0	24	10-10
ES Trooper RR	39.3	1.0	1.0	23	10-19
ES Ranger RR	38.8	1.0	1.0	23	10-12
Croplan Genetics RC 5252	37.2	1.3	1.3	25	10-9
Croplan Genetics 590RR	36.2	1.0	1.0	28	10-20
Croplan Genetics RC 5454	34.6	1.0	1.0	26	10-17
Croplan Genetics YRC 56	33.1	1.0	1.0	23	10-16
ES Prairie RRI	27.0	1.0	1.0	26	10-9
Maturity Group VI					
AU 97-1637	50.2	1.0	1.0	21	10-19
Pioneer 96B21	50.2	1.0	1.0	27	10-18
Deltapine DP 6880 RR	47.0	1.0	1.0	34	10-19
Deltapine DP 6299RR	45.4	1.0	1.0	38	10-19
Musen	43.9	1.0	1.0	32	10-18
Croplan Genetics 6299RR	43.1	1.0	1.0	31	10-16
Dillon	42.9	1.0	1.0	32	10-19
Santee	42.0	1.0	1.0	30	10-22
AU 97-55	41.9	1.0	1.0	25	10-16
G99-G725	37.8	1.0	1.0	30	10-22
Maturity Group VII					
G99-G6682	51.7	1.3	1.0	38	10-22
Carver	48.9	1.0	1.3	33	10-19
Pioneer 97B52	48.0	1.0	1.0	34	10-22
Benning	47.4	1.0	1.0	32	10-22
Deltapine DP 7731	46.2	1.3	1.0	37	10-22
Haskell	45.8	1.5	1.0	36	10-23
Stonewall	45.0	1.0	1.0	28	10-21
AU 96-1693	41.1	1.0	1.0	32	10-22
Test Means	43.2	1.1	1.0	29	
L.S.D. (.05)	9.4				
C.V. (%)	15.4				

¹ This test was moderately damaged by deer grazing.

**TABLE 14. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL,
MARION JUNCTION, ALABAMA, THREE-YEAR SUMMARY, 1999-2001**

Brand-Variety	Yield Per Acre			3-Year Average			
	2001 <i>bu.</i>	2-Yr. Avg. <i>bu.</i>	3-Yr. Avg. <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	Maturity Date
Maturity Group V							
Croplan Genetics Robin 5	46.6	33.5	33.0	1.0	2.6	21	10-3
Hutcheson	41.2	29.9	28.2	1.0	3.0	21	9-30
Deltapine DP 5806 RR	45.1	31.9	—	—	—	—	—
Deltapine DPX 5915RR	44.9	31.6	—	—	—	—	—
Deltapine DP 5644 RR	41.9	30.4	—	—	—	—	—
Croplan Genetics 590RR	36.2	28.2	—	—	—	—	—
Deltapine DP 5110S	49.9	—	—	—	—	—	—
TN 96-58	46.8	—	—	—	—	—	—
Pioneer 95B96	44.7	—	—	—	—	—	—
ES Marshall RR	44.1	—	—	—	—	—	—
Croplan Genetics YRC 57	43.9	—	—	—	—	—	—
Pioneer 95B53	43.6	—	—	—	—	—	—
ES Punch RR	42.1	—	—	—	—	—	—
Deltapine DP 5414RR	41.7	—	—	—	—	—	—
ES Trooper RR	39.3	—	—	—	—	—	—
ES Ranger RR	38.8	—	—	—	—	—	—
Croplan Genetics RC 5252	37.2	—	—	—	—	—	—
Croplan Genetics RC 5454	34.6	—	—	—	—	—	—
Croplan Genetics YRC 56	33.1	—	—	—	—	—	—
ES Prairie RRI	27.0	—	—	—	—	—	—
Maturity Group VI							
Deltapine DP 6880 RR	47.0	35.7	35.4	1.1	1.9	32	10-17
Dillon	42.9	30.9	32.9	1.0	3.0	28	10-8
Musen	43.9	33.6	32.8	1.0	1.8	31	10-16
Croplan Genetics 6299RR	43.1	28.9	29.0	1.0	2.8	28	10-10
Pioneer 96B21	50.2	36.5	—	—	—	—	—
Santee	42.0	33.7	—	—	—	—	—
AU 97-1637	50.2	—	—	—	—	—	—
Deltapine DP 6299RR	45.4	—	—	—	—	—	—
AU 97-55	41.9	—	—	—	—	—	—
G99-G725	37.8	—	—	—	—	—	—
Maturity Group VII							
Haskell	45.8	34.6	36.7	1.6	1.0	31	10-21
Benning	47.4	36.0	35.6	1.1	1.5	31	10-20
Carver	48.9	35.1	34.9	1.0	3.0	31	10-17
Stonewall	45.0	34.6	33.6	1.0	1.8	27	10-19
Deltapine DP 7731	46.2	36.6	—	—	—	—	—
AU 96-1693	41.1	33.1	—	—	—	—	—
G99-G6682	51.7	—	—	—	—	—	—
Pioneer 97B52	48.0	—	—	—	—	—	—
Test Means	43.2	33.0	33.2	1.1	2.2	28	
L.S.D. (.05)	9.4						
C.V. (%)	15.4						

TABLE 15. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, 2001

Brand-Variety	Yield Per Acre <i>bu.</i>	Average			Maturity Date
		Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	
Maturity Group V					
Hutcheson	49.3	1.0	0.0	21	10-1
Deltapine DP 5806 RR	45.9	1.0	0.0	28	10-4
Croplan Genetics Robin 5	45.8	1.0	0.0	19	10-7
Pioneer 95B96	44.8	1.0	0.0	23	10-6
Croplan Genetics YRC 57	44.1	1.0	0.0	22	10-7
Croplan Genetics YRC 58	43.7	1.3	0.0	29	10-1
Deltapine DP 5414RR	43.4	1.0	0.0	28	10-1
Deltapine DP 5110S	43.4	1.3	0.0	34	9-26
Deltapine DPX 5915RR	41.8	1.0	0.0	22	10-2
Croplan Genetics 590RR	41.7	1.0	0.0	27	10-4
Croplan Genetics RC 5252	41.0	1.0	0.0	20	9-29
Deltapine DP 5644 RR	41.0	1.0	0.0	25	10-1
Croplan Genetics YRC 56	40.6	1.0	0.0	22	10-1
SS RT-5999N	40.6	1.0	0.0	30	10-1
Croplan Genetics RC 5454	37.9	1.0	0.0	20	9-30
Maturity Group VI					
Musen	48.9	1.0	0.0	27	10-13
AU 97-1637	48.2	1.3	0.0	24	10-5
Santee	47.3	1.3	0.0	32	10-9
Croplan Genetics 6299RR	47.0	1.0	0.0	27	10-6
SS RT-6999N	46.3	1.0	0.0	29	10-14
AU 97-55	46.1	1.0	0.0	24	10-8
USG 620NRR	45.7	1.0	0.0	25	10-8
G99-G725	43.4	1.0	0.0	23	10-9
Deltapine DP 6880 RR	42.9	1.0	0.0	28	10-6
SS RT-6299N	42.9	1.0	0.0	25	10-11
Pioneer 96B21	42.0	1.0	0.0	27	10-4
Dillon	41.2	1.0	0.0	24	10-5
Maturity Group VII					
Deltapine DP 7220RR	52.2	1.0	0.0	30	10-15
G99-G6682	46.8	1.0	0.0	28	10-9
Benning	46.7	1.0	0.0	25	10-9
SS RT 7499N	45.5	1.0	0.0	29	10-12
Pioneer 97B52	45.3	1.0	0.0	28	10-6
Stonewall	43.6	1.0	0.0	25	10-11
Haskell	43.1	1.5	0.0	27	10-8
Carver	42.5	1.0	0.0	23	10-5
AU 96-1693	40.8	1.5	0.0	28	10-9
Maturity Group VIII					
Prichard RR	53.7	1.0	0.0	32	10-20
Prichard	51.5	1.3	0.0	30	10-20
Kuell	47.8	1.8	0.0	33	10-16
AU 94 863	47.7	1.3	0.0	29	10-15
Cook	46.9	1.3	0.0	31	10-11
Test Means	44.9	1.1	0.0	26	
L.S.D. (.05)	5.6				
C.V. (%)	8.9				

**TABLE 16. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA,
THREE-YEAR SUMMARY, 1999-2001**

Brand-Variety	Yield Per Acre			3-Year Average			Maturity Date
	2001 <i>bu.</i>	2-Yr. Avg. <i>bu.</i>	3-Yr. Avg. <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	
Maturity Group V							
Hutcheson	49.3	48.1	52.3	1.0	0.2	21	9-15
Croplan Genetics Robin 5	45.8	43.9	50.3	1.0	0.5	21	9-20
Deltapine DP 5806 RR	45.9	45.8	—	—	—	—	—
Deltapine DPX 5915RR	41.8	45.0	—	—	—	—	—
Deltapine DP 5644 RR	41.0	40.1	—	—	—	—	—
Croplan Genetics 590RR	41.7	39.9	—	—	—	—	—
SS RT-5999N	40.6	36.4	—	—	—	—	—
Pioneer 95B96	44.8	—	—	—	—	—	—
Croplan Genetics YRC 57	44.1	—	—	—	—	—	—
Croplan Genetics YRC 58	43.7	—	—	—	—	—	—
Deltapine DP 5414RR	43.4	—	—	—	—	—	—
Deltapine DP 5110S	43.4	—	—	—	—	—	—
Croplan Genetics RC 5252	41.0	—	—	—	—	—	—
Croplan Genetics YRC 56	40.6	—	—	—	—	—	—
Croplan Genetics RC 5454	37.9	—	—	—	—	—	—
Maturity Group VI							
Musen	48.9	46.2	53.5	1.2	0.1	27	10-2
Deltapine DP 6880 RR	42.9	48.8	51.8	1.0	0.1	28	9-30
Dillon	41.2	45.8	51.6	1.0	0.1	27	9-22
Santee	47.3	53.2	—	—	—	—	—
SS RT-6999N	46.3	50.0	—	—	—	—	—
Croplan Genetics 6299RR	47.0	47.3	—	—	—	—	—
G99-G725	43.4	46.9	—	—	—	—	—
SS RT-6299N	42.9	41.0	—	—	—	—	—
AU 97-1637	48.2	—	—	—	—	—	—
AU 97-55	46.1	—	—	—	—	—	—
USG 620NRR	45.7	—	—	—	—	—	—
Pioneer 96B21	42.0	—	—	—	—	—	—
Maturity Group VII							
Benning	46.7	54.3	59.6	1.1	0.1	28	10-1
Carver	42.5	46.9	53.2	1.1	0.1	26	9-28
Haskell	43.1	49.3	52.3	1.2	0.1	29	10-1
Stonewall	43.6	47.0	51.5	1.0	0.1	26	10-1
DeltapineDP 7220RR	52.2	54.8	—	—	—	—	—
G99-G6682	46.8	51.8	—	—	—	—	—
SS RT 7499N	45.5	50.8	—	—	—	—	—
AU 96-1693	40.8	46.8	—	—	—	—	—
Pioneer 97B52	45.3	—	—	—	—	—	—
Maturity Group VIII							
Prichard	51.5	54.3	60.1	1.1	0.1	32	10-10
Kuell	47.8	54.3	59.7	1.5	0.2	32	10-7
Prichard RR	53.7	—	—	—	—	—	—
AU 94 863	47.7	—	—	—	—	—	—
Cook	46.9	—	—	—	—	—	—
Test Means	44.9	47.6	54.2	1.1	0.1	27	
L.S.D. (.05)	5.6						
C.V. (%)	8.9						

TABLE 17. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2001

Brand-Variety	Yield Per Acre ¹ <i>bu.</i>	Average			Maturity Date
		Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	
Maturity Group V					
Hutcheson	61.4	2.0	2.8	29	10-6
AgriPro/Garst 5512 RR/N	61.1	1.3	1.0	31	10-8
Deltapine DP 5806 RR	60.8	3.5	1.3	33	10-10
AgriPro/Garst XR0162N44	60.4	2.0	1.5	35	10-11
Croplan Genetics Robin 5	60.1	1.3	1.5	28	10-10
Croplan Genetics RC 5252	59.7	1.0	2.0	31	10-4
Croplan Genetics RC 5454	59.3	1.3	1.5	29	10-7
Deltapine DPX 5915RR	58.5	2.3	1.8	35	10-10
Pioneer 95B96	57.3	2.3	1.3	33	10-9
Croplan Genetics YRC 58	56.6	2.5	1.5	38	10-10
Pioneer 95B53	55.8	2.5	1.0	29	10-4
SS RT-5999N	55.7	2.8	2.0	37	10-9
Dyna-Gro 3582NRR	55.6	2.5	1.0	33	10-5
Deltapine DP 5414RR	55.6	2.5	2.5	37	10-5
Deltapine DP 5644 RR	55.4	2.5	1.5	31	10-5
Croplan Genetics 590RR	55.4	2.5	1.3	35	10-8
Dyna-Gro 3562NRR	54.5	2.8	2.8	30	10-8
Croplan Genetics YRC 57	54.0	2.5	1.5	30	10-12
Croplan Genetics YRC 56	52.2	2.0	2.3	29	10-7
Deltapine DP 5110S	50.3	3.3	2.0	41	10-3
Dyna-Gro 3518NRR	49.6	1.5	2.8	32	10-3
Maturity Group VI					
AU 97-1637	63.8	2.0	2.0	30	10-15
AU 97-55	60.0	3.0	1.3	34	10-14
Deltapine DP 6299RR	57.6	3.8	1.8	33	10-15
Dillon	57.4	2.5	1.8	36	10-11
SS RT-6299N	56.9	2.0	1.5	37	10-20
Deltapine DP 6880 RR	56.5	2.8	1.0	34	10-16
Dyna-Gro 3614NRR	55.5	2.5	1.0	35	10-12
Musen	55.5	3.3	1.0	34	10-19
Pioneer 96B21	55.4	2.3	1.0	35	10-10
G99-G725	53.9	2.3	1.3	33	10-15
SS RT-6999N	53.7	2.3	1.0	35	10-21
Santee	52.2	2.0	1.0	41	10-19
Croplan Genetics 6299RR	51.8	1.5	1.0	38	10-11
Maturity Group VII					
Deltapine DP 7731	63.3	2.8	1.3	36	10-21
G99-G6682	62.4	3.0	1.0	34	10-24
AU 96-1693	61.4	2.8	1.3	37	10-24
Deltapine DP 7220RR	61.4	2.5	1.3	38	10-25
Benning	60.4	3.0	1.0	32	10-18
Carver	58.2	1.5	1.5	32	10-15
Pioneer 97B52	55.1	2.3	1.0	33	10-17
Stonewall	54.1	2.0	1.0	33	10-21
Haskell	53.2	2.8	1.5	31	10-13
SS RT 7499N	50.6	2.0	1.0	36	10-24

continued

TABLE 17, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2001

Brand-Variety	Yield Per Acre ¹ <i>bu.</i>	Average			Maturity Date
		Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	
Maturity Group VIII					
Cook	59.4	3.5	1.0	36	10-27
AU 94 863	59.4	3.5	1.3	34	10-23
Kuell	59.0	3.8	1.0	36	10-28
Prichard	57.0	3.0	1.0	38	10-29
Prichard RR	53.5	3.8	1.0	40	10-30
Test Means	56.9	2.5	1.4	34	
L.S.D. (.05)	4.2				
C.V. (%)	5.3				

TABLE 18. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, THREE-YEAR SUMMARY, 1999-2001

Brand-Variety	Yield Per Acre			3-Year Average			Maturity Date
	2001 <i>bu.</i>	2-Yr. Avg. <i>bu.</i>	3-Yr. Avg. <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	
Maturity Group V							
Hutcheson	61.4	39.4	44.6	1.3	3.0	28	9-27
Croplan Genetics Robin 5	60.1	36.5	41.9	1.1	3.1	24	10-2
Deltapine DP 5644 RR	55.4	36.5	41.1	1.7	1.7	31	9-28
Deltapine DP 5806 RR	60.8	43.1	—	—	—	—	—
Deltapine DPX 5915RR	58.5	40.3	—	—	—	—	—
SS RT-5999N	55.7	37.6	—	—	—	—	—
Croplan Genetics 590RR	55.4	37.1	—	—	—	—	—
AgriPro/Garst 5512 RR/N	61.1	—	—	—	—	—	—
AgriPro/Garst XR0162N44	60.4	—	—	—	—	—	—
Croplan Genetics RC 5252	59.7	—	—	—	—	—	—
Croplan Genetics RC 5454	59.3	—	—	—	—	—	—
Pioneer 95B96	57.3	—	—	—	—	—	—
Croplan Genetics YRC 58	56.6	—	—	—	—	—	—
Pioneer 95B53	55.8	—	—	—	—	—	—
Dyna-Gro 3582NRR	55.6	—	—	—	—	—	—
Deltapine DP 5414RR	55.6	—	—	—	—	—	—
Dyna-Gro 3562NRR	54.5	—	—	—	—	—	—
Croplan Genetics YRC 57	54.0	—	—	—	—	—	—
Croplan Genetics YRC 56	52.2	—	—	—	—	—	—
Deltapine DP 5110S	50.3	—	—	—	—	—	—
Dyna-Gro 3518NRR	49.6	—	—	—	—	—	—
Maturity Group VI							
Musen	55.5	43.0	46.1	1.8	1.2	31	10-16
Dillon	57.4	40.7	44.0	1.5	1.8	33	10-8
Deltapine DP 6880 RR	56.5	39.5	42.2	1.7	1.0	34	10-13
Santee	52.2	40.4	—	—	—	—	—
Dyna-Gro 3614NRR	55.5	39.8	—	—	—	—	—
G99-G725	53.9	37.8	—	—	—	—	—
SS RT-6999N	53.7	36.5	—	—	—	—	—
SS RT-6299N	56.9	36.1	—	—	—	—	—
Croplan Genetics 6299RR	51.8	35.1	—	—	—	—	—

continued

**TABLE 18, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA,
THREE-YEAR SUMMARY, 1999-2001**

Brand-Variety	Yield Per Acre			3-Year Average			
	2001 <i>bu.</i>	2-Yr. Avg. <i>bu.</i>	3-Yr. Avg. <i>bu.</i>	Lodging Score	Shattering Score	Plant Height (<i>in.</i>)	Maturity Date
Maturity Group VI, continued							
AU 97-1637	63.8	—	—	—	—	—	—
AU 97-55	60.0	—	—	—	—	—	—
Deltapine DP 6299RR	57.6	—	—	—	—	—	—
Pioneer 96B21	55.4	—	—	—	—	—	—
Maturity Group VII							
Deltapine DP 7731	63.3	44.8	49.6	1.8	1.1	33	10-18
Benning	60.4	44.0	47.0	1.8	1.0	33	10-15
Carver	58.2	41.0	45.6	1.2	1.8	30	10-12
Haskell	53.2	38.9	43.8	2.1	1.2	31	10-16
Stonewall	54.1	38.2	42.9	1.3	1.3	30	10-16
AU 96-1693	61.4	44.9	—	—	—	—	—
Deltapine DP 7220RR	61.4	44.3	—	—	—	—	—
G99-G6682	62.4	44.0	—	—	—	—	—
SS RT 7499N	50.6	38.9	—	—	—	—	—
Pioneer 97B52	55.1	—	—	—	—	—	—
Maturity Group VIII							
Kuell	59.0	46.2	47.0	2.4	1.3	35	10-25
Prichard	57.0	42.0	43.8	2.0	1.0	35	10-25
Cook	59.4	—	—	—	—	—	—
AU 94 863	59.4	—	—	—	—	—	—
Prichard RR	53.5	—	—	—	—	—	—
Test Means	56.9	40.2	44.6	1.7	1.6	31	
L.S.D. (.05)	4.2						
C.V. (%)	5.3						

TABLE 19. ENTRIES AND SOURCES FOR 2001

Company	Brand-Variety
AG South Genetics, LLC Dunwoody, Georgia	Prichard RR
Alabama Crop Imp. Assoc. Auburn, Alabama	Hutcheson
Armor Seed Company Fisher, Arkansas	Armor brand varieties
Delta and Pine Land Company Scott, Mississippi	Deltapine, SG brand varieties
Delta King Seed Co. McCrary, Arkansas	Delta King brand varieties
Department of Agronomy and Soils Auburn University, Alabama	AU 97-55, AU 96-1637, AU 96-1693
Eagle Seed Co. Weiner, Arkansas	ES brand varieties
Escambia Farm and Seed Co. Atmore, Alabama	Carver Stonewall
Garst Seed Co. Memphis, Tennessee	AgriPro /Garst brand varieties
Golden Harvest Seed Company Clinton, Illinois	Golden Harvest brand varieties
Land O' Lakes Memphis, Tennessee	Croplan Genetics brand varieties
Pioneer Hi-Bred International, Inc. Huntsville, Alabama	Pioneer brand varieties
South Carolina Foundation Seed Assoc. Clemson, South Carolina	Dillon, Musen Santee (formerly SC 91-2007)
Southern Elite Genetics Assoc. Statesboro, Georgia	Benning, Haskell, Prichard
Southern States Coop. Richmond, Virginia	SS brand varieties
UniSouth Genetics, Inc. Nashville, Tennessee	USG brand varieties
United Agri-Products Madison, Alabama	Dyna-Gro brand varieties
University of Georgia Athens, Georgia	G99-G725, G99-G6682, Cook
University of Tennessee Knoxville, Tennessee	TN 96-58