

*Performance  
of Soybean  
Varieties in  
Alabama,  
2006*

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# PERFORMANCE OF SOYBEAN VARIETIES IN ALABAMA, 2006

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## 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:

Region	Location
Northern	Belle Mina, Crossville
Central	Tallassee, 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.

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 2006 is shown in Table 15. 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.

## 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 2004 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; Steve Nightengale, E.V. Smith Research Center, Plant Breeding 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 IN NORTHERN ALABAMA, 2006

Variety	Belle Mina	Crossville	Regional Average				Maturity date
			Yield	Lodging score	Shattering score	Plant height	
----- <i>bu/acre</i> -----			- inches -				
Maturity Group III							
Pioneer 93M90	15.9	10.3	13.1	1.0	3.4	20	8-13
Maturity Group IV							
Schillinger 495 RC	21.2	21.4	21.3	1.0	2.1	24	8-27
SS RT 4760N	19.3	22.0	20.6	1.0	1.6	22	8-22
Pioneer 94M80	19.7	20.9	20.3	1.0	1.9	25	8-27
USG 7466nRR	17.7	22.9	20.3	1.0	1.9	24	8-27
Dekalb DKB 46-51	16.8	23.6	20.2	1.0	1.6	21	8-23
USG 7495nRS	18.4	21.2	19.8	1.0	1.5	25	8-31
USG 74A76	18.9	20.7	19.8	1.0	1.9	21	8-21
Delta King DK 4764	18.4	20.7	19.5	1.0	1.4	22	8-22
Delta King 4763RR	20.1	18.7	19.4	1.0	1.5	21	8-24
USG 74A91	16.2	22.1	19.2	1.0	1.5	24	9-7
USG 7482nRR	18.8	19.2	19.0	1.0	1.5	20	8-24
Deltapine DP 4546 RR	17.2	20.9	19.0	1.0	2.1	24	8-31
SS RT 4451N	17.8	20.1	19.0	1.0	1.3	22	8-20
Croplan Genetics RC 4455	16.1	21.6	18.9	1.0	1.4	23	8-21
Delta King DK 4667	17.9	19.8	18.8	1.0	1.6	24	8-27
Deltapine DPX 4919RR/S	16.5	21.1	18.8	1.0	1.9	25	9-2
SS RT 446N	18.6	18.3	18.5	1.0	1.8	24	8-22
Delta King 4967RR	14.8	21.8	18.3	1.0	1.9	20	8-24
Dyna-Gro 37P49	16.8	19.6	18.2	1.0	1.4	23	9-8
Asgrow AG 4903	14.8	20.7	17.8	1.0	1.6	23	9-9
Dyna-Gro 3443	18.8	16.5	17.6	1.0	1.1	20	8-21
Croplan Genetics RC 4992	16.5	18.7	17.6	1.0	1.4	27	9-7
Pioneer 94B73	17.2	17.8	17.5	1.0	1.6	22	8-21
Croplan Genetics RC 4432	16.8	18.2	17.5	1.0	2.5	24	8-24
SS RT 4996N	15.5	19.2	17.4	1.0	1.6	24	9-7
Asgrow AG 4801	15.6	19.1	17.4	1.0	1.3	21	8-24
Croplan Genetics RC 4444	17.2	16.5	16.8	1.0	1.5	21	8-22
Deltapine DPX 4112RR/S	17.3	15.6	16.5	1.0	1.8	20	8-18
Deltapine DP 4724 RR	15.0	17.8	16.4	1.0	1.3	20	8-21
SS RT 4777N	14.1	18.7	16.4	1.0	2.3	23	8-30

*continued*

TABLE 1. CONTINUED

Variety	Belle Mina	Crossville	Yield	Regional Average			Maturity date
				Lodging score	Shattering score	Plant height	
	----- <i>bu/acre</i> -----			- inches -			
Delta King DK 4461	14.8	16.9	15.8	1.0	1.9	21	8-26
Delta King DK 4866	14.6	16.9	15.8	1.0	1.5	21	8-30
SS RT 4981N	12.0	19.4	15.7	1.0	1.5	25	9-10
Dyna-Gro 32R46	15.3	15.4	15.4	1.0	1.4	18	8-23
USG 74T85	15.5	15.2	15.4	1.0	1.6	22	8-27
Asgrow AG 4703	14.7	16.0	15.3	1.0	1.4	19	8-26
SS RT 4808N	14.7	15.6	15.1	1.0	1.4	21	8-31
Deltapine DP 4331 RR	14.0	16.2	15.1	1.0	1.9	19	8-20
Croplan Genetics RC 4955	12.5	17.4	15.0	1.0	1.6	24	9-7
Croplan Genetics RC 4655	16.1	13.3	14.7	1.0	1.3	22	8-26
Croplan Genetics RC 4095	13.4	14.7	14.0	1.1	2.5	18	8-17
Croplan Genetics RC 4233	15.6	12.2	13.9	1.0	1.4	20	8-19
Maturity Group IV							
SS RT 5130N	21.0	26.0	23.5	1.0	1.1	26	9-5
SS RT 5160N	21.1	21.8	21.4	1.0	1.3	26	9-12
Trial mean	16.7	18.7	17.7	1.0	1.7	22	9-23
LSD(0.10)	2.7	2.4	2.6				

TABLE 2. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN BELLE MINA, ALABAMA, THREE-YEAR SUMMARY, 2004 - 2006

	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2006	2-yr avg	3-yr avg				
	----- bu/acre -----					- inch -	
	Maturity Group III						
Pioneer 93M90	16	30	.	1.1	2.8	30	8-21
	Maturity Group IV						
USG 7482nRR	19	32	44	1.4	1.6	30	8-30
Asgrow AG 4903	15	29	40	1.3	1.6	31	9-7
Deltapine DP 4546 RR	17	30	37	1.5	1.9	32	8-31
Dyna-Gro 3443	19	31	37	1.2	1.6	30	8-29
Deltapine DP 4724 RR	15	28	36	1.5	1.7	30	8-28
SS RT 446N	19	30	33	1.3	1.9	31	8-29
Deltapine DP 4331 RR	14	32	.	1.1	2.5	28	8-26
SS RT 4451N	18	31	.	1.3	1.6	31	8-27
Delta King 4967RR	15	31	.	1.3	2.5	28	8-28
Delta King DK 4461	15	30	.	1.0	2.3	30	8-31
Asgrow AG 4703	15	30	.	1.0	1.8	27	8-30
Croplan Genetics RC 4455	16	29	.	1.3	2.0	29	8-28
Croplan Genetics RC 4444	17	28	.	1.3	1.6	31	8-28
Pioneer 94M80	20	28	.	1.1	2.1	34	9-1
Croplan Genetics RC 4095	13	28	.	1.4	3.0	28	8-24
SS RT 4981N	12	27	.	1.0	1.6	30	9-9
Delta King DK 4866	15	27	.	1.3	1.8	29	9-3
Delta King 4763RR	20	26	.	1.1	1.9	30	9-2
Croplan Genetics RC 4955	13	25	.	1.3	2.1	32	9-5
SS RT 4808N	15	25	.	1.1	2.1	29	9-3
Schillinger 495 RC	21	.	.	1.0	3.3	23	9-3
SS RT 4760N	19	.	.	1.0	2.3	20	8-27
USG 74A76	19	.	.	1.0	2.8	19	8-27
Croplan Genetics RC 4842	19	.	.	1.8	1.8	26	8-31
Delta King DK 4764	18	.	.	1.0	1.8	20	8-30
USG 7495nRS	18	.	.	1.0	2.0	23	9-11
Delta King DK 4667	18	.	.	1.0	2.3	23	9-3
USG 7466nRR	18	.	.	1.0	2.8	23	9-3

*continued*

TABLE 2. CONTINUED

	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2006	2-yr avg	3-yr avg				
	----- bu/acre -----						
Deltapine DPX 4112RR/S	17	.	.	1.0	2.5	18	8-21
Pioneer 94B73	17	.	.	1.0	2.3	20	8-25
Croplan Genetics RC 4432	17	.	.	1.0	4.0	23	8-29
Dekalb DKB 46-51	17	.	.	1.1	1.6	25	8-31
Dyna-Gro 37P49	17	.	.	1.0	1.8	22	9-15
Deltapine DPX 4919RR/S	17	.	.	1.0	2.8	23	9-13
Croplan Genetics RC 4992	17	.	.	1.1	1.4	33	9-10
USG 74A91	16	.	.	1.0	2.0	22	9-14
Croplan Genetics RC 4655	16	.	.	1.0	1.5	21	8-29
Asgrow AG 4801	16	.	.	1.0	1.5	21	8-31
Croplan Genetics RC 4233	16	.	.	1.0	1.8	19	8-22
SS RT 4996N	16	.	.	1.0	2.3	22	9-13
USG 74T85	16	.	.	1.0	2.3	20	9-1
Dyna-Gro 32R46	15	.	.	1.0	1.8	18	8-30
SS RT 4777N	14	.	.	1.0	3.0	22	9-7
	Maturity Group V						
SS RT 5130N	21	31	40	1.5	1.4	30	9-7
SS RT 5160N	21	.	.	1.0	1.5	24	9-15
Trial mean	17	29	38	.	.	.	
LSD(0.10)	3	4	3	.	.	.	
CV (%)	18	19	14	.	.	.	



TABLE 3. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2006

Variety	Belle Mina	Crossville	Yield	Regional Average			Maturity date
				Lodging score	Shattering score	Plant height	
----- <i>bu/acre</i> -----			- inches -				
Maturity Group IV							
UA 4805	16.1	30.2	23.1	1.0	1.6	24	9-22
SS RT 4981N	21.7	22.3	22.0	1.0	1.8	28	9-19
Schillinger 495 RC	17.1	24.1	20.5	1.0	2.0	29	9-13
SS RT 4760N	17.1	23.8	20.4	1.0	1.8	27	9-9
SS RT 4808N	15.5	24.5	20.0	1.0	1.8	25	9-12
Pioneer 94M80	15.1	24.8	19.9	1.0	1.6	27	9-11
SS RT 4996N	14.7	25.2	19.9	1.0	1.6	28	9-17
Pioneer 94B73	17.8	21.7	19.7	1.0	2.0	27	9-10
Delta King DK 4764	15.6	22.0	18.8	1.0	1.5	25	9-8
Delta King DK 4667	14.8	22.5	18.6	1.0	1.5	28	9-11
Delta King DK 4866	14.0	22.1	18.1	1.0	1.3	23	9-13
Delta King 4967RR	11.9	22.8	17.3	1.0	2.0	25	9-9
Delta King DK 4461	12.1	22.1	17.1	1.0	2.1	24	9-8
SS RT 4777N	14.4	17.4	15.9	1.0	2.1	25	9-14
Delta King 4763RR	11.1	19.6	15.3	1.0	2.0	24	9-9
Maturity Group V							
USG Allen	19.1	31.5	25.3	1.0	1.1	32	10-3
Croplan Genetics RC 5003	21.3	22.9	22.1	1.0	1.3	31	9-20
Croplan Genetics RC 5892	15.7	28.3	22.0	1.5	1.5	34	10-3
Deltapine DP 5634RR	15.8	28.1	22.0	1.0	1.3	33	10-1
Asgrow AG 5702	13.0	30.8	21.9	1.0	1.6	27	9-25
USG 56293	18.0	24.9	21.4	1.0	1.1	33	10-4
Ozark	14.6	27.8	21.2	1.0	1.3	29	9-23
USG 7582nRR	15.1	27.2	21.1	1.0	2.0	31	9-24
Croplan Genetics RC 5972	15.6	26.6	21.1	1.0	2.0	33	9-25
Croplan Genetics RC 5955	15.1	26.6	20.9	1.3	1.1	36	10-1
Delta King 5567	15.7	25.5	20.6	1.0	1.3	29	9-27
Asgrow AG 5905	15.1	25.8	20.5	1.0	1.1	35	9-30
Delta King 5366RR	15.0	25.8	20.4	1.0	1.5	34	9-26
SS RT 5760N	14.4	26.3	20.4	1.0	1.5	33	9-26
SS RT 5130N	15.9	24.1	20.1	1.0	1.0	31	9-19
Pioneer 95M30	13.4	26.5	20.0	1.0	1.8	32	9-26
Croplan Genetics RC 5455	13.7	26.2	20.0	1.0	1.1	30	9-23

*continued*

TABLE 3. CONTINUED

Variety	Belle Mina	Crossville	Regional Average				
			Yield	Lodging score	Shattering score	Plant height	Maturity date
Deltapine DP 5915RR	15.8	23.9	19.9	1.0	1.5	32	9-30
SS RT 5960N	15.9	23.9	19.9	1.0	1.5	32	9-30
Delta King 55T6	13.7	25.6	19.6	1.0	2.1	32	9-25
Anand	16.5	22.7	19.6	1.0	2.0	24	9-24
SS RT 5540N	14.8	24.0	19.4	1.0	1.1	34	9-24
Croplan Genetics RC 5555	16.4	22.1	19.2	1.0	1.3	35	9-25
Delta King 52K6	12.9	24.9	18.9	1.0	2.0	29	9-27
Delta King 5066	15.4	21.7	18.6	1.0	1.6	27	9-16
USG 7553nRS	13.4	23.4	18.4	1.0	1.3	28	9-23
USG 7515nRS	17.0	19.1	18.1	1.0	1.6	27	9-16
Deltapine DPX5115RR/S	17.4	18.3	17.8	1.0	1.1	32	9-22
Deltapine DPX5914RR	9.4	26.1	17.7	1.1	1.8	31	9-27
SS RT 5450N	13.4	21.8	17.6	1.0	1.1	29	9-23
Hutcheson	11.5	23.4	17.4	1.0	1.3	27	9-26
Croplan Genetics RC 5222	12.9	21.9	17.4	1.0	1.3	30	9-21
SS RT 5160N	12.1	22.5	17.3	1.0	1.8	30	9-24
Deltapine DP 5414RR	13.3	21.2	17.2	1.0	1.8	32	9-25
Delta King 5161RR	12.7	20.3	16.5	1.0	1.1	29	9-19
Croplan Genetics RC 5332	11.8	17.1	14.4	1.0	1.5	33	9-23
Trial mean	14.9	24.0	19.5	1	2	29	9-21
LSD(0.10)	3.2	3.4	3.3				
CV (%)	23.7	15.8	19.0				

TABLE 4. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES IN NORTHERN ALABAMA, THREE-YEAR SUMMARY, 2004 - 2006

	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2006	2-yr avg	3-yr avg				
	----- bu/acre -----					- inch -	
Maturity Group IV							
UA 4805	24	34	34	1.2	1.3	28	9-21
SS RT 4981N	22	34	34	1.2	1.4	36	9-20
Delta King DK 4461	18	34	34	1.1	1.5	31	9-10
Delta King 4763RR	16	34	34	1.3	1.4	30	9-10
Pioneer 94M80	21	33	33	1.4	1.3	32	9-12
SS RT 4808N	21	31	31	1.0	1.3	33	9-13
Delta King DK 4866	19	31	31	1.0	1.1	30	9-15
Schillinger 495 RC	21	.	.	1.0	1.8	30	9-15
SS RT 4760N	21	.	.	1.0	1.7	27	9-11
SS RT 4996N	21	.	.	1.0	1.5	28	9-19
Pioneer 94B73	20	.	.	1.0	1.8	28	9-12
Delta King DK 4764	19	.	.	1.0	1.4	25	9-9
Delta King DK 4667	19	.	.	1.0	1.4	29	9-13
Delta King 4967RR	18	.	.	1.0	1.8	25	9-12
SS RT 4777N	16	.	.	1.0	2.0	25	9-16
Maturity Group IV							
Croplan Genetics RC 5003	22	35	35	1.3	1.1	33	9-22
Croplan Genetics RC 5955	22	35	35	1.5	1.1	36	10-2
SS RT 5450N	18	35	35	1.0	1.1	31	9-23
Delta King 5567	21	35	35	1.0	1.1	32	9-27
Delta King 55T6	21	35	35	1.3	1.5	35	9-27
Deltapine DP 5915RR	20	35	35	1.1	1.2	34	9-29
Croplan Genetics RC 5972	22	35	35	1.3	1.4	36	9-27
Ozark	22	34	34	1.3	1.1	32	9-23
Anand	20	34	34	1.1	1.4	28	9-24
Delta King 5066	19	34	34	1.4	1.3	33	9-19
USG 7582nRR	22	34	34	1.1	1.4	35	9-27
SS RT 5130N	21	34	34	1.1	1.0	33	9-22
SS RT 5540N	20	33	33	1.1	1.1	37	9-24

continued

TABLE 4. CONTINUED

	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2006	2-yr avg	3-yr avg				
	----- <i>bu/acre</i> -----						
Croplan Genetics RC 5555	20	33	33	1.2	1.1	38	9-25
USG 7553nRS	19	32	32	1.1	1.1	32	9-25
Deltapine DP 5634RR	23	32	32	1.1	1.1	35	9-29
Delta King 5161RR	17	32	32	1.5	1.1	32	9-21
Asgrow AG 5905	21	32	32	1.1	1.1	38	9-28
Delta King 5366RR	21	32	32	1.7	1.2	36	9-29
Deltapine DP 5414RR	18	30	30	1.3	1.3	37	9-25
Hutcheson	18	30	30	1.2	1.1	31	9-25
Croplan Genetics RC 5332	15	29	29	1.1	1.2	36	9-25
USG Allen	26	.	.	1.0	1.1	33	10-4
Asgrow AG 5702	23	.	.	1.0	1.5	27	9-28
Croplan Genetics RC 5892	23	.	.	1.4	1.4	34	10-4
USG 56293	22	.	.	1.0	1.1	34	10-6
SS RT 5760N	21	.	.	1.0	1.4	33	9-29
Pioneer 95M30	21	.	.	1.0	1.7	32	9-28
Croplan Genetics RC 5455	21	.	.	1.0	1.1	31	9-26
SS RT 5960N	20	.	.	1.0	1.4	32	10-2
Delta King 52K6	20	.	.	1.0	1.8	29	9-29
Deltapine DPX5914RR	19	.	.	1.1	1.7	31	9-29
USG 7515nRS	18	.	.	1.0	1.5	27	9-18
Croplan Genetics RC 5222	18	.	.	1.0	1.2	31	9-24
SS RT 5160N	18	.	.	1.0	1.7	31	9-26
Deltapine DPX5115RR/S	18	.	.	1.0	1.1	32	9-25
Trial mean	20	33	33				
LSD(0.10)	4	3	2				
CV (%)	19	12	12				

**TABLE 5. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2006**

Variety	Belle Mina	Crossville	Regional Average				Maturity date
			Yield	Lodging score	Shattering score	Plant height	
----- <i>bu/acre</i> -----			- inches -				
Maturity Group VI							
Musen	17.1	37.0	27.1	1.1	1.0	32	10-22
SS RT 6451N	18.3	35.1	26.7	1.0	1.5	32	10-14
Dekalb DKB 64-51	17.7	35.1	26.4	1.1	1.5	33	10-14
Asgrow AG 6301	17.6	32.3	24.9	1.3	1.0	32	10-14
SS RT 6202N	20.9	28.7	24.8	1.0	1.9	33	10-12
SS RT 6600N	14.0	34.4	24.2	1.1	1.0	33	10-23
Asgrow AG 6702	17.6	30.4	24.1	1.1	1.0	35	10-22
USG 620NRR	18.9	29.2	24.1	1.1	1.6	36	10-13
Croplan Genetics RC 6655	14.1	30.5	22.3	1.0	1.6	32	10-14
USG 7635nRR	16.1	27.3	21.7	1.0	2.1	34	10-13
Maturity Group VII							
USG 7732nRR	19.5	37.5	28.5	1.7	1.0	36	10-22
Stonewall	20.0	36.3	28.1	1.0	1.0	33	10-22
SS RT 7355N	18.7	35.4	27.1	1.0	1.0	27	10-22
SS RT 7499N	17.1	32.7	24.9	1.0	1.0	31	10-22
Trial mean	17.7	33.0	25.3	1.1	1.3	33	10-18
LSD(0.10)	2.4	3.7	3.2	0.2	0.2	2	
CV (%)	15.0	12.1	13.9	24.6	19.9	7	

**TABLE 6. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES IN NORTHERN ALABAMA, THREE-YEAR SUMMARY, 2004 - 2006**

	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2006	2-yr avg	3-yr avg				
	----- bu/acre -----					- inch -	
Maturity Group VI							
SS RT 6202N	25	35	35	1.3	1.5	34	10-8
USG 620NRR	25	35	35	1.2	1.3	35	10-10
SS RT 6451N	28	34	34	1.5	1.3	34	10-11
Croplan Genetics RC 6655	24	33	33	1.0	1.3	35	10-12
USG 7635nRR	23	31	31	1.3	1.6	34	10-12
Musen	29	28	28	1.7	1.0	35	10-20
Dekalb DKB 64-51	28	.	.	1.1	1.5	33	10-16
Asgrow AG 6301	26	.	.	1.2	1.0	33	10-16
SS RT 6600N	26	.	.	1.1	1.0	33	10-24
Asgrow AG 6702	25	.	.	1.1	1.0	35	10-23
Maturity Group VII							
Stonewall	29	31	31	1.7	1.0	34	10-18
USG 7732nRR	30	30	30	2.2	1.0	36	10-21
SS RT 7355N	28	26	26	1.3	1.0	32	10-19
SS RT 7499N	26	24	24	1.3	1.0	35	10-19
Trial mean	26	31	31	.	.	.	
LSD(0.10)	3	2	2	.	.	.	
CV (%)	14	12	12	.	.	.	

TABLE 7. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES AT TALLASSEE, ALABAMA, 2006

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group III					
Pioneer 93M90	43.0	.	2.0	24	8-18
Maturity Group IV					
SS RT 4981N	59.0	.	1.5	29	9-3
Delta King DK 4866	58.3	.	1.0	25	9-3
Delta King DK 4667	58.0	.	1.2	30	9-3
Delta King 4967RR	57.5	.	1.5	22	8-31
Pioneer 94M80	56.1	.	1.7	29	8-31
SS RT 4760N	55.7	.	2.0	28	8-29
SS RT 4996N	53.5	.	1.0	27	9-4
Delta King DK 4461	53.4	.	1.7	26	9-3
Delta King DK 4764	53.1	.	1.2	28	8-31
Delta King 4763RR	52.8	.	1.0	26	8-29
SS RT 4808N	50.6	.	1.0	24	8-26
Pioneer 94B73	48.9	.	1.7	28	8-27
Dyna-Gro 3443	47.5	.	1.7	27	8-31
Schillinger 495 RC	47.2	.	2.2	28	9-5
SS RT 4777N	40.6	.	1.7	26	9-3
Maturity Group V					
SS RT 5160N	78.1	.	1.0	27	9-1
SS RT 5130N	60.1	.	1.0	29	9-8
Trial mean	54.1	.	1.4	27	8-31
LSD(0.10)	10.8	.			
CV (%)	21.9	.			

TABLE 8. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, 2006

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
Asgrow AG 4903	29.9	0.0	0	23	9-25
Delta King DK 4667	26.8	0.0	0	29	9-13
Asgrow AG 4801	25.3	0.0	-0	25	9-22
UA 4805	24.8	0.0	0	22	9-23
Delta King DK 4866	22.1	0.0	-0	22	9-21
Delta King 4763RR	21.7	0.0	1	23	9-17
Asgrow AG 4703	21.3	0.0	0	21	9-22
Dekalb DKB 46-51	21.3	0.0	-0	23	9-11
Delta King DK 4461	20.1	0.0	1	21	9-17
Delta King DK 4764	19.4	0.0	1	24	9-12
Delta King 4967RR	19.3	0.0	1	23	9-14
Maturity Group V					
USG 56293	49.2	0.5	1	30	10-4
Ozark	39.1	-0.0	-0	27	9-24
Hutcheson	37.9	0.2	1	24	10-1
Asgrow AG 5905	37.5	1.5	1	34	10-1
Pioneer 95M30	36.6	0.0	-0	30	9-24
USG Allen	33.5	1.2	1	29	10-3
Delta King 52K6	32.4	0.0	1	25	9-28
Delta King 5366RR	31.4	0.5	-0	30	9-25
Delta King 5567	30.7	0.5	-0	25	9-26
USG 7582nRR	28.9	0.2	1	28	9-29
Asgrow AG 5702	28.7	-0.0	1	25	9-28
Delta King 5161RR	28.5	0.2	0	25	9-21
Delta King 55T6	27.8	0.5	0	29	9-27
Anand	26.8	-0.0	-0	22	9-23
USG 7553nRS	23.7	0.0	-0	27	9-24
Delta King 5066	22.1	0.0	0	26	9-20
USG 7515nRS	21.9	0.0	0	25	9-22

*continued*



TABLE 8. CONTINUED

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group VI					
Musen	41.5	0.5	-0	29	10-14
USG 620NRR	41.1	1.2	1	30	10-4
Asgrow AG 6301	37.4	1.2	-0	28	10-4
Asgrow AG 6702	36.6	0.5	0	30	10-16
Dekalb DKB 64-51	35.0	0.5	-0	28	10-7
USG 7635nRR	33.0	1.2	0	29	9-29
Pioneer 96M60	32.9	1.2	-0	35	9-28
Maturity Group VII					
Stonewall	46.5	0.2	-0	29	10-16
Dekalb H 7242RR	40.8	0.5	-0	31	10-19
USG 7732nRR	40.6	1.5	-0	31	10-19
Croplan Genetics RC 7402	38.3	0.7	-0	31	10-19
Croplan Genetics RC 7355	35.5	0.0	-0	22	10-18
Asgrow AG 7601	32.1	0.7	-0	27	10-19
Trial mean	31.2	0.3	0	27	
LSD(0.10)	5.3				
CV (%)	18.9				

**TABLE 9. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, THREE-YEAR SUMMARY, 2004-2006**

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2006	2-yr avg	3-yr avg				
	----- bu/acre -----					-- inch --	
Maturity Group IV							
UA 4805	25	42	44	0	0	24	9-21
Delta King 4763RR	22	36	37	0	0	28	9-15
Delta King DK 4866	22	39	.	0	0	27	9-18
Delta King DK 4461	20	36	.	0	1	28	9-14
Asgrow AG 4903	30	.	.	0	0	23	9-25
Delta King DK 4667	27	.	.	0	0	29	9-13
Asgrow AG 4801	25	.	.	0	0	25	9-22
Asgrow AG 4703	21	.	.	0	0	21	9-22
Dekalb DKB 46-51	21	.	.	0	0	23	9-11
Delta King DK 4764	19	.	.	0	1	24	9-12
Delta King 4967RR	19	.	.	0	1	26	9-14
Maturity Group V							
Hutcheson	38	45	48	0	0	26	9-28
Delta King 5366RR	31	37	42	1	0	30	9-26
Anand	27	38	40	0	0	24	9-22
Delta King 5161RR	29	38	40	0	0	28	9-23
Asgrow AG 5905	38	40	.	1	0	34	9-28
USG 7582nRR	29	39	.	0	0	28	9-27
Delta King 5066	22	38	.	1	0	29	9-18
Delta King 5567	31	37	.	0	0	25	9-25
Delta King 55T6	28	37	.	0	0	29	9-26
USG 7553nRS	24	35	.	0	0	26	9-22
USG 56293	49	.	.	1	1	30	10-4
Ozark	39	.	.	0	0	30	9-28
Pioneer 95M30	37	.	.	0	0	30	9-24
USG Allen	34	.	.	1	1	29	10-3
Delta King 52K6	32	.	.	0	1	25	9-28
Asgrow AG 5702	29	.	.	0	1	25	9-28
USG 7515nRS	22	.	.	0	0	25	9-22

*continued*

TABLE 9. CONTINUED

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2006	2-yr avg	3-yr avg				
Maturity Group VI							
Musen	42	36	37	1	0	32	10-13
USG 620NRR	41	42	.	1	0	32	9-30
Pioneer 96M60	33	39	.	1	0	34	9-27
Dekalb DKB 64-51	35	37	.	1	0	31	10-3
USG 7635nRR	33	37	.	1	0	30	9-27
Asgrow AG 6702	37	34	.	1	0	32	10-10
Asgrow AG 6301	37	.	.	1	0	28	10-4
Maturity Group VII							
Stonewall	47	40	43	1	0	32	10-13
USG 7732nRR	41	35	40	2	0	34	10-19
Asgrow AG 7601	32	31	35	1	0	35	10-21
Hartz H 7242RR	41	37	.	1	0	35	10-20
Croplan Genetics RC 7402	38	.	.	1	0	31	10-19
Croplan Genetics RC 7355	36	.	.	0	0	22	10-18
Trial mean	31	38	41	.	.	.	.
LSD(0.10)	5	3	3	.	.	.	.
CV (%)	18	12	13	.	.	.	.

**TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 2006**

Brand-Variety	Yield†	Lodging score	Shattering score	Plant height	Iron Chlorosis‡	Maturity date
	- bu/acre -			- inches -		
Maturity Group IV						
Delta King 4763RR	.	.	.	.	9.7	.
Delta King 4967RR	.	.	.	.	9.5	.
Delta King DK 4461	.	.	.	.	10.0	.
Delta King DK 4866	.	.	.	.	9.8	.
Delta King DK 4667	.	.	.	.	9.5	.
Delta King DK 4764	.	.	.	.	9.7	.
Maturity Group V						
Deltapine DP 5634RR	7.2	1.0	5.0	18.0	7.7	9-27
Deltapine DPX5520RR/S	6.5	1.0	4.0	20.0	7.5	10-16
Deltapine DP 5414RR	4.3	1.0	5.0	19.0	9.0	10-7
Croplan Genetics RC 5972	4.1	1.0	5.0	21.0	7.8	9-23
Delta King 55T6	3.4	1.0	5.0	17.0	8.2	9-28
Croplan Genetics RC 5955	3.4	1.0	5.0	17.0	8.1	10-7
Hutcheson	2.4	1.0	5.0	15.5	7.7	9-23
Delta King 5366RR	1.6	1.0	5.0	12.0	8.7	10-10
Croplan Genetics RC 5892	1.5	1.0	5.0	16.0	8.8	10-2
Anand	.	.	.	.	8.1	.
Deltapine DP 5915RR	.	.	.	.	9.5	.
Deltapine DP 5808RR	.	.	.	.	9.1	.
Deltapine DPX5914RR	.	.	.	.	8.8	.
Deltapine DPX5115RR/S	.	.	.	.	9.3	.
Pioneer 95M30	.	.	.	.	8.6	.
Delta King 5161RR	.	.	.	.	9.3	.
Delta King 5567	.	.	.	.	9.5	.
Delta King 5066	.	.	.	.	9.3	.
Delta King 52K6	.	.	.	.	9.0	.
Dyna-Gro 36N57	.	.	.	.	10.0	.

*continued*

TABLE 10. CONTINUED

Brand-Variety	Yield†	Lodging score	Shattering score	Plant height	Iron Chlorosis‡	Maturity date
	- bu/acre -			- inches -		
Maturity Group VI						
Pioneer 96M60	11.6	1.0	5.0	24.0	7.8	9-27
Musen	7.5	1.0	2.5	15.0	6.3	10-19
Dyna-Gro 36T60	6.3	1.0	5.0	14.5	7.8	10-5
Deltapine DP 6568RR	5.9	1.0	4.0	15.0	9.1	10-21
Deltapine DP 6880 RR	5.3	1.0	2.0	22.0	7.1	10-14
Dyna-Gro SX06361	4.3	1.0	5.0	14.0	7.1	10-14
Dyna-Gro 37C62	2.7	1.0	5.0	12.5	6.7	9-30
Croplan Genetics RC 6655	2.4	1.0	5.0	16.0	8.7	10-11
Dyna-Gro 34A66	2.4	1.0	5.0	16.0	9.0	10-21
Maturity Group VII						
Dyna-Gro 35K73	14.9	1.0	3.0	19.0	8.1	9-29
Stonewall	10.0	1.0	4.3	16.6	6.7	10-17
Deltapine DPX7330RR	8.1	1.0	5.0	16.0	7.5	10-28
Deltapine DP 7870RR	5.6	1.0	3.0	15.0	8.5	10-24
Deltapine DP 7220RR	.	.	.	.	9.8	.
Trial mean	5.5	1.0	4.4	16.8	8.5	10-8
LSD(0.10)	5.3	0.0	0.6			
CV (%)	100.1	0.0	15.4			

† Due to extreme drought conditions at this locations there was no harvestable yield for a given entry matked with a dot. The high CV for yield indicates that the yield estimate for remaining entries had a large rep to rep variation.

‡ Iron chlorosis was rated on August 26, 2006 on a scale of 1 = no chlorosis to 10 = plants loosing leaves due to necrotic spots in leaves.

TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2006

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group V					
Croplan Genetics RC 5972	86.5	2.5	1.2	35	10-7
Croplan Genetics RC 5955	84.7	3.0	1.0	34	10-10
Hutcheson	84.2	2.7	1.7	30	10-6
Deltapine DP 5915RR	83.8	2.7	1.2	33	10-7
Dyna-Gro 36N57	82.9	3.0	1.5	32	10-2
Croplan Genetics RC 5892	79.0	2.5	1.2	40	10-10
Dyna-Gro 34J56	78.1	3.0	1.2	35	10-3
Pioneer 95M30	77.3	3.2	1.7	33	10-2
Anand	76.7	1.5	1.2	23	10-3
Deltapine DP 5634RR	75.8	3.2	1.2	36	10-4
Deltapine DPX5914RR	75.7	1.7	1.2	29	10-4
Dyna-Gro 32A53	74.1	2.7	1.5	32	10-3
Deltapine DPX5115RR/S	62.5	3.0	1.2	49	10-5
Maturity Group VI					
Dyna-Gro 37C62	88.4	2.2	1.0	36	10-10
Pioneer 96M60	88.3	3.2	1.0	37	10-9
Musen	85.5	3.7	1.0	39	10-20
Dyna-Gro SX06361	85.3	2.5	1.0	27	10-12
Deltapine DP 6568RR	83.1	2.2	1.7	36	10-12
Croplan Genetics RC 6655	82.3	2.2	1.0	36	10-17
Dyna-Gro 36T60	78.2	2.2	1.2	31	10-7
Deltapine DP 6880 RR	77.9	3.0	1.0	37	10-16

*continued*

TABLE 11. CONTINUED

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group VII					
Croplan Genetics RC 7355	95.2	2.0	1.2	35	10-23
Au 02-3104	93.6	2.7	1.0	39	10-26
Au 02-2844	93.1	3.2	1.2	40	10-24
Deltapine DP 7220RR	88.7	2.5	1.0	44	10-21
Deltapine DP 7870RR	82.5	2.7	1.0	44	10-20
Asgrow AG 7601	80.3	2.7	1.0	40	10-26
Dyna-Gro 35K73	80.3	3.0	1.0	38	10-18
Croplan Genetics RC 7402	80.1	3.0	1.0	48	10-20
Deltapine DPX7330RR	79.7	2.0	1.0	36	10-21
Au 02-1126	76.9	2.0	1.0	33	10-21
DeKalb H 7242RR	76.0	2.5	1.0	44	10-20
Stonewall	71.2	2.5	1.0	37	10-18
Maturity Group VIII					
Au 02-2814	92.5	2.7	1.0	43	10-25
Au 02-3223	90.5	3.0	1.2	40	10-26
UGA G04-G2261	81.4	3.0	1.2	35	10-20
Trial mean	82.1	2.6	1.1	36	10-14
LSD(0.10)	6.9	0.4			
CV (%)	9.2	20.2			

**TABLE 12. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, THREE-YEAR SUMMARY, 2004-2006**

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2006	2-yr avg	3-yr avg				
----- bu/acre -----			- inch -				
Maturity Group V							
Croplan Genetics RC 5972	87	65	62	3	1	31	10-14
Hutcheson	84	65	61	3	2	28	10-7
Deltapine DP 5915RR	84	64	61	3	1	33	10-11
Anand	77	60	60	2	1	24	10-9
Deltapine DP 5634RR	76	61	58	3	1	35	10-6
Croplan Genetics RC 5955	85	62	.	3	1	31	10-16
Dyna-Gro 36N57	83	.	.	3	2	32	10-2
Croplan Genetics RC 5892	79	.	.	3	1	41	10-11
Dyna-Gro 34J56	78	.	.	3	1	35	10-3
Pioneer 95M30	77	.	.	3	2	33	10-2
Deltapine DPX5914RR	76	.	.	2	1	29	10-4
Dyna-Gro 32A53	74	.	.	3	2	32	10-3
Deltapine DPX5115RR/S	63	.	.	3	1	49	10-5
Maturity Group VI							
Musen	86	67	61	4	1	34	10-22
Deltapine DP 6880 RR	78	63	58	3	1	37	10-18
Pioneer 96M60	88	68	.	3	1	34	10-17
Deltapine DPX 6568RR	83	66	.	2	1	30	10-17
Dyna-Gro 37C62	88	.	.	2	1	36	10-10
Dyna-Gro SX06361	85	.	.	3	1	27	10-12
Croplan Genetics RC 6655	82	.	.	2	1	36	10-17
Dyna-Gro 36T60	78	.	.	2	1	31	10-7

*continued*



TABLE 12. CONTINUED

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2006	2-yr avg	3-yr avg				
----- bu/acre -----			- inch -				
Maturity Group VII							
Deltapine DP 7220RR	89	69	61	3	1	39	10-28
Deltapine DP 7870RR	83	65	60	3	1	41	10-23
Asgrow AG 7601	80	61	56	3	1	40	10-31
Hartz H 7242RR	76	60	55	3	1	39	10-21
Croplan Genetics RC 7402	80	59	55	3	1	45	10-24
Stonewall	71	58	54	3	1	34	10-21
Croplan Genetics RC 7355	95	74	.	2	1	33	10-25
Au 02-3104	94	.	.	3	1	39	10-26
Au 02-2844	93	.	.	3	1	40	10-24
Dyna-Gro 35K73	80	.	.	3	1	38	10-18
Deltapine DPX7330RR	80	.	.	2	1	36	10-21
Au 02-1126	77	.	.	2	1	33	10-21
Maturity Group VIII							
UGA G04-G2261	81	62	.	3	1	32	10-27
Au 02-2814	93	.	.	3	1	43	10-25
Au 02-3223	91	.	.	3	1	40	10-26
Trial mean	82	64	59	.	.	.	
LSD(0.10)	6.0	3.8	2.8	.	.	.	
CV (%)	8.1	9.3	9.1	.	.	.	

**TABLE 13. CULTURAL PRACTICES FOR SOYBEAN VARIETY TESTS IN 2006**

Location	Type of test	Date planted	Row width	Herbicide used	Fertilizer applied
<i>- inches -</i>					
Belle Mina	Group IV	April 19	7	Treflan, Sencor	none recommended
	Standard	May 22	30	Treflan, Sencor	none recommended
Crossville	Group IV	April 26	7	Dual, Scepter	none recommended
	Standard	May 23	30	Dual, Scepter	none recommended
Tallassee	Group IV	April 14	7	Dual	none recommended
Shorter	Standard	May 18	30	Dual	none recommended
Marion Junction	Standard (Sumter)	May 22	36	Gramoxone	none recommended
	Standard (Vaiden)	May 22	36	Not harvested	none recommended
Brewton	Standard	June 16	36	Not harvested	none recommended
Fairhope	Standard	May 31	38	Prowl	none recommended

**TABLE 14. SOIL TYPES FOR SOYBEAN TESTS, 2006**

Location	Soil Type
Belle Mina	Emory silt loam
Crossville	Wynnvilleville fine sandy loam
Tallassee	Augusta silt loam
Shorter	Cowarts loamy sand
Marion Junction	Sumter clay (high pH soil)
Fairhope	Malbis fine sandy loam

TABLE 15. RAINFALL AT TEST LOCATIONS DURING GROWING SEASON, 2006

Month	Days	Belle Mina	Crossville	Shorter	Tallassee	Marion Junction	Brewton	Fairhope
----- inches -----								
May	1-5	1.4	0.3	0.0	0.1	1.0	0.1	0.1
	6-10	1.3	1.7	0.3	0.3	0.9	5.3	1.0
	11-15	0.9	1.2	3.1	0.3	2.4	1.5	2.1
	16-20	0.1	0.3	0.0	0.0	0.0	0.0	0.0
	21-25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	26-31	0.4	0.0	0.0	0.0	0.0	0.0	0.0
June	1-5	0.7	0.2	0.5	0.5	0.3	0.4	0.1
	6-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11-15	0.5	0.0	0.3	0.3	0.0	1.1	0.9
	16-20	0.2	0.2	0.0	0.0	0.0	0.3	0.0
	21-25	0.1	1.5	0.3	0.0	0.5	0.2	0.2
	26-31	0.1	0.9	0.0	0.0	0.1	0.5	0.0
July	1-5	0.0	0.1	0.0	0.0	0.0	0.0	0.3
	6-10	0.6	0.8	0.0	0.1	1.1	0.9	0.4
	11-15	0.3	0.1	0.0	0.0	0.0	0.0	2.1
	16-20	0.6	0.0	1.3	1.3	0.2	0.2	0.7
	21-25	0.1	0.1	0.2	2.1	0.3	1.2	1.1
	26-31	0.6	0.0	0.6	0.7	0.8	1.2	0.5
August	1-5	0.0	0.0	0.0	0.0	0.0	2.9	1.4
	6-10	0.3	0.0	0.1	0.0	0.3	0.5	0.9
	11-15	1.2	0.5	0.3	2.4	0.5	0.1	0.7
	16-20	0.0	0.2	2.7	0.1	0.4	1.7	1.1
	21-25	0.0	0.7	0.7	0.8	1.1	2.1	1.0
	26-31	0.8	0.3	0.9	1.1	0.1	1.4	1.8
September	1-5	0.0	0.0	0.1	0.0	0.0	0.0	0.0
	6-10	0.0	1.6	0.4	0.0	0.0	.	0.1
	11-15	0.7	0.9	0.8	0.2	1.0	.	2.1
	16-20	0.6	0.9	1.4	1.7	0.1	.	2.7
	21-25	1.6	2.0	0.3	0.3	0.0	.	0.3
	26-31	0.0	0.0	0.1	0.0	0.0	.	0.0
October	1-5	0.0	0.7	0.0	0.0	0.0	.	0.0
	6-10	0.1	0.0	0.0	0.0	0.0	.	0.0
	11-15	0.0	0.2	0.1	0.0	0.0	.	0.1
	16-20	2.5	4.2	1.0	1.1	1.7	.	2.1
	21-25	0.0	0.2	0.4	0.5	0.5	.	0.4
	26-31	0.8	1.2	2.8	2.4	1.7	.	1.1

TABLE 16. ENTRIES AND SOURCES OF SEED FOR SOYBEAN TESTS, 2006

Source	Entry
Alabama Crop Imp. Assoc. Auburn, Alabama	Hutcheson, Stonewall
Croplan Genetics Elkmont, Alabama	Croplan Genetics brand varieties
Delta and Pine Land Company Scott, Mississippi	Deltapine brand varieties
Department of Agronomy & Soils Auburn University, Alabama	Au02-1126, Au02-2814, Au02-2844 Au02-3104, Au02-3223
Delta King Seed Co. McCrory, Arkansas	Delta King brand varieties
Monsanto St. Louis, Missouri	Asgrow, Dekalb brand varieties
Pioneer Hi-Bred International, Inc. Huntsville, Alabama	Pioneer brand varieties
South Carolina Foundation Seed Association Clemson, South Carolina	Musen
Southern States Coop. Richmond, Virginia	SS RT brand varieties
Stratton Seed Company Stuttgart, Arkansas	Schillinger 495 RC
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
University of Georgia Athens, Georgia	G04-G2261
University of Missouri Columbia, Missouri	Anand