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Performance of Soybean Varieties in Alabama, 2000

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Performance of Soybean Varieties in Alabama, 2000

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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 2000 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. The very early planted test at Brewton was not planted due to lack of soil moisture at the normal early planting time. The Group IV test at Crossville was lost to drought conditions. The Sumter soil test at Marion Junction was not harvested due to drought and severe iron chlorosis.

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 2000 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

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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 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 2000

Location	Test Type	Planting Date	Row Width	Herbicide	Fertilizer
Belle Mina	Group IV	April 26	7	Treflan	none recommended
	Standard	June 6	30	Treflan	none recommended
Crossville	Group IV	Abandoned test due to drought			
	Standard	May 25	30	Scepter, Dual	300 lb. 0-20-20/acre
Prattville	Standard	June 6	30	Prowl	none recommended
Shorter	Standard	June 1	30	Dual	none recommended
Marion Junction	Standard (Sumter)	May 24	36	Scepter	none recommended
	Standard (Vaiden)	May 24	36	Scepter	none recommended
Brewton	Early	Not planted due to drought			
	Standard	May 16	36	Dual	400 lb. 5-10-15/acre
Fairhope	Standard	June 7	38	Dual	165 lb. 0-24-24/acre

TABLE 2. SOIL TYPES FOR SOYBEAN TESTS, 2000

Test Location	Soil Type
Belle Mina	Emory silt loam
Crossville	Wynnville fine sandy loam
Prattville	Lucedale fine sandy loam
Shorter	Norfolk 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, 2000

Month	Days	Belle Mina *in.*	Crossville *in.*	Shorter *in.*	Prattville *in.*	Marion Junction *in.*	Brewton *in.*	Fairhope *in.*
May	1-5	0.00	0.15	0.00	0.00	0.00	0.00	0.00
	6-10	0.12	0.12	0.00	0.00	0.05	0.00	0.00
	11-15	0.00	0.00	0.00	0.00	0.00	0.88	0.09
	16-20	0.00	0.26	0.00	0.00	0.00	0.00	0.00
	21-25	0.34	0.61	0.42	0.43	0.72	3.15	0.13
	26-31	0.27	0.52	1.33	0.17	0.00	0.04	0.43
		0.73	1.66	1.75	0.60	0.77	4.07	0.65
June	1-5	0.46	0.00	0.10	0.00	0.40	0.25	0.02
	6-10	0.15	0.00	0.22	0.55	0.80	0.05	0.30
	11-15	0.11	0.00	0.08	0.23	0.01	0.52	0.45
	16-20	0.96	1.64	1.14	1.69	0.85	0.96	2.25
	21-25	0.73	1.33	0.00	0.02	0.10	1.44	0.04
	26-30	1.69	1.43	0.05	0.09	0.50	5.43	1.15
		4.10	4.40	1.59	2.58	2.66	8.65	4.21
July	1-5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6-10	0.23	0.00	0.05	0.00	0.00	0.00	0.00
	11-15	0.05	0.00	0.00	0.65	0.14	0.33	1.18
	16-20	0.00	0.00	0.00	0.00	0.00	0.15	0.00
	21-25	0.40	0.18	0.87	1.39	0.03	0.47	2.03
	26-31	0.06	0.66	0.08	0.31	0.67	2.46	0.00
		0.74	0.88	1.00	2.35	0.84	3.41	3.21
August	1-5	1.10	0.15	1.07	0.54	1.55	2.99	0.71
	6-10	0.16	0.00	0.14	0.00	0.01	0.39	0.72
	11-15	1.04	0.10	0.76	0.42	0.60	0.40	0.50
	16-20	0.00	0.00	0.15	0.00	0.00	0.15	0.00
	21-25	0.00	0.00	0.00	0.00	0.00	0.24	1.01
	26-31	0.35	1.49	0.27	0.14	0.00	0.28	0.08
		2.65	1.74	2.39	1.10	2.16	4.45	3.02
September	1-5	0.00	0.58	2.30	5.68	0.00	1.62	3.20
	6-10	0.02	0.19	0.73	0.93	0.67	1.88	2.61
	11-15	0.02	0.53	0.04	0.30	0.04	0.61	0.03
	16-20	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	21-25	1.40	2.38	0.83	0.19	3.34	0.94	3.13
	26-30	0.27	0.31	0.00	0.22	0.00	0.26	0.45
		1.71	3.99	3.90	7.32	4.05	5.31	9.43
October	1-5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6-10	0.00	0.26	0.65	0.46	1.21	1.10	0.34
	11-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	16-20	0.00	0.00	0.02	0.00	0.00	0.00	0.00
	21-25	0.02	0.02	0.00	0.00	0.15	0.00	0.00
	26-31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.02	0.28	0.67	0.46	1.36	1.10	0.34

TABLE 4. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN NORTHERN ALABAMA[1], 2000

Brand-Variety	Yield Per Acre *bu.*	Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
		Maturity Group IV			
SS XP 4899	26.6	1.0	1.0	24	9-5
Delta King 4868RR	25.9	1.0	1.0	22	9-6
Deltapine DP 4748S	24.2	1.0	3.0	25	9-6
Delta King 4762RR	23.7	1.0	1.0	24	9-5
SS 495	23.6	1.0	1.0	24	9-5
SS 4985-STS	23.5	1.0	1.0	20	9-8
AgriPro 4882	23.2	1.0	1.0	22	9-6
Deltapine DP 4690RR	22.9	1.0	1.0	22	9-5
AgriPro 4888RR	22.9	1.0	1.0	22	9-5
SS RT 4980	21.7	1.0	1.0	22	9-5
Croplan Genetics 466RR	21.4	1.0	1.0	24	9-5
Dyna-Gro 3482NRR	21.2	1.0	1.0	22	9-5
Delta King 4711	21.0	1.0	1.0	23	9-5
Pioneer 9492	20.9	1.0	1.0	19	8-30
Garst D485	20.6	1.0	1.0	20	9-5
Croplan Genetics 4979RR	20.1	1.0	1.0	27	9-6
Sure-Grow 498 RR	19.6	1.0	1.0	17	9-5
Garst 484RR/N	19.3	1.0	1.0	23	9-5
Croplan Genetics 480RR	18.8	1.0	1.3	22	9-5
SS RT-446N	16.8	1.0	2.0	20	8-30
SS 439	15.8	1.0	3.8	24	8-30
		Maturity Group V			
SS 517N	23.7	1.0	1.0	21	9-7
Test Means	***21.7***	***1.0***	***1.3***	***22***	
L.S.D. (.05)	***3.8***				
C.V. (%)	***12.4***				

[1]Belle Mina only.

TABLE 5. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2000

Brand-Variety	Yield Per Acre		Regional Average			
	Belle Mina *bu.*	Crossville *bu.*	Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
Maturity Group V						
TN 93-99	19.7	29.9	1.0	1.0	25	10-8
Pioneer 9594	18.5	27.6	1.2	1.0	32	10-9
Deltapine DPX 5915RR	17.4	29.9	1.0	1.0	30	10-9
TN 94-213	17.1	26.9	1.0	1.2	24	10-5
SS XP 5709N	17.1	25.8	1.2	1.3	29	10-6
Delta King 5465RR	16.9	25.7	1.0	1.7	28	10-4
Delta King 5762RR	16.8	28.9	1.2	1.0	34	10-8
Pioneer 95B53	16.6	27.8	1.0	1.2	28	10-3
SS XPRT-46704	16.5	27.1	1.0	1.3	29	10-4
Hutcheson	16.4	25.2	1.0	1.2	26	10-8
Croplan Genetics Robin 5	16.2	25.7	1.0	1.0	24	10-6
Pioneer 95B95	16.2	31.9	1.0	1.0	31	10-8
Delta King 5366RR	16.1	26.3	1.2	1.0	33	10-6
AgriPro/Garst 569RR/N	15.9	32.0	1.0	1.0	29	10-9
Delta King 5995	15.8	28.5	1.0	1.0	30	10-9
Croplan Genetics 556RR	15.6	24.6	1.2	2.2	27	10-4
Pioneer 95B32	15.6	24.1	1.0	1.2	28	9-29
Delta King 5267RR	15.6	22.9	1.3	2.5	33	10-3
AgriPro/Garst 574	15.3	27.6	1.0	1.0	30	10-9
SS RT-5999N	15.3	30.8	1.0	1.0	33	10-7
SS RT-587N	15.1	27.4	1.2	1.0	30	10-8
Delta King 5961 RR	15.1	31.2	1.0	1.0	28	10-10
Dyna-Gro 3535NRR	14.8	25.7	1.0	1.5	30	10-6
Deltapine DP 5644 RR	14.5	23.9	1.0	1.0	30	10-4
Dyna-Gro 3521NRR	14.3	23.4	1.0	2.0	31	10-6
SS XP5409N	14.3	31.2	1.0	1.8	29	10-1
SS 597N	14.2	28.5	1.0	1.0	28	10-10
Pioneer 95B33	14.0	23.0	1.0	2.0	27	10-5
Dyna-Gro 3582NRR	13.9	27.7	1.2	1.0	32	10-8
SS RT-5399	13.7	22.1	1.0	2.0	28	10-6
Delta King 5668RR	13.6	28.2	1.2	1.0	29	10-6
Delta King 5661RR	13.6	25.8	1.0	1.7	28	10-8
SS XP47576-STS	13.1	26.3	1.0	1.2	29	10-4
Croplan Genetics 5770RR	13.0	27.3	1.0	1.2	31	10-10
SS XPRT-5609	13.0	22.9	1.0	1.7	28	10-7
SS RT-557N	12.9	25.7	1.0	1.0	29	10-5
Delta King 5850	12.9	25.2	1.0	1.2	31	10-8
Deltapine DP 5806 RR	12.4	28.4	1.0	1.0	30	10-9
AgriPro/Garst 588RR	12.2	28.9	1.0	1.0	30	10-9
Croplan Genetics 590RR	11.5	30.0	1.0	1.0	31	10-9
SS 517N	9.3	22.3	1.0	2.3	27	9-30

continued

TABLE 5, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2000

Brand-Variety	Yield Per Acre		Regional Average			
	Belle Mina *bu.*	Crossville *bu.*	Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
Maturity Group VI						
Dillon	16.2	27.1	1.2	1.0	32	10-12
Musen	15.5	28.1	1.0	1.0	29	10-15
TN 93-142-17	14.6	29.3	1.1	1.0	30	10-13
SS RT-6299N	14.0	26.0	1.0	1.0	31	10-13
Pioneer 9692	13.7	30.2	1.0	1.0	29	10-16
Croplan Genetics 6299RR	13.5	23.3	1.0	1.0	32	10-12
AU 96-507	13.4	25.6	1.0	1.2	27	10-9
Pioneer 96B21	13.1	26.4	1.1	1.0	31	10-11
AU 96-1353	10.9	27.3	1.5	1.0	30	10-13
Croplan Genetics 678	10.8	26.4	1.4	1.0	32	10-17
SC 91-2007	9.6	27.7	1.2	1.0	32	10-15
Maturity Group VII						
AU 96-1693	13.5	25.2	1.0	1.0	26	10-17
Stonewall	12.1	29.0	1.0	1.0	30	10-18
Haskell	11.8	26.4	1.3	1.0	32	10-15
Carver	11.2	28.3	1.0	1.0	28	10-15
Benning	9.7	30.0	1.3	1.0	30	10-14
Test Means	***14.3***	***27.0***	***1.1***	***1.2***	***29***	
L.S.D. (.05)	***3.8***	***5.9***				
C.V. (%)	***18.8***	***15.7***				

TABLE 6. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, THREE-YEAR SUMMARY, 1998-2000

Brand-Variety	Yield Per Acre			3-Year Average			
	2000 *bu.*	2-Yr. Avg. *bu.*	3-Yr. Avg. *bu.*	Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
Maturity Group V							
Pioneer 95B33	18.5	20.9	22.8	1.1	1.5	30	9-29
Hutcheson	20.8	22.1	22.6	1.0	1.1	29	10-4
Pioneer 9594	23.1	21.3	21.5	1.5	1.0	34	10-4
AgriPro/Garst 588RR	20.6	20.5	21.3	1.0	1.0	33	10-5
Croplan Genetics Robin 5	21.0	21.5	20.9	1.1	1.0	28	10-6
Delta King 5961 RR	23.1	21.2	20.5	1.1	1.0	32	10-7
Deltapine DP 5644 RR	19.2	19.6	20.3	1.1	1.0	33	10-2
AgriPro/Garst 574	21.5	19.8	20.0	1.3	1.0	32	10-5
Delta King 5762RR	22.8	22.1	–	–	–	–	–
Pioneer 95B53	22.2	21.5	–	–	–	–	–
SS RT-587N	21.2	21.2	–	–	–	–	–
Pioneer 95B32	19.9	20.9	–	–	–	–	–
Delta King 5995	22.1	20.8	–	–	–	–	–
Delta King 5661RR	19.7	20.6	–	–	–	–	–
Delta King 5850	19.1	20.5	–	–	–	–	–
SS RT-557N	19.3	19.8	–	–	–	–	–
SS 517N	15.8	19.5	–	–	–	–	–

continued

TABLE 6, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES IN NORTHERN ALABAMA, THREE-YEAR SUMMARY, 1998-2000

Brand-Variety	Yield Per Acre			3-Year Average			
	2000 *bu.*	2-Yr. Avg. *bu.*	3-Yr. Avg. *bu.*	Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
Maturity Group V							
TN 93-99	24.8	–	–	–	–	–	–
Pioneer 95B95	24.0	–	–	–	–	–	–
AgriPro/Garst 569RR/N	23.9	–	–	–	–	–	–
Deltapine DPX 5915RR	23.6	–	–	–	–	–	–
SS RT-5999N	23.0	–	–	–	–	–	–
SS XP5409N	22.7	–	–	–	–	–	–
TN 94-213	22.0	–	–	–	–	–	–
SS XPRT-46704	21.8	–	–	–	–	–	–
SS XP 5709N	21.5	–	–	–	–	–	–
SS 597N	21.4	–	–	–	–	–	–
Delta King 5465RR	21.3	–	–	–	–	–	–
Delta King 5366RR	21.2	–	–	–	–	–	–
Delta King 5668RR	20.9	–	–	–	–	–	–
Dyna-Gro 3582NRR	20.8	–	–	–	–	–	–
Croplan Genetics 590RR	20.7	–	–	–	–	–	–
Deltapine DP 5806 RR	20.4	–	–	–	–	–	–
Dyna-Gro 3535NRR	20.2	–	–	–	–	–	–
Croplan Genetics 5770RR	20.1	–	–	–	–	–	–
Croplan Genetics 556RR	20.1	–	–	–	–	–	–
SS XP47576-STS	19.7	–	–	–	–	–	–
Delta King 5267RR	19.2	–	–	–	–	–	–
Dyna-Gro 3521NRR	18.8	–	–	–	–	–	–
SS XPRT-5609	17.9	–	–	–	–	–	–
SS RT-5399	17.9	–	–	–	–		
Maturity Group VI							
Pioneer 9692	21.9	20.6	19.5	1.0	1.0	33	10-16
Musen	21.8	19.1	18.4	1.1	1.0	34	10-16
Dillon	21.6	18.7	18.3	1.1	1.0	33	10-9
TN 93-142-17	22.0	–	–	–	–	–	–
SS RT-6299N	20.0	–	–	–	–	–	–
Pioneer 96B21	19.7	–	–	–	–	–	–
AU 96-507	19.5	–	–	–	–	–	–
AU 96-1353	19.1	–	–	–	–	–	–
SC 91-2007	18.6	–	–	–	–	–	–
Croplan Genetics 678	18.6	–	–	–	–	–	–
Croplan Genetics 6299RR	18.4	–	–	–	–	–	–
Maturity Group VII							
Stonewall	20.6	–	–	–	–	–	–
Benning	19.9	–	–	–	–	–	–
Carver	19.7	–	–	–	–	–	–
AU 96-1693	19.4	–	–	–	–	–	–
Haskell	19.1	–	–	–	–	–	–
Test Means	***20.7***	***20.6***	***20.6***	***1.1***	***1.1***	***32***	
L.S.D. (.05)	***5.2***						
C.V. (%)	***18.0***						

TABLE 7. PERFORMANCE OF SOYBEAN VARIETIES AT PRATTVILLE, ALABAMA, 2000

Brand-Variety	Yield Per Acre *bu.*	Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
		Maturity Group V			
Croplan Genetics 590RR	20.3	1.0	1.8	21	10-13
Croplan Genetics Robin 5	20.3	1.0	2.5	18	10-13
Dyna-Gro 3562NRR	19.3	1.0	2.0	20	10-14
Dyna-Gro 3582NRR	19.1	1.0	1.8	21	10-12
Hutcheson	17.6	1.0	2.0	18	10-14
TN 94-213	17.3	1.0	2.0	15	10-14
Croplan Genetics 5770RR	17.2	1.0	1.8	20	10-12
Croplan Genetics 556RR	16.0	1.0	2.5	15	10-14
TN 93-99	11.6	1.0	1.8	16	10-14
		Maturity Group VI			
Musen	24.0	1.0	1.3	23	10-20
SC 91-2007	22.7	1.0	1.0	27	10-20
Pioneer 9692	21.7	1.0	1.0	24	10-19
Dillon	20.1	1.0	1.8	24	10-17
Croplan Genetics 6299RR	19.7	1.0	1.8	23	10-16
Croplan Genetics 678	19.3	1.0	1.5	25	10-18
TN 93-142-17	13.8	1.0	1.3	21	10-16
		Maturity Group VII			
Carver	23.8	1.0	1.3	21	10-19
Haskell	21.3	1.0	1.0	28	10-20
Stonewall	19.9	1.0	1.0	23	10-20
Benning	19.3	1.0	1.5	24	10-20
Test Means	***19.2***	***1.0***	***1.6***	***21***	
L.S.D. (.05)	***6.3***				
C.V. (%)	***23.3***				

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES AT PRATTVILLE, ALABAMA, THREE-YEAR SUMMARY, 1998-2000

Brand-Variety	Yield Per Acre			3-Year Average			
	1998 *bu.*	2-Yr. Avg. *bu.*	3-Yr. Avg. *bu.*	Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
Maturity Group V							
Croplan Genetics Robin 5	20.3	32.4	31.2	1.0	1.5	18	10-1
Hutcheson	17.6	27.6	29.2	1.0	1.3	18	10-3
Croplan Genetics 556RR	16.0	28.5	–	–	–	–	–
Croplan Genetics 590RR	20.3	–	–	–	–	–	–
Dyna-Gro 3562NRR	19.3	–	–	–	–	–	–
Dyna-Gro 3582NRR	19.1	–	–	–	–	–	–
TN 94-213	17.3	–	–	–	–	–	–
Croplan Genetics 5770RR	17.2	–	–	–	–	–	–
TN 93-99	11.6	–	–	–	–	–	–
Maturity Group VI							
Musen	24.0	28.9	29.6	1.0	1.1	24	10-16
Dillon	20.1	30.8	28.9	1.0	1.3	24	10-8
Pioneer 9692	21.7	25.8	27.5	1.0	1.0	23	10-14
Croplan Genetics 678	19.3	28.5	26.1	1.0	1.2	25	10-12
SC 91-2007	22.7	–	–	–	–	–	–
Croplan Genetics 6299RR	19.7	–	–	–	–	–	–
TN 93-142-17	13.8	–	–	–	–	–	–
Maturity Group VII							
Carver	23.8	27.9	29.7	1.0	1.9	23	10-12
Stonewall	19.9	26.8	27.3	1.0	1.8	23	10-6
Benning	19.3	27.5	26.7	1.0	1.2	23	10-17
Haskell	21.3	28.1	25.2	1.1	1.0	25	10-17
Test Means	***19.2***	***28.4***	***28.1***	***1.0***	***1.3***	***23***	
L.S.D. (.05)	***6.3***						
C.V. (%)	***23.3***						

TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 2000

Brand-Variety	Yield Per Acre *bu.*	Average Lodging Score	Average Shattering Score	Average Plant Height *(in.)*	Average Maturity Date
Maturity Group V					
Pioneer 9594	22.7	1.5	4.8	27	9-24
SS 597N	22.2	1.0	5.0	28	10-3
Pioneer 95B95	20.8	1.0	5.0	28	9-25
Croplan Genetics Robin 5	20.3	1.0	4.3	24	9-25
Croplan Genetics 590RR	20.2	1.5	4.8	31	9-26
SS RT-587N	19.8	1.0	5.0	29	9-28
Eagle Seed ES 5901	19.5	2.5	4.3	34	10-5
Deltapine DP 5655	19.4	2.5	4.8	36	9-25
Deltapine DP 5644 RR	18.9	1.3	5.0	31	9-24
Eagle Seed ES 5000RR	18.7	1.0	5.0	32	10-1
SS XP 5709N	18.7	1.0	5.0	29	9-25
Hutcheson	18.6	1.0	5.0	22	9-25
Deltapine DP 5806 RR	18.6	1.3	5.0	28	10-3
Deltapine DPX 5915RR	18.4	1.0	5.0	28	9-26
SS RT-5999N	17.9	1.5	5.0	33	9-30
SS XP47576-STS	17.9	1.0	5.0	25	9-22
Eagle Seed ES 5903RR	17.5	1.0	5.0	31	9-30
SS RT-557N	17.5	1.0	4.8	29	9-29
Eagle Seed ES 5700RR	15.9	1.0	4.8	26	10-2
SS XPRT-5609	15.5	1.0	5.0	27	10-1
SS XPRT-46704	14.6	1.0	5.0	32	9-25
Deltapine DP 5354	14.2	1.3	5.0	31	9-23
Croplan Genetics 5770RR	14.1	1.0	5.0	26	10-3
Eagle Seed ES 4900RR	13.6	1.0	5.0	21	9-26
SS XP5409N	13.0	1.3	5.0	25	9-23
SS RT-5399	12.9	1.0	4.0	23	9-27
Croplan Genetics 556RR	12.2	1.0	5.0	22	9-23
Eagle Seed ES 4902RR	11.1	1.0	5.0	24	9-23
Maturity Group VI					
SC 91-2007	25.5	1.8	1.8	36	10-23
Deltapine DP 6880 RR	24.4	1.3	2.8	34	10-20
Musen	23.3	1.0	2.5	31	10-16
Eagle Seed ES 6000	23.0	1.8	3.3	37	10-22
Pioneer 96B21	22.9	1.0	5.0	33	9-28
SS 696	22.6	1.0	3.5	32	10-24
SS RT-6999N	21.8	1.0	2.0	32	10-25
Pioneer 9692	21.6	1.0	3.5	31	10-21
Eagle Seed ES 6201	21.1	1.3	1.5	28	10-21
Croplan Genetics 678	20.9	1.8	4.3	36	10-21
Eagle Seed ES 6800	20.3	1.0	2.8	28	10-24
Eagle Seed ES 5707RR	19.7	1.3	5.0	33	9-30
SS 688	19.6	1.0	4.3	25	10-14
AU 96-1353	19.2	1.3	2.8	28	10-21
Dillon	18.9	1.0	5.0	28	10-3
Eagle Seed ES 6400	18.7	1.0	3.5	28	10-16
Eagle Seed ES 5902RR	18.3	1.3	5.0	29	10-5
AU 96-507	18.3	1.0	5.0	26	10-1

continued

TABLE 9, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 2000

Brand-Variety	Yield Per Acre *bu.*	Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
		Maturity Group VI			
Eagle Seed ES 5706RR	15.1	1.0	4.3	34	10-7
Croplan Genetics 6299RR	14.7	1.0	4.5	30	10-11
Eagle Seed ES 5708RR	14.4	1.0	4.3	28	10-10
		Maturity Group VII			
Deltapine DP 7731	27.1	1.8	1.8	36	10-24
AU 96-1693	25.1	1.3	2.0	29	10-16
Benning	24.6	1.3	2.0	33	10-24
Stonewall	24.2	1.0	2.5	31	10-22
AU 96-205	23.8	1.0	4.0	28	10-24
Haskell	23.3	2.3	1.0	31	10-24
Eagle Seed ES 6203	22.3	1.3	2.0	33	10-24
Carver	21.3	1.0	4.8	33	10-21
SS 731N	21.2	1.0	3.3	31	10-23
SS RT 7499N	21.1	1.0	2.8	30	10-24
Test Means	***19.4***	***1.2***	***4.0***	***29***	
L.S.D. (.05)	***3.7***				
C.V. (%)	***13.7***				

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, THREE-YEAR SUMMARY, 1998-2000

Brand-Variety	Yield Per Acre 2000 *bu.*	Yield Per Acre 2-Yr. Avg. *bu.*	Yield Per Acre 3-Yr. Avg. *bu.*	3-Year Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
			Maturity Group V				
Croplan Genetics Robin 5	20.3	26.3	28.5	1.0	4.3	21	9-29
Hutcheson	18.6	21.6	24.9	1.0	5.0	19	9-29
Deltapine DP 5655	19.4	27.8	–	–	–	–	–
Deltapine DP 5354	14.2	22.4	–	–	–	–	–
Croplan Genetics 5770RR	14.1	20.4	–	–	–	–	–
Croplan Genetics 556RR	12.2	18.5	–	–	–	–	–
Pioneer 9594	22.7	–	–	–	–	–	–
SS 597N	22.2	–	–	–	–	–	–
Pioneer 95B95	20.8	–	–	–	–	–	–
Croplan Genetics 590RR	20.2	–	–	–	–	–	–
SS RT-587N	19.8	–	–	–	–	–	–
Eagle Seed ES 5901	19.5	–	–	–	–	–	–
Deltapine DP 5644 RR	18.9	–	–	–	–	–	–
Eagle Seed ES 5000RR	18.7	–	–	–	–	–	–
SS XP 5709N	18.7	–	–	–	–	–	–
Deltapine DP 5806 RR	18.6	–	–	–	–	–	–
Deltapine DPX 5915RR	18.4	–	–	–	–	–	–

continued

TABLE 10, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, THREE-YEAR SUMMARY, 1998-2000

Brand-Variety	Yield Per Acre 2000 *bu.*	Yield Per Acre 2-Yr. Avg. *bu.*	Yield Per Acre 3-Yr. Avg. *bu.*	3-Year Average Lodging Score	3-Year Average Shattering Score	3-Year Average Plant Height *(in.)*	3-Year Average Maturity Date
Maturity Group V							
SS RT-5999N	17.9	–	–	–	–	–	–
SS XP47576-STS	17.9	–	–	–	–	–	–
Eagle Seed ES 5903RR	17.5	–	–	–	–	–	–
SS RT-557N	17.5	–	–	–	–	–	–
Eagle Seed ES 5700RR	15.9	–	–	–	–	–	–
SS XPRT-5609	15.5	–	–	–	–	–	–
SS XPRT-46704	14.6	–	–	–	–	–	–
Eagle Seed ES 4900RR	13.6	–	–	–	–	–	–
SS XP5409N	13.0	–	–	–	–	–	–
SS RT-5399	12.9	–	–	–	–	–	–
Eagle Seed ES 4902RR	11.1	–	–	–	–	–	–
Maturity Group VI							
Pioneer 9692	21.6	29.7	33.6	1.1	3.5	28	10-19
Croplan Genetics 678	20.9	28.9	32.4	1.3	4.3	32	10-15
Deltapine DP 6880 RR	24.4	29.6	32.2	1.1	2.8	31	10-17
Dillon	18.9	27.8	31.6	1.0	5.0	26	10-5
Musen	23.3	27.3	29.9	1.0	2.5	29	10-16
SS 688	19.6	26.6	–	–	–	–	–
Croplan Genetics 6299RR	14.7	22.0	–	–	–	–	–
AU 96-507	18.3	21.1	–	–	–	–	–
SC 91-2007	25.5	–	–	–	–	–	–
Eagle Seed ES 6000	23.0	–	–	–	–	–	–
Pioneer 96B21	22.9	–	–	–	–	–	–
SS 696	22.6	–	–	–	–	–	–
SS RT-6999N	21.8	–	–	–	–	–	–
Eagle Seed ES 6201	21.1	–	–	–	–	–	–
Eagle Seed ES 6800	20.3	–	–	–	–	–	–
Eagle Seed ES 5707RR	19.7	–	–	–	–	–	–
AU 96-1353	19.2	–	–	–	–	–	–
Eagle Seed ES 6400	18.7	–	–	–	–	–	–
Eagle Seed ES 5902RR	18.3	–	–	–	–	–	–
Eagle Seed ES 5706RR	15.1	–	–	–	–	–	–
Eagle Seed ES 5708RR	14.4	–	–	–	–	–	–
Maturity Group VII							
Benning	24.6	29.7	35.5	1.2	2.0	31	10-20
Haskell	23.3	32.2	35.1	1.7	1.0	28	10-20
Stonewall	24.2	27.9	32.5	1.0	2.5	27	10-18
Carver	21.3	27.8	29.7	1.0	4.8	27	10-17
SS 731N	21.2	28.4	–	–	–	–	–
Deltapine DP 7731	27.1	–	–	–	–	–	–
AU 96-1693	25.1	–	–	–	–	–	–
AU 96-205	23.8	–	–	–	–	–	–
Eagle Seed ES 6203	22.3	–	–	–	–	–	–
SS RT 7499N	21.1	–	–	–	–	–	–
Test Means	***19.4***	***26.1***	***31.4***	***1.1***	***3.4***	***27***	
L.S.D. (.05)	***3.7***						
C.V. (%)	***13.7***						

TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, 2000

Brand-Variety	Yield Per Acre *bu.*	Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
		Maturity Group V			
Deltapine DPX 5915RR	48.1	1.0	0.0	23	9-8
AgriPro/Garst 574	47.1	1.3	0.0	24	9-8
Hutcheson	46.9	1.0	0.0	19	9-6
Deltapine DP 5806 RR	45.8	1.0	0.0	27	9-10
SS 597N	45.3	1.0	0.0	26	9-9
SS XP47576-STS	44.2	1.0	0.0	22	9-5
SS XP 5709N	42.0	1.0	1.0	19	9-8
Croplan Genetics 5770RR	40.9	1.0	1.5	24	9-9
Deltapine DP 5644 RR	39.3	1.0	0.0	26	9-5
AgriPro/Garst 588RR	38.6	1.0	0.0	25	9-7
Croplan Genetics 590RR	38.1	1.0	0.0	27	9-6
Deltapine DP 5655	37.6	2.0	2.5	30	9-3
Deltapine DP 5354	34.2	1.3	4.0	26	8-31
SS RT-557N	33.9	1.0	3.5	25	9-3
SS XP5409N	33.7	1.0	4.5	23	9-2
SS RT-5399	32.8	1.0	4.0	21	9-1
SS RT-5999N	32.2	1.5	4.0	28	9-8
Croplan Genetics 556RR	31.3	1.0	4.5	20	9-1
SS XPRT-46704	31.3	2.0	4.0	36	9-2
SS XPRT-5609	29.3	1.0	3.5	22	9-5
SS RT-587N	28.7	1.0	2.0	23	9-6
		Maturity Group VI			
SC 91-2007	59.2	1.0	0.0	31	9-24
Deltapine DP 6880 RR	54.6	1.0	0.0	26	9-23
SS 688	53.7	1.0	0.0	21	9-18
SS RT-6999N	53.7	1.0	0.0	25	9-24
AU 96-1353	53.0	1.0	0.0	23	9-21
Croplan Genetics 678	52.2	1.0	0.0	27	9-21
SS 696	52.2	1.0	0.0	22	9-21
Dillon	50.5	1.0	0.0	27	9-14
G99-G725	50.4	1.0	0.0	25	9-15
Deltapine DP 6200 RR	49.0	1.0	0.0	28	9-12
Pioneer 9692	48.8	1.0	0.0	24	9-21
Croplan Genetics 6299RR	47.7	1.0	0.0	28	9-13
AU 96-507	47.4	1.0	0.0	20	9-11
Dyna-Gro 3614NRR	45.7	1.3	0.0	29	9-10
Musen	43.5	1.0	0.0	22	9-24
SS RT-6299N	39.2	1.0	0.0	24	9-15
		Maturity Group VII			
Benning	61.9	1.0	0.0	26	9-24
Pioneer 97B61	60.9	1.0	0.0	28	9-25
Pioneer 97B62	59.6	1.0	0.0	27	9-29
Deltapine DP 7220RR	57.4	1.0	0.0	25	9-21
G99-G6682	56.8	1.0	0.0	31	9-24
SS RT 7499N	56.1	1.0	0.0	26	9-28
Haskell	55.6	1.0	0.0	27	9-24
AU 96-205	55.1	1.0	0.0	26	9-23
G99-G3438	54.1	1.0	0.0	28	9-24

continued

TABLE 11, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, 2000

Brand-Variety	Yield Per Acre *bu.*	Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
		Maturity Group VII			
AU 96-1693	52.9	1.3	0.0	24	9-26
Carver	51.4	1.0	0.0	25	9-21
SS 731N	51.1	1.0	0.0	26	9-21
Stonewall	50.4	1.0	0.0	24	9-23
		Maturity Group VIII			
Kuell	60.7	1.0	0.0	31	10-1
Prichard	57.1	1.0	0.0	29	10-5
G99-G104111	56.1	1.0	0.0	28	10-6
Motte	51.9	1.3	0.0	28	10-5
AU 96-6	47.9	1.0	0.0	26	9-25
Test Means	***47.2***	***1.1***	***2.0***	***25***	
L.S.D. (.05)	***7.5***				
C.V. (%)	***11.3***				

TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, THREE-YEAR SUMMARY, 1998-2000

Brand-Variety	Yield Per Acre 2000 *bu.*	Yield Per Acre 2-Yr. Avg. *bu.*	Yield Per Acre 3-Yr. Avg. *bu.*	3-Year Average Lodging Score	3-Year Average Shattering Score	3-Year Average Plant Height *(in.)*	3-Year Average Maturity Date
			Maturity Group V				
AgriPro/Garst 574	47.1	58.4	52.2	1.1	0.1	25	9-15
Hutcheson	46.9	53.8	49.5	1.0	0.6	19	9-12
Croplan Genetics Robin 5	42.0	52.6	46.8	1.0	0.5	20	9-15
AgriPro/Garst 588RR	38.6	47.5	42.0	1.0	0.1	25	9-14
Deltapine DP 5655	37.6	48.9	–	–	–	–	–
Deltapine DP 5354	34.2	46.0	–	–	–	–	–
Croplan Genetics 556RR	31.3	39.0	–	–	–	–	–
Deltapine DPX 5915RR	48.1	–	–	–	–	–	–
Deltapine DP 5806 RR	45.8	–	–	–	–	–	–
SS 597N	45.3	–	–	–	–	–	–
SS XP47576-STS	44.2	–	–	–	–	–	–
SS XP 5709N	42.7	–	–	–	–	–	–
Croplan Genetics 5770RR	40.9	–	–	–	–	–	–
Deltapine DP 5644 RR	39.3	–	–	–	–	–	–
Croplan Genetics 590RR	38.1	–	–	–	–	–	–
SS RT-557N	33.9	–	–	–	–	–	–
SS XP5409N	33.7	–	–	–	–	–	–
SS RT-5399	32.8	–	–	–	–	–	–
SS RT-5999N	32.2	–	–	–	–	–	–
SS XPRT-46704	31.3	–	–	–	–	–	–
SS XPRT-5609	29.3	–	–	–	–	–	–
SS RT-587N	28.7	–	–	–	–	–	–

continued

TABLE 12, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, THREE-YEAR SUMMARY, 1998-2000

Brand-Variety	Yield Per Acre			3-Year Average			
	2000 *bu.*	2-Yr. Avg. *bu.*	3-Yr. Avg. *bu.*	Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
Maturity Group VI							
Croplan Genetics 678	52.2	59.1	53.8	1.1	0.1	28	9-27
Musen	43.5	55.8	52.6	1.2	0.1	25	9-30
Deltapine DP 6880 RR	54.6	56.2	51.8	1.2	0.1	26	9-29
Dillon	50.5	56.8	50.9	1.0	0.1	26	9-20
Pioneer 9692	48.8	57.0	50.0	1.0	0.1	25	9-27
SS 688	53.7	56.1	–	–	–	–	–
SC 91-2007	59.2	–	–	–	–	–	–
SS RT-6999N	53.7	–	–	–	–	–	–
AU 96-1353	53.0	–	–	–	–	–	–
SS 696	52.2	–	–	–	–	–	–
G99-G725	50.4	–	–	–	–	–	–
Deltapine DP 6200 RR	49.0	–	–	–	–	–	–
Croplan Genetics 6299RR	47.7	–	–	–	–	–	–
AU 96-507	47.4	–	–	–	–	–	–
Dyna-Gro 3614NRR	45.7	–	–	–	–	–	–
SS RT-6299N	39.2	–	–	–	–	–	–
Maturity Group VII							
Benning	61.9	66.0	58.6	1.1	0.1	27	10-2
Pioneer 97B61	60.9	62.6	56.7	1.5	0.1	30	10-2
Haskell	55.6	56.9	51.6	1.3	0.1	28	10-1
Carver	51.4	58.6	50.9	1.1	0.1	25	9-27
Stonewall	50.4	55.5	50.5	1.1	0.1	25	9-29
Pioneer 97B62	59.6	62.6	–	–	–	–	–
SS 731N	51.1	53.9	–	–	–	–	–
Deltapine DP 7220RR	57.4	–	–	–	–	–	–
G99-G6682	56.8	–	–	–	–	–	–
SS RT 7499N	56.1	–	–	–	–	–	–
AU 96-205	55.1	–	–	–	–	–	–
G99-G3438	54.1	–	–	–	–	–	–
AU 96-1693	52.9	–	–	–	–	–	–
Maturity Group VIII							
Prichard	57.1	64.3	58.3	1.3	0.1	31	10-10
Kuell	60.7	65.6	57.2	1.8	0.2	31	10-7
Motte	51.9	57.1	50.4	1.8	0.1	28	10-8
G99-G104111	56.1	–	–	–	–	–	–
AU 96-6	47.9	–	–	–	–	–	–
Test Means	***47.2***	***56.1***	***52.0***	***1.2***	***0.1***	***26***	
L.S.D. (.05)	***7.5***						
C.V. (%)	***11.3***						

TABLE 13. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2000

Brand-Variety	Yield Per Acre[1] *bu.*	Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
		Maturity Group V			
Deltapine DP 5806 RR	25.5	1.0	2.0	33	10-6
Deltapine DP 5655	24.5	1.0	3.0	35	10-3
Deltapine DPX 5915RR	22.0	1.0	1.5	29	10-3
AgriPro/Garst 574	21.9	1.0	1.5	30	9-29
SS RT-5999N	19.6	1.0	4.0	34	10-2
SS 597N	18.9	1.0	1.5	29	10-3
Croplan Genetics 590RR	18.8	1.0	3.0	33	9-30
SS RT-557N	18.0	1.0	4.5	31	9-25
SS RT-587N	17.7	1.0	3.0	30	10-4
Deltapine DP 5644 RR	17.5	1.0	2.5	32	9-27
Hutcheson	17.4	1.0	3.5	28	9-20
SS XP 5709N	15.5	1.0	3.5	25	9-29
AgriPro/Garst 588RR	14.8	1.0	2.5	32	10-5
Croplan Genetics 5770RR	14.2	1.0	3.0	26	10-5
SS XPRT-5609	13.3	1.0	4.5	26	10-3
Croplan Genetics Robin 5	13.0	1.0	5.0	19	9-26
Croplan Genetics 556RR	10.0	1.0	4.5	22	9-12
SS XP47576-STS	9.5	1.0	3.5	25	9-19
SS XP5409N	8.1	1.0	5.0	22	9-28
SS XPRT-46704	7.2	1.0	5.0	9	9-14
SS RT-5399	7.2	1.0	4.5	21	9-12
		Maturity Group VI			
Deltapine DP 6926S	33.4	1.0	2.0	32	10-21
Musen	30.6	1.0	1.5	23	10-18
Deltapine DP 6200 RR	30.1	1.0	1.5	35	10-14
Croplan Genetics 678	29.4	1.0	1.5	32	10-15
SS 688	29.4	1.0	2.0	25	10-16
Pioneer 9692	29.3	1.0	3.0	28	10-15
SC 91-2007	28.5	1.0	1.0	33	10-19
SS 696	27.1	1.0	2.0	32	10-17
Dyna-Gro 3614NRR	24.1	1.0	1.0	32	10-12
Dillon	23.9	1.0	2.0	29	10-12
AU 96-1353	23.1	1.0	1.0	26	10-17
Deltapine DP 6880 RR	22.6	1.0	1.0	32	10-14
G99-G725	21.7	1.0	3.0	31	10-13
SS RT-6999N	19.3	1.0	1.0	28	10-18
Croplan Genetics 6299RR	18.3	1.0	1.5	33	10-4
AU 96-507	16.5	1.0	3.0	22	10-4
SS RT-6299N	15.3	1.0	4.0	30	10-10
		Maturity Group VII			
Pioneer 97B62	32.3	1.0	1.5	29	10-19
G99-G3438	31.0	1.0	1.0	29	10-22
AU 96-1693	28.3	1.0	3.0	28	10-19
Benning	27.5	1.0	1.0	32	10-17
SS RT 7499N	27.3	1.0	1.0	32	10-20
Deltapine DP 7220RR	27.2	1.0	1.0	32	10-16
Deltapine DP 7731	26.2	1.0	1.0	32	10-20

continued

TABLE 13, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2000

Brand-Variety	Yield Per Acre[1] *bu.*	Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
		Maturity Group VII			
G99-G6682	25.6	1.0	1.0	32	10-20
AU 96-205	24.7	1.0	4.5	26	10-16
Haskell	24.5	1.0	1.0	29	10-19
Carver	23.9	1.0	2.5	29	10-13
Stonewall	22.3	1.0	2.0	28	10-16
Pioneer 97B61	20.5	1.0	1.0	31	10-18
SS 731N	18.6	1.0	4.0	29	10-13
		Maturity Group VIII			
Kuell	33.3	1.0	2.0	34	10-23
Prichard	27.1	1.0	1.0	32	10-23
Motte	24.8	1.0	1.0	32	10-17
G99-G104111	16.8	1.0	1.0	31	10-23
AU 96-6	14.3	1.0	1.5	27	10-19
Test Means	***21.6***	***1.0***	***2.4***	***29***	
L.S.D. (.05)	***8.5***				
C.V. (%)	***27.6***				

[1]Two replications only

TABLE 14. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, THREE-YEAR SUMMARY, 1998-2000

Brand-Variety	Yield Per Acre 2000[1] *bu.*	Yield Per Acre 2-Yr. Avg. *bu.*	Yield Per Acre 3-Yr. Avg. *bu.*	3-Year Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
			Maturity Group V				
AgriPro/Garst 574	21.9	37.0	41.9	1.0	1.3	33	9-30
Hutcheson	17.4	36.2	41.2	1.0	3.4	27	9-25
AgriPro/Garst 588RR	14.8	32.3	38.2	1.0	1.9	33	10-2
Croplan Genetics Robin 5	13.0	32.8	38.0	1.0	3.7	24	9-29
Deltapine DP 5655	24.5	39.3	–	–	–	–	–
Deltapine DP 5644 RR	17.5	34.0	–	–	–	–	–
Croplan Genetics 556RR	10.0	30.8	–	–	–	–	–
Deltapine DP 5806 RR	25.5	–	–	–	–	–	–
Deltapine DPX 5915RR	22.0	–	–	–	–	–	–
SS RT-5999N	19.6	–	–	–	–	–	–
SS 597N	18.9	–	–	–	–	–	–
Croplan Genetics 590RR	18.8	–	–	–	–	–	–
SS RT-557N	18.0	–	–	–	–	–	–
SS RT-587N	17.7	–	–	–	–	–	–
SS XP 5709N	15.5	–	–	–	–	–	–
Croplan Genetics 5770RR	14.2	–	–	–	–	–	–
SS XPRT-5609	13.3	–	–	–	–	–	–
SS XP47576-STS	9.5	–	–	–	–	–	–
SS XP5409N	8.1	–	–	–	–	–	–
SS XPRT-46704	7.2	–	–	–	–	–	–
SS RT-5399	7.2	–	–	–	–	–	–

continued

TABLE 14, CONTINUED. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, THREE-YEAR SUMMARY, 1998-2000

Brand-Variety	Yield Per Acre			3-Year Average			
	2000[1] *bu.*	2-Yr. Avg. *bu.*	3-Yr. Avg. *bu.*	Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
Maturity Group VI							
Pioneer 9692	29.3	41.1	43.5	1.0	2.0	31	10-11
Deltapine DP 6200 RR	30.1	40.7	43.0	1.1	1.3	33	10-7
Dillon	23.9	37.2	42.3	1.0	1.7	31	10-5
Musen	30.6	41.4	41.8	1.0	1.2	30	10-14
Croplan Genetics 678	29.4	39.7	40.9	1.0	1.3	34	10-10
Deltapine DP 6880 RR	22.6	35.0	37.7	1.1	1.1	36	10–11
SS 688	29.4	41.5	–	–	–	–	-
AU 96-507	16.5	37.5	–	–	–	–	–
Deltapine DP 6926S	33.4	–	–	–	–	–	–
SC 91-2007	28.5	–	–	–	–	–	–
SS 696	27.1	–	–	–	–	–	–
Dyna-Gro 3614NRR	24.1	–	–	–	–	–	–
AU 96-1353	23.1	–	–	–	–	–	–
G99-G725	21.7	–	–	–	–	–	–
SS RT-6999N	19.3	–	–	–	–	–	–
Croplan Genetics 6299RR	18.3	–	–	–	–	–	–
SS RT-6299N	15.3	–	–	–	–	–	–
Maturity Group VII							
Haskell	24.5	39.1	41.7	1.8	1.2	34	10-16
Benning	27.5	40.4	41.6	1.1	1.0	34	10-13
Carver	23.9	39.3	41.5	1.0	1.6	30	10-10
Stonewall	22.3	37.2	39.3	1.0	1.5	31	10-13
Pioneer 97B61	20.5	35.5	37.9	1.3	1.0	32	10-14
Pioneer 97B62	32.3	45.6	–	–	–	–	–
Deltapine DP 7731	26.2	42.8	–	–	–	–	–
SS 731N	18.6	33.7	–	–	–	–	–
G99-G3438	31.0	–	–	–	–	–	–
AU 96-1693	28.3	–	–	–	–	–	–
SS RT 7499N	27.3	–	–	–	–	–	–
Deltapine DP 7220RR	27.2	–	–	–	–	–	–
G99-G6682	25.6	–	–	–	–	–	–
AU 96-205	24.7	–	–	–	–	–	–
Maturity Group VIII							
Kuell	33.3	41.0	40.5	1.8	1.4	36	10-23
Motte	24.8	36.4	37.9	1.5	1.1	35	10-18
Prichard	27.1	37.2	37.2	1.5	1.0	36	10-22
G99-G104111	16.8	–	–	–	–	–	–
AU 96-6	14.3	–	–	–	–	–	–
Test Means	***21.6***	***37.9***	***40.3***	***1.2***	***1.6***	***32***	
L.S.D. (.05)	***8.5***						
C.V. (%)	***27.6***						

[1]Two replications only.

TABLE 15. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, 2000

Brand-Variety	Yield Per Acre *bu.*	Average Lodging Score	Shattering Score	Plant Height *(in.)*	Maturity Date
		Maturity Group V			
Croplan Genetics Robin 5	38.1	0.0	0.0	24	10-8
Hutcheson	35.3	0.0	0.0	24	10-4
TN 93-99	34.8	0.0	0.0	25	10-5
TN 94-213	34.0	0.0	0.0	22	10-3
Croplan Genetics 590RR	31.6	0.0	0.0	31	10-4
Croplan Genetics 5770RR	30.6	0.0	0.0	29	10-6
Croplan Genetics 556RR	26.7	1.0	0.0	25	10-2
		Maturity Group VI			
Dillon	36.9	0.3	0.0	30	10-5
Musen	36.8	0.0	0.0	31	10-13
TN 93-142-17	36.6	0.0	0.0	29	10-10
Pioneer 9692	36.3	0.3	0.0	31	10-14
Croplan Genetics 678	35.4	0.3	0.0	33	10-13
SC 91-2007	33.1	0.0	0.0	33	10-14
Croplan Genetics 6299RR	32.9	0.0	0.0	31	10-8
		Maturity Group VII			
Benning	37.5	0.3	0.0	30	10-13
Stonewall	36.9	0.3	0.0	31	10-13
Haskell	34.9	0.3	0.0	29	10-14
Carver	34.3	0.0	0.0	28	10-9
Test Means	***34.6***	***0.1***	***0.0***	***29***	
L.S.D. (.05)	***4.5***				
C.V. (%)	***9.2***				

TABLE 16. ENTRIES AND SOURCES FOR 2000

Company	Brand-Variety
Alabama Crop Imp. Assoc. Auburn, Alabama	Hutcheson Stonewall
Delta and Pine Land Company Scott, Mississippi	Deltapine, SG brand varieties
Delta King Seed Co. McCrory, Arkansas	Delta King DK brand varieties
Department of Agronomy and Soils Auburn University, Alabama	Au 96-6, Au 96-507, Au 96-1353 Au 96-1693, Kuell
Eagle Seed Co. Weiner, Arkansas	ES brand varieties
Escambia Farm and Seed Co. Atmore, Alabama	Carver Stonewall
Garst Seed Co. Memphis, Tennessee	AgriPro /Garst , Garst 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 SC 91-2007 Motte Musen
Southern Elite Genetics Assoc. Statesboro, Georgia	Benning Haskell Prichard
Southern States Coop. Richmond, Virginia	SS brand varieties
United Agri-Products Madison, Alabama	Dyna-Gro brand varieties
University of Georgia Athens, Georgia	G99- G725, G99- G6682 G99- G3438, G99- G104111
University of Tennessee Knoxville, Tennessee	TN 93-99, TN 94-213 TN 93-142-17