

*Performance
of Soybean
Varieties in
Alabama,
2011*

*Agronomy and Soils Departmental Series No. 320
Alabama Agricultural Experiment Station
William Batchelor, Director
Auburn University, Auburn, Alabama,
January 2012*

*Printed in cooperation with the Alabama Cooperative Extension System
(Alabama A&M University and Auburn University)*

TABLE OF CONTENTS

Introduction	4
Experimental procedures	4
Seasonal conditions	5
Comparing varieties.....	5
Acknowledgements	5
Locations of experiments	
NORTHERN ALABAMA	
Table 1. Performance of Group IV Soybean Varieties in Northern Alabama, 2011	6
Table 2. Performance of Group IV Soybean Varieties at Belle Mina, Three-year Summary, 2009 - 2011.....	7
Table 3. Performance of Group IV Soybean Varieties at Tallassee Alabama, 2011	8
Table 4. Performance of Group IV Soybean Varieties at at Tallassee., Three-year Summary, 2009 - 2011.....	9
Table 5. Performance of Group IV and V Soybean Varieties in Northern Alabama, 2011	10
Table 6. Performance of Group IV and V Soybean Varieties in Northern Alabama, Three-year Summary, 2009 - 2011.....	12
Table 7. Performance of Group V Soybean Varieties in Northern Alabama, 2011	14
Table 8. Performance of Group VI and VII Soybean Varieties in Northern Alabama, 2011	16
Table 9. Performance of Group VI and VII Soybean Varieties in Northern Alabama, Three-year Summary, 2009 - 2011.....	17
CENTRAL ALABAMA	
Table 10. Performance of Soybean Varieties at Shorter, Alabama, 2011.....	18
Table 11. Performance of Soybean Varieties at Shorter, Alabama, Three-year Summary, 2009 - 2011.....	20
Table 12. Performance of Group VI and VII Soybean Varieties at Shorter, Alabama, 2011	21
Table 13. Performance of Group VI and VII Soybean Varieties at Shorter, Alabama, Three-year Summary, 2009 - 2011.....	22
Table 14. Performance of of Group IV and V Soybean Varieties on Vaiden Soil, Marion Junction, Alabama, 2011	24
Table 15. Performance of Group IV and V Soybean Varieties on Vaiden Soil, Marion Junction, Alabama, 2011, Three-year Summary, 2009 - 2011	25
Table 16. Performance of of Group IV and V Soybean Varieties on Sumter Soil, Marion Junction, Alabama, 2011	26

Table 17. Performance of of Group VI and VII Soybean Varieties on Vaiden Soil,
 Marion Junction, Alabama, 201127

Table 18. Performance of Group VI and VII Soybean Varieties on Vaiden Soil,
 Marion Junction, Alabama, 2011, Three-year Summary, 2009 - 201128

Table 19. Performance of of Group VI and VII Soybean Varieties on Sumter Soil,
 Marion Junction, Alabama, 201129

SOUTHERN ALABAMA

Table 20. Performance of Soybean Varieties at Fairhope, Alabama, 201130

Table 21. Performance of Soybean Varieties at Fairhope, Alabama,
 Three-year Summary, 2009 - 201131

Table 22 Performance of Group VI and VII Soybean Varieties at Fairhope, Alabama, 201132

Table 23 Performance of Group VI and VII Soybean Varieties at Fairhope, Alabama,
 Three-year Summary, 2009 - 201133

Table 24. Performance of Soybean Varieties at Brewton, Alabama, 201134

Table 25. Performance of Soybean Varieties at Brewton, Alabama,
 Three-year Summary, 2009 and 201136

Table 26. Performance of Soybean Varieties at Brewton, Alabama, 201138

Table 27. Performance of Soybean Varieties at Brewton, Alabama,
 Three-year Summary, 2009 and 201139

ANCILLARY INFORMATION

Table 28. Cultural Practices for Soybean Variety Tests in 201140

Table 29. Soil Types for Soybean Tests, 201140

Table 30. Rainfall at Test Locations During Growing Season, 201141

Table 31. Entries and Sources of Seed for Soybean Tests, 201142

PERFORMANCE OF SOYBEAN VARIETIES IN ALABAMA, 2011

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

Advisor, Natl. Res. Prog., Extension Soybean Specialist, and Professor

INTRODUCTION

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

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 2011 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 2011 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; Joyce Ducar, Sand Mountain Research and Extension Center; Steve Nightengale, E.V. Smith Research Center, Plant Breeding Unit; Shawn Scott, E.V. Smith Research Center, Field Crops Research Unit; Jimmy Holliman, Black Belt Research and Extension Center; Randy Akridge, Brewton Agricultural Research Unit; Malcomb Pegues and Jarrod Jones, Gulf Coast Research and Extension Center.

TABLE 1. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2011

Variety	Belle Mina	Cross ville	Regional Average				
			Yield	Lodging score	Shattering score	Plant height	Maturity date
		----- bu/acre -----	- inches -				
Maturity Group IV							
USG 74H81	†	74.4	74.4	1.3	1.5	36	9-5
Dyna-Gro 39D48		72.5	72.5	1.8	1.8	35	9-5
Terral REV 46R73		72.5	72.5	1.8	2.3	35	9-10
Terral REV 48R33		72.5	72.5	2.8	2.0	38	9-5
USG 74E88		65.8	65.8	2.0	2.0	38	9-4
Terral REV 49R43		64.4	64.4	1.8	1.3	33	9-8
SS RT 4808N		64.2	64.2	1.5	2.0	35	9-9
Terral REV 47R22		64.1	64.1	1.5	2.3	38	9-9
Asgrow AG 4932		63.5	63.5	1.8	1.8	35	9-15
Terral REV 48R22		62.8	62.8	1.5	2.0	32	9-6
Dyna-Gro 37RY47		62.8	62.8	1.3	1.8	31	9-12
Dyna-Gro 39RY43		61.7	61.7	1.3	1.8	29	9-9
SS LL 491N		61.6	61.6	1.0	2.0	36	9-12
SS 4700R2		61.5	61.5	1.3	1.8	32	9-9
Terral REV 49R11		60.7	60.7	1.0	2.0	29	9-6
Asgrow AG 4831		60.6	60.6	1.5	2.0	35	9-12
Terral REV 47R53		60.3	60.3	1.5	1.5	34	9-9
Schillinger 458.RCS		59.9	59.9	1.3	2.0	33	9-11
USG 74A91		59.7	59.7	1.8	1.8	36	9-15
Terral REV 48R21		59.0	59.0	1.8	2.0	32	9-13
Terral REV 48R10		57.8	57.8	2.0	1.8	31	9-3
Terral REV 45R10		56.9	56.9	2.3	2.0	38	9-3
Dyna-Gro 35X43		56.6	56.6	1.5	1.8	30	8-27
Terral REV 44R22		56.2	56.2	1.5	1.5	31	9-2
Dyna-Gro 33RY47		52.7	52.7	1.5	2.0	36	9-9
Terral REV 49R22		51.9	51.9	2.3	1.8	36	9-9
SS 4711NR2		50.6	50.6	2.0	2.0	36	9-11
Schillinger 495.RC		50.6	50.6	2.0	2.0	37	9-13
SS RT 4996N		49.7	49.7	2.3	2.0	35	9-11
Schillinger 4990.RC		48.4	48.4	1.3	2.0	35	9-14
SS LL 499N		47.5	47.5	1.3	1.7	35	9-16
Schillinger 478 RCS		42.5	42.5	1.0	2.0	33	9-15
Maturity Group V							
SS RT 5160N		47.2	47.2	1.8	2.0	31	9-18
Trial mean		59.2	59.2	1.6	1.9	34.2	9-9
LSD(0.10)		10.5	9.1	0.6	0.3	2	1-3
CV (%)		17.5	17.5	39.9	20.7	7	1-1

† Trial at Belle Mina could not be planted due to excessive rain.

TABLE 2. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN NORTH ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
	----- bu/acre -----						
Maturity Group IV							
SS LL 499N	47.5	35.5	48.0	1.1	1.9	48	9-13
Schillinger 495.RC	50.6	39.3	45.5	1.6	2.1	33	9-8
Schillinger 4990.RC	48.4	36.4	45.5	1.2	1.8	31	9-9
SS RT 4808N	64.2	43.8	43.0	1.3	1.5	45	9-7
SS RT 4996N	49.7	37.0	42.2	1.5	1.7	30	9-10
Terral REV 45R10	56.9	47.1		1.5	2.2	35	8-23
Terral REV 48R22	62.8	44.9		1.3	2.0	31	8-28
Terral REV 47R22	64.1	44.7		1.2	2.0	35	8-28
Terral REV 49R11	60.7	44.4		1.0	1.9	29	8-27
Schillinger 458.RCS	59.9	44.2		1.2	1.9	31	9-1
SS 4700R2	61.5	42.9		1.1	1.3	29	8-31
Terral REV 44R22	56.2	42.8		1.2	1.3	29	8-25
USG 74A91	59.7	42.6		1.3	1.5	34	9-5
Terral REV 48R21	59.0	42.4		1.3	1.9	31	9-1
Terral REV 48R10	57.8	41.4		1.5	2.3	31	8-28
Terral REV 49R22	51.9	40.4		1.6	2.2	36	9-1
Schillinger 478 RCS	42.5	34.7		1.0	1.8	31	9-3
USG 74H81	74.4			1.3	1.5	36	9-5
Dyna-Gro 39D48	72.5			1.8	1.8	35	9-5
Terral REV 46R73	72.5			1.8	2.3	35	9-10
Terral REV 48R33	72.5			2.8	2.0	38	9-5
USG 74E88	65.8			2.0	2.0	38	9-4
Terral REV 49R43	64.4			1.8	1.3	33	9-8
Asgrow AG 4932	63.5			1.8	1.8	35	9-15
Dyna-Gro 37RY47	62.8			1.3	1.8	31	9-12
Dyna-Gro 39RY43	61.7			1.3	1.8	29	9-9
SS LL 491N	61.6			1.0	2.0	36	9-12
Asgrow AG 4831	60.6			1.5	2.0	35	9-12
Terral REV 47R53	60.3			1.5	1.5	34	9-9
Dyna-Gro 35X43	56.6			1.5	1.8	30	8-27
Dyna-Gro 33RY47	52.7			1.5	2.0	36	9-9
SS 4711NR2	50.6			2.0	2.0	36	9-11
Maturity Group V							
SS RT 5160N	47.2	35.1	47.2	1.4	1.7	33	9-19
Trial mean	59.2	41.1	45.2	1.4	1.8	34	9-5
LSD(0.10)	10.9	4.2	4.8				
CV (%)	17.5	16.6	22.0				

† Data 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, 2011

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
Terral REV 49R22	52.0	1.0	2.3	29	9-6
Asgrow AG 4831	49.1	1.8	1.3	27	9-12
Asgrow AG 4932	48.3	1.0	2.5	29	9-8
SS RT 4808N	46.1	1.0	1.8	25	9-11
SS RT 4996N	46.1	1.0	2.0	28	9-9
SS 4711NR2	44.9	1.0	1.8	28	9-5
Terral REV 48R21	44.8	1.0	2.8	24	9-3
Terral REV 48R22	43.2	1.0	1.5	26	8-30
Terral REV 44R22	43.2	1.0	1.5	24	8-28
SS 4700R2	42.6	1.0	2.0	23	9-12
Terral REV 48R10	42.4	1.0	1.5	23	9-2
Terral REV 47R53	40.9	1.0	1.8	25	9-3
Terral REV 49R11	39.1	1.0	2.0	25	8-26
Terral REV 47R22	38.8	1.0	2.5	25	9-4
Terral REV 49R43	37.6	1.0	1.5	23	8-31
Terral REV 48R33	37.0	1.0	1.3	28	8-30
Terral REV 45R10	36.2	1.0	2.3	30	8-26
Terral REV 46R73	33.3	1.0	2.3	29	8-26
SS LL 491N [†]	19.2	1.0	2.0	24	9-15
SS LL 499N [†]	16.8	1.3	2.0	24	9-21
Maturity Group V					
SS RT 5160N	42.5	1.0	1.0	31	9-12
Trial mean	42.5	1.0	1.3	33	8-28
LSD(0.10)	7.1				
CV (%)	16.4				

[†] These entries suffered damage from Round-up. They were not included in the calculation of the trial mean.

TABLE 4. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN TALLASSEE, ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
	----- <i>bu/acre</i> -----						
Maturity Group IV							
SS RT 4996N	46.1	46.7	46.7	1.0	1.8	30	9-8
Terral REV 49R22	52.0	46.2	46.2	1.0	1.8	32	9-5
SS RT 4808N	46.1	45.6	45.6	1.0	1.4	28	9-6
Terral REV 48R22	43.2	43.4	43.4	1.0	1.8	29	8-25
Terral REV 44R22	43.2	42.1	42.1	1.0	1.4	26	8-21
Terral REV 48R21	44.8	42.0	42.0	1.0	1.9	27	8-31
SS 4700R2	42.6	41.2	41.2	1.0	1.5	25	9-3
Terral REV 47R22	38.8	39.6	39.6	1.0	1.9	28	9-2
Terral REV 48R10	42.4	39.4	39.4	1.0	1.8	26	8-31
Terral REV 49R11	39.1	39.1	39.1	1.0	1.8	26	8-24
Terral REV 45R10	36.2	36.7	36.7	1.0	2.0	34	8-20
Asgrow AG 4831	49.1			1.8	1.3	27	9-12
Asgrow AG 4932	48.3			1.0	2.5	29	9-8
SS 4711NR2	44.9			1.0	1.8	28	9-5
Terral REV 47R53	40.9			1.0	1.8	25	9-3
Terral REV 49R43	37.6			1.0	1.5	23	8-31
Terral REV 48R33	37.0			1.0	1.3	28	8-30
Terral REV 46R73	33.3			1.0	2.3	29	8-26
SS LL 491N [†]	19.2			1.0	2.0	24	9-15
SS LL 499N [†]	16.8			1.3	2.0	24	9-21
Maturity Group V							
SS RT 5160N	42.5	43.8	43.8	1.0	1.4	28	9-11
Trial mean	42.5	42.1	42.1	1.0	1.7	27	9-3
LSD(0.10)	5.0	4.2	3.4				
CV (%)	11.8	13.3	13.3				

[†] These entries suffered damage from Round-up. They were not included in the calculation of the trial mean.

TABLE 5. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2011

Variety	Belle Mina	Cross ville	Regional Average				
			Yield	Lodging score	Shattering score	Plant height	Maturity date
----- bu/acre -----			- inches -				
Maturity Group IV							
Croplan Genetics R2C4541	41.9	67.2	54.6	2.9	1.1	37	9-17
Croplan Genetics RC4207	33.3	68.9	51.1	2.2	1.8	36	9-20
Croplan Genetics R2C4520	35.9	63.6	49.7	1.6	1.3	35	9-15
Progeny P 4811RY	40.8	54.2	47.5	2.7	1.6	37	9-19
Progeny P 4710RY	37.3	55.4	46.4	2.6	1.6	36	9-21
Croplan Genetics R2C4391	32.6	58.7	45.6	1.9	1.4	34	9-21
Croplan Genetics RC 4757	35.8	53.4	44.6	1.8	1.5	32	9-19
Progeny P 4928LL	31.9	51.7	41.8	2.6	1.7	34	9-21
Croplan Genetics R2C4801	30.7	51.6	41.1	2.1	1.9	39	9-18
Progeny P 4908RR	36.9	44.9	40.9	3.0	1.3	36	9-21
UA 4910	30.7	49.3	40.0	2.3	1.1	35	9-21
Croplan Genetics RC 4877RR	29.8	49.9	39.8	2.7	1.3	37	9-18
Progeny P 4906RR	33.8	45.1	39.5	3.0	1.8	37	9-20
Croplan Genetics RC 4998RR	37.0	41.7	39.4	1.6	1.5	40	9-30
Progeny P 4910	31.2	44.1	37.6	3.8	1.5	39	9-22
Progeny P 4911RY	31.5	40.0	35.7	2.7	1.3	39	9-26

continued

TABLE 5. CONTINUED

Variety	Belle Mina	Cross ville	Yield	Regional Average			
				Lodging score	Shattering score	Plant height	Maturity date
	----- bu/acre -----			- inches -			
Maturity Group V							
Ozark	42.6	60.9	51.7	3.7	1.1	29	10-1
Progeny P 5330RR	40.7	61.3	51.0	3.7	1.5	30	10-2
Dyna-Gro 32A53	42.5	57.8	50.2	4.0	1.7	30	10-4
Terral REV 51R53	39.0	60.5	49.7	3.4	1.3	33	9-30
Croplan Genetics RC 5419RR	41.7	56.0	48.8	3.2	1.3	33	10-8
Dyna-Gro 37RY52	44.7	51.3	48.0	4.3	1.3	28	9-29
Progeny P 511RY	38.3	56.7	47.5	3.0	1.3	33	10-1
USG 75Z38	40.3	54.4	47.3	3.5	1.4	30	10-7
SS 5111R2	39.8	54.6	47.2	3.4	1.3	41	10-3
Croplan Genetics R2C5007	37.5	56.8	47.1	3.6	1.4	35	10-2
SS 5112NR2	38.6	55.5	47.1	3.1	1.5	33	10-2
Progeny P 5210RY	39.6	53.7	46.6	4.2	1.4	30	9-28
HALO 5:25	39.6	52.9	46.3	3.4	1.3	31	9-30
Progeny P 5218RR	34.8	57.1	46.0	3.6	1.2	31	10-4
Progeny P 5160LL	34.9	56.4	45.6	2.8	1.1	29	9-29
SS 5312NR2	36.9	54.0	45.5	3.6	1.4	34	9-28
Progeny P 5191	35.6	52.8	44.2	4.0	1.3	28	9-30
Progeny P 5460LL	39.6	48.4	44.0	2.5	1.6	32	9-27
SS EXP LL 501N	35.1	51.3	43.2	3.7	1.4	34	9-27
Progeny P 5261LL	35.9	50.3	43.1	3.6	1.0	30	9-28
Schillinger 5220.RC	35.0	49.5	42.2	3.5	1.3	36	9-27
SS LL 511N	32.7	51.2	41.9	2.9	1.4	31	10-1
Asgrow AG 5232	35.4	46.9	41.2	2.7	1.4	34	9-27
Progeny P 5321RY	31.3	47.6	39.5	3.7	1.5	37	9-29
SS 5311NR2	31.5	45.3	38.4	2.9	1.4	40	10-4
USG 75T18	34.0	42.3	38.2	3.2	1.5	31	9-27
Croplan Genetics R2C5360	31.7	43.7	37.7	2.5	1.4	35	9-27
Trial mean	36.3	52.8	44.5	3.0	1.4	33.9	9-27
LSD(0.10)	5.4	6.8	4.4				
CV (%)	14.7	12.9	14.0				

TABLE 6. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES IN NORTHERN ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
	----- <i>bu/acre</i> -----						
Maturity Group IV							
Progeny P 4908RR	40.9	31.1	44.5	2.0	1.8	37	9-24
Progeny P 4906RR	39.5	29.7	44.0	2.0	2.0	36	9-23
UA 4910	40.0	30.7		1.6	1.4	32	9-21
Croplan Genetics R2C4541	54.6			2.9	1.1	37	9-17
Croplan Genetics RC4207	51.1			2.1	1.9	35	9-19
Croplan Genetics R2C4520	49.7			1.6	1.3	35	9-15
Progeny P 4811RY	47.5			2.6	1.6	38	9-19
Progeny P 4710RY	46.4			2.4	1.6	36	9-21
Croplan Genetics R2C4391	45.6			1.9	1.4	34	9-21
Croplan Genetics RC 4757	44.6			1.7	1.4	32	9-18
Progeny P 4928LL	41.8			2.6	1.7	35	9-21
Croplan Genetics R2C4801	41.1			2.1	1.9	40	9-18
Croplan Genetics RC 4877RR	39.8			2.7	1.3	37	9-18
Croplan Genetics RC 4998RR	39.4			1.6	1.6	40	10-1
Progeny P 4910	37.6			3.9	1.4	39	9-22
Progeny P 4911RY	35.7			2.7	1.3	39	9-26

continued

TABLE 6. CONTINUED

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
	----- bu/acre -----					- inch -	
	Maturity Group V						
Ozark	51.7	38.2	47.1	2.4	1.3	34	10-1
HALO 5:25	46.3	34.2	45.0	2.2	1.4	30	9-30
SS LL 511N	41.9	31.5	44.1	2.2	1.3	31	10-1
Croplan Genetics RC 5419RR	48.8	34.8	43.5	2.5	1.3	38	10-7
Progeny P 5218RR	46.0	33.1	41.9	2.7	1.6	35	10-5
Progeny P 5330RR	51.0	37.7		2.8	2.1	33	9-27
Progeny P 5210RY	46.6	33.0		2.9	1.6	33	9-25
USG 75T18	38.2	29.1		2.2	1.7	31	9-23
Dyna-Gro 32A53	50.2			3.6	1.6	35	10-6
Terral REV 51R53	49.7			3.3	1.3	33	9-30
Dyna-Gro 37RY52	48.0			4.1	1.3	29	9-29
Progeny P 511RY	47.5			3.0	1.3	33	10-2
USG 75Z38	47.3			3.4	1.4	31	10-8
SS 5111R2	47.2			3.4	1.3	42	10-4
Croplan Genetics R2C5007	47.1			3.4	1.4	36	10-3
SS 5112NR2	47.1			3.0	1.6	34	10-3
Progeny P 5160LL	45.6			2.9	1.1	29	9-29
SS 5312NR2	45.5			3.6	1.4	34	9-28
Progeny P 5191	44.2			3.9	1.3	29	9-30
Progeny P 5460LL	44.0			2.4	1.6	32	9-27
SS EXP LL 501N	43.2			3.7	1.4	35	9-27
Progeny P 5261LL	43.1			3.6	1.0	30	9-28
Schillinger 5220.RC	42.2			3.4	1.3	36	9-27
Asgrow AG 5232	41.2			2.7	1.4	34	9-27
Progeny P 5321RY	39.5			3.7	1.6	38	9-30
SS 5311NR2	38.4			3.0	1.4	40	10-4
Croplan Genetics R2C5360	37.7			2.4	1.4	35	9-27
Trial mean	44.5	33.0	44.3	2.8	1.5	35	9-27
LSD(0.10)	6.6	3.2	3.5				
CV (%)	14.0	16.0	16.7				

TABLE 7. PERFORMANCE OF MID-LATE GROUP V SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2011

Variety	Belle Mina	Cross ville	Regional Average				Plant height	Maturity date
			Yield	Lodging score	Shattering score			
			----- bu/acre -----				- inches -	
Maturity Group V								
Dyna-Gro 39RY57	55.6	64.5	60.0	3.8	1.3	34	10-5	
Terral REV 55R21	44.4	70.8	57.6	2.0	1.3	36	10-11	
Syngenta NK S 57-K3	44.5	69.0	56.7	3.0	1.3	37	10-9	
Progeny P 5711RY	51.3	60.2	55.8	3.1	1.6	36	10-8	
Progeny P 5622RR	47.1	63.3	55.2	3.1	1.4	37	10-7	
Terral REV 56R21	44.6	65.8	55.2	3.5	1.4	36	10-1	
Progeny P 5650RR	47.8	61.7	54.7	2.5	1.4	34	10-16	
Croplan Genetics R2C5820	41.0	68.5	54.7	2.3	1.3	36	10-1	
Progeny P 5610RY	44.1	65.0	54.6	2.8	1.0	36	10-1	
Progeny P 5770	45.2	63.6	54.4	3.6	1.5	33	10-16	
Syngenta NK S 54-V4	40.5	66.5	53.5	3.0	1.3	35	9-29	
SS 5511NR2	43.2	63.4	53.3	2.5	1.4	38	10-5	
HALO 5:65	45.3	61.2	53.3	2.2	1.1	36	10-3	
AGS 597RR	44.4	62.1	53.2	3.0	1.5	35	10-12	
SS RT 5930N	40.4	64.6	52.5	2.6	1.3	37	10-8	
Schillinger 557.RC	42.2	62.5	52.3	2.5	1.4	37	10-2	
Terral REV 56R63	40.5	63.7	52.1	2.8	1.5	37	10-6	
SS RT 5760N	38.4	65.6	52.0	2.6	1.5	37	10-12	
Progeny P 5330RR	45.6	58.2	51.9	2.4	1.3	37	9-29	
USG Allen RR	40.3	63.5	51.9	2.2	1.4	38	10-13	
Syngenta NK S 56-G6	41.5	62.1	51.8	2.9	1.4	36	10-4	
Dyna-Gro 32RY55	43.5	60.0	51.8	2.6	1.3	37	10-3	
Asgrow AG 5532	44.1	58.3	51.2	2.2	1.4	38	9-29	
Progeny P 5655RY	42.0	60.4	51.2	2.5	1.5	40	10-3	
Progeny P 5960LL	43.3	57.8	50.6	2.3	1.1	35	10-2	
SS LL 595N	42.0	58.1	50.1	2.3	1.4	36	10-1	

continued

TABLE 7. CONTINUED

Variety	Belle Mina	Cross ville	Regional Average				Plant height	Maturity date
			Yield	Lodging score	Shattering score			
			----- bu/acre -----		- inches -			
Maturity Group V								
Osage	39.5	60.3	49.9	2.9	1.0	34	9-26	
SS RT 5960N	42.4	55.2	48.8	3.0	1.4	36	10-11	
Asgrow AG 5732	40.2	57.1	48.7	2.6	1.3	36	10-2	
Croplan Genetics RC 5663RR	40.8	56.2	48.5	3.3	1.6	33	10-1	
Asgrow AG 5832	37.2	58.9	48.1	2.8	1.3	41	10-2	
Progeny P 5811RY	39.6	56.5	48.0	2.5	1.1	33	9-30	
SS RT 5471N	39.7	55.7	47.7	2.1	1.1	35	9-30	
SS LL 540N	41.2	53.3	47.3	2.5	1.1	37	9-28	
Asgrow AG 5632	31.5	60.5	46.0	3.0	1.1	37	9-27	
Asgrow AG 5831	41.3	50.4	45.8	2.0	1.1	35	10-1	
Terral REV 57R21	41.1	49.0	45.1	3.1	1.5	38	10-2	
SS LL 590N	37.2	52.7	45.0	2.3	1.1	34	9-27	
Progeny P 5218RR	36.6	53.1	44.8	3.8	1.3	33	10-7	
Croplan Genetics RC 5419RR	36.3	52.0	44.1	3.0	1.1	35	10-4	
SS 5510NR2	26.6	58.0	42.3	2.5	1.5	41	9-29	
Progeny P 5460LL	28.7	51.6	40.1	1.9	1.6	39	9-25	
Trial mean	41.5	60.0	50.8	2.7	1.3	36	10-4	
LSD(0.10)	5.6	7.4	4.7					
CV (%)	13.4	12.2	13.2					

TABLE 8. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2011

Variety	Belle Mina	Cross ville	Regional Average				Plant height	Maturity date
			Yield	Lodging score	Shattering score			
	----- bu/acre -----					- inches -		
Maturity Group VI								
SS 6911NR2	55.5	33.4	44.7	1.4	1.5	31	10-27	
Progeny P 6710RY	55.0	31.6	43.3	1.3	1.4	28	10-28	
SS RT 6988N	48.0	37.1	42.6	2.4	1.3	29	10-29	
SS RT 6810Nr2	51.1	33.8	42.5	1.3	1.1	31	10-28	
NK Brand S61-Q2	46.5	34.1	40.6	1.9	1.3	30	10-20	
SS RT 6451N	38.7	29.0	33.9	2.5	1.3	29	10-20	
R04-342	45.6							
Maturity Group VII								
Progeny P 7310RY	56.3	49.3	52.8	2.3	1.1	29	11-1	
Asgrow AG 7231	54.2	45.9	50.1	3.1	1.5	28	11-1	
Asgrow AG 7532	51.3	45.3	48.3	2.5	1.1	30	11-2	
Trial mean	50.2	37.7	44.3	2.1	1.3	29	10-28	
LSD(0.10)	3.9	9.0	5.2					
CV (%)	7.4	23.3	16.2					

TABLE 9. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES IN NORTHERN ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
	----- bu/acre -----					- inch -	
Maturity Group VI							
SS RT 6988N	42.6	31.0	37.5	1.8	1.3	36	10-20
SS RT 6451N	33.9	25.4	35.7	1.8	1.5	35	10-19
Progeny P 6710RY	43.3	31.4		1.2	1.5	31	10-26
SS RT 6810Nr2	42.5	31.3		1.4	1.4	32	10-27
SS 6911NR2	44.7			1.4	1.6	29	10-27
NK Brand S61-Q2	40.6			1.9	1.3	29	10-22
R04-342				3.3	1.0	29	10-7
Maturity Group VII							
Progeny P 7310RY	52.8	37.2		1.7	1.3	31	10-28
Asgrow AG 7231	50.1			3.0	1.6	27	11-2
Asgrow AG 7532	48.3			2.4	1.1	29	11-3
Trial mean	44.3	31.3	36.6	2.0	1.4	31	10-24
LSD(0.10)	5.4	3.5	2.9				
CV (%)	16.2	21.1	16.8				

TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, 2011

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
UA 4910	23.1			33	10-3
Progeny P 4908RR	22.3			40	9-29
Progeny P 4710RY	21.9			34	9-29
Progeny P 4811RY	21.6			41	9-25
Progeny P 4910	21.5			40	10-1
Progeny P 4906RR	20.0			37	9-29
Progeny P 4911RY	19.1			43	9-25
Progeny P 4928LL	19.0			38	9-25

continued

TABLE 10. CONTINUED

Variety	Yield - bu/acre -	Lodging score	Shattering score	Plant height - inches -	Maturity date
Maturity Group V					
Progeny P 5160LL	38.8			31	10-6
Terral REV 55R21	37.8			38	10-10
Asgrow AG 5831	37.5			31	10-7
AGS 597RR	37.1			37	10-9
Osage	36.9			27	10-1
Progeny P 5650RR	36.3			34	10-10
Progeny P 5711RY	35.9			32	10-8
Croplan Genetics R2C5820	35.3			32	10-1
Terral REV 51R53	34.8			40	10-3
Progeny P 5655RY	34.4			39	10-8
Progeny P 5622RR	34.4			38	10-9
Progeny P 5610RY	34.3			32	10-8
HALO 5:65	34.0			33	10-9
Progeny P 5960LL	33.6			36	10-8
Terral REV 56R63	33.0			33	10-9
Progeny P 5218RR	32.9			37	10-10
HALO 5:25	32.9			32	10-3
Progeny P 5330RR	32.2			36	9-29
Progeny P 5770	32.1			32	10-8
USG 75Z38	31.8			33	10-10
Terral REV 57R21	31.3			39	10-3
USG Allen RR	31.1			33	10-9
Ozark	30.5			32	10-3
Progeny P 5210RY	30.4			37	10-1
Terral REV 56R21	28.6			39	10-1
Progeny P 5261LL	28.6			34	9-29
Asgrow AG 5832	28.3			43	10-3
Progeny P 5811RY	27.5			34	9-29
Progeny P 5321RY	26.9			43	10-3
USG 75T18	26.9			30	9-25
Progeny P 511RY	26.4			37	9-25
Progeny P 5460LL	21.8			35	9-25
Progeny P 5191	21.1			29	9-25
Trial mean	29.9			35	10-3
LSD(0.10)	3.9				
CV (%)	12.5				

TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, THREE-YEAR SUMMARY, 2009-2011

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
----- bu/acre -----			- inch -				
Maturity Group IV							
Progeny P 4908RR	22.3	27.9	36.2	0.0	0.0	34.3	9-19
Progeny P 4906RR	20.0	25.3	32.6	0.0	0.0	34.0	9-19
UA 4910	23.1	24.9		0.0	0.0	31.4	9-15
Progeny P 4710RY	21.9					34.0	9-29
Progeny P 4811RY	21.6					40.8	9-25
Progeny P 4910	21.5					40.3	10-1
Progeny P 4911RY	19.1					42.5	9-25
Progeny P 4928LL	19.0					37.5	9-25

continued

TABLE 11. CONTINUED

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
	----- bu/acre -----						
Maturity Group V							
Osage	36.9	36.3	43.4	0.0	0.0	27.0	9-24
HALO 5:25	32.9	32.2	42.8	0.0	0.0	27.8	9-23
Progeny P 5622RR	34.4	36.6	42.3	0.0	0.0	33.0	9-27
HALO 5:65	34.0	33.0	41.5	0.0	0.0	30.6	9-25
Ozark	30.5	33.9	39.9	0.0	0.0	28.8	9-23
USG Allen RR	31.1	33.8	39.4	0.0	0.0	31.1	9-29
Progeny P 5218RR	32.9	29.6	34.3	0.0	0.0	30.6	9-24
Terral REV 55R21	37.8	36.2		0.0	0.0	34.9	9-18
Asgrow AG 5831	37.5	36.1		0.0	0.0	29.1	9-17
Progeny P 5210RY	30.4	35.1		0.0	0.0	34.6	9-12
Progeny P 5610RY	34.3	34.6		0.0	0.0	32.0	9-18
Terral REV 56R21	28.6	33.7		0.0	0.0	36.4	9-14
Progeny P 5330RR	32.2	33.4		0.0	0.0	35.0	9-12
Terral REV 57R21	31.3	32.9		0.0	0.0	38.9	9-14
USG 75T18	26.9	31.4		0.0	0.0	29.0	9-11
Progeny P 5160LL	38.8					31.3	10-6
AGS 597RR	37.1					37.0	10-9
Progeny P 5650RR	36.3					33.8	10-10
Progeny P 5711RY	35.9					32.3	10-8
Croplan Genetics R2C5820	35.3					31.5	10-1
Terral REV 51R53	34.8					39.5	10-3
Progeny P 5655RY	34.4					38.5	10-8
Progeny P 5960LL	33.6					35.5	10-8
Terral REV 56R63	33.0					32.8	10-9
Progeny P 5770	32.1					32.3	10-8
USG 75Z38	31.8					32.8	10-10
Progeny P 5261LL	28.6					33.5	9-29
Asgrow AG 5832	28.3					42.8	10-3
Progeny P 5811RY	27.5					34.3	9-29
Progeny P 5321RY	26.9					43.3	10-3
Progeny P 511RY	26.4					37.0	9-25
Progeny P 5460LL	21.8					35.0	9-25
Progeny P 5191	21.1					28.8	9-25
Trial mean	29.9	32.6	39.2	0.0	0.0	34.3	9-26
LSD(0.10)	3.5	3.4	3.0				
CV (%)	11.2	14.0	12.7				

TABLE 12. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES OT SHORTER, ALABAMA, 2011

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group VI					
Asgrow AG 6732	50.7			36	10-25
Progeny P 6710RY	49.6			32	10-25
Croplan Genetics R2C 6810	49.3			34	10-25
Asgrow AG 6931	47.2			36	10-26
Asgrow AG 6132	43.8			36	10-25
R04-342	37.3			33	10-7
Asgrow AG 6031	28.3			33	10-6
Maturity Group VII					
Woodruff	53.7			33	10-28
Progeny P 7310RY	51.7			31	10-28
Asgrow AG 7532	50.4			37	10-26
Asgrow AG 7231	48.2			33	10-28
AGS 758 RR	47.0			37	10-25
Maturity Group VIII					
Au 02-2814	54.9			35	10-25
Pritchard RR	48.2			39	10-29
Trial mean	47.2			34	10-23
LSD(0.10)	3.5				
CV (%)	7.0				

TABLE 13. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES AT SHORTER, ALABAMA, THREE-YEAR SUMMARY, 2009-2011

Variety	Yield		Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg 3-yr avg				
	----- bu/acre -----				- inch -	
Maturity Group VI						
Progeny P 6710RY	49.6	30.5			32.9	9-24
Asgrow AG 6732	50.7				36.0	10-25
Croplan Genetics R2C 6810	49.3				34.3	10-25
Asgrow AG 6931	47.2				36.3	10-26
Asgrow AG 6132	43.8				36.3	10-25
R04-342	37.3				32.8	10-7
Asgrow AG 6031	28.3				32.5	10-6
Woodruff	53.7				33.3	10-28
Maturity Group VII						
Progeny P 7310RY	51.7				30.5	10-28
Asgrow AG 7532	50.4				36.5	10-26
Asgrow AG 7231	48.2				33.0	10-28
AGS 758 RR	47.0				36.5	10-25
Maturity Group VII						
Au 02-2814	54.9				34.5	10-25
Pritchard RR	48.2				38.5	10-29
Trial mean	47.2	30.5				
LSD(0.10)	1.6					
CV (%)	4.5	2.3				

TABLE 14. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 2011

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
Progeny P 4906RR	38.8	2.0	2.3	39	9-15
Progeny P 4710RY	37.9	1.0	1.7	35	9-14
Progeny P 4908RR	36.2	2.0	5.0	40	9-14
Progeny P 4811RY	33.9	2.3	3.7	40	9-14
Progeny P 4910	32.6	3.3	3.7	38	9-16
Progeny P 4911RY	32.2	3.7	1.7	44	9-16
Progeny P 4928LL	28.9	1.0	5.0	36	9-14
Maturity Group V					
AGS 597RR	46.3	1.0	1.0	30	9-23
Terral REV 55R21	44.0	1.0	1.0	32	9-25
Progeny P 5610RY	43.2	1.7	1.0	35	9-19
Progeny P 5622RR	43.0	1.7	1.0	34	9-23
Progeny P 5770	42.6	1.7	1.0	33	9-24
Progeny P 5160LL	42.2	1.0	1.7	23	9-17
Progeny P 5191	42.1	1.3	2.3	27	9-14
Terral REV 56R63	41.9	1.7	1.0	36	9-21
Progeny P 5711RY	41.5	1.0	1.0	32	9-20
Syngenta NK S 54-V4	40.5	1.0	2.3	25	9-18
Syngenta NK S 56-G6	40.4	1.0	1.0	29	9-24
Progeny P 5655RY	40.3	1.3	2.3	41	9-19
Progeny P 5261LL	40.1	1.0	1.0	30	9-18
Terral REV 51R53	40.0	2.7	1.7	37	9-18
Progeny P 5210RY	39.6	1.0	1.0	27	9-15
Progeny P 5960LL	39.4	1.3	1.0	32	9-19
Progeny P 5330RR	39.2	1.3	2.3	33	9-17
Progeny P 5811RY	39.2	1.0	1.7	34	9-18
HALO 5:25	39.0	1.0	2.3	24	9-17
Syngenta NK S 57-K3	39.0	1.0	1.0	29	9-23
Terral REV 56R21	38.9	1.3	1.0	33	9-14
Croplan Genetics R2C5820	38.8	1.0	2.3	29	9-19
Terral REV 57R21	37.8	2.3	1.0	38	9-21
Asgrow AG 5831	36.8	1.0	1.0	25	9-17
HALO 5:65	36.1	1.0	1.0	33	9-19
Progeny P 5650RR	35.5	2.0	1.0	38	9-28
Progeny P 511RY	35.0	1.0	3.0	28	9-14
Progeny P 5321RY	30.7	3.3	4.3	44	9-17
Asgrow AG 5832	28.1	3.7	4.3	41	9-23
Progeny P 5460LL	26.9	1.0	5.0	33	9-15
Progeny P 5218RR	26.2	1.3	1.7	26	9-22
Trial mean	37.8	1.6	2.0	33	9-18
LSD(0.10)	4.5				
CV (%)	11.3				

TABLE 15. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011

Variety	2011	2-yr avg	3-yr avg	Lodging score	Shattering score	Plant height	Maturity date
	----- <i>bu/acre</i> -----			- <i>inch</i> -			
Maturity Group IV							
Progeny P 4906RR	38.8	32.1		1.9	3.0	34.0	9-16
Progeny P 4908RR	36.2	27.3		2.0	3.9	33.9	9-14
Progeny P 4710RY	37.9			1.0	1.7	34.7	9-14
Progeny P 4811RY	33.9			2.3	3.7	39.7	9-14
Progeny P 4910	32.6			3.3	3.7	38.0	9-16
Progeny P 4911RY	32.2			3.7	1.7	44.0	9-16
Progeny P 4928LL	28.9			1.0	5.0	35.7	9-14
Maturity Group V							
HALO 5:65	36.1	27.7	30.8	0.6	2.1	29.3	9-23
HALO 5:25	39.0	25.3	29.7	0.6	2.4	21.5	9-20
Progeny P 5610RY	43.2	37.2		1.3	1.0	30.0	9-19
Terral REV 55R21	44.0	35.1		1.0	1.3	28.0	9-25
Terral REV 56R21	38.9	34.7		1.3	1.3	29.9	9-15
Progeny P 5622RR	43.0	33.9		1.3	1.0	29.4	9-24
Progeny P 5210RY	39.6	32.8		1.0	1.3	26.0	9-16
Progeny P 5330RR	39.2	31.7		1.1	2.4	29.9	9-22
Terral REV 57R21	37.8	31.5		2.7	1.3	34.6	9-23
Asgrow AG 5831	36.8	31.0		1.0	1.0	23.0	9-18
Syngenta NK S 56-G6	40.4	30.4		1.0	1.0	22.0	9-25
Progeny P 5218RR	26.2	26.4		1.4	2.1	25.1	9-29
AGS 597RR	46.3			1.0	1.0	30.3	9-23
Progeny P 5770	42.6			1.7	1.0	32.7	9-24
Progeny P 5160LL	42.2			1.0	1.7	23.3	9-17
Progeny P 5191	42.1			1.3	2.3	27.3	9-14
Terral REV 56R63	41.9			1.7	1.0	36.3	9-21
Progeny P 5711RY	41.5			1.0	1.0	32.3	9-20
Syngenta NK S 54-V4	40.5			1.0	2.3	25.3	9-18
Progeny P 5655RY	40.3			1.3	2.3	40.7	9-19
Progeny P 5261LL	40.1			1.0	1.0	30.3	9-18
Terral REV 51R53	40.0			2.7	1.7	37.3	9-18
Progeny P 5960LL	39.4			1.3	1.0	32.3	9-19
Progeny P 5811RY	39.2			1.0	1.7	33.7	9-18
Syngenta NK S 57-K3	39.0			1.0	1.0	28.7	9-23
Croplan Genetics R2C5820	38.8			1.0	2.3	29.3	9-19
Progeny P 5650RR	35.5			2.0	1.0	37.7	9-28
Progeny P 511RY	35.0			1.0	3.0	28.0	9-14
Progeny P 5321RY	30.7			3.3	4.3	43.7	9-17
Asgrow AG 5832	28.1			3.7	4.3	41.3	9-23
Progeny P 5460LL	26.9			1.0	5.0	33.3	9-15
Trial mean	37.8	31.2	30.3	1.5	2.1	31.9	9-19
LSD(0.10)	3.8	3.5	1.3				
CV (%)	9.5	15.1	6.7				

TABLE 16. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 2011

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date	Iron Chlorosis [†]
	- bu/acre -			- inches -		
Maturity Group IV						
Progeny P 4811RY	11.5	1.0	1.0	17	10-11	6.0
Progeny P 4910	9.5	1.0	3.7	16	10-6	6.8
Progeny P 4710RY	7.2	1.0	1.0	17	10-10	8.0
Progeny P 4928LL	6.5	1.0	1.0	13	10-9	7.3
Progeny P 4906RR	4.6	1.0	1.0	11	10-17	7.8
Progeny P 4908RR	no yield					8.7
Progeny P 4911RY	no yield					9.3
Maturity Group V						
Progeny P 5960LL	16.6	1.0	2.3	20	9-28	1.0
Progeny P 5655RY	16.5	1.0	5.0	20	9-26	2.5
Progeny P 5261LL	16.5	1.0	1.7	15	9-28	3.2
Progeny P 5770	16.2	1.0	1.0	15	10-8	6.3
HALO 5:65	14.5	1.0	3.7	16	9-28	1.5
Progeny P 5610RY	14.0	1.0	3.0	15	9-27	4.7
Progeny P 5650RR	13.3	1.0	1.0	14	10-5	5.0
Syngenta NK S 56-G6	13.0	1.0	1.7	10	10-7	2.2
Terral REV 51R53	13.0	1.0	1.7	18	10-12	7.0
Progeny P 5711RY	12.9	1.0	2.3	15	9-24	3.8
Syngenta NK S 57-K3	12.7	1.0	1.0	14	10-12	5.3
Progeny P 5218RR	11.8	1.0	1.7	12	10-9	6.3
Progeny P 5210RY	11.4	1.0	1.7	12	9-27	4.3
Terral REV 56R21	10.7	1.0	1.0	15	10-7	6.8
Terral REV 56R63	10.4	1.0	1.7	15	10-9	5.5
Progeny P 5622RR	10.1	1.0	3.0	15	10-6	6.7
Progeny P 5811RY	9.5	1.0	2.0	15	10-8	6.5
Syngenta NK S 54-V4	9.4	1.0	4.3	14	9-24	3.5
Progeny P 5460LL	8.7	1.0	1.0	18	10-4	6.0
Asgrow AG 5832	8.5	1.0	1.0	20	10-13	6.5
HALO 5:25	8.5	1.0	2.3	11	9-22	3.2
Progeny P 5160LL	8.1	1.0	2.3	11	9-25	3.8
Progeny P 5191	7.7	1.0	2.0	11	9-26	7.2
Progeny P 5321RY	7.5	1.0	1.7	16	10-16	7.2
Asgrow AG 5831	7.1	1.0	1.7	13	9-22	3.8
Progeny P 511RY	6.2	1.0	3.7	11	9-19	4.2
Croplan Genetics R2C5820	4.3	1.0	3.0	11	9-29	7.8
AGS 597RR	no yield					9.2
Terral REV 55R21	no yield					8.0
Terral REV 57R21	no yield					8.3
Trial mean	10.6	1.0	2.1	15	10-3	
LSD(0.10)	4.0					
CV (%)	35.9					

[†] Iron chlorosis ratings made on July 20, 2011. 1 = no chlorosis; 10 = plants losing leaves due to necrotic spots on leaves.

TABLE 17. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 2011

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group VI					
Asgrow AG 6931	46.5	2.0	1.0	37	10-14
Dyna-Gro 36RY68	45.7	1.0	1.0	35	10-14
Croplan Genetics R2C 6810	44.4	1.0	1.0	32	10-13
Progeny P 6710RY	44.3	1.0	1.0	36	10-14
NK Brand S68-D4	43.6	1.0	1.0	36	10-10
Asgrow AG 6732	39.9	1.3	1.7	32	10-12
Asgrow AG 6132	38.5	1.3	1.7	36	10-10
Dyna-Gro V61N9	37.2	1.0	1.7	30	9-29
Asgrow AG 6031	36.8	1.0	1.7	34	9-21
Maturity Group VII					
Dyna-Gro 35K73	49.2	1.7	1.0	38	10-10
Progeny P 7310RY	46.3	1.0	1.0	31	10-13
Asgrow AG 7231	45.8	1.0	1.0	33	10-15
Asgrow AG 7532	43.1	1.3	1.0	33	10-18
Woodruff	43.0	1.7	1.0	37	10-14
Dyna-Gro V76N9RR	38.8	1.3	1.7	38	10-22
NK Brand S78-G6	37.6	2.3	1.0	38	10-18
NK Brand S79-B9	35.9	1.7	1.0	44	10-20
AGS 758 RR	34.4	1.0	1.0	33	10-19
Maturity Group VIII					
Au 02-2814	47.8	1.0	1.7	38	10-17
Pritchard RR	35.4	2.0	1.0	44	10-26
Trial mean	41.7	1.3	1.2	36	10-13
LSD(0.10)	4.1				
CV (%)	9.2				

TABLE 18. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
----- bu/acre -----			- inch -				
Maturity Group VI							
Dyna-Gro 36RY68	45.7	36.3		1.0	1.6	32.1	10-11
Progeny P 6710RY	44.3	35.2		1.3	1.0	33.1	10-11
Dyna-Gro V61N9	37.2	30.1		1.1	1.9	25.4	9-29
Asgrow AG 6931	46.5			2.0	1.0	36.7	10-14
Croplan Genetics R2C 6810	44.4			1.0	1.0	32.3	10-13
NK Brand S68-D4	43.6			1.0	1.0	35.7	10-10
Asgrow AG 6732	39.9			1.3	1.7	32.0	10-12
Asgrow AG 6132	38.5			1.3	1.7	35.7	10-10
Asgrow AG 6031	36.8			1.0	1.7	34.0	9-21
Maturity Group VII							
Dyna-Gro 35K73	49.2	37.7	39.0	1.1	1.9	34.5	10-12
Woodruff	43.0	34.0	32.8	1.4	1.3	33.6	10-15
Dyna-Gro V76N9RR	38.8	30.2	32.1	1.3	2.7	35.5	10-20
AGS 758 RR	34.4	25.7	28.5	0.6	1.0	29.1	10-16
Progeny P 7310RY	46.3	38.2		1.1	1.3	29.4	10-11
Asgrow AG 7231	45.8			1.0	1.0	33.0	10-15
Asgrow AG 7532	43.1			1.3	1.0	33.3	10-18
NK Brand S78-G6	37.6			2.3	1.0	37.7	10-18
NK Brand S79-B9	35.9			1.7	1.0	43.7	10-20
Maturity Group VIII							
Au 02-2814	47.8	31.0	31.4	0.7	2.1	32.0	10-19
Pritchard RR	35.4	28.1	25.2	1.3	1.0	38.2	10-24
Trial mean	41.7	32.7	31.5	1.2	1.4	33.8	10-13
LSD(0.10)	3.9	4.3	3.0				
CV (%)	8.9	17.5	15.7				

TABLE 19. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 2011

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date	Iron Chlorosis [†]
	- bu/acre -			- inches -		
Maturity Group VI						
Asgrow AG 6732	21.7	1.0	4.3	14	10-21	1.5
NK Brand S68-D4	21.2	1.0	1.0	17	10-17	1.2
Dyna-Gro V61N9	20.7	1.0	3.0	16	10-24	1.8
Asgrow AG 6931	19.0	1.0	1.0	16	10-22	4.2
Dyna-Gro 36RY68	16.4	1.0	1.7	14	10-19	2.5
Progeny P 6710RY	13.8	1.0	1.0	12	10-20	2.8
Asgrow AG 6132	13.8	1.0	3.0	16	10-24	3.5
Croplan Genetics R2C 6810	13.4	1.0	1.7	12	10-16	3.0
Asgrow AG 6031	9.2	1.0	4.3	14	9-26	2.2
Maturity Group VII						
NK Brand S78-G6	25.4	1.0	1.0	19	10-23	1.2
Asgrow AG 7231	24.4	1.0	1.0	17	10-24	2.7
Dyna-Gro 35K73	24.4	1.0	1.0	22	10-28	2.0
NK Brand S79-B9	24.4	1.0	1.0	25	10-30	2.8
AGS 758 RR	22.8	1.0	1.0	15	10-22	2.2
Progeny P 7310RY	22.6	1.0	1.0	14	10-23	1.7
Dyna-Gro V76N9RR	22.4	1.0	3.0	16	10-25	3.2
Woodruff	22.0	1.0	1.7	15	10-27	3.5
Asgrow AG 7532	20.5	1.0	1.7	15	10-22	2.2
Maturity Group VIII						
Pritchard RR	34.8	1.0	1.0	24	10-26	4.2
Au 02-2814	22.6	1.0	2.3	19	10-27	5.3
Trial mean	20.8	1.0	1.8	17	10-22	
LSD(0.10)	6.7					
CV (%)	30.1					

[†] Iron chlorosis ratings made on July 20, 2011. 1 = no chlorosis; 10 = plants losing leaves due to necrotic spots on leaves.

TABLE 20. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2011

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
Progeny P 4908RR	31.4	2.8	2.0	31	10-9
Progeny P 4710RY	27.0	3.0	1.8	27	10-7
Progeny P 4906RR	25.5	3.0	2.0	32	10-7
Progeny P 4811RY	20.2	3.3	2.3	34	10-6
Progeny P 4910	17.2	3.0	2.3	33	10-14
Progeny P 4928LL	16.9	3.0	2.5	28	10-12
Progeny P 4911RY	13.6	4.0	2.0	28	10-4
Maturity Group V					
Progeny P 5770	43.6	2.3	1.0	25	10-13
HALO 5:25	41.8	2.0	1.8	25	10-10
Progeny P 5160LL	41.3	2.0	1.5	20	10-10
Terral REV 55R21	40.9	2.0	1.8	26	10-18
Terral REV 56R21	39.4	2.5	1.0	28	10-7
Progeny P 5622RR	39.1	2.3	1.5	28	10-13
Asgrow AG 5831	38.8	1.5	1.3	23	10-12
Progeny P 5650RR	37.8	2.3	1.0	26	10-14
Progeny P 5261LL	35.8	2.0	1.0	22	10-10
Progeny P 511RY	35.3	2.0	1.8	29	10-3
Progeny P 5191	35.3	2.0	1.8	24	10-6
Progeny P 5960LL	34.3	2.3	1.0	29	10-14
Terral REV 51R53	34.1	3.5	1.8	34	10-11
Progeny P 5811RY	33.7	2.3	1.5	24	10-9
Terral REV 57R21	32.7	3.0	1.5	30	10-9
Syngenta NK S 56-G6	32.5	1.5	1.8	23	10-15
Progeny P 5655RY	31.6	2.0	1.8	31	10-10
Syngenta NK S 57-K3	31.2	2.0	1.5	24	10-15
Progeny P 5330RR	30.5	2.8	2.0	27	10-5
Progeny P 5610RY	28.6	2.5	1.8	25	10-11
Terral REV 56R63	28.4	2.8	1.5	26	10-13
Syngenta NK S 54-V4	26.5	2.0	1.3	19	10-10
Progeny P 5210RY	25.7	2.3	1.8	19	10-10
HALO 5:65	24.7	2.0	1.3	21	10-14
Croplan Genetics R2C5820	23.3	2.3	1.8	23	10-10
Progeny P 5460LL	22.6	2.5	2.5	26	10-11
Progeny P 5321RY	21.3	3.0	2.8	37	10-6
Progeny P 5711RY	21.3	2.0	1.5	20	10-10
Progeny P 5218RR	17.0	2.3	2.0	18	10-11
Asgrow AG 5832	16.8	3.0	2.5	31	10-10
Trial mean	29.7	2.4	1.7	26	10-10
LSD(0.10)	9.2				
CV (%)	29.6				

TABLE 21. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, THREE-YEAR SUMMARY, 2009-2011

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
----- bu/acre -----			- inch -				
Maturity Group IV							
Progeny P 4908RR	31.4	40.1		2.3	2.5	32	9-18
Progeny P 4906RR	25.5	37.8		2.6	2.6	33	9-17
Progeny P 4710RY	27.0			3.0	1.8	27	10-7
Progeny P 4811RY	20.2			3.3	2.3	34	10-6
Progeny P 4928LL	16.9			3.0	2.5	28	10-12
Progeny P 4910	16.4			3.0	2.3	33	10-14
Progeny P 4911RY	13.6			4.0	2.0	28	10-4
Maturity Group V							
HALO 5:25	41.8	52.1	56.4	1.8	1.6	27	9-27
Progeny P 5622RR	39.1	49.2	53.5	2.3	1.5	32	9-27
HALO 5:65	24.7	40.2	46.4	2.2	1.7	28	9-28
Progeny P 5218RR	17.0	37.6	44.5	2.6	1.9	27	9-26
Asgrow AG 5831	38.8	50.7		1.5	1.4	25	9-18
Terral REV 55R21	40.9	49.3		2.1	1.6	28	9-21
Terral REV 56R21	39.4	49.0		2.5	1.4	31	9-13
Terral REV 57R21	32.7	44.4		3.1	1.4	33	9-20
Progeny P 5610RY	28.6	44.2		2.5	2.0	28	9-20
Syngenta NK S 56-G6	32.5	44.0		1.4	1.6	23	9-20
Progeny P 5330RR	30.5	42.3		2.9	2.5	29	9-18
Progeny P 5210RY	25.7	40.9		2.1	1.6	24	9-20
Progeny P 5770	43.6			2.3	1.0	25	10-13
Progeny P 5160LL	41.3			2.0	1.5	20	10-10
Progeny P 5650RR	37.8			2.3	1.0	26	10-14
Progeny P 5261LL	35.8			2.0	1.0	22	10-10
Progeny P 511RY	35.3			2.0	1.8	29	10-3
Progeny P 5191	35.3			2.0	1.8	24	10-6
Progeny P 5960LL	34.3			2.3	1.0	29	10-14
Terral REV 51R53	34.1			3.5	1.8	34	10-11
Progeny P 5811RY	33.7			2.3	1.5	24	10-9
Progeny P 5655RY	31.6			2.0	1.8	31	10-10
Syngenta NK S 57-K3	31.2			2.0	1.5	24	10-15
Terral REV 56R63	28.4			2.8	1.5	26	10-13
Syngenta NK S 54-V4	26.5			2.0	1.3	19	10-10
Croplan Genetics R2C5820	23.3			2.3	1.8	23	10-10
Progeny P 5460LL	22.6			2.5	2.5	26	10-11
Progeny P 5321RY	21.3			3.0	2.8	37	10-6
Progeny P 5711RY	21.3			2.0	1.5	20	10-10
Asgrow AG 5832	16.8			3.0	2.5	31	10-10
Trial mean	29.6	44.4	50.2	2.4	1.8	28	10-3
LSD(0.10)	9.0	4.4	3.5				
CV (%)	28.7	13.4	11.4				

TABLE 22. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2011

Variety	Yield - bu/acre -	Lodging score	Shattering score	Plant height - inches -	Maturity date
Maturity Group VI					
Asgrow AG 6732	41.9	2.0	1.8	25	10-26
Asgrow AG 6931	41.7	2.0	1.0	32	10-27
NK Brand S68-D4	41.2	2.3	1.0	27	10-27
Asgrow AG 6132	31.8	2.0	2.0	28	10-27
Croplan Genetics R2C 6810	28.6	2.0	1.0	22	10-27
Progeny P 6710RY	25.9	2.0	1.0	23	10-27
Dyna-Gro 36RY68	24.7	2.0	1.0	25	10-27
Dyna-Gro V61N9	21.7	2.0	1.8	20	10-27
Asgrow AG 6031	17.4	1.8	1.8	23	10-26
Maturity Group VII					
Woodruff	55.2	2.0	1.0	28	10-31
AGS 758 RR	48.4	2.0	1.0	25	10-27
NK Brand S78-G6	42.5	2.3	1.0	29	10-27
NK Brand S79-B9	40.7	3.0	1.0	29	10-28
Asgrow AG 7532	39.5	2.0	1.0	27	10-27
Dyna-Gro 35K73	35.1	2.0	1.0	27	10-27
Dyna-Gro V76N9RR	29.8	2.0	1.0	28	10-27
Progeny P 7310RY	22.7	2.0	1.3	21	10-28
Asgrow AG 7231	18.9	2.5	1.0	22	10-27
Maturity Group VII					
Pritchard RR	49.5	2.8	1.0	36	11-2
Au 02-2814	29.4	2.5	1.0	24	10-28
Trial mean	34.3	2.2	1.2	26	10-27
LSD(0.10)	14.8				
CV (%)	40.9				

TABLE 23. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, THREE-YEAR SUMMARY, 2009-2011

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
	----- bu/acre -----						
Maturity Group VI							
Asgrow AG 6931	41.7	52.1		2.4	1.0	33.3	9-28
Progeny P 6710RY	25.9	44.1		1.9	1.0	26.3	9-30
Dyna-Gro 36RY68	24.7	42.7		1.6	1.0	27.5	9-28
Dyna-Gro V61N9	21.7	39.6		1.8	1.5	24.3	9-27
Asgrow AG 6031	17.4	37.6		1.8	2.0	26.3	9-25
Asgrow AG 6732	41.9			2.0	1.8	24.5	10-26
NK Brand S68-D4	41.2			2.3	1.0	27.3	10-27
Asgrow AG 6132	31.8			2.0	2.0	27.5	10-27
Croplan Genetics R2C 6810	28.6			2.0	1.0	22.3	10-27
Maturity Group VII							
Woodruff	55.2	54.6	53.0	3.0	1.0	32.1	10-3
AGS 758 RR	48.4	51.8	52.9	2.3	1.0	31.7	10-2
Dyna-Gro V76N9RR	29.8	46.8	50.9	2.6	1.0	34.0	10-4
Dyna-Gro 35K73	35.1	48.2		2.5	1.0	32.5	9-30
Progeny P 7310RY	22.7	45.5		2.0	1.1	26.0	9-27
Asgrow AG 7231	18.9	42.0		2.3	1.0	26.0	9-25
NK Brand S78-G6	42.5			2.3	1.0	28.5	10-27
NK Brand S79-B9	40.7			3.0	1.0	28.5	10-28
Asgrow AG 7532	39.5			2.0	1.0	27.3	10-27
Maturity Group VIII							
Pritchard RR	49.5	50.2	48.0	3.2	1.0	38.8	10-9
Au 02-2814	29.4	41.5	47.0	2.8	1.1	30.9	10-8
Trial mean	34.3	45.9	50.4				
LSD(0.10)	6.7	5.7	4.5				
CV (%)	26.1	23.5	19.9				

TABLE 24. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, 2011

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group IV					
Progeny P 4911RY	28.9	1.0	28.9	42	9-10
Progeny P 4811RY	27.6	1.0	27.6	41	9-10
Progeny P 4910	24.4	1.0	24.4	36	9-14
Progeny P 4906RR	22.8	1.0	22.8	34	9-12
UA 4910	19.6	1.0	19.6	30	9-11
Progeny P 4908RR	18.7	1.0	18.7	34	9-11
Progeny P 4928LL	17.2	1.0	17.2	30	9-13
Progeny P 4710RY	15.9	1.0	15.9	31	9-11

continued

TABLE 24. CONTINUED.

Variety	Yield	Lodging score	Shattering score	Plant height	Maturity date
	- bu/acre -			- inches -	
Maturity Group V					
Terral REV 56R63	42.2	1.0	42.2	24	9-25
Progeny P 5191	37.5	1.0	37.5	20	9-15
Syngenta NK S 57-K3	36.8	1.0	36.8	27	9-27
Terral REV 55R21	33.0	1.0	33.0	23	9-29
Croplan Genetics R2C5820	32.5	1.0	32.5	24	9-20
Progeny P 5610RY	32.1	1.0	32.1	22	9-21
Progeny P 5770	32.0	1.0	32.0	21	9-26
Asgrow AG 5832	29.5	1.0	29.5	47	9-21
Progeny P 5160LL	29.1	1.0	29.1	19	9-17
Progeny P 5711RY	29.1	1.0	29.1	24	9-23
Progeny P 5650RR	29.0	1.0	29.0	28	9-28
Progeny P 5622RR	28.7	1.0	28.7	25	9-25
Progeny P 5218RR	28.1	1.0	28.1	21	9-22
Asgrow AG 5831	28.0	1.0	28.0	19	9-21
Terral REV 57R21	27.2	1.0	27.2	32	9-21
Terral REV 51R53	27.0	1.0	27.0	39	9-17
Progeny P 511RY	26.9	1.0	26.9	22	9-16
Syngenta NK S 54-V4	26.3	1.0	26.3	21	9-19
Progeny P 5960LL	26.2	1.0	26.2	26	9-22
Progeny P 5261LL	25.7	1.0	25.7	20	9-18
Ozark	25.6	1.0	25.6	22	9-15
HALO 5:65	24.7	1.0	24.7	21	9-23
Progeny P 5321RY	24.3	1.0	24.3	45	9-19
Progeny P 5655RY	24.2	1.0	24.2	25	9-17
Progeny P 5811RY	24.2	1.0	24.2	26	9-19
Terral REV 56R21	24.1	1.0	24.1	23	9-19
Progeny P 5210RY	23.9	1.0	23.9	20	9-20
AGS 597RR	22.8	1.0	22.8	24	9-24
Syngenta NK S 56-G6	22.6	1.0	22.6	16	9-27
Progeny P 5330RR	20.1	1.0	20.1	24	9-21
Progeny P 5460LL	19.1	1.0	19.1	33	9-14
HALO 5:25	18.5	1.0	18.5	20	9-16
Osage	17.9	1.0	17.9	21	9-17
Trial mean	26.2	1.0	26.2	27	9-19
LSD(0.10)	7.5				
CV (%)	27.1				

TABLE 25. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, THREE-YEAR SUMMARY, 2009-2011

Variety	Yield		Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg 3-yr avg				
	----- <i>bu/acre</i> -----					
Maturity Group IV						
Progeny P 4906RR	22.8	32.3	1.0	3.3	34.2	9-4
UA 4910	19.6	29.9	1.0	1.7	30.0	9-3
Progeny P 4908RR	18.7	24.9	1.2	16.7	33.0	9-4
Progeny P 4911RY	28.9		1.0		42.3	9-10
Progeny P 4811RY	27.6		1.0		41.0	9-10
Progeny P 4910	24.4		1.0		36.0	9-14
Progeny P 4928LL	17.2		1.0		30.3	9-13
Progeny P 4710RY	15.9		1.0		31.3	9-11

continued

TABLE 25. CONTINUED.

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
	----- <i>bu/acre</i> -----						
Maturity Group V							
HALO 5:65	24.7	39.3	46.0	1.0	0.0	24.2	9-21
Progeny P 5622RR	28.7	39.7	45.5	1.0	0.0	25.9	9-21
Ozark	25.6	38.5	44.9	1.0	0.0	22.7	9-17
Progeny P 5218RR	28.1	37.6	42.9	1.0	0.0	22.6	9-17
HALO 5:25	18.5	33.9	41.8	1.0	0.7	20.2	9-17
Osage	17.9	28.2	35.6	1.0	1.4	21.0	9-16
Asgrow AG 5831	28.0	43.9		1.0	0.0	20.8	9-10
Terral REV 55R21	33.0	42.0		1.0	0.0	23.7	9-15
Progeny P 5610RY	32.1	41.7		1.0	0.0	24.3	9-8
Terral REV 57R21	27.2	40.6		1.0	0.0	33.0	9-9
Progeny P 5210RY	23.9	39.0		1.0	0.0	24.5	9-9
Terral REV 56R21	24.1	38.8		1.0	0.0	24.8	9-6
Syngenta NK S 56-G6	22.6	36.9		1.0	0.0	18.8	9-12
Progeny P 5330RR	20.2	33.1		1.0	10.0	27.0	9-10
Terral REV 56R63	42.2			1.0		23.7	9-25
Progeny P 5191	37.5			1.0		20.0	9-15
Syngenta NK S 57-K3	36.8			1.0		27.0	9-27
Croplan Genetics R2C5820	32.5			1.0		24.3	9-20
Progeny P 5770	32.1			1.0		20.3	9-26
Asgrow AG 5832	29.5			1.0		46.7	9-21
Progeny P 5160LL	29.1			1.0		19.3	9-17
Progeny P 5711RY	29.1			1.0		23.7	9-23
Progeny P 5650RR	29.0			1.0		28.0	9-28
Terral REV 51R53	27.0			1.0		38.7	9-17
Progeny P 511RY	26.9			1.0		21.7	9-16
Syngenta NK S 54-V4	26.3			1.0		21.3	9-19
Progeny P 5960LL	26.2			1.0		26.3	9-22
Progeny P 5261LL	25.7			1.0		20.3	9-18
Progeny P 5321RY	24.3			1.0		44.7	9-19
Progeny P 5811RY	24.3			1.0		26.3	9-18
Progeny P 5655RY	24.2			1.0		25.0	9-17
AGS 597RR	22.8			1.0		24.3	9-24
Progeny P 5460LL	19.1			1.0		33.3	9-14
Trial mean	26.2	36.5	42.8	1.0	2.0	27.5	9-16
LSD(0.10)	7.5	4.2	2.8				
CV (%)	26.9	15.3	10.7				

TABLE 26. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES AT BREWTON, ALABAMA, 2011

Variety	Yield - bu/acre -	Lodging score	Shattering score	Plant height - inches -	Maturity date
Maturity Group VI					
Asgrow AG 6931	42.2	1.0	42.2	35	10-14
Croplan Genetics R2C 6810	37.2	1.0	37.2	31	10-23
Progeny P 6710RY	35.8	1.0	35.8	30	10-21
Asgrow AG 6732	35.1	1.0	35.1	26	10-18
NK Brand S68-D4	34.7	1.0	34.7	32	10-8
Asgrow AG 6132	33.6	1.0	33.6	29	10-13
Asgrow AG 6031	28.6	1.0	28.6	24	9-21
R04-342	25.1	1.0	25.1	18	9-17
Maturity Group VII					
Woodruff	44.4	1.0	44.4	36	10-24
NK Brand S79-B9	40.6	1.0	40.6	48	10-22
Progeny P 7310RY	40.0	1.0	40.0	28	10-16
NK Brand S78-G6	39.1	1.0	39.1	39	10-18
AGS 758 RR	39.1	1.0	39.1	32	10-17
Asgrow AG 7532	36.1	1.0	36.1	30	10-18
Asgrow AG 7231	34.8	1.0	34.8	30	10-20
Maturity Group VIII					
Pritchard RR	50.2	1.0	50.2	40	10-22
Au 02-2814	48.1	1.0	48.1	38	10-22
Trial mean	37.9	1.0	37.9	32	10-15
LSD(0.10)	6.7				
CV (%)	16.5				

TABLE 27. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, THREE-YEAR SUMMARY, 2009-2011

Variety	Yield			Lodging score	Shattering score	Plant height	Maturity date
	2011	2-yr avg	3-yr avg				
----- bu/acre -----			- inch -				
Maturity Group VI							
Asgrow AG 6931	42.2	44.5		1.0	0.0	32.2	9-21
Progeny P 6710RY	35.8	38.1		1.0	0.0	29.5	9-23
Asgrow AG 6031	28.6	31.8		1.0	10.0	25.7	9-10
Croplan Genetics R2C 6810	37.2			1.0		31.0	10-23
Asgrow AG 6732	35.1			1.0		25.7	10-18
NK Brand S68-D4	34.7			1.0		32.3	10-8
Asgrow AG 6132	33.6			1.0		28.7	10-13
R04-342	25.1			1.0		18.3	9-17
Maturity Group VII							
Woodruff	44.4	48.0	49.5	1.0	0.0	31.2	10-3
AGS 758 RR	39.1	41.1	44.6	1.0	0.0	29.1	9-30
Progeny P 7310RY	40.0	47.4		1.0	0.0	27.7	9-24
Asgrow AG 7231	34.8	39.2		1.0	0.0	29.2	9-20
NK Brand S79-B9	40.6			1.0		47.7	10-22
NK Brand S78-G6	39.1			1.0		38.7	10-18
Asgrow AG 7532	36.1			1.0		29.5	10-18
Maturity Group VIII							
Au 02-2814	48.1	45.4	49.1	1.0	0.0	34.2	10-6
Pritchard RR	50.2	46.8	47.6	1.1	0.0	37.6	10-5
Trial mean	37.9	42.5	47.7				
LSD(0.10)	4.7	3.6	3.1				
CV (%)	16.5	15.7	14.2				

TABLE 28. CULTURAL PRACTICES FOR SOYBEAN VARIETY TESTS IN 2011

Location	Type of test	Date planted	Row width	Herbicide used	Fertilizer applied
			<i>- inches -</i>		
Belle Mina	Group IV	Not planted	30	.	none recommended
	Group IV-V	June 2	30	Valor	none recommended
	Group Mid-Late V	June 2	30	Treflan, Valor	none recommended
	Group VI-VII	June 3	30	Treflan, Valor	none recommended
Crossville	Group IV	May 5	30	Prowl, FirstRate	none recommended
	Group IV-V	May 20	30	Prowl, Valor	none recommended
	Group Mid-Late V	May 23	30	Prowl, Valor	none recommended
	Group VI-VII	June 30	30	Prowl, Valor	none recommended
Tallassee	Group IV	April 29	30	Roundup	none recommended
Shorter	Group IV-V	June 9	36	Dual, Prowl	none recommended
	Group VI-VII	June 9	36	Dual, Prowl	none recommended
Marion Junction	Group IV-V (Sumter)	May 19	36	Basagram, Poast	none recommended
	Group VI-VII (Sumter)	May 19	36	Basagram, Poast	none recommended
	Group IV-V (Vaiden)	May 19	36	Basagram, Poast	none recommended
	Group VI-VII (Vaiden)	May 19	36	Basagram, Poast	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 14	38	Karate, Storm	none recommended

TABLE 29. SOIL TYPES FOR SOYBEAN TESTS, 2011

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)
Marion Junction	Vaiden clay
Fairhope	Malbis fine sandy loam

TABLE 30. RAINFALL AT TEST LOCATIONS DURING GROWING SEASON, 2011

Month	Days	Belle Mina	Crossville	Shorter	Marion Junction	Brewton	Fairhope
----- inches -----							
May	1-5	0.5	0.5	0.4	1.4	1.0	1.3
	6-10	0.4	0.6	0.5	0.4	0.0	0.0
	11-15	1.0	1.0	0.2	0.3	0.0	0.0
	16-20	0.6	1.1	1.4	1.0	1.5	5.9
	21-25	0.0	0.1	0.0	0.4	1.9	2.1
	26-31	2.3	1.5	0.0	0.0	0.1	0.0
June	1-5	0.0	0.2	0.0	0.2	0.0	0.0
	6-10	0.0	0.0	0.0	0.3	0.1	0.0
	11-15	3.0	0.1	2.0	1.5	4.4	1.7
	16-20	0.0	0.0	1.1	0.8	0.0	0.0
	21-25	0.1	0.0	0.2	0.0	1.0	0.4
	26-31	0.1	0.8	0.7	0.7	3.7	1.2
July	1-5	0.1	0.1	0.0	0.0	1.8	1.5
	6-10	1.4	0.0	0.0	0.3	1.1	0.5
	11-15	0.0	0.1	2.3	0.0	1.8	1.8
	16-20	0.0	0.0	0.0	0.0	0.0	0.0
	21-25	0.3	0.3	1.1	2.4	0.8	0.2
	26-31	0.8	0.2	0.9	0.0	0.7	1.4
August	1-5	1.3	1.1	0.5	0.0	0.5	0.5
	6-10	0.7	0.1	0.5	0.0	0.4	3.5
	11-15	0.4	0.5	1.7	2.8	3.7	3.6
	16-20	0.0	0.0	0.0	0.3	3.6	0.8
	21-25	0.9	1.5	5.0	4.8	2.4	2.1
	26-31	2.1	5.7	2.8	2.5	1.4	0.7
September	1-5	0.1	0.0	0.0	0.0	0.5	5.8
	6-10	0.2	1.0	0.2	0.1	1.4	0.3
	11-15	0.6	0.4	0.5	0.1	0.2	0.3
	16-20	0.1	0.0	0.0	0.0	0.1	1.2
	21-25	0.0	0.0	0.0	0.0	0.0	0.1
	26-31	0.0	0.0	0.0	0.0	0.0	0.0
October	1-5	0.0	0.0	0.0	0.0	0.0	0.0
	6-10	2.3	1.8	1.3	1.0	1.6	1.0
	11-15	0.0	0.0	0.0	0.0	0.0	0.0
	16-20	0.2	0.0	0.3	0.5	0.0	0.2
	21-25	0.9	0.4	2.3	0.4	1.4	3.0
	26-31	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 31. ENTRIES AND SOURCES OF SEED FOR SOYBEAN TESTS, 2011

Source	Entry
AG South Genetics, LLC Albany, Georgia	AGS brand varieties
Alabama Crop Imp. Assoc. Auburn, Alabama	Hinson, Stonewall
Auburn University Auburn, Alabama	Au 02-3223, Au 02-2814, Au 02-3104
Croplan Genetics/Land O' Lakes Elkmont, Alabama	Croplan Genetics
Eagle Seed Company Wiener, Arkansas	ES brand varieties
Monsanto St. Louis, Missouri	Asgrow brand varieties, Deltapine brand varieties
Progeny Ag Products Wynne, Arkansas	Progeny brand varieties
Schillinger Seed Inc. West Des Moines, Iowa	Schillinger brand varieties
Southern States Coop. Richmond, Virginia	SS brand varieties
Syngenta/NK Brand Seed Laurinburg, North Carolina	NK S brand varieties
UniSouth Genetics, Inc. Nashville, Tennessee	USG brand varieties
United Agri-Products Madison, Alabama	Dyna-Gro brand varieties
University of Arkansas Fayetteville, Arkansas	UA 4805, R03-224, Osage, Ozark
University of Georgia Athens, Georgia	Prichard RR