Performance of Soybean Varieties in Alabama, 2013

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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.

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 2013 is shown in Table 30. 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 2013 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.

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Table 1. Performance of Group IV Soybean Varieties in Northern Alabama, 2013

Variety	Belle Mina	Cross ville	Regional Average Yield	Lodging score	Shattering score	Plant height	Maturity date
	---------- bu/acre ----------					- inches -	
Maturity Group IV							
Schillinger 495.RC	75.9	84.3	80.1	3.0	1.1	39	9-21
Mycogen 5N451R2	73.2	86.1	79.7	1.8	1.3	33	9-19
Schillinger 4990.RC	67.9	91.4	79.6	2.3	1.0	38	9-20
Terral REV 48R44	75.8	82.1	79.0	1.6	1.0	34	9-18
Terral REV 49R94	72.2	84.7	78.5	1.9	1.0	34	9-14
Schillinger 458.RCS	66.6	87.5	77.1	1.9	1.0	36	9-28
Asgrow AG 4934	68.2	84.4	76.3	1.6	1.0	36	9-17
Dyna-Gro S48RS53	64.8	87.0	75.9	2.1	1.1	33	9-14
Terral REV 46R64	73.0	78.0	75.5	1.8	1.0	31	9-14
HBK RY4620	69.6	80.2	74.9	1.5	1.0	33	9-17
Terral REV 47R34	76.4	72.9	74.7	2.7	1.3	35	9-21
Mycogen 5N478R2	68.5	80.1	74.3	2.3	1.1	38	9-15
SS 4917N R2	68.2	80.0	74.1	1.8	1.0	36	9-15
Asgrow AG 4632	70.6	77.4	74.0	2.0	1.3	33	9-17
NK S 49-F8 Brand	64.9	82.6	73.7	1.8	1.0	33	9-14
HBK RY4721	67.1	80.2	73.6	2.3	1.0	37	9-15
Schillinger 478.RCS	59.4	87.0	73.2	2.1	1.0	35	9-17
HBK LL 4650	74.6	69.7	72.2	1.6	1.3	33	9-9
Terral REV 47R53	73.7	68.5	71.1	2.3	1.0	34	9-13
HBK LL 4850	57.0	84.3	70.7	1.8	1.1	33	9-20
HBK LL 4950	53.8	86.5	70.2	2.6	1.0	42	9-24
USG 74E88	65.6	74.2	69.9	1.8	1.0	36	9-13
SS LL 473N	60.7	78.1	69.4	1.6	1.1	33	9-18
SS 4913N R2	63.3	73.0	68.2	2.3	1.0	36	9-19
Terral REV 48R33	65.8	69.3	67.5	1.9	1.0	32	9-18
GoSoy 4411LL	69.1	64.1	66.6	1.5	1.1	34	9-18
Terral REV 49R22	58.6	69.1	63.9	3.0	1.0	37	9-16
Schillinger 4712R2	65.2	54.9	60.1	2.0	1.0	30	9-9
Progeny P 5111RY	66.5	80.2	73.3	1.6	1.0	33	9-24
Progeny P 5160LL	57.3	81.1	69.2	1.5	1.3	23	9-28
Trial mean	67.1	78.6	72.9	2.0	1.1	34	9-17
LSD(0.10)	6.2	8.7	5.5				
CV (%)	9.1	11.0	10.6				

Table 2. Performance of group IV Soybean Varieties in North Alabama, Three-year Summary, 2011 - 2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg†	3-yr avg†				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group IV							
Schillinger 4990.RC	79.6	73.0	66.2	1.8	1.4	36	9-21
USG 74E88	69.9	66.7	65.2	1.7	1.5	35	9-12
Schillinger 495.RC	80.1	70.4	64.7	2.4	1.7	37	9-20
Terral REV 48R33	67.5	63.3	64.1	2.1	1.4	34	9-14
Terral REV 47R53	71.1	64.9	62.6	1.9	1.2	33	9-13
Terral REV 49R22	63.9	59.7	56.7	2.4	1.8	35	9-17
Dyna-Gro S48RS53	75.9	73.6		1.9	1.4	34	9-16
HBK RY4620	74.9	72.5		1.6	1.3	30	9-19
HBK RY4721	73.6	70.4		1.9	1.3	36	9-17
Asgrow AG 4632	74.0	69.9		1.8	1.3	32	9-18
GoSoy 4411LL	66.6	62.1		1.6	2.1	32	9-18
Mycogen 5N451R2	79.7			1.7	1.3	33	9-21
Terral REV 48R44	79.0			1.6	1.0	33	9-19
Terral REV 49R94	78.5			1.9	1.0	33	9-14
Schillinger 458.RCS	77.1			1.6	1.4	35	9-23
Asgrow AG 4934	76.3			1.6	1.0	35	9-18
Terral REV 46R64	75.5			1.7	1.0	30	9-15
Terral REV 47R34	74.7			2.7	1.3	34	9-22
Mycogen 5N478R2	74.3			2.3	1.1	37	9-16
SS 4917N R2	74.1			1.7	1.0	35	9-16
NK S 49-F8 Brand	73.7			1.7	1.0	32	9-15
Schillinger 478.RCS	73.2			1.7	1.4	34	9-17
HBK LL 4650	72.2			1.6	1.3	32	9-10
HBK LL 4850	70.7			1.7	1.1	32	9-22
HBK LL 4950	70.2			2.7	1.0	41	9-25
SS LL 473N	69.4			1.6	1.1	32	9-19
SS 4913N R2	68.2			2.3	1.0	36	9-20
Schillinger 4712R2	60.1			2.0	1.0	29	9-9
Maturity Group V							
Progeny P 5111RY	73.3			1.6	1.0	32	9-25
Progeny P 5160LL	69.2			1.4	1.3	23	9-30
Trial mean	72.9	67.9	63.2	1.8	1.2	33.1	9-19
LSD(0.10)	5.7	4.5	4.3				
CV (%)	10.6	12.7	15.4				

† Multiyear averages do not include the trial at Belle Mina in 2011, which could not be planted due to excessive rain.

Table 3. Performance of Group IV Soybean Varieties in Tallassee, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
	Maturity Group IV				
NK S 49-F8 Brand	72.5	1.0	1.0	39	9-4
Terral REV 49R94	69.9	1.5	1.0	40	9-4
Mycogen 5N451R2	69.0	1.3	1.0	40	9-4
Asgrow AG 4632	68.3	1.3	1.0	40	9-6
Terral REV 47R34	68.2	1.3	1.0	43	9-4
Terral REV 48R44	67.0	1.3	1.0	40	9-4
HBK LL 4650	67.0	1.3	1.0	38	9-5
HBK LL 4950	66.7	2.0	1.0	50	9-9
Terral REV 47R53	63.9	1.5	1.0	39	9-4
Terral REV 46R64	63.1	1.8	1.0	41	9-4
Terral REV 48R33	62.7	1.0	1.0	40	9-4
SS LL 473N	62.0	1.8	1.0	37	9-4
HBK LL 4850	60.2	1.3	1.0	36	9-8
Terral REV 49R22	60.1	1.0	1.0	41	9-4
Mycogen 5N478R2	58.9	1.0	1.0	43	9-4
HBK RY4721	57.3	1.3	1.0	43	9-4
SS 4913N R2	56.9	1.0	1.0	43	9-5
SS 4917N R2	55.5	1.5	1.0	39	9-4
HBK RY4620	50.3	1.0	1.0	38	9-4
Asgrow AG 4934	49.7	1.0	1.0	42	9-6
Trial mean	62.5	1.3	1.0	40	9-4
LSD(0.10)	6.4				
CV (%)	9.7				

Table 4. Performance of group IV Soybean Varieties in Tallassee, Alabama, Three-year Summary, 2011 - 2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group IV							
Terral REV 49R22	60.1	58.5	56.3	1.4	1.9	36	9-9
Terral REV 47R53	63.9	62.2	55.1	1.2	1.6	34	9-6
Terral REV 48R33	62.7	56.0	49.7	1.0	1.4	35	9-6
HBK RY4721	57.3	55.2		1.3	1.5	40	9-10
HBK RY4620	50.3	52.0		1.1	1.5	36	9-11
NK S 49-F8 Brand	72.5			1.0	1.0	39	9-4
Terral REV 49R94	69.9			1.5	1.0	40	9-4
Mycogen 5N451R2	69.0			1.3	1.0	40	9-4
Asgrow AG 4632	68.3			1.3	1.0	40	9-6
Terral REV 47R34	68.2			1.3	1.0	43	9-4
Terral REV 48R44	67.0			1.3	1.0	40	9-4
HBK LL 4650	67.0			1.3	1.0	38	9-5
HBK LL 4950	66.7			2.0	1.0	50	9-9
Terral REV 46R64	63.1			1.8	1.0	41	9-4
SS LL 473N	62.0			1.8	1.0	37	9-4
HBK LL 4850	60.2			1.3	1.0	36	9-8
Mycogen 5N478R2	58.9			1.0	1.0	43	9-4
SS 4913N R2	56.9			1.0	1.0	43	9-5
SS 4917N R2	55.5			1.5	1.0	39	9-4
Asgrow AG 4934	49.7			1.0	1.0	42	9-6
Trial mean	62.5	56.8	53.7	1.3	1.1	39.5	9-5
LSD(0.10)	5.9	5.3	4.4				
CV (%)	8.9	11.9	12.0				

Table 5. Performance of Group IV and V Soybean Varieties in Northern Alabama, 2013

Variety	Belle Mina	Cross ville	Regional Average Yield	Lodging score	Shattering score	Plant height	Maturity date
	---------- bu/acre ----------					- inches -	
Maturity Group IV							
Progeny P 4850RYS	67.7	67.0	67.4	2.2	1.6	38	10-4
Progeny P 4930LL	59.4	67.1	63.2	1.9	1.5	38	10-3
HBK RY4721	65.4	56.9	61.1	2.3	2.1	38	10-4
NK S 49-F8 Brand	60.6	60.3	60.5	1.8	1.8	34	10-5
Mycogen 5N478R2	61.5	57.0	59.3	2.7	1.9	37	10-5
Progeny P 4819LL	61.4	56.7	59.1	1.6	1.8	31	10-6
Progeny P 4900RY	68.0	48.1	58.0	1.6	1.8	31	10-6
HBK LL 4650	61.0	55.0	58.0	2.4	1.9	35	10-7
HBK RY4620	61.3	53.8	57.6	1.8	1.5	34	10-5
HBK LL 4950	57.8	55.3	56.6	1.8	1.5	40	10-4
Progeny P 4928LL	55.7	56.9	56.3	2.3	1.4	39	10-2
HBK LL 4850	60.8	50.9	55.9	1.8	1.6	31	10-5
Maturity Group V							
Progeny P 5213RY	62.5	75.8	69.1	2.7	1.5	41	9-30
Terral REV 51R53	64.1	64.5	64.3	1.8	1.3	35	10-3
Syngenta NK S 52-Y2	61.2	67.2	64.2	2.4	1.4	36	9-30
Progeny P 5111RY	59.3	63.4	61.3	1.8	1.4	35	10-8
Progeny P 5333RY	60.8	61.5	61.2	2.7	1.4	35	10-5
Terral REV 53R23	61.7	60.5	61.1	1.5	1.4	27	10-1
Progeny P 5210RY	57.1	64.5	60.8	2.4	1.3	33	10-4
UA 5213 C	61.8	59.8	60.8	2.6	1.4	34	10-3
Dyna-Gro S54RY43	56.6	62.4	59.5	2.1	1.0	36	10-9
Progeny P 5460LL	59.3	59.3	59.3	2.4	1.3	40	10-3
Schillinger 5220.RC	56.7	61.6	59.1	2.1	1.8	38	10-7
SS 5213NR2	62.1	55.5	58.8	2.5	1.5	36	10-8
Terral REV 52R74	63.9	53.5	58.7	2.3	2.1	36	10-6
GoSoy 5410 LL	58.2	58.5	58.3	2.7	1.4	40	10-3
USG 75Q42R	56.1	60.4	58.2	2.1	1.1	36	10-8
R04-1268 RR	58.0	57.9	57.9	2.5	1.0	35	9-29
Terral REV 54R84	52.6	63.0	57.8	2.7	1.4	30	9-28
GoSoy 5312 LL	55.7	57.6	56.6	3.3	1.5	41	10-4
Bayer HBK LL 5350	60.0	53.1	56.5	1.5	1.6	30	10-7
Progeny P 5160LL	59.0	52.8	55.9	1.5	1.5	27	10-4
SS LL 513N	52.1	58.4	55.2	1.6	1.0	38	9-27
Ozark	58.2	51.4	54.8	2.7	1.0	31	9-28
Bayer HBK RY5221	57.7	51.4	54.6	2.9	1.6	39	10-9
AGS 533LL	48.1	56.3	52.2	1.6	1.5	41	10-3
Bayer HBK RY5421	47.9	48.5	48.2	3.1	1.4	33	10-3
Trial mean	59.2	58.5	58.8	2.2	1.5	35	10-4
LSD(0.10)	4.1	8.3	4.9				
CV (%)	6.8	14.0	11.6				

Table 6. Performance of group IV and V Soybean Varieties in Northern Alabama, Three-year Summary, 2011 - 2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group IV							
Progeny P 4928LL	56.3	52.8	49.1	2.0	1.5	37	9-29
HBK RY4721	61.1	60.3		1.8	1.8	39	10-5
Progeny P 4900RY	58.0	59.6		1.4	1.5	32	10-6
Progeny P 4819LL	59.1	56.4		1.6	1.5	33	10-6
HBK RY4620	57.6	53.1		1.4	1.3	34	10-6
Progeny P 4850RYS	67.4			2.1	1.7	37	10-6
Progeny P 4930LL	63.2			1.9	1.6	38	10-5
NK S 49-F8 Brand	60.5			1.7	1.9	34	10-8
Mycogen 5N478R2	59.3			2.7	2.0	37	10-8
HBK LL 4650	58.0			2.3	2.0	34	10-9
HBK LL 4950	56.6			1.7	1.6	39	10-6
HBK LL 4850	55.9			1.7	1.7	29	10-7

continued

Table 6. continued

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group V							
Terral REV 51R53	64.3	58.8	55.7	2.2	1.2	35	10-5
Progeny P 5210RY	60.8	60.2	55.5	2.7	1.2	32	10-5
Schillinger 5220.RC	59.1	56.2	51.4	2.3	1.4	37	10-6
Ozark	54.8	51.1	51.3	2.6	1.2	31	10-4
Progeny P 5111RY	61.3	53.0	51.1	2.1	1.3	36	10-6
Progeny P 5460LL	59.3	53.5	50.1	2.1	1.3	35	10-4
Terral REV 53R23	61.1	58.1		1.3	1.3	27	10-6
Dyna-Gro S54RY43	59.5	57.6		2.0	1.0	35	10-13
Terral REV 54R84	57.8	57.3		2.4	1.2	29	10-5
Terral REV 52R74	58.7	56.2		2.0	1.8	37	10-9
Bayer HBK RY5221	54.6	53.2		2.4	1.4	39	10-11
GoSoy 5410 LL	58.3	52.2		1.9	1.3	38	10-5
Bayer HBK RY5421	48.2	49.4		2.4	1.3	31	10-7
Progeny P 5213RY	69.1			2.7	1.6	40	10-1
Syngenta NK S 52-Y2	64.2			2.4	1.4	35	10-3
Progeny P 5333RY	61.2			2.6	1.4	35	10-8
UA 5213 C	60.8			2.6	1.4	33	10-5
SS 5213NR2	58.8			2.6	1.6	35	10-9
USG 75Q42R	58.2			2.1	1.1	35	10-10
R04-1268 RR	57.9			2.4	1.0	34	9-30
GoSoy 5312 LL	56.6			3.3	1.6	41	10-5
Bayer HBK LL 5350	56.5			1.4	1.7	29	10-9
Progeny P 5160LL	55.9			2.1	1.4	28	10-3
SS LL 513N	55.2			1.6	1.0	37	9-29
AGS 533LL	52.2			1.6	1.6	40	10-4
Trial mean	58.8	55.5	52.0	2.1	1.4	35	10-6
LSD(0.10)	7.2	7.5	7.7				
CV (%)	11.6	12.8	13.9				

Table 7. Performance of Mid-Late group V Soybean Varieties in Northern Alabama, 2013

Variety	Belle Mina	Cross ville	Regional Average Yield	Lodging score	Shattering score	Plant height	Maturity date
	---------- bu/acre ----------					- inches -	
Maturity Group V							
Osage	58.6	66.3	62.5	2.3	1.0	38	9-28
SS 5513NR2	54.2	70.4	62.3	3.0	1.0	46	10-2
Progeny P 5555RY	55.4	68.5	61.9	3.7	1.3	40	10-2
Dyna-Gro S56RY84	52.9	68.1	60.5	2.8	1.2	42	9-30
Asgrow AG 5534	45.8	74.6	60.2	2.2	1.3	51	9-29
SS LL 595N	51.8	68.6	60.2	2.0	1.0	40	9-29
SS 5711NR2	42.4	76.7	59.5	3.0	1.0	39	9-29
SS 5911NR2	43.0	74.2	58.6	2.3	1.3	42	10-4
Terral REV 55R53	50.8	66.2	58.5	3.2	1.2	41	9-28
Terral REV 59R13	53.6	62.1	57.8	2.2	1.2	42	10-2
Progeny P 5711RY	45.0	70.0	57.5	3.2	1.0	40	9-29
AGS 5911LL	49.9	62.9	56.4	2.5	1.0	42	9-29
SS 5511NR2	49.0	63.7	56.3	2.5	1.2	40	9-30
Progeny P 5960LL	56.5	56.1	56.3	2.0	1.2	41	9-30
UA 5612	55.4	56.8	56.1	4.3	1.3	40	9-27
Progeny P 5610RY	46.1	62.4	54.3	2.8	1.0	41	9-29
Terral REV 56R63	43.1	63.8	53.5	2.8	1.0	48	10-2
USG Allen RR	45.0	61.6	53.3	2.2	1.2	43	10-3
Dyna-Gro 39RY57	42.8	63.6	53.2	3.5	1.0	41	9-29
Terral REV 57R21	43.0	62.1	52.6	3.2	1.0	39	10-4
Asgrow AG 5634	45.8	57.9	51.9	2.7	1.7	43	10-1
Terral REV 56R21	42.7	58.2	50.4	2.7	1.0	44	9-28
R04-1250 RR	48.2	50.1	49.1	3.3	1.0	41	9-24
Trial mean	48.7	64.6	56.7	2.8	1.1	42	9-30
LSD(0.10)	4.8	8.7	5.2				
CV (%)	9.6	13.3	12.8				

Table 8. Performance of Mid-Late group V Soybean Varieties in Northern Alabama, Three-year Summary, 2011 - 2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg[†]				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group V							
Progeny P 5711RY	57.5	58.8	57.6	2.8	1.3	35	10-9
Dyna-Gro 39RY57	53.2	55.4	56.8	3.1	1.1	34	10-8
Osage	62.5	59.3	56.3	2.2	1.0	33	10-4
Progeny P 5610RY	54.3	55.8	55.5	2.7	1.0	35	10-7
USG Allen RR	53.3	56.5	55.2	2.2	1.2	37	10-14
Progeny P 5960LL	56.3	56.2	54.3	2.1	1.2	36	10-8
Terral REV 56R63	53.5	54.9	54.1	2.7	1.2	39	10-11
Terral REV 56R21	50.4	52.1	53.3	2.8	1.2	37	10-7
Terral REV 57R21	52.6	57.4	53.1	2.7	1.3	39	10-7
SS 5911NR2	58.6	59.5		2.1	1.2	36	10-12
UA 5612	56.1	57.8		3.4	1.2	34	10-10
Terral REV 59R13	57.8	56.7		2.2	1.1	39	10-13
Terral REV 55R53	58.5	56.5		2.4	1.2	34	10-12
AGS 5911LL	56.4	55.3		2.2	1.1	37	10-11
SS 5513NR2	62.3			3.0	1.0	46	10-2
Progeny P 5555RY	61.9			3.7	1.3	40	10-2
Dyna-Gro S56RY84	60.5			2.8	1.2	42	9-30
Asgrow AG 5534	60.2			2.2	1.3	51	9-29
SS LL 595N	60.2			2.2	1.2	37	9-30
SS 5711NR2	59.5			3.0	1.0	39	9-29
SS 5511NR2	56.3			2.5	1.2	40	9-30
Asgrow AG 5634	51.9			2.7	1.7	43	10-1
R04-1250 RR	49.1			3.3	1.0	41	9-24
Trial mean	56.7	56.6	55.1	2.6	1.2	38.5	10-6
LSD(0.10)	5.4	5.0	5.5				
CV (%)	12.8	11.9	13.3				

Table 9 Performance of Group VI and VII Soybean Varieties in Northern Alabama, 2013

Variety	Belle Mina	Cross ville	Regional Average Yield	Lodging score	Shattering score	Plant height	Maturity date
	---------- bu/acre ----------					- inches -	
Maturity Group VI							
Progeny P 6710RY	49.9	71.0	60.5	3.5	1.1	40	10-19
SS 6713NR2	44.2	65.4	54.8	2.4	1.1	37	10-18
Maturity Group VII							
Progeny P 7310RY	50.6	72.6	61.6	3.6	1.3	38	10-17
Trial mean	48.2	69.7	59.0	3.2	1.2	39	10-18
LSD(0.10)	5.1	3.0	2.9				
CV (%)	9.4	3.8	6.6				

Table 10. Performance of group VI and VII Soybean Varieties in Northern Alabama, Three-year Summary, 2011 - 2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group VI							
Progeny P 6710RY	60.5	59.6	53.8	2.4	1.2	35	10-21
SS 6713NR2	54.8			2.4	1.1	37	10-18
Maturity Group VII							
Progeny P 7310RY	61.6	58.2	56.2	2.7	1.1	33	10-23
Trial mean	59.0	58.9	55.0	2.5	1.1	35.0	10-20
LSD(0.10)	3.0	3.4	5.4				
CV (%)	6.6	7.2	12.0				

Table 11. Performance of group IV and V Soybean Varieties at Shorter, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
Mycogen 5N451R2	62.6			32	9-17
Progeny P 4928LL	61.9			34	9-23
Progeny P 4850RYS	60.4			33	9-23
HBK LL 4650	59.2			31	9-14
HBK RY4620	59.2			31	9-16
Progeny P 4930LL	59.1			31	9-23
HBK LL 4850	58.9			30	9-18
HBK LL 4950	56.7			35	9-23
Progeny P 4900RY	56.0			29	9-18
Mycogen 5N478R2	55.7			34	9-17
Mycogen 5N431R2	54.0			29	9-14
HBK RY4721	52.4			34	9-17
Progeny P 4819LL	51.5			29	9-18
Mycogen 5N423R2	46.3			28	9-13
Maturity Group V					
SS LL 513N	69.9			34	9-23
Progeny P 5213RY	68.9			37	9-17
SS 5213NR2	66.1			28	9-23
AGS 533LL	65.9			36	9-23
Progeny P 5160LL	63.0			22	9-23
Progeny P 5160LL	63.0			22	9-23
Terral REV 51R53	62.6			32	9-24
Terral REV 54R84	61.8			23	9-21
UA 5213 C	60.7			25	9-22
Terral REV 52R74	59.2			31	9-20
Bayer HBK RY5221	59.0			35	9-24
Bayer HBK LL 5350	58.5			22	9-24
Progeny P 5333RY	57.8			26	9-22
Terral REV 53R23	57.6			21	9-20
Progeny P 5111RY	57.4			24	9-23
Progeny P 5111RY	57.4			24	9-23
Ozark	56.6			22	9-22
Progeny P 5460LL	56.1			34	9-23
Bayer HBK RY5421	55.9			26	9-21
R04-1268 RR	53.7			24	9-21
Progeny P 5210RY	53.1			23	9-23
Trial mean	61.0			37	9-28
LSD(0.10)	5.4				
CV (%)	8.4				

Table 12. Performance of group IV and V Soybean Varieties at Shorter, Alabama, Three-year Summary, 2011-2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group IV							
Progeny P 4928LL	61.9	60.0	46.3	0.0	0.5	37	9-25
Progeny P 4900RY	56.0	58.5		0.0	0.5	31	9-23
Progeny P 4819LL	51.5	56.9		0.0	0.0	33	9-22
Mycogen 5N451R2	62.6					32	9-17
Progeny P 4850RYS	60.4					33	9-23
HBK LL 4650	59.2					31	9-14
HBK RY4620	59.2					31	9-16
Progeny P 4930LL	59.1					31	9-23
HBK LL 4850	58.9					30	9-18
HBK LL 4950	56.7					35	9-23
Mycogen 5N478R2	55.7					34	9-17
Mycogen 5N431R2	54.0					29	9-14
HBK RY4721	52.4					34	9-17
Mycogen 5N423R2	46.3					28	9-13
HBK RY4721	52.4					34	9-17
Maturity Group V							
Progeny P 5160LL	63.0	64.3	55.8	0.0	0.0	29	9-30
Terral REV 51R53	62.6	62.8	53.5	0.0	0.0	35	9-28
Ozark	56.6	59.6	49.9	0.0	0.0	30	9-27
Progeny P 5210RY	53.1	58.1	48.8	0.0	0.0	32	9-28
Progeny P 5111RY	57.4	56.8	46.7	0.0	0.8	34	9-25
Progeny P 5460LL	56.1	57.1	45.3	0.0	0.8	35	9-26
Terral REV 53R23	57.6	60.2		0.0	0.0	26	9-23
Terral REV 52R74	59.2	59.8		0.0	0.3	36	9-25
Bayer HBK RY5421	55.9	59.6		0.5	0.0	30	9-25
Terral REV 54R84	61.8	59.2		3.3	0.0	28	9-25
Bayer HBK RY5221	59.0	57.5		0.0	0.5	39	9-25
SS LL 513N	69.9					34	9-23
Progeny P 5213RY	68.9					37	9-17
SS 5213NR2	66.1					28	9-23
AGS 533LL	65.9					36	9-23
UA 5213 C	60.7					25	9-22
Bayer HBK LL 5350	58.5					22	9-24
Progeny P 5333RY	57.8					26	9-22
R04-1268 RR	53.7					24	9-21
Trial mean	58.7	59.3	49.5	0.3	0.2	31	9-22
LSD(0.10)	6.4	5.5	5.3				
CV (%)	10.3	8.7	9.9				

Table 13. Performance Performance of Mid-Late group V Soybean Varieties ot Shorter, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
	Maturity Group V				
Progeny P 5555RY	63.2			26	9-25
Progeny P 5711RY	58.4			26	9-24
Asgrow AG 5534	58.2			28	9-25
SS 5513NR2	58.2			28	9-25
Progeny P 5960LL	57.9			25	9-26
Terral REV 55R53	57.6			22	9-24
UA 5612	57.2			26	9-25
AGS 5911LL	57.1			26	9-27
SS 5711NR2	54.7			26	9-24
SS LL 595N	53.4			24	9-25
Asgrow AG 5634	52.5			27	9-25
Progeny P 5610RY	50.9			25	9-24
SS 5511NR2	50.3			26	9-23
Terral REV 57R21	49.9			29	9-25
Terral REV 56R63	49.3			27	9-26
R04-1250 RR	48.6			24	9-24
Osage	48.5			19	9-23
SS 5911NR2	48.1			21	10-2
Terral REV 56R21	47.1			24	9-25
Terral REV 59R13	46.2			21	9-26
Trial mean	53.4			25	9-25
LSD(0.10)	6.4				
CV (%)	11.3				

Table 14. Performance of Mid-Late group V Soybean Varieties at Shorter, Alabama, Three-year Summary, 2011-2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg[†]				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group V							
UA 5612	57.2	60.6		0.3	0.0	33	9-28
Progeny P 5711RY	58.4	60.2		0.0	0.0	31	9-28
Terral REV 55R53	57.6	60.1		0.0	0.0	29	9-28
Progeny P 5960LL	57.9	56.3		0.0	0.3	32	9-30
Terral REV 57R21	49.9	55.8		0.0	0.3	34	9-27
Terral REV 56R63	49.3	55.2		0.0	0.0	34	9-30
AGS 5911LL	57.1	55.1		0.0	0.3	31	9-30
Osage	48.5	54.7		0.0	0.0	27	9-27
Progeny P 5610RY	50.9	54.0		0.0	0.3	31	9-28
Terral REV 56R21	47.1	52.3		0.0	0.0	31	9-28
SS 5911NR2	48.1	51.7		0.0	0.3	28	10-5
Terral REV 59R13	46.2	50.1		0.0	0.0	29	9-30
Progeny P 5555RY	63.2					26	9-25
Asgrow AG 5534	58.2					28	9-25
SS 5513NR2	58.2					28	9-25
SS 5711NR2	54.7					26	9-24
SS LL 595N	53.4					24	9-25
Asgrow AG 5634	52.5					27	9-25
SS 5511NR2	50.3					26	9-23
R04-1250 RR	48.6					24	9-24
Trial mean	53.4	55.5		0.0	0.1	29	9-27
LSD(0.10)	5.5	5.5					
CV (%)	9.8	9.3					

[†] Three-year averages not available; this is only the second year of this test.

Table 15. Performance of group VI and VII Soybean Varieties ot Shorter, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group VI					
Progeny P 6710RY	62.4			33	10-11
SS 6713NR2	57.5			28	10-6
Asgrow AG 6534	57.3			26	10-10
Asgrow AG 6834	56.5			31	10-15
Maturity Group VII					
Progeny P 7310RY	65.0			29	10-12
NK Brand S78-G6	61.0			32	10-11
AGS 767 RR	60.5			27	10-12
AGS 787 RR	57.1			29	10-13
Henderson	59.1			29	10-16
AGS 828 RR	51.1			28	10-13
Trial mean	58.8			29	10-12
LSD(0.10)	6.1				
CV (%)	9.7				

Table 16. Performance of group VI and VII Soybean Varieties at Shorter, Alabama, Three-year Summary, 2011-2013

Variety	Yield 2013	Yield 2-yr avg	Yield 3-yr avg	Lodging score	Shattering score	Plant height	Maturity date
	--------- bu/acre -------					*- inch -*	
Maturity Group VI							
Progeny P 6710RY	62.4	54.8	53.1	0.0	0.0	33	10-18
SS 6713NR2	57.5					28	10-6
Asgrow AG 6534	57.3					26	10-10
Asgrow AG 6834	56.5					31	10-15
Maturity Group VII							
Progeny P 7310RY	65.0	58.2	56.0	0.0	0.0	31	10-19
AGS 787 RR	57.1	51.8		0.0	0.0	34	10-15
NK Brand S78-G6	61.0					32	10-11
AGS 767 RR	60.5					27	10-12
Maturity Group VIII							
Henderson	59.1	56.6	56.0	0.0	0.0	33	10-21
AGS 828 RR	51.1					28	10-13
Trial mean	58.8	55.3	55.0	0.0	0.0	30	10-14
LSD(0.10)	3.9	4.3	4.9				
CV (%)	6.2	6.9	7.6				

Table 17. Performance of group IV and V Soybean Varieties on Vaiden Soil, Marion Junction, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
	Maturity Group IV				
HBK RY4721	48.4	1.0	1.0	31	9-25
Progeny P 4850RYS	48.2	1.0	1.0	32	9-27
Mycogen 5N478R2	44.5	1.0	1.0	34	9-25
Mycogen 5N451R2	43.7	1.0	1.0	30	9-26
HBK RY4620	43.6	1.0	1.0	28	9-28
Progeny P 4930LL	42.7	1.0	1.0	28	9-28
Progeny P 4900RY	39.6	1.0	1.0	27	9-29
Progeny P 4928LL	39.5	1.0	1.3	27	10-2
HBK LL 4950	38.7	1.0	1.0	29	9-30
HBK LL 4650	36.7	1.0	1.0	30	9-26
Progeny P 4819LL	35.1	1.0	1.0	26	9-30
HBK LL 4850	31.7	1.0	1.0	23	9-30
Mycogen 5N431R2	23.4	1.0	1.0	24	9-27
Mycogen 5N423R2	19.2	1.0	1.0	23	9-26

continued

Table 17. continued

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
	Maturity Group V				
Asgrow AG 5534	51.8	1.0	2.0	35	10-2
Terral REV 56R21	44.9	1.0	1.0	29	10-2
Terral REV 51R53	43.0	1.0	1.0	31	10-2
Progeny P 5210RY	42.8	1.0	1.0	31	10-1
AGS 5911LL	42.1	1.0	1.3	29	10-4
Dyna-Gro S56RY84	42.0	1.0	1.3	30	10-2
Terral REV 55R53	41.8	1.0	1.0	29	9-30
Bayer HBK RY5421	41.4	1.3	1.0	30	10-2
Terral REV 54R84	41.4	1.0	1.0	27	9-29
Terral REV 57R21	41.3	1.3	1.0	36	10-2
AGS 533LL	41.1	1.0	1.0	31	9-30
Progeny P 5610RY	40.7	1.0	1.0	26	10-2
Dyna-Gro 39RY57	40.3	1.0	1.0	29	10-4
Terral REV 56R63	39.9	1.0	1.0	32	10-3
Progeny P 5960LL	39.1	1.0	1.0	28	10-2
Asgrow AG 5634	38.9	1.0	1.0	33	10-3
Osage	38.4	1.0	1.0	21	10-2
Ozark	38.0	1.0	1.0	24	10-2
Progeny P 5711RY	37.9	1.3	1.0	24	10-2
Bayer HBK RY5221	37.8	1.0	1.0	31	10-3
Progeny P 5213RY	37.7	1.0	1.0	31	10-3
Terral REV 59R13	37.4	1.0	1.0	28	10-2
Progeny P 5333RY	37.0	1.3	1.0	27	9-30
Progeny P 5460LL	35.6	1.0	1.0	27	10-1
R04-1250 RR	35.3	1.0	1.0	25	10-1
UA 5612	34.2	1.0	1.0	25	10-2
Bayer HBK LL 5350	33.5	1.0	1.0	22	10-2
Progeny P 5555RY	32.8	1.0	1.3	26	10-3
Progeny P 5160LL	30.0	1.0	1.7	23	10-2
UA 5213 C	27.2	1.0	1.3	21	9-27
R04-1268 RR	24.7	1.0	1.0	23	10-2
Progeny P 5111RY	23.6	1.0	1.0	22	10-2
Trial mean	38.0	1.0	1.1	28	9-30
LSD(0.10)	6.8				
CV (%)	17.1				

Table 18. Performance of group IV and V Soybean Varieties on Vaiden Soil, Marion Junction, Alabama, Three-year Summary, 2011 - 2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group IV							
Progeny P 4928LL	39.5	45.8	40.4	1.1	2.5	33	9-26
Progeny P 4900RY	39.6	46.0		1.1	1.3	30	9-27
Progeny P 4819LL	35.1	43.1		1.0	1.0	28	9-28
HBK RY4721	48.4			1.0	1.0	31	9-25
Progeny P 4850RYS	48.2			1.0	1.0	32	9-27
Mycogen 5N478R2	44.5			1.0	1.0	34	9-25
Mycogen 5N451R2	43.7			1.0	1.0	29	9-26
HBK RY4620	43.6			1.0	1.0	28	9-28
Progeny P 4930LL	42.7			1.0	1.0	28	9-28
HBK LL 4950	38.7			1.0	1.0	29	9-30
HBK LL 4650	36.7			1.0	1.0	30	9-26
HBK LL 4850	31.7			1.0	1.0	23	9-30
Mycogen 5N431R2	23.4			1.0	1.0	24	9-27
Mycogen 5N423R2	19.2			1.0	1.0	23	9-26

continued

Table 18. continued

Variety	Yield 2013	Yield 2-yr avg	Yield 3-yr avg	Lodging score	Shattering score	Plant height	Maturity date
	--------- *bu/acre* -------					*- inch -*	
Maturity Group V							
Progeny P 5610RY	40.7	47.6	45.9	1.3	1.0	31	9-29
Terral REV 56R21	44.9	49.3	45.9	1.2	1.0	31	9-28
Progeny P 5210RY	42.8	48.2	45.3	1.0	1.0	31	9-26
Terral REV 51R53	43.0	47.5	44.9	2.1	1.2	35	9-28
Terral REV 56R63	39.9	45.7	44.3	1.4	1.0	34	10-2
Progeny P 5960LL	39.1	46.6	44.1	1.1	1.0	31	9-30
Progeny P 5711RY	37.9	44.7	43.4	1.1	1.0	29	9-30
Progeny P 5160LL	30.0	43.2	42.6	1.0	1.4	24	9-28
Progeny P 5460LL	35.6	43.1	38.5	1.0	2.1	33	9-27
Progeny P 5111RY	23.6	38.5	37.1	1.1	1.8	30	9-26
Dyna-Gro 39RY57	40.3	48.8		1.0	1.0	31	10-6
Bayer HBK RY5421	41.4	46.7		1.3	1.0	28	10-1
Terral REV 55R53	41.8	46.4		1.6	1.0	29	10-2
Bayer HBK RY5221	37.8	45.2		1.9	1.0	35	10-2
Terral REV 54R84	41.4	44.0		1.4	1.7	26	9-30
Terral REV 59R13	37.4	43.8		1.0	1.0	33	10-5
Asgrow AG 5534	51.8			1.0	2.0	35	10-2
AGS 5911LL	42.1			1.0	1.3	29	10-4
Dyna-Gro S56RY84	42.0			1.0	1.3	30	10-2
Terral REV 57R21	41.3			1.8	1.0	37	9-27
AGS 533LL	41.1			1.0	1.0	31	9-30
Asgrow AG 5634	38.9			1.0	1.0	33	10-3
Osage	38.4			1.0	1.0	21	10-2
Ozark	38.0			1.0	1.0	24	10-2
Progeny P 5213RY	37.7			1.0	1.0	31	10-3
Progeny P 5333RY	37.0			1.3	1.0	27	9-30
R04-1250 RR	35.3			1.0	1.0	25	10-1
UA 5612	34.2			1.0	1.0	25	10-2
Bayer HBK LL 5350	33.5			1.0	1.0	22	10-2
Progeny P 5555RY	32.8			1.0	1.3	26	10-3
UA 5213 C	27.2			1.0	1.3	21	9-27
R04-1268 RR	24.7			1.0	1.0	23	10-2
Trial mean	38.0	45.5	43.0	1.1	1.2	29	9-29
LSD(0.10)	6.8	5.9	6.4				
CV (%)	17.1	12.3	14.0				

Table 19. Performance of group IV and V Soybean Varieties on Sumter Soil, Marion Junction, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date	Iron Chlorosis[†]
	- bu/acre -			- inches -		
	Maturity Group IV					
Progeny P 4819LL	25.5	1.0	1.0	17	9-29	6.2
Progeny P 4928LL	22.5	1.0	1.3	19	9-28	3.8
Mycogen 5N478R2	22.3	1.0	1.3	25	9-28	3.2
Progeny P 4900RY	19.8	1.0	1.0	19	10-5	5.7
HBK RY4721	18.2	1.0	1.0	22	10-1	5.0
Progeny P 4850RYS	16.1	1.0	1.0	25	9-28	5.0
HBK LL 4850	12.9	1.0	1.0	18	10-1	5.8
HBK LL 4650	12.2	1.0	1.0	23	10-5	5.8
HBK RY4620	12.1	1.0	1.0	19	10-5	7.3
Mycogen 5N451R2	10.9	1.0	1.0	21	10-1	7.3
Mycogen 5N431R2	8.5	1.0	1.0	20	9-27	7.8
Progeny P 4930LL	0.0					8.3
HBK LL 4950	0.0					8.8
Mycogen 5N423R2	0.0					7.7

continued

[†] Iron chlorosis ratings made on July 19, 2013. 1 = no chlorosis; 10 = plants losing leaves due to necrotic spots on leaves.

Table 19. continued

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date	Iron Chlorosis†
	- bu/acre -			- inches -		
	Maturity Group V					
Progeny P 5333RY	37.5	1.0	1.0	25	9-27	2.3
Asgrow AG 5534	35.0	1.0	1.0	29	10-2	3.0
Terral REV 56R63	29.1	1.7	1.0	26	10-6	6.5
Progeny P 5555RY	27.1	1.3	1.0	26	10-3	5.2
AGS 5911LL	26.7	1.0	1.0	24	9-27	2.7
Dyna-Gro 39RY57	26.4	1.0	1.0	25	9-28	4.8
Progeny P 5711RY	24.4	1.0	1.0	24	9-29	5.3
Osage	23.4	1.0	1.3	20	9-28	2.8
Terral REV 57R21	23.3	2.0	1.0	27	10-7	6.5
Progeny P 5111RY	22.2	1.0	1.0	22	9-28	6.5
Progeny P 5210RY	21.8	1.0	1.0	19	9-28	5.8
UA 5612	21.6	1.0	1.0	23	9-27	4.0
Terral REV 51R53	21.3	1.0	1.0	23	10-2	6.0
Bayer HBK LL 5350	20.8	1.0	1.0	17	9-27	4.2
Bayer HBK RY5221	20.8	1.0	1.0	21	10-6	5.2
Terral REV 59R13	20.1	1.0	1.0	26	10-3	5.7
Progeny P 5960LL	19.2	1.0	1.0	22	9-28	4.8
R04-1268 RR	19.2	1.0	1.3	21	9-26	4.7
Progeny P 5610RY	19.2	1.0	1.3	20	9-30	5.2
Progeny P 5160LL	19.1	1.0	1.0	19	9-26	5.5
UA 5213 C	18.8	1.0	1.5	21	9-26	5.5
Terral REV 56R21	17.4	1.0	1.0	23	9-29	5.3
R04-1250 RR	17.1	1.0	1.3	23	10-1	6.7
Terral REV 54R84	9.8	1.0	1.0	21	9-25	6.5
AGS 533LL	9.8	1.0	1.0	21	10-4	6.7
Bayer HBK RY5421	9.6	1.0	1.0	18	10-7	7.5
Asgrow AG 5634	8.1	1.0	2.0	22	10-4	7.0
Progeny P 5460LL	8.0	1.0	1.0	15	10-3	7.2
Terral REV 55R53	5.9	1.0	1.0	19	10-4	7.7
Ozark	5.3	1.0	1.0	18	9-30	7.0
Dyna-Gro S56RY84	0.0					7.8
Progeny P 5213RY	0.0					8.8
Trial mean	16.7	1.0	1.1	22	9-30	5.8
LSD(0.10)	11.2					
CV (%)	63.7					

† Iron chlorosis ratings made on July 19, 2013. 1 = no chlorosis; 10 = plants losing leaves due to necrotic spots on leaves.

Table 20. Performance of group IV and V Soybean Varieties on Sumter Soil, Marion Junction, Alabama, Three-year Summary, 2011 - 2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date	Iron Chlorosis
	2013	2-yr avg	3-yr avg					
	--------- *bu/acre* -------					*- inch -*		
Maturity Group IV								
Progeny P 4928LL	22.5	24.0	18.4	1.0	1.3	17	10-8	3.3
Progeny P 4900RY	19.8	23.5		1.0	1.3	20	10-11	3.7
Progeny P 4819LL	25.5	20.5		1.0	1.6	16	10-10	5.9
Mycogen 5N478R2	22.3			1.0	1.3	25	9-28	3.2
HBK RY4721	18.2			1.0	1.0	22	10-1	5.0
Progeny P 4850RYS	16.1			1.0	1.0	25	9-28	5.0
HBK LL 4850	12.9			1.0	1.0	18	10-1	5.8
HBK LL 4650	12.2			1.0	1.0	23	10-5	5.8
HBK RY4620	12.1			1.0	1.0	19	10-5	7.3
Mycogen 5N451R2	10.9			1.0	1.0	21	10-1	7.3
Mycogen 5N431R2	8.5			1.0	1.0	20	9-27	7.8
Progeny P 4930LL	0.0							8.3
HBK LL 4950	0.0							8.8
Mycogen 5N423R2	0.0							7.7

continued

Table 20. continued

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date	Iron Chlorosis
	2013	2-yr avg	3-yr avg					
	--------- *bu/acre* -------					*- inch -*		
				Maturity Group V				
Terral REV 56R63	29.1	27.5	22.1	1.2	1.2	20	10-10	5.1
Progeny P 5960LL	19.2	24.5	21.8	1.0	1.4	21	10-1	2.4
Progeny P 5210RY	21.8	25.0	20.6	1.0	1.2	16	9-30	3.5
Terral REV 51R53	21.3	23.3	19.9	1.0	1.2	21	10-11	5.5
Progeny P 5610RY	19.2	22.8	19.8	1.0	1.9	19	10-4	3.3
Progeny P 5711RY	24.4	23.0	19.6	1.0	1.6	17	9-30	4.8
Progeny P 5160LL	19.1	21.5	17.1	1.0	1.4	15	9-29	3.5
Terral REV 56R21	17.4	18.7	15.7	1.0	1.0	17	10-9	5.2
Progeny P 5460LL	8.0	12.5	10.1	1.0	2.2	17	10-12	5.3
Progeny P 5111RY	22.2	9.4	8.0	1.0	2.6	17	9-23	7.6
Dyna-Gro 39RY57	26.4	33.4		1.0	1.6	21	10-1	2.8
Terral REV 59R13	20.1	21.8		1.0	1.0	20	10-10	5.1
Bayer HBK RY5221	20.8	19.6		1.0	1.0	19	10-14	5.1
Bayer HBK RY5421	9.6	14.1		1.0	1.3	14	10-12	5.9
Terral REV 54R84	9.8	7.9		1.0	1.8	13	10-12	6.2
Terral REV 55R53	5.9	5.2		1.0	2.0	16	10-12	6.6
Progeny P 5333RY	37.5			1.0	1.0	25	9-27	2.3
Asgrow AG 5534	35.0			1.0	1.0	29	10-2	3.0
Progeny P 5555RY	27.1			1.3	1.0	26	10-3	5.2
AGS 5911LL	26.7			1.0	1.0	24	9-27	2.7
Osage	23.4			1.0	1.3	20	9-28	2.8
Terral REV 57R21	23.3			2.0	1.0	27	10-7	7.0
UA 5612	21.6			1.0	1.0	23	9-27	4.0
Bayer HBK LL 5350	20.8			1.0	1.0	17	9-27	4.2
R04-1268 RR	19.2			1.0	1.3	21	9-26	4.7
UA 5213 C	18.8			1.0	1.5	21	9-26	5.5
R04-1250 RR	17.1			1.0	1.3	23	10-1	6.7
AGS 533LL	9.8			1.0	1.0	21	10-4	6.7
Asgrow AG 5634	8.1			1.0	2.0	22	10-4	7.0
Ozark	5.3			1.0	1.0	18	9-30	7.0
Dyna-Gro S56RY84	0.0							7.8
Progeny P 5213RY	0.0							8.8
Trial mean	16.7	19.9	17.6	1.0	1.3	20	10-3	5.4
LSD(0.10)	11.0	8.9	7.6					
CV (%)	62.7	42.3	40.4					

Table 21. Performance of group VI and VII Soybean Varieties on Vaiden Soil, Marion Junction, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group VI					
Dyna-Gro S69RY34	41.9	1.0	1.3	28	10-14
Asgrow AG 6534	41.6	1.0	1.0	26	10-15
Asgrow AG 6834	40.2	1.3	1.3	28	10-16
Progeny P 6710RY	40.1	1.0	1.0	26	10-13
Dyna-Gro S65RY73	38.9	1.0	1.0	29	10-14
USG 76S73R	38.2	1.3	1.3	26	10-15
Maturity Group VII					
AGS 767 RR	49.1	1.3	1.0	29	10-12
Progeny P 7310RY	43.1	1.0	1.0	29	10-16
NK Brand S78-G6	41.1	1.0	1.0	28	10-16
USG 77S63R	39.4	1.0	1.0	26	10-15
USG 77S13R	36.9	1.0	1.0	25	10-16
Dyna-Gro 34RY75	36.0	1.0	1.0	27	10-16
AGS 787 RR	31.6	1.0	1.0	24	10-15
Maturity Group VIII					
Henderson	44.2	1.0	1.0	32	10-13
AGS 828 RR	36.6	1.0	1.0	26	10-15
Trial mean	39.9	1.1	1.1	27	10-15
LSD(0.10)	7.6				
CV (%)	17.9				

Table 22. Performance of group VI and VII Soybean Varieties on Vaiden Soil, Marion Junction, Alabama, Three-year Summary, 2011 - 2013

Variety	Yield 2013	Yield 2-yr avg	Yield 3-yr avg	Lodging score	Shattering score	Plant height	Maturity date
	--------- bu/acre -------					*- inch -*	
Maturity Group VI							
Progeny P 6710RY	40.1	47.1	46.4	1.0	1.0	34	10-15
Dyna-Gro S69RY34	41.9			1.0	1.3	28	10-14
Asgrow AG 6534	41.6			1.0	1.0	26	10-15
Asgrow AG 6834	40.2			1.3	1.3	28	10-16
Dyna-Gro S65RY73	38.9			1.0	1.0	29	10-14
USG 76S73R	38.2			1.3	1.3	26	10-15
Maturity Group VII							
Progeny P 7310RY	43.1	51.5	50.3	1.2	1.0	32	10-15
NK Brand S78-G6	41.1	44.9	42.8	1.6	1.0	35	10-17
Dyna-Gro 34RY75	36.0	46.8		1.4	1.0	33	10-18
AGS 787 RR	31.6	44.1		1.3	1.0	31	10-16
AGS 767 RR	49.1			1.3	1.0	29	10-12
USG 77S63R	39.4			1.0	1.0	26	10-15
USG 77S13R	36.9			1.0	1.0	25	10-16
Maturity Group VIII							
Henderson	44.2	50.5	50.0	1.1	1.2	36	10-17
AGS 828 RR	36.6			1.0	1.0	26	10-15
Trial mean	39.9	47.5	47.4	1.2	1.1	30	10-15
LSD(0.10)	7.6	4.9	3.3				
CV (%)	17.9	9.5	6.2				

Table 23. Performance of group VI and VII Soybean Varieties on Sumter Soil, Marion Junction, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date	Iron Chlorosis[†]
	- bu/acre -			- inches -		
Maturity Group VI						
Asgrow AG 6834	24.7	1.0	1.0	23	10-13	5.5
Progeny P 6710RY	24.4	1.0	1.0	22	10-11	3.7
Dyna-Gro S65RY73	24.2	1.0	1.0	22	10-9	5.2
Dyna-Gro S69RY34	10.3	1.0	1.5	17	10-17	7.0
Asgrow AG 6534	8.0	1.0	1.0	16	10-18	6.8
USG 76S73R	6.7	1.0	1.0	13	10-17	7.2
Maturity Group VII						
NK Brand S78-G6	29.2	1.0	1.0	26	10-13	2.8
AGS 767 RR	21.5	1.0	1.0	19	10-21	5.5
Progeny P 7310RY	21.2	1.0	1.0	22	10-17	4.8
USG 77S63R	7.7	1.0	1.0	15	10-16	5.7
USG 77S13R	6.7	1.0	1.0	16	10-16	7.3
AGS 787 RR	4.8	1.0	1.0	20	10-21	7.8
Dyna-Gro 34RY75	4.3	1.0	1.0	22	10-21	7.0
Maturity Group VIII						
AGS 828 RR	8.8	1.0	1.0	21	10-21	7.3
Henderson	0.0					7.7
Trial mean	13.5	1.0	1.0	20	10-16	6.1
LSD(0.10)	8.3					
CV (%)	57.4					

[†] Iron chlorosis ratings made on July 19 2013. 1 = no chlorosis; 10 = plants losing leaves due to necrotic spots on leaves.

Table 24. Performance of group VI and VII Soybean Varieties on Sumter Soil, Marion Junction, Alabama, Three-year Summary, 2011 - 2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date	Iron Chlorosis
	2013	2-yr avg	3-yr avg					
	--------- *bu/acre* -------					*- inch -*		
Maturity Group VI								
Progeny P 6710RY	24.4	30.9	25.7	1.0	1.0	18	10-16	2.4
Asgrow AG 6834	24.7			1.0	1.0	23	10-13	5.5
Dyna-Gro S65RY73	24.2			1.0	1.0	22	10-9	5.2
Dyna-Gro S69RY34	10.3			1.0	1.5	17	10-17	7.0
Asgrow AG 6534	8.0			1.0	1.0	16	10-18	6.8
USG 76S73R	6.7			1.0	1.0	13	10-17	7.2
Maturity Group VII								
NK Brand S78-G6	29.2	35.6	32.4	1.0	1.0	23	10-18	1.9
Progeny P 7310RY	21.2	29.2	27.1	1.0	1.0	18	10-19	3.4
AGS 787 RR	4.8	19.4		1.0	1.0	19	10-22	5.5
Dyna-Gro 34RY75	4.3	18.5		1.0	1.0	17	10-19	5.6
AGS 767 RR	21.5			1.0	1.0	19	10-21	5.5
USG 77S63R	7.7			1.0	1.0	15	10-16	5.7
USG 77S13R	6.7			1.0	1.0	16	10-16	7.3
Maturity Group VIII								
Henderson	0.0	18.7	19.8	1.0	1.6	20	10-23	5.6
AGS 828 RR	8.8			1.0	1.0	21	10-21	7.3
Trial mean	13.5	25.4	26.2	1.0	1.1	18	10-17	5.5
LSD(0.10)	7.8	8.9	9.7					
CV (%)	54.0	32.0	32.8					

Table 25. Performance of group IV and V Soybean Varieties at Fairhope, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
	Maturity Group IV				
Progeny P 4930LL	56.1	2.0	1.0	43	9-29
Progeny P 4928LL	54.6	2.3	1.0	45	10-6
Progeny P 4850RYS	54.4	2.3	1.0	46	10-5
Progeny P 4819LL	52.8	3.0	1.0	39	10-3
Progeny P 4900RY	51.2	2.0	1.0	39	10-2
Mycogen 5N478R2	48.2	2.5	1.0	44	9-29
	Maturity Group V				
Progeny P 5711RY	62.5	2.0	1.0	36	10-10
Terral REV 54R84	57.6	1.8	1.0	31	10-7
Terral REV 51R53	56.9	2.0	1.0	41	10-10
Progeny P 5160LL	56.5	1.8	1.0	30	10-10
AGS 5911LL	56.2	2.0	1.0	34	10-12
UA 5612	56.2	2.0	1.0	35	10-9
Osage	55.9	1.5	1.0	30	10-8
Progeny P 5610RY	55.7	1.8	1.0	34	10-10
Progeny P 5460LL	55.0	2.0	1.0	45	10-7
Terral REV 55R53	54.9	2.0	1.0	37	10-10
Progeny P 5555RY	54.5	2.0	1.0	38	10-9
Progeny P 5960LL	54.3	2.0	1.0	38	10-11
Progeny P 5111RY	53.8	2.0	1.0	39	10-3
Progeny P 5210RY	53.1	2.3	1.0	38	10-5
Progeny P 5333RY	53.0	2.0	1.0	36	10-5
UA 5213 C	52.7	2.0	1.0	37	10-1
Progeny P 5213RY	52.5	2.0	1.0	48	10-4
Terral REV 56R63	51.6	2.3	1.0	36	10-11
AGS 533LL	51.5	2.5	1.0	46	10-3
Terral REV 56R21	51.3	2.0	1.0	37	10-9
Terral REV 57R21	50.1	2.8	1.0	31	10-9
Ozark	49.2	2.0	1.0	35	10-4
Terral REV 59R13	48.4	2.0	1.0	38	10-7
R04-1250 RR	48.1	2.0	1.0	36	10-4
R04-1268 RR	47.2	2.3	1.0	37	10-5
Trial mean	53.4	2.1	1.0	38	10-6
LSD(0.10)	3.9				
CV (%)	7.0				

Table 26. Performance of group IV and V Soybean Varieties at Fairhope, Alabama, Three-year Summary, 2011-2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group IV							
Progeny P 4928LL	54.6	53.1	41.0	3.0	2.3	38	10-6
Progeny P 4900RY	51.2	48.8		2.5	1.8	36	10-3
Progeny P 4819LL	52.8	48.1		3.4	1.4	36	10-2
Progeny P 4930LL	56.1			2.0	1.0	43	9-29
Progeny P 4850RYS	54.4			2.3	1.0	46	10-5
Mycogen 5N478R2	48.2			2.5	1.0	44	9-29
Maturity Group V							
Terral REV 51R53	56.9	56.1	48.8	3.1	1.3	38	10-10
Terral REV 56R21	51.3	52.0	47.8	2.3	1.3	30	10-8
Progeny P 5711RY	62.5	60.8	47.6	2.2	1.4	29	10-9
Progeny P 5160LL	56.5	50.8	47.6	2.0	1.3	25	10-9
Progeny P 5111RY	53.8	50.7	45.5	2.3	1.8	38	10-4
Progeny P 5460LL	55.0	55.7	45.4	2.7	2.3	37	10-7
Progeny P 5610RY	55.7	53.7	45.3	2.4	1.6	29	10-10
Terral REV 56R63	51.6	50.6	43.2	2.7	1.3	32	10-11
Progeny P 5210RY	53.1	51.5	42.9	2.3	1.3	28	10-7
Progeny P 5960LL	54.3	46.0	42.1	2.3	1.4	32	10-12
Terral REV 54R84	57.6	57.3		2.4	1.9	27	10-6
Terral REV 55R53	54.9	53.6		2.5	1.5	34	10-8
Terral REV 59R13	48.4	45.8		2.5	1.0	37	10-8
AGS 5911LL	56.2	45.7		2.5	1.6	33	10-11
UA 5612	56.2			2.0	1.0	35	10-9
Osage	55.9			1.5	1.0	30	10-8
Progeny P 5555RY	54.5			2.0	1.0	38	10-9
Progeny P 5333RY	53.0			2.0	1.0	36	10-5
UA 5213 C	52.7			2.0	1.0	37	10-1
Progeny P 5213RY	52.5			2.0	1.0	48	10-4
AGS 533LL	51.5			2.5	1.0	46	10-3
Terral REV 57R21	50.1			2.9	1.3	30	10-9
Ozark	49.2			2.0	1.0	35	10-4
R04-1250 RR	48.1			2.0	1.0	36	10-4
R04-1268 RR	47.2			2.3	1.0	37	10-5
Trial mean	53.4	51.8	45.2	2.3	1.3	35	10-6
LSD(0.10)	3.8	6.8	9.3				
CV (%)	6.7	12.4	19.3				

Table 27. Performance of Group VI and VII Soybean Varieties at Fairhope, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group VI					
Asgrow AG 6834	58.4	1.8	1.0	37	10-17
Dyna-Gro S65RY73	58.4	2.0	1.0	38	10-16
Progeny P 6710RY	54.9	2.0	1.0	36	10-16
Dyna-Gro S69RY34	53.5	2.0	1.0	42	10-16
Asgrow AG 6534	50.6	1.0	1.0	34	10-14
Maturity Group VII					
Progeny P 7310RY	61.1	2.0	1.0	38	10-17
Dyna-Gro 34RY75	61.0	2.0	1.0	39	10-18
Asgrow AG 7934	59.1	2.0	1.0	43	10-21
Asgrow AG 7733	56.7	2.0	1.0	39	10-19
Bayer HBK R7028	55.2	2.0	1.0	40	10-18
Bayer HBK RY7523	54.3	2.0	1.0	36	10-19
AGS 767 RR	53.8	1.8	1.0	36	10-17
AGS 787 RR	50.5	2.0	1.0	37	10-16
Maturity Group VIII					
AGS 828 RR	54.9	2.8	1.0	39	10-21
Henderson	54.6	2.0	1.0	39	10-21
Trial mean	55.8	2.0	1.0	38	10-18
LSD(0.10)	4.7				
CV (%)	7.9				

Table 28. Performance of Group VI and VII Soybean Varieties at Fairhope, Alabama, Three-year Summary, 2011-2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group VI							
Progeny P 6710RY	54.9	54.5	44.9	2.1	1.0	31	10-21
Asgrow AG 6834	58.4			1.8	1.0	37	10-17
Dyna-Gro S65RY73	58.4			2.0	1.0	38	10-16
Dyna-Gro S69RY34	53.5			2.0	1.0	42	10-16
Asgrow AG 6534	50.6			1.0	1.0	34	10-14
Maturity Group VII							
Progeny P 7310RY	61.1	61.2	48.4	2.0	1.1	30	10-22
Dyna-Gro 34RY75	61.0	59.9		2.0	1.0	36	10-19
Asgrow AG 7733	56.7	57.6		2.1	1.0	37	10-20
AGS 787 RR	50.5	50.6		2.5	1.0	34	10-18
Asgrow AG 7934	59.1			2.0	1.0	43	10-21
Bayer HBK R7028	55.2			2.0	1.0	40	10-18
Bayer HBK RY7523	54.3			2.0	1.0	36	10-19
AGS 767 RR	53.8			1.8	1.0	36	10-17
Maturity Group VIII							
Henderson	54.6	55.5	46.8	2.5	1.0	32	10-25
AGS 828 RR	54.9			2.8	1.0	39	10-21
Trial mean	55.8	56.5	46.7	2.0	1.0	36	10-19
LSD(0.10)	4.3	4.6	8.9				
CV (%)	7.2	7.4	16.2				

Table 29. Performance of Group IVand V Soybean Varieties at Brewton, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
	Maturity Group IV				
Mycogen 5N478R2	48.7	1.3	0.0	38	9-17
Progeny P 4928LL	41.7	1.0	0.0	31	9-18
Progeny P 4930LL	36.2	1.0	1.7	30	9-16
Progeny P 4900RY	32.3	1.0	0.0	27	9-17
Progeny P 4819LL	29.6	1.0	0.0	27	9-16
Progeny P 4850RYS	22.4	1.0	0.0	30	9-16
	Maturity Group V				
Progeny P 5555RY	63.8	1.0	0.0	33	9-25
Terral REV 55R53	54.1	1.0	0.0	24	9-24
Terral REV 56R63	52.1	1.0	0.0	30	9-27
Progeny P 5610RY	51.5	1.0	0.0	25	9-24
Terral REV 56R21	51.4	1.0	0.0	32	9-25
R04-1268 RR	50.4	1.0	0.0	25	9-23
Progeny P 5210RY	49.8	1.0	0.0	24	9-25
Terral REV 54R84	49.8	1.0	0.0	22	9-24
AGS 5911LL	49.6	1.0	0.0	29	9-29
Terral REV 59R13	49.6	1.0	0.0	24	9-24
Ozark	49.1	1.0	0.0	26	9-24
Terral REV 51R53	47.6	1.0	0.0	32	9-21
R04-1250 RR	47.2	1.0	0.0	30	9-22
Progeny P 5460LL	46.3	1.0	0.0	34	9-24
Progeny P 5711RY	46.2	1.0	0.0	30	9-27
Progeny P 5960LL	45.8	1.0	0.0	27	9-26
Progeny P 5160LL	45.5	1.0	0.0	21	9-22
Terral REV 57R21	45.0	1.0	0.0	34	9-24
Progeny P 5111RY	42.4	1.0	0.0	28	9-23
Progeny P 5333RY	36.9	1.0	0.0	26	9-21
UA 5612	36.6	1.0	0.0	24	9-21
UA 5213 C	36.2	1.0	0.0	21	9-17
Osage	34.1	1.0	0.0	21	9-17
AGS 533LL	32.7	1.0	0.0	32	9-17
Progeny P 5213RY	32.3	1.3	0.0	35	9-18
Trial mean	43.8	1.0	0.1	28	9-21
LSD(0.10)	8.6				
CV (%)	18.5				

Table 30. Performance of Group IVand V Soybean Varieties at Brewton, Alabama, Three-year Summary, 2011-2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group IV							
Progeny P 4928LL	41.7	47.1	37.2	1.0	0.0	30	9-22
Progeny P 4900RY	32.3	42.2		1.0	0.2	26	9-24
Progeny P 4819LL	29.6	40.8		1.0	0.2	26	9-22
Mycogen 5N478R2	48.7			1.3	0.0	38	9-17
Progeny P 4930LL	36.2			1.0	1.7	30	9-16
Progeny P 4850RYS	22.4			1.0	0.0	30	9-16
Maturity Group VI							
Terral REV 56R63	52.1	54.7	50.6	1.0	0.0	27	10-2
Progeny P 5610RY	51.5	52.8	45.9	1.0	0.2	25	9-29
Progeny P 5711RY	46.2	53.9	45.6	1.0	0.0	26	10-1
Progeny P 5160LL	45.5	52.9	45.0	1.0	0.0	20	9-26
Progeny P 5210RY	49.8	55.4	44.9	1.0	0.0	24	9-28
Terral REV 51R53	47.6	52.2	43.8	1.0	0.0	34	9-25
Progeny P 5960LL	45.8	52.0	43.4	1.0	0.0	26	9-30
Progeny P 5111RY	42.4	50.7	42.8	1.0	0.2	28	9-25
Terral REV 56R21	51.4	52.1	42.8	1.0	0.0	27	9-27
Ozark	49.1	50.5	42.2	1.0	0.0	23	9-26
Progeny P 5460LL	46.3	49.6	40.1	1.0	0.1	31	9-28
Osage	34.1	42.6	34.4	1.0	0.0	21	9-25
Terral REV 55R53	54.1	58.5		1.0	0.2	23	10-2
Terral REV 54R84	49.8	57.9		1.0	0.0	24	10-6
AGS 5911LL	49.6	55.6		1.0	0.0	27	10-6
Terral REV 59R13	49.6	52.0		1.0	0.0	25	10-2
UA 5612	36.6	48.6		1.0	0.0	25	10-1
Progeny P 5555RY	63.8			1.0	0.0	33	9-25
R04-1268 RR	50.4			1.0	0.0	25	9-23
R04-1250 RR	47.2			1.0	0.0	30	9-22
Terral REV 57R21	45.0			1.0	0.0	33	9-22
Progeny P 5333RY	36.9			1.0	0.0	26	9-21
UA 5213 C	36.2			1.0	0.0	21	9-17
AGS 533LL	32.7			1.0	0.0	32	9-17
Progeny P 5213RY	32.3			1.3	0.0	35	9-18
Trial mean	43.8	51.1	43.0	1.0	0.1	27	9-25
LSD(0.10)	8.5	6.6	7.6				
CV (%)	18.4	12.1	16.4				

Table 31. Performance of Group VI and VII Soybean Varieties at Brewton, Alabama, 2013

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
	Maturity Group VI				
Asgrow AG 6834	67.9	1.0	0.0	31	10-12
Asgrow AG 6534	60.5	1.0	0.0	27	10-9
Progeny P 6710RY	51.5	1.0	0.0	32	10-9
	Maturity Group VII				
Asgrow AG 7934	66.3	1.0	0.0	39	10-14
AGS 767 RR	65.6	1.0	0.0	28	10-9
NK Brand S78-G6	62.9	1.7	0.0	39	10-9
Progeny P 7310RY	61.1	1.0	0.0	30	10-12
AGS 787 RR	60.8	1.0	0.0	29	10-9
Asgrow AG 7733	59.0	1.0	0.0	34	10-14
Bayer HBK RY7523	57.4	1.0	0.0	30	10-12
Bayer HBK R7028	53.0	1.0	0.0	33	10-9
	Maturity Group VIII				
AGS 828 RR	63.3	1.0	0.0	33	10-12
Henderson	62.7	1.0	0.0	37	10-18
Trial mean	60.9	1.1	0.0	32	10-11
LSD(0.10)	9.1				
CV (%)	14.0				

Table 32. Performance of Soybean Varieties at Brewton, Alabama, Three-year Summary, 2011-2013

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2013	2-yr avg	3-yr avg				
	--------- *bu/acre* -------					*- inch -*	
Maturity Group VI							
Progeny P 6710RY	51.5	57.9	50.5	1.0	0.0	28	10-16
Asgrow AG 6834	67.9			1.0	0.0	31	10-12
Asgrow AG 6534	60.5			1.0	0.0	27	10-9
Maturity Group VII							
Progeny P 7310RY	61.1	63.3	55.5	1.0	0.0	27	10-16
NK Brand S78-G6	62.9	62.4	54.6	1.2	0.0	36	10-16
Asgrow AG 7733	59.0	61.2		1.0	0.0	33	10-19
Asgrow AG 7934	66.3			1.0	0.0	39	10-14
AGS 767 RR	65.6			1.0	0.0	28	10-9
AGS 787 RR	60.8			1.0	0.0	29	10-9
Bayer HBK RY7523	57.4			1.0	0.0	30	10-12
Bayer HBK R7028	53.0			1.0	0.0	33	10-9
Maturity Group VIII							
Henderson	62.7	61.1	56.8	1.0	0.0	35	10-21
AGS 828 RR	63.3			1.0	0.0	33	10-12
Trial mean	60.9	61.2	54.4	1.0	0.0	32	10-13
LSD(0.10)	9.2	10.2	8.1				
CV (%)	14.0	14.6	12.6				

Table 33. Cultural Practices for Soybean Variety Tests in 2013

Location	Type of test	Date planted	Row width	Herbicide applied	Fertilizer applied
			- inches -		
Belle Mina	Group IV	May 3	30	Reflex, Storm	none recommended
	Group IV-V	May 21	30	Select Max	none recommended
	Group Mid-Late V	May 21	30	Select Max	none recommended
	Group VI-VII	May 21	30	Select Max	none recommended
Crossville	Group IV	April 22	30	Dual, Select	none recommended
	Group IV-V	May 15	30	Poast, Valor	none recommended
	Group Mid-Late V	June 28	30	Prowlt, Valor	none recommended
	Group VI-VII	June 21	30	Poast, Valor	none recommended
Tallassee	Group IV	April 24	30	Dual	none recommended
Shorter	Group IV-V	May 24	36	Dual, Prowl	none recommended
	Group VI-VII	June 7	36	Dual, Prowl	none recommended
Marion Junction	Group IV-V (Sumter)	June 11	36	Resource, Blazer	none recommended
	Group VI-VII (Sumter)	June 11	36	Resource, Blazer	none recommended
	Group IV-V (Vaiden)	June 11	36	Resource, Blazer	none recommended
	Group VI-VII (Vaiden)	June 11	36	Resource, Blazer	none recommended
Brewton	Group IV-V	May 24	36	Dual	none recommended
	Group VI-VII	May 24	36	Dual	none recommended
Fairhope	Group IV-V	June 13	38	Prowl, Reflex	none recommended
	Group VI-VII	June 13	38	Prowl, Reflex	none recommended

Table 34. Soil Types for Soybean Tests, 2013

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

Table 35. Rainfall at Test Locations During Growing Season, 2013

Month	Days	Belle Mina	Crossville	Shorter	Tallassee	Marion Junction	Brewton	Fairhope
				inches				
May	1-5	3.17	2.30	1.23	1.52	1.93	2.29	8.75
	6-10	2.12	3.74	0.02	0.00	0.07	0.00	0.00
	11-15	0.11	0.71	0.29	0.24	0.00	0.10	0.34
	16-20	0.92	1.10	0.38	0.44	0.27	0.00	0.00
	21-25	0.18	0.03	0.01	0.00	0.00	0.00	0.34
	26-31	0.00	0.00	0.00	0.00	0.00	0.12	0.00
June	1-5	0.22	0.55	3.98	4.87	0.03	2.11	0.84
	6-10	0.87	1.82	1.03	1.94	1.16	1.71	3.43
	11-15	0.13	0.10	0.29	0.64	1.13	0.36	1.04
	16-20	1.70	3.01	1.97	1.67	0.71	1.38	0.63
	21-25	0.32	0.00	0.06	0.25	0.22	0.59	2.71
	26-31	0.10	0.20	1.47	2.56	0.57	1.31	0.27
July	1-5	5.24	0.71	2.18	3.06	0.29	0.22	0.91
	6-10	1.02	2.37	1.32	2.14	0.88	1.52	3.79
	11-15	1.96	2.10	0.71	0.54	2.13	2.17	7.49
	16-20	0.00	0.01	0.00	0.00	0.00	0.48	0.41
	21-25	0.82	3.57	2.05	1.13	2.42	1.56	0.78
	26-31	0.80	0.03	0.27	0.00	0.00	0.32	3.33
August	1-5	0.19	1.48	0.57	0.72	0.11	0.90	1.09
	6-10	0.93	4.02	1.26	0.76	0.53	2.76	1.08
	11-15	0.84	0.26	3.06	2.91	6.01	0.73	0.72
	16-20	0.21	0.42	0.27	1.35	1.40	1.67	4.44
	21-25	0.06	0.16	0.52	0.51	0.00	1.15	1.28
	26-31	0.00	0.72	0.09	0.57	0.12	0.00	0.09
September	1-5	0.44	1.69	0.09	0.58	0.00	2.31	0.52
	6-10	0.04	0.00	0.04	0.00	0.00	0.40	0.00
	11-15	0.69	0.08	0.16	0.09	0.59	0.30	0.00
	16-20	0.00	0.00	0.00	0.00	0.00	0.80	0.35
	21-25	2.98	1.95	2.16	2.12	1.31	4.34	1.04
	26-31	0.07	0.00	0.01	0.03	0.02	0.06	0.03
October	1-5	0.11	0.00	0.02	0.00	0.00	0.11	0.42
	6-10	0.07	0.15	0.40	0.75	0.69	1.06	0.55
	11-15	0.00	0.00	0.03	0.00	0.00	0.00	0.00
	16-20	0.68	0.03	0.19	0.43	1.11	0.23	0.57
	21-25	0.00	0.00	0.01	0.00	0.00	0.00	0.02
	26-31	0.00	0.12	0.01	0.03	0.00	0.00	0.00

Table 36. Entries and Sources of Seed for Soybean Tests, 2013

Source	Entry
AG South Genetics, LLC Albany, Georgia	AGS brand varieties
Auburn University Auburn, Alabama	Henderson
Bayer CropScience Tifton, Georgia	HBK brand varieties
Crop Production Services Leland, Mississippi	Dyna-Gro brand varieties
Monsanto St. Louis, Missouri	Asgrow AG brand varieties
Mycogen Seed West Monroe, Louisiana	Mycogen brand varieties
Progeny Ag Products Wynne, Arkansas	Progeny brand varieties
Stratton Seed Co. Stuttgart, Arkansas	Schillinger brand varieties, GoSoy brand varieties
Southern States Coop. Richmond, Virginia	SS brand varieties LL brand varieties
Syngenta/NK Brand Seed Indianloa, Mississippi	NK S brand varieties
Terral Seed, Inc. Lake Providence, Louisiana	Terral REV brand varieties
UniSouth Genetics, Inc. Dickson, Tennessee	USG brand varieties, Allen RR
University of Arkansas Fayetteville, Arkansas	UA 5612, Osage, Ozark, UA 5213C, R04-1250RR*, R04-1268RR*

* Experimental lines