The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
The University of Georgia

Annual Publication 103-6
December 2014

GEORGIA

2014 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests

John D. Gassett, Dustin G. Dunn, Henry Jordan Jr., and J. LaDon Day, Editors

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Conversion Table

U.S. *Abbr.*	*Unit*	*Approximate Metric Equivalent*
	Length	
mi	mile	1.609 kilometers
yd	yard	0.9144 meters
ft *or* '	foot	30.48 centimeters
in *or* "	inch	2.54 centimeters
	Area	
sq mi *or* mi^2	square mile	2.59 square kilometers
acre	acre	0.405 hectares *or* 4047 square meters
sq ft *or* ft^2	square foot	0.093 square meters
	Volume/Capacity	
gal	gallon	3.785 liters
qt	quart	0.946 liters
pt	pint	0.473 liters
fl oz	fluid ounce	29.573 milliliters or 28.416 cubic centimeters
bu	bushel	35.238 liters
cu ft *or* ft^3	cubic foot	0.028 cubic meters
	Mass/Weight	
ton	ton	0.907 metric ton
lb	pound	0.453 kilogram
oz	ounce	28.349 grams

Metric *Abbr.*	*Unit*	*Approximate U.S. Equivalent*
	Length	
km	kilometer	0.62 mile
m	meter	39.37 inches *or* 1.09 yards
cm	centimeter	0.39 inch
mm	millimeter	0.04 inch
	Area	
ha	hectare	2.47 acres
	Volume/Capacity	
liter	liter	61.02 cubic inches *or* 1.057 quarts
ml	milliliter	0.06 cubic inch *or* 0.034 fluid ounce
cc	cubic centimeter	0.061 cubic inch *or* 0.035 fluid ounce
	Mass/Weight	
MT	metric ton	1.1 tons
kg	kilogram	2.205 pounds
g	gram	0.035 ounce
mg	milligram	3.5×10^{-5} ounce

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ISSN 0072-128X

PREFACE

This research report presents the results of the 2014 statewide performance tests of soybean, sorghum grain and silage, and summer annual forages. The tests for various evaluations were conducted at several or all of the following locations: Tifton, Plains, and Midville in the Coastal Plain region; Griffin and Athens in the Piedmont region; and Calhoun in the Limestone Valley region. For identification of the test site locations, consult the map inside the back cover of this report.

The University of Georgia soybean OVT trials are irrigated. In addition, during 2014, dryland soybean OVT trials were conducted at four locations: Midville, Plains, Tifton, and Griffin, and are included in this report.

Agronomic information, such as plant height, lodging, disease occurrence, etc., is listed along with the yield data. Information concerning planting and harvest dates, soil type, and culture and fertilization practices used in each trial is included in the footnotes. Since the average yield for several years gives a better indication of a variety's potential than one year's data, multiple-year yield summaries have been included.

In order to have a broad base of information, a number of varieties, including experimental lines, are included in the trials, but this does not imply that all are recommended for Georgia. Varieties best suited to a specific area or for a particular purpose, and agreed upon by College of Agricultural and Environmental Sciences agronomists, are presented in the 2014 Spring Planting Schedule for Georgia (available from your county Extension office). Pesticides used for production practices are included for the benefit of the reader and do not imply any endorsement or preferential treatment by the University of Georgia Agricultural Experiment Station. For additional information, contact your local county Extension agent or the nearest experiment station.

The least significant difference (LSD) at the 10% level has been included in the tables to aid in comparing hybrids. If the yields of any two hybrids exceed the LSD value, they may be considered different in yield ability. **Bolding** is used in the performance tables to indicate hybrids with yields statistically equal to the highest yielding entry in the test. The standard error (Std. Err.) of an entry mean is included at the bottom of each table to provide a general indicator of the level of precision of each experiment. The lower the value of the standard error of the entry mean, the more precise the experiment.

This report is one of four publications presenting the performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2014 Corn Performance Tests (Annual Publication #101-6), 2013-2014 Small Grains Performance Tests (Annual Publication #100-6), 2013 Peanut, Cotton, and Tobacco Performance Tests (Annual Publication #104-5), and 2013-2014 Canola data available at www.swvt.uga.edu/canola.html.

This report, along with performance test information on other crops, is also available online at **www.swvt.uga.edu**. Additional information may be obtained by writing John Gassett, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797.

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2014 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests

Edited by
John D. Gassett, Dustin G. Dunn, Henry Jordan Jr.,
and J. LaDon Day

The Season

Georgia agricultural producers were faced with cool, wet planting conditions for a second year. For most of the state, soil moisture was adequate for planting, but spring plantings of soybeans and sorghum were delayed due to excessive rainfall amounts and delayed harvest of small grains. Low soil temperatures from cool nights and lower than normal temperatures during the day were also concerns. Irrigation needs increased across much of the state in June and July. Green soybean stems were a concern for some growers across the state at harvest, while Asian soybean rust was not as big a concern for Georgia growers this year as it was in 2013. The predominant insect pests included army worms and the sugar cane aphid.

Rainfall amounts recorded monthly at the six test locations in Georgia during the 2014 growing season are presented in the following table. Midville and Tifton were the only two locations out of six that received above normal rainfall for the season.

Growing Season Rainfall[1], 2014

Month	Year	Athens[2]	Calhoun[3]	Griffin	Midville	Plains	Tifton
		----------	----------	----------	inches	----------	----------
March	2014	3.75	4.38	5.24	3.71	3.40	5.46
April	2014	4.56	7.02	5.64	6.24	7.91	8.72
May	2014	4.11	3.81	1.53	9.21	1.25	8.41
June	2014	4.72	5.63	3.82	2.98	1.87	2.88
July	2014	2.92	2.75	3.35	5.95	2.70	3.00
August	2014	2.26	1.37	2.26	2.65	1.00	1.50
September	2014	1.22	3.26	0.05	3.73	2.67	5.96
October	2014	2.78	3.83	4.06	3.70	2.85	2.21
November	2014	3.34	4.00	2.72	4.22	4.28	6.54
Total (9 mo)		29.66	36.05	28.67	42.39	27.93	44.68
Normal (9 mo)		35.92	41.54	36.54	32.60	35.23	33.65

1. Data submitted by Dr. I. Flitcroft, Georgia Station, Griffin, Ga.
2. Plant Sciences Farm.
3. Floyd County location.

The 2014 crop maturity progressed normally based on the five-year average while harvest conditions continued to be challenging with weekly rainfall. Georgia soybean producers planted 300,000 acres this year, a 23% increase from 2013. 35,000 acres of sorghum were planted in 2014, a reduction of 20,000 acres from last year, and the lowest amount of acreage since 1952.

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The state yield for soybeans was 41 bushels per acre (record yield per acre) and produced 11.89 million bushels. This production was a 22% increase over 2013 due to the increase in acres planted and bushels per acre produced. 25,000 acres of grain sorghum were harvested in Georgia this year. This is a 17% reduction from the previous year. Hay production increased 0.07% to 2.9 tons/acre or 1.682 million tons in 2014.

SOYBEAN

Summary of MG V and MG VI Soybean Variety Performance at Six Locations, 2014

Company/Brand	Variety	2014 Yield[1]						Statewide Average	
		Athens	Calhoun	Griffin	Midville	Plains	Tifton	2014	2-Year
		bu/acre							
Maturity Group V									
AR	R05-374	35.1	**57.2**	55.7	61.2	45.6	**77.7**	55.4	.
AR	UA 5213C	44.7	55.8	**65.5**	54.4	55.0	68.8	57.4	.
AR	UA 5612	43.6	56.4	58.7	58.9	**59.2**	66.9	57.3	56.4
AgSouth	AGS 533 LL	37.5	**57.5**	**61.1**	66.9	53.8	69.6	57.7	**58.7**
AgSouth	AGS 568RR	**48.4**	**58.0**	57.7	61.4	52.1	**76.2**	**59.0**	**57.9**
Armor	49-R56	**52.8**	46.9	**58.9**	**68.1**	49.5	70.0	57.7	.
Armor	50-R44	45.3	**59.7**	50.0	56.3	46.4	62.4	53.4	.
Armor	51-R50	40.9	**59.7**	57.8	60.2	49.5	67.2	55.9	.
Armor	53-R16	44.2	**58.2**	57.5	60.7	56.5	**79.1**	**59.4**	**58.3**
Armor	55-R22	33.8	**57.6**	**64.3**	66.3	56.1	53.9	55.3	55.7
Armor	AX4490	45.7	43.9	49.4	58.7	56.1	**74.0**	54.6	.
Armor	AX4520	38.7	52.1	**59.1**	66.9	57.8	**81.1**	**59.3**	.
Armor	AX4550	**47.0**	**58.4**	**63.0**	63.7	53.9	**75.3**	**60.2**	.
Asgrow	AG5535	37.2	**58.6**	54.6	62.7	56.7	**80.4**	**58.4**	.
Asgrow	AG5935	34.5	55.6	**61.1**	**73.5**	**59.9**	65.3	**58.3**	.
Bayer	HBK LL4850	39.6	51.8	49.6	65.1	47.2	68.8	53.7	.
Bayer	HBK LL4950	40.3	**59.4**	**63.2**	65.1	**59.3**	72.7	**60.0**	**60.1**
Bayer	HBK LL4953	40.7	53.6	55.9	66.0	54.2	65.2	55.9	.
Bayer	HBK RY5221	38.7	44.4	**59.8**	55.6	38.2	56.1	48.8	49.8
Bayer	HBK RY5421	41.3	**57.3**	**59.2**	55.9	50.7	65.3	55.0	55.5
Dyna-Gro	39RY57	35.2	**62.2**	**58.8**	**68.6**	**59.1**	68.5	**58.7**	.
Dyna-Gro	556RY84	46.7	**59.9**	**59.5**	64.8	57.7	**83.8**	**62.1**	.
GoSoy	5911LL	33.8	51.5	57.3	66.7	47.7	55.6	52.1	.
NK	S52-Y2 Brand	**50.1**	48.5	**60.2**	**69.9**	52.5	**74.6**	**59.3**	**60.3**
NK	S55-Q3 Brand	43.4	**62.8**	**60.0**	61.1	54.6	**85.7**	**61.3**	.
NK	S59-V9 Brand	37.3	**59.7**	57.0	63.6	56.8	71.4	57.6	.
Pioneer	P52T86R	41.2	**58.3**	**67.3**	65.4	48.3	**78.4**	**59.8**	.
Pioneer	95Y70	39.6	**58.0**	**65.4**	64.3	**58.6**	67.0	**58.8**	57.0
Pioneer	95Y71	37.8	**63.5**	**63.1**	**73.8**	50.0	63.0	**58.5**	57.7
Pioneer	P54T94R	42.3	56.1	55.2	**69.1**	51.4	65.7	56.6	.
Public Variety	Osage	31.0	53.6	**62.8**	66.0	53.0	70.2	56.1	55.5
Public Variety	Ozark	32.2	**59.2**	**65.3**	58.6	53.3	65.8	55.7	55.8
SS	5513N R2	**47.5**	54.4	**59.7**	65.2	**59.6**	**80.3**	**61.1**	**59.9**
SS	5711N R2	38.6	**59.4**	**65.5**	**67.9**	**62.7**	73.0	**61.2**	**59.8**
SS	5911N R2	37.3	**57.5**	**64.7**	54.0	**60.9**	58.4	55.5	54.1
SS	LL 595N	36.5	**58.4**	**58.8**	**67.6**	50.3	65.1	56.1	57.1
SS	SS 5511N R2	42.4	**60.5**	**63.0**	63.7	55.2	68.9	**59.0**	57.7
Terral-REV®	55R53™	45.3	50.3	57.6	62.1	51.8	**73.6**	56.8	.
Terral-REV®	56R63™	44.5	**57.4**	53.1	55.7	52.5	**77.1**	56.7	**58.2**
Terral-REV®	57R21™	35.4	54.7	**67.8**	59.3	46.6	64.3	54.7	55.8

Summary of MG V and MG VI Soybean Variety Performance at Six Locations, 2014 (Continued)

Company/Brand	Variety	2014 Yield[1]						Statewide Average	
		Athens	Calhoun	Griffin	Midville	Plains	Tifton	2014	2-Year
		bu/acre							
Maturity Group V - continued									
US Seeds	HALO 4:94	32.1	44.8	52.7	59.0	50.6	65.6	50.8	.
US Seeds	HALO 5:25	34.1	54.5	**62.8**	**68.1**	50.5	66.3	56.0	.
US Seeds	Halo 4:95	39.0	51.2	50.9	63.5	50.1	67.5	53.7	.
US Seeds	Halo 4:97	38.7	51.5	55.3	58.7	47.9	66.2	53.1	.
US Seeds	Halo 5:01	38.9	**61.7**	53.3	63.6	51.7	65.5	55.8	**58.4**
US Seeds	Halo 5:26	37.1	51.1	**62.7**	57.5	**59.1**	58.7	54.4	56.1
US Seeds	Halo 5:45	34.8	55.3	57.1	62.1	55.1	69.6	55.7	**58.3**
US Seeds	Halo X449	47.8	54.9	52.9	58.7	47.5	**74.4**	56.0	.
US Seeds	Halo X451	33.6	51.0	**64.5**	**67.1**	53.0	69.6	56.5	.
US Seeds	Halo X452	40.6	**57.8**	**62.6**	60.7	54.2	66.4	57.0	.
Average		40.1	55.6	59.2	63.1	53.2	69.5	56.8	57.1
LSD at 10% Level		5.8	6.7	9.0	6.7	4.6	12.1	3.9	2.4
Std. Err. of Entry Mean		2.5	2.8	3.8	2.8	2.0	5.1	1.7	1.0
Maturity Group VI									
Armor	61-R14	**43.4**	**54.4**	**68.6**	52.1	62.5	63.7	57.4	.
Armor	67-R90	36.7	40.8	54.5	61.6	**74.1**	66.6	55.7	.
Asgrow	AG6534	34.3	44.9	53.9	60.5	56.9	65.5	52.7	54.4
Asgrow	AG6834	**46.6**	**47.4**	57.1	**65.1**	67.1	**84.7**	**61.3**	**58.3**
Croplan Genetics	R2C6764	32.4	42.3	62.3	57.9	**67.8**	74.5	56.2	.
Dyna-Gro	S65RY73	**40.5**	**52.5**	59.3	57.2	**70.4**	**81.0**	**60.1**	**59.6**
Dyna-Gro	S69RY34	37.4	44.9	51.2	55.8	**68.3**	66.2	54.0	52.6
Dyna-Gro	SX14867R	37.3	42.6	61.9	**67.4**	65.1	73.0	57.9	.
NK	S67-R6 Brand	**42.5**	**50.7**	54.8	**67.2**	67.0	**85.8**	**61.3**	**60.5**
Public Variety	Musen	36.8	41.7	52.2	49.2	62.4	64.7	51.2	50.5
SS	6713N R2	37.9	**49.3**	62.5	**66.8**	**68.5**	76.1	**60.2**	55.8
SS	SS 6810N R2	36.5	41.6	58.2	**63.5**	**70.7**	68.1	56.4	56.1
UGA	G10-3429 RR	**44.8**	46.2	56.6	60.1	59.1	**84.0**	58.5	.
Average		39.0	46.1	57.9	60.3	66.1	73.4	57.1	56.0
LSD at 10% Level		6.6	7.7	5.5	**5.3**	6.2	6.7	2.5	2.3
Std. Err. of Entry Mean		2.7	3.2	2.3	**2.2**	2.5	2.8	1.1	1.0

1. Yields calculated at 13% moisture.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Summary of MG VII and VIII Soybean Variety Performance at Six Locations, 2014

		2014 Yield[1]						Statewide[2] Average	
		Late-Planted		Early-Planted					
Company/Brand	Variety	Griffin	Plains	Athens	Midville	Plains	Tifton	2014	2-Year
		bu/acre							
Maturity Group VII and VIII									
AgSouth	AGS 738 RR	59.3	60.1	53.8	61.7	62.8	**76.8**	62.4	**63.7**
AgSouth	AGS 787 RR	53.9	57.2	50.4	57.0	58.1	58.9	55.9	59.0
AgSouth	AGS 828 RR	57.6	58.9	48.3	59.0	59.8	**77.7**	60.2	60.4
AgSouth	AGS Prichard RR	56.5	48.6	47.3	44.1	54.2	64.5	52.6	54.5
AgSouth	AGS Woodruff	**67.9**	52.5	**61.2**	57.5	54.2	64.4	59.6	**63.1**
Armor	AX4700	57.8	51.2	51.2	56.9	54.4	60.5	55.3	.
Armor	AX4750	60.2	45.2	48.6	57.9	61.0	50.4	53.9	.
Armor	AX4770	57.1	**65.5**	48.4	56.1	**74.3**	**78.3**	63.3	.
Asgrow	AG7535	**74.4**	**65.9**	52.6	**76.2**	64.9	73.0	**67.8**	.
Asgrow	AG7934	58.5	61.5	44.7	58.5	66.3	73.4	60.5	**63.0**
Bayer	HBK RY7523	61.5	55.8	49.0	61.0	56.5	57.1	56.8	58.6
Croplan Genetics	R2C7094	55.0	58.5	50.6	60.4	59.8	57.0	56.9	.
Dyna-Gro	34RY75	60.4	58.8	53.6	49.2	67.3	**77.0**	61.1	**62.8**
Dyna-Gro	S74RY15	59.5	60.5	46.3	57.3	61.3	58.5	57.2	59.6
Dyna-Gro	S77RY85	60.6	**70.3**	43.0	59.8	68.0	**75.6**	62.9	.
Dyna-Gro	S79RY05	61.2	56.2	39.4	57.7	55.4	65.6	55.9	.
NK	S74-M3 Brand	62.0	60.4	**57.5**	66.8	**69.5**	73.0	**64.9**	**64.4**
NK	S77-T7 Brand	52.8	60.1	49.8	43.5	63.2	**81.9**	58.6	60.8
Public Variety	Cook	56.1	44.8	43.2	58.2	53.5	60.0	52.6	54.9
Public Variety	Motte	46.6	**66.7**	43.4	45.8	58.5	65.5	54.4	56.7
Public Variety	Santee	58.6	62.3	53.2	57.4	59.7	68.4	59.9	60.9
SC	SC03-062	64.7	**65.0**	44.9	61.2	66.7	55.9	59.7	61.1
SC	SC04-306	60.3	60.3	**54.7**	58.5	66.0	66.4	61.0	60.5
SC	SC04-375	60.6	58.6	50.9	59.7	67.0	72.8	61.6	.
SC	SC04-386RR	54.6	57.8	46.3	63.6	58.4	71.7	58.7	.
SC	SC06-301RR	57.2	57.2	51.9	50.4	63.1	66.2	57.7	.
SC	SC07-108	59.2	**64.2**	51.5	60.0	58.3	**75.0**	61.4	60.4
SC	SC07-1490RR	62.0	56.2	40.0	59.6	51.2	68.2	56.2	.
SC	SC07-1518RR	63.6	54.3	48.4	63.2	51.6	64.6	57.6	.
SC	SC07-676RR	58.9	45.3	46.6	60.9	55.4	70.4	56.2	.
SC	SC07-786RR	60.9	56.0	43.8	45.6	55.9	65.2	54.6	.
SS	SS 7511N R2	59.4	56.7	**55.2**	60.5	59.2	**74.9**	61.0	61.4
Terral-REV®	73R74™	57.9	54.7	53.8	55.8	56.4	64.3	57.1	.
UGA	G08-3279RR	61.6	60.1	48.9	56.3	60.1	65.0	58.7	60.0
UGA	G08-4200RR	55.0	62.2	52.7	60.4	65.1	73.3	61.4	60.7
UGA	G10-3833 RR	61.1	62.0	43.7	53.1	62.6	65.1	57.9	.
UGA	G10-3913R2	54.7	63.2	51.5	56.8	61.6	66.9	59.1	.
UGA	G10PR-224R2	64.2	63.5	45.1	60.0	67.1	**76.7**	62.8	**62.8**
UGA	G10PR-3954R2	56.9	56.7	41.4	59.0	56.5	68.3	56.5	.
UGA	G10PR-56264R2	57.1	52.7	49.9	61.9	54.4	64.2	56.7	61.2
UGA	G10PR-56444R2	59.1	**68.6**	47.0	62.3	64.8	**75.0**	62.8	**64.3**
UGA	G10PR-86R2	60.9	60.8	51.3	59.9	57.6	71.7	60.4	**62.6**
UGA	G11PR-209R2	56.4	**66.3**	52.7	55.8	64.8	**80.2**	62.7	.
UGA	G11PR-407R2	61.9	62.1	46.5	55.6	63.0	65.1	59.0	.
UGA	G11PR-418R2	56.4	55.0	51.1	60.6	60.7	68.9	58.8	.

Summary of MG VII and VIII Soybean Variety Performance at Six Locations, 2014 (Continued)

		2014 Yield[1]						Statewide[2] Average	
		Late-Planted		Early-Planted					
Company/Brand	Variety	Griffin	Plains	Athens	Midville	Plains	Tifton	2014	2-Year
		bu/acre							
Maturity Group VII and VIII - continued									
UGA	G11PR-56151R2	62.5	57.3	49.2	62.3	59.3	70.0	60.1	.
UGA	G11PR-56158R2	63.6	56.3	49.2	60.4	57.3	61.6	58.1	.
UGA	G11PR-56238R2	56.9	63.5	50.9	63.0	60.4	**76.4**	61.9	.
UGA	G12PR-54R2	56.0	58.9	52.0	51.8	63.1	**79.3**	60.2	59.8
UGA	G12PR-63R2	63.9	60.1	52.6	61.3	62.1	**78.5**	63.1	**62.2**
UGA	G12PR-7R2	58.0	60.0	46.8	59.6	61.1	68.0	58.9	**62.5**
USG	77S13R	57.4	61.2	42.3	60.2	57.2	64.1	57.1	58.3
USG	77S40R2	**72.3**	60.5	50.0	65.8	65.2	74.2	**64.7**	**64.1**
USG	77S63R	62.6	52.5	49.9	59.5	62.2	59.0	57.6	60.5
USG	78S04R	60.4	**65.2**	37.8	56.8	59.3	58.8	56.4	.
Average		59.6	58.8	48.8	58.2	60.7	68.4	59.1	60.8
LSD at 10% Level		7.7	6.4	6.8	5.0	7.1	55.8	3.1	2.4
Std. Err. of Entry Mean		3.3	2.7	2.9	**2.1**	**3.0**	2.5	1.3	1.0

1. Yields calculated at 13% moisture.
2. All six locations.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Regional Summary of MG V and VI Soybean Variety Performance, 2014

Company or Brand Name	Variety	Yield[1] South[2] 2014	South[2] 2-Year Average	North[3] 2014	North[3] 2-Year Average	Statewide[4] 2014	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group V							
AR	R05-374	61.5	.	**49.3**	.	55.4	.
AR	UA 5213C	59.4	.	**55.3**	.	57.4	.
AR	UA 5612	61.7	59.6	**52.9**	**53.1**	57.3	56.4
AgSouth	AGS 533 LL	63.4	63.4	**52.0**	**54.1**	57.7	**58.7**
AgSouth	AGS 568RR	63.2	61.8	**54.7**	**54.0**	**59.0**	**57.9**
Armor	49-R56	62.5	.	**52.9**	.	57.7	.
Armor	50-R44	55.1	.	**51.7**	.	53.4	.
Armor	51-R50	59.0	.	**52.8**	.	55.9	.
Armor	53-R16	**65.4**	61.7	**53.3**	**54.8**	**59.4**	**58.3**
Armor	55-R22	58.8	58.8	**51.9**	**52.7**	55.3	55.7
Armor	AX4490	62.9	.	**46.3**	.	54.6	.
Armor	AX4520	**68.6**	.	**50.0**	.	**59.3**	.
Armor	AX4550	**64.3**	.	**56.2**	.	**60.2**	.
Asgrow	AG5535	**66.6**	.	**50.1**	.	**58.4**	.
Asgrow	AG5935	**66.2**	.	**50.4**	.	**58.3**	.
Bayer	HBK LL4850	60.4	.	**47.0**	.	53.7	.
Bayer	HBK LL4950	**65.7**	**65.2**	**54.3**	**54.9**	**60.0**	**60.1**
Bayer	HBK LL4953	61.8	.	**50.1**	.	55.9	.
Bayer	HBK RY5221	50.0	49.9	**47.6**	**49.6**	48.8	49.8
Bayer	HBK RY5421	57.3	58.9	**52.6**	**52.1**	55.0	55.5
Dyna-Gro	39RY57	**65.4**	.	**52.1**	.	**58.7**	.
Dyna-Gro	556RY84	**68.7**	.	**55.4**	.	**62.1**	.
GoSoy	5911LL	56.7	.	**47.5**	.	52.1	.
NK	S52-Y2 Brand	**65.7**	**64.0**	**52.9**	**56.6**	**59.3**	**60.3**
NK	S55-Q3 Brand	**67.2**	.	**55.4**	.	**61.3**	.
NK	S59-V9 Brand	**63.9**	.	**51.3**	.	57.6	.
Pioneer	P52T86R	**64.0**	.	**55.6**	.	**59.8**	.
Pioneer	95Y70	63.3	61.6	**54.3**	**52.4**	**58.8**	57.0
Pioneer	95Y71	62.3	60.8	**54.8**	**54.6**	**58.5**	57.7
Pioneer	P54T94R	62.0	.	**51.2**	.	56.6	.
Public Variety	Osage	63.1	58.5	**49.1**	**52.6**	56.1	55.5
Public Variety	Ozark	59.2	58.4	**52.2**	**53.1**	55.7	55.8
SS	5513N R2	**68.3**	**66.6**	**53.8**	**53.3**	**61.1**	**59.9**
SS	5711N R2	**67.8**	**65.6**	**54.5**	**54.1**	**61.2**	**59.8**
SS	5911N R2	57.7	56.6	**53.2**	**51.7**	55.5	54.1
SS	LL 595N	61.0	60.8	**51.2**	**53.5**	56.1	57.1
SS	SS 5511N R2	62.6	61.5	**55.3**	**53.9**	**59.0**	57.7
Terral-REV®	55R53™	62.5	.	**51.1**	.	56.8	.
Terral-REV®	56R63™	61.8	**64.1**	**51.7**	**52.3**	56.7	**58.2**
Terral-REV®	57R21™	56.7	59.1	**52.6**	**52.5**	54.7	55.8

Regional Summary of MG V and MG VI Soybean Variety Performance, 2014 (Continued)

Company or Brand Name	Variety	Yield[1] South[2] 2014	South[2] 2-Year Average	North[3] 2014	North[3] 2-Year Average	Statewide[4] 2014	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group V - continued							
US Seeds	HALO 4:94	58.4	.	**43.2**	.	50.8	.
US Seeds	HALO 5:25	61.6	.	**50.5**	.	56.0	.
US Seeds	Halo 4:95	60.4	.	**47.0**	.	53.7	.
US Seeds	Halo 4:97	57.6	.	**48.5**	.	53.1	.
US Seeds	Halo 5:01	60.3	62.7	**51.3**	**54.1**	55.8	**58.4**
US Seeds	Halo 5:26	58.4	57.0	**50.3**	**55.2**	54.4	56.1
US Seeds	Halo 5:45	62.3	62.3	**49.1**	**54.4**	55.7	**58.3**
US Seeds	Halo X449	60.2	.	**51.9**	.	56.0	.
US Seeds	Halo X451	63.2	.	**49.7**	.	56.5	.
US Seeds	Halo X452	60.4	.	**53.6**	.	57.0	.
Average		61.9	60.8	51.6	53.5	56.8	57.1
LSD at 10% Level		4.8	3.0	N.S.[5]	N.S.	3.9	2.4
Std. Err. of Entry Mean		2.1	1.3	2.6	1.6	1.7	1.0
Maturity Group VI							
Armor	61-R14	59.4	.	**55.5**	.	57.4	.
Armor	67-R90	67.4	.	44.0	.	55.7	.
Asgrow	AG6534	61.0	58.8	44.4	**50.0**	52.7	54.4
Asgrow	AG6834	**72.3**	**68.3**	50.4	**48.3**	**61.3**	**58.3**
Croplan Genetics	R2C6764	66.7	.	45.7	.	56.2	.
Dyna-Gro	S65RY73	69.5	67.9	50.8	**51.3**	**60.1**	**59.6**
Dyna-Gro	S69RY34	63.5	60.9	44.5	44.2	54.0	52.6
Dyna-Gro	SX14867R	68.5	.	47.3	.	57.9	.
NK	S67-R6 Brand	**73.3**	**70.5**	49.3	**50.5**	**61.3**	**60.5**
Public Variety	Musen	58.7	59.0	43.6	42.0	51.2	50.5
SS	6713N R2	**70.5**	62.9	49.9	**48.7**	**60.2**	55.8
SS	SS 6810N R2	67.4	65.4	45.4	46.8	56.4	56.1
UGA	G10-3429 RR	67.8	.	49.2	.	58.5	.
Average		66.6	64.2	47.7	47.7	57.1	56.0
LSD at 10% Level		3.4	2.5	3.7	4.0	2.5	2.3
Std. Err. of Entry Mean		1.4	1.1	1.6	1.7	1.1	1.0

1. Yields calculated at 13% moisture.
2. Midville, Plains and Tifton.
3. Athens, Calhoun and Griffin.
4. All six locations.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore a LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Regional Summary of MG VII and MG VIII Soybean Variety Performance, 2014

Company or Brand Name	Variety	Yield[1] South[2] 2014	South[2] 2-Year Average	North[3] 2014	North[3] 2-Year Average	Statewide[4] 2014	Statewide[4] 2-Year Average[5]
		bu/acre					
Maturity Group VII and VIII							
AgSouth	AGS 738 RR	65.4	**67.2**	56.6	57.7	62.4	**63.7**
AgSouth	AGS 787 RR	57.8	60.5	52.2	56.4	55.9	59.0
AgSouth	AGS 828 RR	63.8	63.1	52.9	55.7	60.2	60.4
AgSouth	AGS Prichard RR	52.9	56.4	51.9	51.1	52.6	54.5
AgSouth	AGS Woodruff	57.2	62.7	**64.6**	**63.8**	59.6	**63.1**
Armor	AX4700	55.7	.	54.5	.	55.3	.
Armor	AX4750	53.6	.	54.4	.	53.9	.
Armor	AX4770	**68.6**	.	52.7	.	63.3	.
Asgrow	AG7535	**70.0**	.	**63.5**	.	**67.8**	.
Asgrow	AG7934	64.9	**66.8**	51.6	56.3	60.5	**63.0**
Bayer	HBK RY7523	57.6	58.8	55.2	58.1	56.8	58.6
Croplan Genetics	R2C7094	58.9	.	52.8	.	56.9	.
Dyna-Gro	34RY75	63.1	62.7	57.0	**63.0**	61.1	**62.8**
Dyna-Gro	S74RY15	59.4	61.3	52.9	56.8	57.2	59.6
Dyna-Gro	S77RY85	**68.4**	.	51.8	.	62.9	.
Dyna-Gro	S79RY05	58.7	.	50.3	.	55.9	.
NK	S74-M3 Brand	**67.4**	**66.8**	**59.8**	**60.2**	**64.9**	**64.4**
NK	S77-T7 Brand	62.2	63.9	51.3	55.3	58.6	60.8
Public Variety	Cook	54.1	57.3	49.6	50.7	52.6	54.9
Public Variety	Motte	59.1	60.6	45.0	49.8	54.4	56.7
Public Variety	Santee	62.0	63.8	55.9	55.9	59.9	60.9
SC	SC03-062	62.2	64.2	54.8	55.8	59.7	61.1
SC	SC04-306	62.8	63.0	57.5	56.2	61.0	60.5
SC	SC04-375	64.5	.	55.7	.	61.6	.
SC	SC04-386RR	62.9	.	50.5	.	58.7	.
SC	SC06-301RR	59.2	.	54.5	.	57.7	.
SC	SC07-108	64.4	62.5	55.4	56.7	61.4	60.4
SC	SC07-1490RR	58.8	.	51.0	.	56.2	.
SC	SC07-1518RR	58.4	.	56.0	.	57.6	.
SC	SC07-676RR	58.0	.	52.7	.	56.2	.
SC	SC07-786RR	55.7	.	52.3	.	54.6	.
SS	SS 7511N R2	62.8	64.2	57.3	56.5	61.0	61.4
Terral-REV®	73R74™	57.8	.	55.8	.	57.1	.
UGA	G08-3279RR	60.4	62.4	55.3	55.9	58.7	60.0
UGA	G08-4200RR	65.2	66.5	53.8	50.4	61.4	60.7
UGA	G10-3833 RR	60.7	.	52.4	.	57.9	.
UGA	G10-3913R2	62.1	.	53.1	.	59.1	.
UGA	G10PR-224R2	**66.8**	**67.4**	54.7	54.7	62.8	**62.8**
UGA	G10PR-3954R2	60.1	.	49.2	.	56.5	.
UGA	G10PR-56264R2	58.3	62.9	53.5	58.2	56.7	61.2

Regional Summary of MG VII and MG VIII Soybean Variety Performance, 2014 (Continued)

Company or Brand Name	Variety	Yield[1] South[2] 2014	South[2] 2-Year Average	North[3] 2014	North[3] 2-Year Average	Statewide[4] 2014	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group VII and VIII - continued							
UGA	G10PR-56444R2	**67.7**	**69.0**	53.1	56.1	62.8	**64.3**
UGA	G10PR-86R2	62.5	64.7	56.1	**58.9**	60.4	**62.6**
UGA	G11PR-209R2	**66.8**	.	54.5	.	62.7	.
UGA	G11PR-407R2	61.4	.	54.2	.	59.0	.
UGA	G11PR-418R2	61.3	.	53.8	.	58.8	.
UGA	G11PR-56151R2	62.2	.	55.9	.	60.1	.
UGA	G11PR-56158R2	58.9	.	56.4	.	58.1	.
UGA	G11PR-56238R2	65.8	.	53.9	.	61.9	.
UGA	G12PR-54R2	63.3	62.3	54.0	55.6	60.2	59.8
UGA	G12PR-63R2	65.5	65.3	**58.2**	56.8	63.1	**62.2**
UGA	G12PR-7R2	62.2	66.1	52.4	56.4	58.9	**62.5**
USG	77S13R	60.7	60.4	49.8	54.5	57.1	58.3
USG	77S40R2	66.4	65.0	**61.1**	**62.6**	**64.7**	**64.1**
USG	77S63R	58.3	60.8	56.2	**60.2**	57.6	60.5
USG	78S04R	60.0	.	49.1	.	56.4	.
Average		61.5	63.3	54.2	56.5	59.1	60.8
LSD at 10% Level		3.3	2.4	7.0	5.3	3.1	2.4
Std. Err. of Entry Mean		1.4	1.0	3.0	2.3	1.3	1.0

1. Yields calculated at 13% moisture.
2. Midville, Plains and Tifton early-planted plus Plains late-planted.
3. Athens early-planted plus Griffin late-planted.
4. All locations early- and late-planted.
5. Plains late-planted 2014 data only included.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Tifton, Georgia:
Soybean Variety Performance, 2014, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
SS	5513N R2	**72.7**	5	**80.3**	9/27	37	2.3	16.1	1.5	1.0
Terral-REV®	56R63™	**72.6**	9	**77.1**	10/1	41	2.3	16.6	1.3	1.0
NK	S52-Y2 Brand	**69.0**	12	**74.6**	9/19	39	2.0	15.1	1.7	1.0
Bayer	HBK LL4950	**69.0**	17	72.7	9/19	47	2.3	14.4	1.5	1.0
Armor	53-R16	**67.8**	6	**79.1**	9/20	35	1.7	13.9	1.5	1.0
SS	5711N R2	**67.4**	16	73.0	9/30	35	2.0	18.0	1.7	1.0
AgSouth	AGS 533 LL	**66.4**	21[T]	69.6	9/20	47	2.3	13.9	1.5	1.0
US Seeds	Halo 5:01	**65.5**	35	65.5	9/24	43	1.7	14.0	1.5	1.0
AgSouth	AGS 568RR	**63.7**	10	**76.2**	9/21	42	2.3	16.6	1.3	1.0
US Seeds	Halo 5:45	**63.1**	21[T]	69.6	10/6	33	1.0	17.0	1.5	1.0
SS	LL 595N	**62.6**	38	65.1	11/7	35	1.0	15.9	1.5	1.0
Terral-REV®	57R21™	61.9	39	64.3	9/29	45	2.7	16.1	1.7	1.0
SS	SS 5511N R2	61.0	22	68.9	10/1	36	1.0	18.1	1.5	1.0
Bayer	HBK RY5421	59.9	36[T]	65.3	9/22	34	2.0	15.2	1.3	1.0
Bayer	HBK RY5221	58.1	44	56.1	9/22	43	3.0	16.1	3.0	1.0
Pioneer	95Y70	57.9	27	67.0	9/30	43	3.3	14.9	1.3	1.0
Public Variety	Ozark	57.5	32	65.8	9/21	30	1.0	17.6	1.3	1.0
Public Variety	Osage	57.4	19	70.2	10/1	31	1.0	14.7	1.5	1.0
Armor	55-R22	56.7	46	53.9	9/29	34	1.7	17.0	1.5	1.0
AR	UA 5612	55.8	28	66.9	9/24	36	2.0	15.1	1.5	1.0
US Seeds	Halo 5:26	55.3	42	58.7	9/23	28	1.0	16.9	1.5	1.0
Pioneer	95Y71	55.2	40	63.0	9/22	36	2.0	14.7	1.5	1.0
SS	5911N R2	52.4	43	58.4	10/8	26	1.0	14.9	2.2	1.0
NK	S55-Q3 Brand	.	1	**85.7**	9/20	37	2.3	15.9	1.5	1.0
Dyna-Gro	556RY84	.	2	**83.8**	9/28	39	1.7	16.4	1.5	1.0
Armor	AX4520	.	3	**81.1**	9/23	33	1.0	18.4	1.5	1.0
Asgrow	AG5535	.	4	**80.4**	9/30	33	1.7	18.2	1.5	1.0
Pioneer	P52T86R	.	7	**78.4**	9/17	33	1.3	14.8	1.7	1.0
AR	R05-374	.	8	**77.7**	9/21	41	2.7	16.1	1.8	1.0
Armor	AX4550	.	11	**75.3**	9/23	39	1.7	16.1	1.5	1.0
US Seeds	Halo X449	.	13	**74.4**	9/17	46	3.0	15.3	1.5	1.0
Armor	AX4490	.	14	**74.0**	9/18	39	1.7	17.3	1.8	1.0
Terral-REV®	55R53™	.	15	**73.6**	11/4	31	1.7	16.5	2.0	1.0
NK	S59-V9 Brand	.	18	71.4	10/5	34	2.0	14.9	1.7	1.0
Armor	49-R56	.	20	70.0	9/23	35	2.0	17.5	1.8	1.0
US Seeds	Halo X451	.	21[T]	69.6	9/18	44	2.0	14.0	1.5	1.0
AR	UA 5213C	.	23[T]	68.8	9/19	32	1.7	13.9	1.2	1.0
Bayer	HBK LL4850	.	23[T]	68.8	9/19	36	2.0	15.1	2.2	1.0
Dyna-Gro	39RY57	.	24	68.5	10/1	36	1.7	17.2	1.7	1.0
US Seeds	Halo 4:95	.	25	67.5	9/16	37	2.0	14.6	1.5	1.0
Armor	51-R50	.	26	67.2	9/18	39	2.0	16.7	1.8	1.0
US Seeds	Halo X452	.	29	66.4	9/21	45	2.7	13.3	1.7	1.0
US Seeds	HALO 5:25	.	30	66.3	9/27	33	1.3	15.6	1.8	1.0
US Seeds	Halo 4:97	.	31	66.2	9/14	47	2.7	12.3	1.5	1.0
Pioneer	P54T94R	.	33	65.7	9/21	29	1.3	14.6	1.5	1.0

Tifton, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V - continued										
US Seeds	HALO 4:94	.	34	65.6	9/15	42	2.7	13.4	1.7	1.0
Asgrow	AG5935	.	36[T]	65.3	10/2	34	1.3	16.9	1.7	1.0
Bayer	HBK LL4953	.	37	65.2	9/20	43	2.3	13.3	1.5	1.0
Armor	50-R44	.	41	62.4	9/18	41	1.7	13.7	2.8	1.0
GoSoy	5911LL	.	45	55.6	10/2	35	1.0	15.4	1.5	1.0
Average		62.1		69.5 [5]	9/25	37	1.9	15.6	1.6	1.0
LSD at 10% Level		10.2		12.1	N.S.[6]	3	N.S.	1.4	0.4	.
Std. Err. of Entry Mean		3.1		5.1	7	1	0.3	0.6	0.2	.
Maturity Group VI										
NK	S67-R6 Brand	**74.6**	1	**85.8**	10/7	39	1.0	17.9	2.0	1.0
Dyna-Gro	S65RY73	**72.9**	4	**81.0**	10/5	31	1.3	14.6	1.7	1.0
Asgrow	AG6834	**68.9**	2	**84.7**	10/10	37	1.3	19.2	1.7	1.0
SS	SS 6810N R2	**64.6**	8	68.1	10/9	39	2.0	14.9	1.7	1.0
Dyna-Gro	S69RY34	**56.8**	10	66.2	10/10	43	1.3	15.7	1.5	1.0
Public Variety	Musen	**56.2**	12	64.7	10/9	41	2.3	13.3	1.5	1.0
SS	6713N R2	**55.3**	5	76.1	10/8	34	1.0	16.5	1.7	1.0
Asgrow	AG6534	**55.1**	11	65.5	10/5	32	1.3	14.5	1.8	1.0
UGA	G10-3429 RR	.	3	**84.0**	10/6	35	1.0	18.7	1.7	1.0
Croplan Genetics	R2C6764	.	6	74.5	10/7	35	1.0	16.0	1.7	1.0
Dyna-Gro	SX14867R	.	7	73.0	10/7	33	1.0	16.4	1.7	1.0
Armor	67-R90	.	9	66.6	10/11	39	2.3	15.0	1.7	1.0
Armor	61-R14	.	13	63.7	10/4	27	1.0	14.1	1.7	1.0
Average		63.1		73.4 [7]	10/7	36	1.4	15.9	1.7	1.0
LSD at 10% Level		N.S.		6.7	1	3	N.S.	N.S.	N.S.	.
Std. Err. of Entry Mean		2.6		2.8	1	1	0.2	0.5	0.2	.
Maturity Group VII and VIII										
UGA	G12PR-7R2	**75.5**	26	68.0	10/12	35	1.3	19.7	1.5	1.0
AgSouth	AGS 738 RR	**75.2**	8	**76.8**	10/12	33	1.0	15.9	1.5	1.0
UGA	G08-4200RR	**74.6**	16	73.3	10/12	41	2.0	12.7	1.5	1.0
UGA	G10PR-56444R2	**73.0**	12[T]	**75.0**	10/18	41	2.3	16.7	1.5	1.0
NK	S77-T7 Brand	**72.3**	1	**81.9**	10/19	41	1.7	15.4	1.5	1.0
Asgrow	AG7934	**71.8**	15	73.4	10/20	41	1.7	17.8	1.5	1.0
UGA	G10PR-224R2	**69.8**	9	**76.7**	10/11	39	1.3	16.4	1.5	1.0
AgSouth	AGS Woodruff	**69.5**	37	64.4	10/19	39	2.0	18.5	1.5	1.0
UGA	G12PR-63R2	**68.4**	4	**78.5**	10/12	43	2.3	16.0	1.5	1.0
SS	SS 7511N R2	**68.4**	13	**74.9**	10/17	34	2.0	18.5	1.5	1.0
UGA	G10PR-86R2	**68.2**	19[T]	71.7	10/14	42	2.7	17.8	1.5	1.0
UGA	G12PR-54R2	**67.9**	3	**79.3**	10/18	43	2.0	18.4	1.5	1.0
Public Variety	Santee	**67.7**	23	68.4	10/12	43	2.0	17.1	1.5	1.0
Dyna-Gro	34RY75	**67.6**	7	**77.0**	10/19	38	2.0	16.2	1.5	1.0
UGA	G10PR-56264R2	**65.6**	39	64.2	10/12	41	1.0	15.5	1.5	1.0

Tifton, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII - continued										
USG	77S40R2	**65.0**	14	74.2	10/12	35	1.0	17.9	1.5	1.0
UGA	G08-3279RR	**64.6**	34	65.0	10/20	35	1.0	18.4	1.5	1.0
NK	S74-M3 Brand	**63.7**	17[T]	73.0	10/13	36	1.3	18.6	1.5	1.0
Public Variety	Motte	**63.1**	31	65.5	10/19	43	3.3	16.8	1.5	1.0
AgSouth	AGS 828 RR	**63.0**	6	**77.7**	10/13	37	2.7	15.1	1.5	1.0
SC	SC03-062	**62.2**	50	55.9	10/20	29	1.0	17.5	1.8	1.0
AgSouth	AGS 787 RR	**62.1**	45	58.9	10/19	36	1.0	17.7	1.5	1.0
Dyna-Gro	S74RY15	**62.1**	47	58.5	10/19	29	1.0	17.8	1.8	1.0
AgSouth	AGS Prichard RR	**60.8**	36	64.5	10/21	45	2.7	14.2	1.5	1.0
USG	77S63R	**60.5**	44	59.0	10/18	31	1.0	16.6	1.8	1.0
USG	77S13R	**60.4**	40	64.1	10/18	37	1.3	17.9	1.7	1.0
SC	SC07-108	**59.3**	12[T]	**75.0**	10/19	41	2.7	15.2	1.5	1.0
SC	SC04-306	**59.2**	28	66.4	10/19	37	1.7	15.0	1.5	1.0
Bayer	HBK RY7523	**58.3**	48	57.1	10/20	29	1.0	16.9	1.7	1.0
Public Variety	Cook	**57.5**	43	60.0	10/21	43	3.0	18.0	1.5	1.0
UGA	G11PR-209R2	.	2	**80.2**	10/19	39	2.3	15.7	1.5	1.0
Armor	AX4770	.	5	**78.3**	10/19	40	1.7	16.3	1.5	1.0
UGA	G11PR-56238R2	.	10	**76.4**	10/14	42	1.7	16.6	1.5	1.0
Dyna-Gro	S77RY85	.	11	**75.6**	10/20	37	2.0	16.8	1.5	1.0
Asgrow	AG7535	.	17[T]	73.0	10/19	33	1.3	18.7	2.0	1.0
SC	SC04-375	.	18	72.8	10/15	36	1.0	18.7	1.5	1.0
SC	SC04-386RR	.	19[T]	71.7	10/20	45	1.3	15.9	1.5	1.0
SC	SC07-676RR	.	20	70.4	10/21	40	2.3	15.8	1.7	1.0
UGA	G11PR-56151R2	.	21	70.0	10/14	39	1.0	18.5	1.5	1.0
UGA	G11PR-418R2	.	22	68.9	10/11	39	1.7	17.0	1.5	1.0
UGA	G10PR-3954R2	.	24	68.3	10/14	42	1.0	16.0	1.5	1.0
SC	SC07-1490RR	.	25	68.2	10/21	45	3.0	16.1	1.5	1.0
UGA	G10-3913R2	.	27	66.9	10/12	41	1.3	19.2	1.7	1.0
SC	SC06-301RR	.	29	66.2	10/13	39	1.7	15.0	1.5	1.0
Dyna-Gro	S79RY05	.	30	65.6	10/21	46	1.7	19.0	1.7	1.0
SC	SC07-786RR	.	32	65.2	10/18	45	1.3	16.3	1.5	1.0
UGA	G10-3833 RR	.	33[T]	65.1	10/18	41	1.7	13.9	1.5	1.0
UGA	G11PR-407R2	.	33[T]	65.1	10/14	45	1.7	15.9	1.5	1.0
SC	SC07-1518RR	.	35	64.6	10/22	43	2.0	16.8	1.5	1.0
Terral-REV®	73R74™	.	38	64.3	10/13	39	2.7	17.0	1.5	1.0
UGA	G11PR-56158R2	.	41	61.6	10/15	41	2.7	19.5	1.5	1.0
Armor	AX4700	.	42	60.5	10/14	36	1.0	17.2	1.5	1.0
USG	78S04R	.	46	58.8	10/20	44	1.7	18.6	1.8	1.0
Croplan Genetics	R2C7094	.	49	57.0	10/13	37	1.7	17.6	1.5	1.0
Armor	AX4750	.	51	50.4	10/20	29	1.0	17.3	1.8	1.0
Average		65.9		68.4 [8]	10/16	39	1.7	16.9	1.6	1.0
LSD at 10% Level		N.S.		7.0	N.S.	N.S.	0.8	N.S.	N.S.	.
Std. Err. of Entry Mean		2.4		3.0	1	1	0.3	0.5	0.1	.

Tifton, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 12.8% and df for EMS = 98.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 6.6% and df for EMS = 24.
8. CV = 7.5% and df for EMS = 108.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	Maturity Group V and VI - May 23, 2014.
	Maturity Group VII and VIII - May 22, 2014.
Harvested:	Maturity Group V - October 10, 2014.
	Maturity Group VI - October 16, 2014.
	Maturity Group VII and VIII - October 27, 2014.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	Maturity Group V and VI: P = Very High, K = Medium, and pH = 6.0.
	Maturity Group VII and VIII: P = High, K = Medium, and pH = 6.1.
Fertilization:	0 lb N, 0 lb P_2O_5, and 120 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Disked, subsoiled, bedded, rototilled; Prowl (incorporated), Dual Magnum, Select, Basagran, Classic, Ultra Blazer, and Reflex used for weed control; Tracer and Bifenthrin used for insect control; Telone II used for nematode control; Domark used for fungal control; irrigated 12 inches.

Test conducted by A. Coy, B. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Soybean Variety Performance, 2014, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
SS	5711N R2	**72.8**	1	**62.7**	10/9	32	1.3	.	.	1.0
AR	UA 5612	**69.9**	6	**59.2**	10/7	37	2.7	.	.	1.0
SS	5911N R2	**69.3**	2	**60.9**	10/13	27	1.0	.	.	1.0
Pioneer	95Y70	**68.4**	8	**58.6**	10/11	40	3.7	.	.	1.0
SS	5513N R2	**68.3**	4	**59.6**	10/7	36	1.3	.	.	1.0
Bayer	HBK LL4950	**67.1**	5	**59.3**	10/8	43	2.0	.	.	1.0
AgSouth	AGS 568RR	65.9	25	52.1	10/9	29	1.0	.	.	1.0
Terral-REV®	56R63™	65.8	24[T]	52.5	10/9	38	3.7	.	.	1.0
AgSouth	AGS 533 LL	65.1	21	53.8	10/8	39	1.3	.	.	1.0
SS	SS 5511N R2	64.9	15	55.2	10/6	33	1.0	.	.	1.0
US Seeds	Halo 5:45	64.3	16	55.1	10/9	33	1.0	.	.	1.0
Armor	55-R22	64.1	14[T]	56.1	10/7	35	1.7	.	.	1.0
Armor	53-R16	64.0	13	56.5	10/6	32	1.0	.	.	1.0
US Seeds	Halo 5:01	63.9	27	51.7	10/6	40	1.7	.	.	1.0
Public Variety	Ozark	63.8	22	53.3	10/7	28	1.0	.	.	1.0
US Seeds	Halo 5:26	63.4	7[T]	**59.1**	10/5	29	1.0	.	.	1.0
Bayer	HBK RY5421	62.7	29	50.7	10/5	34	1.7	.	.	1.0
Pioneer	95Y71	62.3	34	50.0	10/8	35	2.0	.	.	1.0
Public Variety	Osage	60.8	23[T]	53.0	10/9	28	1.3	.	.	1.0
SS	LL 595N	60.0	32	50.3	10/7	32	1.3	.	.	1.0
Terral-REV®	57R21™	59.8	41	46.6	10/9	41	3.3	.	.	1.0
NK	S52-Y2 Brand	59.1	24[T]	52.5	10/3	35	1.7	.	.	1.0
Bayer	HBK RY5221	41.0	44	38.2	10/2	42	3.3	.	.	1.0
Asgrow	AG5935	.	3	**59.9**	10/13	35	1.3	.	.	1.0
Dyna-Gro	39RY57	.	7[T]	**59.1**	10/11	35	1.7	.	.	1.0
Armor	AX4520	.	9	57.8	10/5	33	1.0	.	.	1.0
Dyna-Gro	556RY84	.	10	57.7	10/8	39	1.3	.	.	1.0
NK	S59-V9 Brand	.	11	56.8	10/10	31	1.0	.	.	1.0
Asgrow	AG5535	.	12	56.7	10/5	33	1.0	.	.	1.0
Armor	AX4490	.	14[T]	56.1	10/2	35	1.7	.	.	1.0
AR	UA 5213C	.	17	55.0	9/29	31	1.0	.	.	1.0
NK	S55-Q3 Brand	.	18	54.6	10/5	38	1.3	.	.	1.0
US Seeds	Halo X452	.	19[T]	54.2	10/10	37	2.0	.	.	1.0
Bayer	HBK LL4953	.	19[T]	54.2	10/8	35	1.0	.	.	1.0
Armor	AX4550	.	20	53.9	10/7	35	1.0	.	.	1.0
US Seeds	Halo X451	.	23[T]	53.0	10/9	33	1.0	.	.	1.0
Terral-REV®	55R53™	.	26	51.8	10/10	30	1.3	.	.	1.0
Pioneer	P54T94R	.	28	51.4	10/9	29	1.0	.	.	1.0
US Seeds	HALO 4:94	.	30	50.6	10/5	35	1.0	.	.	1.0
US Seeds	HALO 5:25	.	31	50.5	10/6	26	1.0	.	.	1.0
US Seeds	Halo 4:95	.	33	50.1	9/27	35	1.0	.	.	1.0
Armor	51-R50	.	35[T]	49.5	10/1	35	1.3	.	.	1.0
Armor	49-R56	.	35[T]	49.5	9/30	32	1.0	.	.	1.0
Pioneer	P52T86R	.	36	48.3	10/4	35	1.0	.	.	1.0
US Seeds	Halo 4:97	.	37	47.9	10/3	37	1.7	.	.	1.0
GoSoy	5911LL	.	38	47.7	10/6	32	1.0	.	.	1.0

Plains, Georgia:
Soybean Variety Performance, 2014, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V - continued										
US Seeds	Halo X449	.	39	47.5	9/30	36	1.7	.	.	1.0
Bayer	HBK LL4850	.	40	47.2	10/1	33	1.0	.	.	1.0
Armor	50-R44	.	42	46.4	9/29	39	2.0	.	.	1.0
AR	R05-374	.	43	45.6	10/7	37	2.3	.	.	1.0
Average		63.8		53.2 [4]	10/6	34	1.5	.	.	1.0
LSD at 10% Level		6.7		4.6	4	3	0.6	.	.	.
Std. Err. of Entry Mean		1.5		2.0	1	1	0.2	.	.	.
Maturity Group VI										
Dyna-Gro	S65RY73	**77.4**	3	**70.4**	10/20	32	1.7	.	.	1.0
Asgrow	AG6834	**74.2**	7	67.1	10/22	38	1.0	.	.	1.0
NK	S67-R6 Brand	**74.1**	8	67.0	10/19	39	1.7	.	.	1.0
SS	SS 6810N R2	**72.8**	2	**70.7**	10/21	37	2.0	.	.	1.0
SS	6713N R2	**72.0**	4	**68.5**	10/17	33	1.3	.	.	1.0
Public Variety	Musen	**69.6**	11	62.4	10/21	37	2.3	.	.	1.0
Dyna-Gro	S69RY34	**69.5**	5	**68.3**	10/20	42	2.3	.	.	1.0
Asgrow	AG6534	**64.0**	13	56.9	10/17	30	1.0	.	.	1.0
Armor	67-R90	.	1	**74.1**	10/21	39	2.7	.	.	1.0
Croplan Genetics	R2C6764	.	6	67.8	10/18	32	1.0	.	.	1.0
Dyna-Gro	SX14867R	.	9	65.1	10/18	34	1.0	.	.	1.0
Armor	61-R14	.	10	62.5	10/16	27	1.0	.	.	1.0
UGA	G10-3429 RR	.	12	59.1	10/18	35	1.3	.	.	1.0
Average		71.7		66.1 [5]	10/21	35	1.6	.	.	1.0
LSD at 10% Level		N.S.[6]		6.2	N.S.	4	0.6	.	.	.
Std. Err. of Entry Mean		1.6		2.5	2	2	0.3	.	.	.
Maturity Group VII and VIII										
NK	S74-M3 Brand	**77.9**	2	**69.5**	10/18	34	1.0	.	.	1.0
UGA	G10PR-224R2	**75.1**	5	67.1	10/16	41	2.0	.	.	1.0
NK	S77-T7 Brand	**74.3**	14	63.2	10/19	38	2.0	.	.	1.0
Dyna-Gro	34RY75	**74.2**	4	67.3	10/19	39	2.0	.	.	1.0
Asgrow	AG7934	**74.1**	8	66.3	10/21	38	2.3	.	.	1.0
UGA	G10PR-56444R2	**73.6**	13[T]	64.8	10/18	41	2.3	.	.	1.0
SC	SC04-306	**73.2**	9	66.0	10/21	39	2.0	.	.	1.0
USG	77S40R2	**72.3**	10	65.2	10/17	35	1.0	.	.	1.0
AgSouth	AGS 738 RR	71.7	17	62.8	10/17	33	2.3	.	.	1.0
AgSouth	AGS 828 RR	71.5	28[T]	59.8	10/16	41	2.7	.	.	1.0
SC	SC03-062	70.8	7	66.7	10/26	40	3.0	.	.	1.0
UGA	G12PR-54R2	70.6	15[T]	63.1	10/19	41	2.0	.	.	1.0
UGA	G10PR-86R2	70.5	36	57.6	10/17	45	3.0	.	.	1.0
SS	SS 7511N R2	70.4	31	59.2	10/19	38	1.7	.	.	1.0
UGA	G08-4200RR	70.3	11	65.1	10/20	39	3.3	.	.	1.0

Plains, Georgia:
Soybean Variety Performance, 2014, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII - continued										
UGA	G12PR-63R2	70.2	20	62.1	10/17	41	1.3	.	.	1.0
USG	77S63R	69.5	19	62.2	10/19	31	1.0	.	.	1.0
Public Variety	Santee	69.3	29	59.7	10/17	43	2.7	.	.	1.0
SC	SC07-108	69.3	34	58.3	10/25	39	2.0	.	.	1.0
UGA	G12PR-7R2	69.2	23	61.1	10/18	38	2.3	.	.	1.0
UGA	G10PR-56264R2	67.9	43[T]	54.4	10/19	40	1.3	.	.	1.0
UGA	G08-3279RR	67.8	27	60.1	10/25	45	2.7	.	.	1.0
Dyna-Gro	S74RY15	67.3	22	61.3	10/20	31	1.0	.	.	1.0
AgSouth	AGS Woodruff	67.3	44[T]	54.2	10/25	36	2.0	.	.	1.0
AgSouth	AGS 787 RR	67.2	35	58.1	10/25	35	1.7	.	.	1.0
Public Variety	Motte	66.8	32	58.5	10/17	43	3.3	.	.	1.0
USG	77S13R	64.1	38	57.2	10/17	42	1.7	.	.	1.0
Public Variety	Cook	64.0	45	53.5	10/19	43	2.7	.	.	1.0
AgSouth	AGS Prichard RR	62.7	44[T]	54.2	10/26	41	3.3	.	.	1.0
Bayer	HBK RY7523	61.4	39[T]	56.5	10/21	31	1.0	.	.	1.0
Armor	AX4770	.	1	**74.3**	10/25	34	2.3	.	.	1.0
Dyna-Gro	S77RY85	.	3	68.0	10/18	34	2.0	.	.	1.0
SC	SC04-375	.	6	67.0	10/19	40	1.7	.	.	1.0
Asgrow	AG7535	.	12	64.9	10/16	36	1.3	.	.	1.0
UGA	G11PR-209R2	.	13[T]	64.8	10/16	37	3.0	.	.	1.0
SC	SC06-301RR	.	15[T]	63.1	10/25	38	2.7	.	.	1.0
UGA	G11PR-407R2	.	16	63.0	10/22	41	3.3	.	.	1.0
UGA	G10-3833 RR	.	18	62.6	10/18	41	2.0	.	.	1.0
UGA	G10-3913R2	.	21	61.6	10/19	40	2.0	.	.	1.0
Armor	AX4750	.	24	61.0	10/19	31	1.0	.	.	1.0
UGA	G11PR-418R2	.	25	60.7	10/18	40	1.3	.	.	1.0
UGA	G11PR-56238R2	.	26	60.4	10/18	40	2.3	.	.	1.0
Croplan Genetics	R2C7094	.	28[T]	59.8	10/17	41	2.0	.	.	1.0
UGA	G11PR-56151R2	.	30[T]	59.3	10/17	41	1.3	.	.	1.0
USG	78S04R	.	30[T]	59.3	10/25	41	2.7	.	.	1.0
SC	SC04-386RR	.	33	58.4	10/25	37	1.3	.	.	1.0
UGA	G11PR-56158R2	.	37	57.3	10/15	44	2.0	.	.	1.0
UGA	G10PR-3954R2	.	39[T]	56.5	10/17	37	1.3	.	.	1.0
Terral-REV	73R74	.	40	56.4	10/19	37	3.0	.	.	1.0
SC	SC07-786RR	.	41	55.9	10/25	44	2.7	.	.	1.0
Dyna-Gro	S79RY05	.	42[T]	55.4	10/19	43	2.3	.	.	1.0
SC	SC07-676RR	.	42[T]	55.4	10/24	37	1.3	.	.	1.0
Armor	AX4700	.	43[T]	54.4	10/16	40	1.7	.	.	1.0
SC	SC07-1518RR	.	46	51.6	10/27	39	1.7	.	.	1.0
SC	SC07-1490RR	.	47	51.2	10/20	45	2.7	.	.	1.0
Average		69.8		60.7 [7]	10/19	39	2.1	.	.	1.0
LSD at 10% Level		5.7		5.8	1	7	0.7	.	.	.
Std. Err. of Entry Mean		1.7		2.5	1	2	0.3	.	.	.

Plains, Georgia:
Soybean Variety Performance, 2014, Irrigated
(Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
4. CV = 6.4% and df for EMS = 98.
5. CV = 6.7% and df for EMS = 24.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 7.1% and df for EMS = 108.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	June 5, 2014.
Harvested:	Maturity Group V and VI - October 23, 2014 Maturity Groups VII & VIII - November 3, 2014.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Low, K = Medium, and pH = 6.7.
Fertilization:	23 lb N, 60 lb P_2O_5, and 57 lb K_2O/acre.
Previous Crop:	Wheat.
Management:	Disked, chisel plowed, and bedded; Acumen, Valor, and Blazer used for weed control; irrigated 5.5 inches.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Late-Planted Soybean Variety Performance, 2014, Irrigated

Company or Brand Name	Variety	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
			bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII									
Dyna-Gro	S77RY85	1	**70.3**	10/26	29	2.3	.	.	1.0
UGA	G10PR-56444R2	2	**68.6**	10/25	38	2.7	.	.	1.0
Public Variety	Motte	3	**66.7**	10/24	37	3.0	.	.	1.0
UGA	G11PR-209R2	4	**66.3**	10/16	37	2.0	.	.	1.0
Asgrow	AG7535	5	**65.9**	10/25	31	1.7	.	.	1.0
Armor	AX4770	6	**65.5**	10/24	30	1.7	.	.	1.0
USG	78S04R	7	**65.2**	10/27	36	2.7	.	.	1.0
SC	SC03-062	8	**65.0**	10/27	34	2.3	.	.	1.0
SC	SC07-108	9	**64.2**	10/29	35	2.3	.	.	1.0
UGA	G11PR-56238R2	10[T]	63.5	10/17	35	1.7	.	.	1.0
UGA	G10PR-224R2	10[T]	63.5	10/17	34	2.0	.	.	1.0
UGA	G10-3913R2	11	63.2	10/21	35	1.3	.	.	1.0
Public Variety	Santee	12	62.3	10/21	35	1.7	.	.	1.0
UGA	G08-4200RR	13	62.2	10/25	37	2.7	.	.	1.0
UGA	G11PR-407R2	14	62.1	10/25	36	2.3	.	.	1.0
UGA	G10-3833 RR	15	62.0	10/23	34	1.0	.	.	1.0
Asgrow	AG7934	16	61.5	10/27	32	2.0	.	.	1.0
USG	77S13R	17	61.2	10/17	36	1.7	.	.	1.0
UGA	G10PR-86R2	18	60.8	10/22	36	2.0	.	.	1.0
USG	77S40R2	19[T]	60.5	10/16	29	1.0	.	.	1.0
Dyna-Gro	S74RY15	19[T]	60.5	10/19	27	1.3	.	.	1.0
NK	S74-M3 Brand	20	60.4	10/16	29	1.0	.	.	1.0
SC	SC04-306	21	60.3	10/26	32	1.3	.	.	1.0
AgSouth	AGS 738 RR	20[T]	60.1	10/15	32	1.7	.	.	1.0
NK	S77-T7 Brand	20[T]	60.1	10/23	34	2.3	.	.	1.0
UGA	G08-3279RR	20[T]	60.1	10/28	38	2.7	.	.	1.0
UGA	G12PR-63R2	20[T]	60.1	10/17	37	1.7	.	.	1.0
UGA	G12PR-7R2	21	60.0	10/17	37	2.3	.	.	1.0
AgSouth	AGS 828 RR	22[T]	58.9	10/25	35	2.0	.	.	1.0
UGA	G12PR-54R2	22[T]	58.9	10/23	36	2.0	.	.	1.0
Dyna-Gro	34RY75	23	58.8	10/25	34	2.0	.	.	1.0
SC	SC04-375	24	58.6	10/17	31	1.0	.	.	1.0
Croplan Genetics	R2C7094	25	58.5	10/16	36	1.0	.	.	1.0
SC	SC04-386RR	26	57.8	10/29	31	1.7	.	.	1.0
UGA	G11PR-56151R2	27	57.3	10/17	37	1.3	.	.	1.0
AgSouth	AGS 787 RR	28[T]	57.2	10/16	33	1.0	.	.	1.0
SC	SC06-301RR	28[T]	57.2	10/28	29	1.7	.	.	1.0
SS	SS 7511N R2	29[T]	56.7	10/24	32	1.7	.	.	1.0
UGA	G10PR-3954R2	29[T]	56.7	10/24	32	1.0	.	.	1.0
UGA	G11PR-56158R2	30	56.3	10/21	37	2.7	.	.	1.0
Dyna-Gro	S79RY05	31[T]	56.2	10/26	35	2.0	.	.	1.0
SC	SC07-1490RR	31[T]	56.2	10/25	40	2.3	.	.	1.0
SC	SC07-786RR	32	56.0	10/28	37	2.3	.	.	1.0
Bayer	HBK RY7523	33	55.8	10/24	26	1.0	.	.	1.0
UGA	G11PR-418R2	34	55.0	10/17	35	1.7	.	.	1.0

Plains, Georgia:
Late-Planted Soybean Variety Performance, 2014, Irrigated
(Continued)

Company or Brand Name	Variety	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
			bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII - continued									
Terral-REV®	73R74™	35	54.7	10/16	37	2.0	.	.	1.0
SC	SC07-1518RR	36	54.3	10/31	38	2.0	.	.	1.0
UGA	G10PR-56264R2	37	52.7	10/16	32	1.3	.	.	1.0
AgSouth	AGS Woodruff	38[T]	52.5	10/27	31	2.0	.	.	1.0
USG	77S63R	38[T]	52.5	10/23	28	1.3	.	.	1.0
Armor	AX4700	39	51.2	10/16	33	1.3	.	.	1.0
AgSouth	AGS Prichard RR	40	48.6	10/28	35	2.3	.	.	1.0
SC	SC07-676RR	41	45.3	10/27	30	1.0	.	.	1.0
Armor	AX4750	42	45.2	10/16	24	1.3	.	.	1.0
Public Variety	Cook	43	44.8	10/25	35	1.7	.	.	1.0
Average			58.8 [4]	10/20	34	1.8	.	.	1.0
LSD at 10% Level			6.4	2	3	0.8	.	.	.
Std. Err. of Entry Mean			2.7	1	1	0.3	.	.	.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
4. CV = 8.1% and df for EMS = 108.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: June 23, 2014.
Harvested: November 2, 2014.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Low, K = Medium, and pH = 6.7.
Fertilization: 23 lb N, 60 lb P_2O_5, and 57 lb K_2O/acre.
Previous Crop: Wheat.
Management: Disked, chisel plowed and bedded; Acumen, Valor, Prowl, and Reflex used for weed control; irrigated 2.8 inches.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie

Midville, Georgia:
Soybean Variety Performance, 2014, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2014 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
Pioneer	95Y71	**64.9**	1	**73.8**	10/6	38	1.7	.	.	1.0
NK	S52-Y2 Brand	**63.7**	3	**69.9**	10/3	40	1.0	.	.	1.0
SS	LL 595N	**59.7**	8	**67.6**	10/4	39	1.3	.	.	1.0
Bayer	HBK LL4950	**59.6**	16[T]	65.1	10/2	48	1.7	.	.	1.0
US Seeds	Halo 5:45	**59.5**	23[T]	62.1	10/6	39	1.7	.	.	1.0
US Seeds	Halo 5:01	58.8	20[T]	63.6	10/2	47	2.3	.	.	1.0
SS	5513N R2	58.7	15	65.2	10/3	43	2.3	.	.	1.0
AgSouth	AGS 533 LL	58.6	10[T]	66.9	10/2	45	2.0	.	.	1.0
SS	SS 5511N R2	58.5	19[T]	63.7	10/2	41	1.3	.	.	1.0
Pioneer	95Y70	58.4	18	64.3	10/6	49	3.3	.	.	1.0
Public Variety	Osage	57.3	13[T]	66.0	10/5	32	1.0	.	.	1.0
SS	5711N R2	56.7	7	**67.9**	10/4	41	2.3	.	.	1.0
AgSouth	AGS 568RR	55.7	24	61.4	10/4	39	1.0	.	.	1.0
Armor	55-R22	55.6	12	66.3	10/2	43	2.3	.	.	1.0
Terral-REV®	57R21™	55.6	29	59.3	10/4	47	2.7	.	.	1.0
Bayer	HBK RY5421	54.0	36	55.9	10/2	34	2.0	.	.	1.0
Public Variety	Ozark	53.8	33	58.6	10/3	37	2.3	.	.	1.0
Terral-REV®	56R63™	53.7	37	55.7	10/5	44	3.2	.	.	1.0
Armor	53-R16	53.3	27[T]	60.7	10/3	38	1.3	.	.	1.0
AR	UA 5612	53.2	31	58.9	10/4	41	3.0	.	.	1.0
US Seeds	Halo 5:26	52.3	34	57.5	10/1	38	1.7	.	.	1.0
Bayer	HBK RY5221	50.7	38	55.6	9/30	48	2.0	.	.	1.0
SS	5911N R2	48.1	40	54.0	10/9	36	2.3	.	.	1.0
Asgrow	AG5935	.	2	**73.5**	10/12	38	2.0	.	.	1.0
Pioneer	P54T94R	.	4	**69.1**	10/5	35	1.7	.	.	1.0
Dyna-Gro	39RY57	.	5	**68.6**	10/5	43	3.3	.	.	1.0
US Seeds	HALO 5:25	.	6[T]	**68.1**	10/5	35	1.3	.	.	1.0
Armor	49-R56	.	6[T]	**68.1**	10/5	37	1.0	.	.	1.0
US Seeds	Halo X451	.	9	**67.1**	10/2	39	1.0	.	.	1.0
Armor	AX4520	.	10[T]	66.9	10/2	39	2.0	.	.	1.0
GoSoy	5911LL	.	11	66.7	10/6	40	1.0	.	.	1.0
Bayer	HBK LL4953	.	13[T]	66.0	9/30	41	2.3	.	.	1.0
Pioneer	P52T86R	.	14	65.4	10/2	41	1.7	.	.	1.0
Bayer	HBK LL4850	.	16[T]	65.1	9/29	39	1.0	.	.	1.0
Dyna-Gro	556RY84	.	17	64.8	10/3	44	2.3	.	.	1.0
Armor	AX4550	.	19[T]	63.7	10/4	43	2.3	.	.	1.0
NK	S59-V9 Brand	.	20[T]	63.6	10/6	39	2.0	.	.	1.0
US Seeds	Halo 4:95	.	21	63.5	9/28	36	1.0	.	.	1.0
Asgrow	AG5535	.	22	62.7	10/4	35	1.7	.	.	1.0
Terral-REV®	55R53™	.	23[T]	62.1	10/5	33	1.0	.	.	1.0

Midville, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V - continued										
AR	R05-374	.	25	61.2	10/2	40	3.3	.	.	1.0
NK	S55-Q3 Brand	.	26	61.1	10/2	41	3.7	.	.	1.0
US Seeds	Halo X452	.	27[T]	60.7	10/2	42	2.3	.	.	1.0
Armor	51-R50	.	28	60.2	10/3	36	2.0	.	.	1.0
US Seeds	HALO 4:94	.	30	59.0	10/1	41	1.7	.	.	1.0
US Seeds	Halo X449	.	32[T]	58.7	9/29	46	2.0	.	.	1.0
US Seeds	Halo 4:97	.	32[T]	58.7	10/2	45	2.3	.	.	1.0
Armor	AX4490	.	32[T]	58.7	9/30	40	1.3	.	.	1.0
Armor	50-R44	.	35	56.3	9/28	44	1.3	.	.	1.0
AR	UA 5213C	.	39	54.4	10/1	34	3.0	.	.	1.0
Average		56.5		63.1 [4]	10/3	40	2.0	.	.	1.0
LSD at 10% Level		6.0		6.7	2	4	0.9	.	.	.
Std. Err. of Entry Mean		1.6		2.8	1	2	0.4	.	.	.
Maturity Group VI										
NK	S67-R6 Brand	**62.9**	2	**67.2**	10/15	43	2.3	.	.	1.0
Asgrow	AG6834	**62.0**	4	**65.1**	10/16	41	1.7	.	.	1.0
SS	6713N R2	**61.3**	3	**66.8**	10/16	38	1.7	.	.	1.0
SS	SS 6810N R2	**58.8**	5	**63.5**	10/16	42	1.7	.	.	1.0
Asgrow	AG6534	**57.2**	7	60.5	10/17	37	1.3	.	.	1.0
Dyna-Gro	S69RY34	**56.5**	11	55.8	10/15	48	2.3	.	.	1.0
Dyna-Gro	S65RY73	**53.3**	10	57.2	10/14	37	2.3	.	.	1.0
Public Variety	Musen	**51.1**	13	49.2	10/17	44	3.3	.	.	1.0
Dyna-Gro	SX14867R	.	1	**67.4**	10/15	37	1.7	.	.	1.0
Armor	67-R90	.	6	61.6	10/17	41	2.3	.	.	1.0
UGA	G10-3429 RR	.	8	60.1	10/12	39	1.7	.	.	1.0
Croplan Genetics	R2C6764	.	9	57.9	10/16	37	1.3	.	.	1.0
Armor	61-R14	.	12	52.1	10/13	37	1.7	.	.	1.0
Average		57.9		60.3 [5]	10/15	40	1.9	.	.	1.0
LSD at 10% Level		N.S.[6]		5.3	2	5	0.9	.	.	.
Std. Err. of Entry Mean		1.2		2.2	1	2	0.4	.	.	.
Maturity Group VII and VIII										
NK	S74-M3 Brand	**62.1**	2	66.8	10/17	38	2.0	.	.	1.0
UGA	G10PR-56444R2	**60.7**	7[T]	62.3	10/17	43	3.7	.	.	1.0
UGA	G10PR-56264R2	**60.2**	8	61.9	10/17	43	2.3	.	.	1.0
USG	77S40R2	**60.0**	3	65.8	10/17	40	2.3	.	.	1.0
UGA	G12PR-63R2	**60.0**	10	61.3	10/16	44	3.0	.	.	1.0
UGA	G10PR-224R2	**59.2**	18[T]	60.0	10/14	44	2.7	.	.	1.0
SC	SC03-062	**59.1**	11	61.2	10/22	47	4.2	.	.	1.0
Bayer	HBK RY7523	**58.2**	12	61.0	10/14	40	1.7	.	.	1.0
AgSouth	AGS 738 RR	**58.1**	9	61.7	10/15	39	3.0	.	.	1.0
SC	SC04-306	**58.0**	25[T]	58.5	10/19	47	3.3	.	.	1.0

Midville, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII - continued										
SC	SC07-108	**57.9**	18[T]	60.0	10/20	47	2.7	.	.	1.0
SS	SS 7511N R2	**57.6**	15	60.5	10/19	45	2.7	.	.	1.0
UGA	G10PR-86R2	**57.3**	19	59.9	10/18	45	3.7	.	.	1.0
Asgrow	AG7934	**57.2**	25[T]	58.5	10/21	45	2.7	.	.	1.0
UGA	G08-4200RR	**56.9**	16[T]	60.4	10/14	45	3.3	.	.	1.0
AgSouth	AGS 828 RR	**56.9**	24[T]	59.0	10/17	47	4.0	.	.	1.0
Public Variety	Cook	**56.6**	26	58.2	10/15	47	3.3	.	.	1.0
USG	77S13R	**56.5**	17	60.2	10/15	50	2.7	.	.	1.0
AgSouth	AGS Woodruff	**56.5**	29	57.5	10/15	44	2.7	.	.	1.0
UGA	G12PR-7R2	56.4	22[T]	59.6	10/15	44	3.0	.	.	1.0
USG	77S63R	56.4	23	59.5	10/15	41	2.0	.	.	1.0
UGA	G08-3279RR	55.8	35	56.3	10/16	48	3.3	.	.	1.0
Public Variety	Santee	55.2	30	57.4	10/15	50	3.0	.	.	1.0
Dyna-Gro	S74RY15	54.7	31	57.3	10/15	39	2.0	.	.	1.0
AgSouth	AGS 787 RR	53.7	32	57.0	10/14	45	2.3	.	.	1.0
UGA	G12PR-54R2	50.1	40	51.8	10/15	45	2.7	.	.	1.0
AgSouth	AGS Prichard RR	49.7	45	44.1	10/24	49	3.3	.	.	1.0
Public Variety	Motte	49.0	43	45.8	10/18	47	3.7	.	.	1.0
Dyna-Gro	34RY75	48.3	42	49.2	10/17	45	3.0	.	.	1.0
NK	S77-T7 Brand	46.9	46	43.5	10/17	46	4.0	.	.	1.0
Asgrow	AG7535	.	1	**76.2**	10/16	43	2.3	.	.	1.0
SC	SC04-386RR	.	4	63.6	10/21	49	2.0	.	.	1.0
SC	SC07-1518RR	.	5	63.2	10/23	49	2.7	.	.	1.0
UGA	G11PR-56238R2	.	6	63.0	10/15	44	3.7	.	.	1.0
UGA	G11PR-56151R2	.	7[T]	62.3	10/17	45	2.3	.	.	1.0
SC	SC07-676RR	.	13	60.9	10/20	47	1.7	.	.	1.0
UGA	G11PR-418R2	.	14	60.6	10/15	45	2.3	.	.	1.0
UGA	G11PR-56158R2	.	16[T]	60.4	10/16	49	3.0	.	.	1.0
Croplan Genetics	R2C7094	.	16[T]	60.4	10/15	51	2.3	.	.	1.0
Dyna-Gro	S77RY85	.	20	59.8	10/18	44	3.3	.	.	1.0
SC	SC04-375	.	21	59.7	10/15	44	3.0	.	.	1.0
SC	SC07-1490RR	.	22[T]	59.6	10/22	52	2.7	.	.	1.0
UGA	G10PR-3954R2	.	24[T]	59.0	10/16	43	2.0	.	.	1.0
Armor	AX4750	.	27	57.9	10/15	42	2.3	.	.	1.0
Dyna-Gro	S79RY05	.	28	57.7	10/20	47	3.0	.	.	1.0
Armor	AX4700	.	33	56.9	10/15	48	2.3	.	.	1.0
USG	78S04R	.	34[T]	56.8	10/19	48	2.7	.	.	1.0
UGA	G10-3913R2	.	34[T]	56.8	10/18	49	2.3	.	.	1.0
Armor	AX4770	.	36	56.1	10/21	43	2.7	.	.	1.0
Terral-REV®	73R74™	.	37[T]	55.8	10/14	47	4.0	.	.	1.0

Midville, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII - continued										
UGA	G11PR-209R2	.	37[T]	55.8	10/14	41	2.7	.	.	1.0
UGA	G11PR-407R2	.	38	55.6	10/15	44	2.7	.	.	1.0
UGA	G10-3833 RR	.	39	53.1	10/17	47	2.0	.	.	1.0
SC	SC06-301RR	.	41	50.4	10/17	44	2.7	.	.	1.0
SC	SC07-786RR	.	44	45.6	10/21	47	2.0	.	.	1.0
Average		56.2		58.2 [7]	10/17	45	2.8	.	.	1.0
LSD at 10% Level		5.6		5.0	2	3	0.9	.	.	.
Std. Err. of Entry Mean		1.3		2.1	1	1	0.4	.	.	.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
4. CV = 7.8% and df for EMS = 98.
5. CV = 6.2% and df for EMS = 24.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 6.4% and df for EMS = 108.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: June 5, 2014.
Harvested: October 28, 2014.
Seeding Rate: Nine seeds per foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = High, K = Medium, and pH = 6.1.
Fertilization: 30 lb N, 0 lb P_2O_5, and 110 lb K_2O/acre.
Previous Crop: Corn.
Management: Harrowed, field conditioned, subsoiled, and bedded; Valor, Roundup, Prowl, and Reflex used for weed control; Dimilin, Belt, Radiant, and Mustang Max used for insect control; Telone II used for nematode control; irrigated 11 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Griffin, Georgia:
Soybean Variety Performance, 2014, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
US Seeds	Halo 5:26	**67.9**	13	**62.7**	10/2	35	1.0	17.9	2.0	1.0
SS	5711N R2	**65.4**	3[T]	**65.5**	10/7	37	1.5	19.2	2.3	1.0
Public Variety	Ozark	**64.5**	5	**65.3**	9/28	34	1.5	18.8	2.2	1.0
Public Variety	Osage	**64.4**	12[T]	**62.8**	10/2	31	1.0	16.2	2.2	1.0
Terral-REV®	57R21™	**64.2**	1	**67.8**	10/7	48	2.3	17.0	2.0	1.0
SS	LL 595N	**62.5**	24[T]	**58.8**	9/29	36	1.2	15.2	2.0	1.0
NK	S52-Y2 Brand	**62.4**	16	**60.2**	9/19	35	1.3	15.8	2.2	1.0
Armor	55-R22	**62.1**	8	**64.3**	10/7	39	1.2	20.9	1.8	1.0
SS	SS 5511N R2	**61.9**	11[T]	**63.0**	9/29	38	1.2	20.3	1.7	1.0
AgSouth	AGS 533 LL	**61.5**	15[T]	**61.1**	10/4	38	1.2	16.6	1.7	1.0
Pioneer	95Y71	**60.9**	10	**63.1**	9/30	41	1.3	16.6	2.0	1.0
SS	5911N R2	**60.7**	6	**64.7**	10/11	36	1.0	15.3	1.7	1.0
AR	UA 5612	**60.7**	25	58.7	10/1	38	2.7	15.7	2.5	1.0
US Seeds	Halo 5:45	**60.1**	31	57.1	10/9	36	1.0	16.2	2.2	1.0
Bayer	HBK RY5221	**59.5**	18	**59.8**	9/21	43	2.7	18.3	3.2	1.0
Pioneer	95Y70	**59.1**	4	**65.4**	10/11	48	2.2	16.5	1.5	1.0
SS	5513N R2	**58.6**	19	**59.7**	10/7	44	1.5	17.7	2.3	1.0
US Seeds	Halo 5:01	**58.6**	38	53.3	10/4	43	1.5	15.7	2.0	1.0
Bayer	HBK LL4950	**58.4**	9	**63.2**	9/28	41	1.7	15.0	1.8	1.0
AgSouth	AGS 568RR	**57.9**	27	57.7	10/7	38	1.3	18.5	2.0	1.0
Armor	53-R16	**57.7**	29	57.5	9/29	38	1.3	14.8	2.5	1.0
Bayer	HBK RY5421	**57.0**	21	**59.2**	9/28	36	1.5	16.7	1.5	1.0
Terral-REV®	56R63™	**54.7**	39	53.1	10/7	43	2.2	18.0	3.2	1.0
Pioneer	P52T86R	.	2	**67.3**	9/22	39	1.3	16.0	1.7	1.0
AR	UA 5213C	.	3[T]	**65.5**	10/2	33	2.3	15.3	2.3	1.0
US Seeds	Halo X451	.	7	**64.5**	9/30	35	1.0	15.7	2.7	1.0
Armor	AX4550	.	11[T]	**63.0**	10/2	43	1.8	17.8	2.0	1.0
US Seeds	HALO 5:25	.	12[T]	**62.8**	10/1	30	1.0	15.8	2.0	1.0
US Seeds	Halo X452	.	14	**62.6**	10/7	38	1.8	14.7	1.7	1.0
Asgrow	AG5935	.	15[T]	**61.1**	10/11	36	1.0	19.6	1.7	1.0
NK	S55-Q3 Brand	.	17	**60.0**	9/28	39	3.0	18.8	2.0	1.0
Dyna-Gro	556RY84	.	20	**59.5**	10/6	45	2.3	17.8	2.2	1.0
Armor	AX4520	.	22	**59.1**	9/24	37	2.2	17.2	2.0	1.0
Armor	49-R56	.	23	**58.9**	9/15	33	1.2	17.9	2.5	1.0
Dyna-Gro	39RY57	.	24[T]	**58.8**	10/5	37	1.7	20.6	2.3	1.0
Armor	51-R50	.	26	57.8	9/22	31	1.0	17.0	2.3	1.0
Terral-REV®	55R53™	.	28	57.6	10/5	34	1.3	16.2	2.8	1.0
GoSoy	5911LL	.	30	57.3	10/8	38	1.0	15.7	2.8	1.0
NK	S59-V9 Brand	.	32	57.0	10/11	35	2.3	17.6	2.3	1.0
Bayer	HBK LL4953	.	33	55.9	10/6	34	1.2	15.3	2.0	1.0
AR	R05-374	.	34	55.7	9/22	39	1.7	15.4	3.2	1.0
US Seeds	Halo 4:97	.	35	55.3	9/22	41	1.8	13.2	1.8	1.0
Pioneer	P54T94R	.	36	55.2	10/2	36	1.0	17.4	2.8	1.0
Asgrow	AG5535	.	37	54.6	10/1	34	1.0	19.1	2.3	1.0
US Seeds	Halo X449	.	40	52.9	9/20	39	1.3	16.0	1.8	1.0

Griffin, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
				bu/acre	date	in	rating	gm	rating	rating
Maturity Group V - continued										
US Seeds	HALO 4:94	.	41	52.7	9/22	36	1.0	14.3	2.0	1.0
US Seeds	Halo 4:95	.	42	50.9	9/17	35	1.3	14.7	2.7	1.0
Armor	50-R44	.	43	50.0	9/20	40	1.0	15.0	3.3	1.0
Bayer	HBK LL4850	.	44	49.6	9/19	31	1.0	15.0	2.3	1.0
Armor	AX4490	.	45	49.4	9/21	32	1.0	17.4	2.5	1.0
Average		60.9		59.2 [5]	9/30	38	1.5	16.8	2.2	1.0
LSD at 10% Level		N.S.[6]		9.0	N.S.	4	0.6	1.2	0.6	.
Std. Err. of Entry Mean		2.7		3.8	3	2	0.3	0.5	0.3	.
Maturity Group VI										
Asgrow	AG6534	**60.8**	11	53.9	10/18	32	1.0	15.5	2.0	1.0
SS	6713N R2	**59.1**	2	62.5	10/15	35	1.2	17.2	2.0	1.0
Dyna-Gro	S65RY73	**58.3**	5	59.3	10/12	37	1.3	15.0	1.5	1.0
SS	SS 6810N R2	**57.4**	6	58.2	10/19	38	1.5	15.4	2.0	1.0
NK	S67-R6 Brand	**56.0**	9	54.8	10/16	40	1.0	18.6	2.2	1.0
Asgrow	AG6834	**54.7**	7	57.1	10/17	40	1.2	19.0	1.7	1.0
Dyna-Gro	S69RY34	**52.1**	13	51.2	10/19	47	1.7	16.4	2.0	1.0
Public Variety	Musen	**48.7**	12	52.2	10/18	39	1.8	14.7	1.8	1.0
Armor	61-R14	.	1	**68.6**	10/11	37	1.0	14.5	1.8	1.0
Croplan Genetics	R2C6764	.	3	62.3	10/15	33	1.0	17.0	1.2	1.0
Dyna-Gro	SX14867R	.	4	61.9	10/16	36	1.2	16.4	1.7	1.0
UGA	G10-3429 RR	.	8	56.6	10/15	35	1.2	19.6	1.7	1.0
Armor	67-R90	.	10	54.5	10/19	43	1.3	15.9	2.3	1.0
Average		55.9		57.9 [7]	10/16	38	1.3	16.6	1.8	1.0
LSD at 10% Level		N.S.		5.5	3	3	0.5	1.0	N.S.	.
Std. Err. of Entry Mean		2.5		2.3	1	1	0.2	0.4	0.2	.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 11.2% and df for EMS = 98.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 6.8% and df for EMS = 24.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: May 20, 2014.
Harvested: October 24, 2014.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Pacolet coarse sandy loam
Soil Test: P = High, K = High, and pH = 6.2.
Fertilization: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop: Fallow.
Management: Chisel plowed, disked, and rototilled; Lasso, Classic, and one cultivation used for weed control; Karate used for insect control; Domark used for fungal control; irrigated 11.5 inches.

Test conducted by H. Jordan and G. Ware.

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2014, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII										
USG	77S40R2	**63.2**	2	**72.3**	10/30	35	1.5	19.5	1.5	1.0
USG	77S63R	**60.9**	8	62.6	10/29	29	1.3	15.8	2.3	1.7
Dyna-Gro	34RY75	**57.5**	18[T]	60.4	11/1	40	2.3	15.0	1.8	1.0
AgSouth	AGS Woodruff	**57.3**	3	**67.9**	11/2	39	2.7	20.1	1.7	1.0
Dyna-Gro	S74RY15	**56.3**	21	59.5	10/29	33	1.0	15.3	2.3	1.0
UGA	G10PR-56264R2	**55.4**	35[T]	57.1	10/29	36	1.5	16.8	1.5	1.0
Bayer	HBK RY7523	**55.2**	13	61.5	10/27	32	1.7	15.8	2.3	1.0
SC	SC03-062	**55.1**	4	64.7	11/7	38	2.5	16.9	1.7	1.0
UGA	G08-3279RR	**54.5**	12	61.6	11/3	44	2.3	18.7	1.3	1.3
AgSouth	AGS 738 RR	**54.0**	23	59.3	10/25	34	1.8	14.7	1.3	1.3
UGA	G12PR-63R2	**53.7**	6	63.9	10/26	37	1.5	14.9	1.7	1.0
AgSouth	AGS 828 RR	**53.1**	32	57.6	10/31	34	2.0	15.2	1.5	1.0
AgSouth	AGS 787 RR	**53.1**	44	53.9	10/29	34	1.5	16.5	2.0	1.3
UGA	G10PR-86R2	**53.0**	16[T]	60.9	10/29	43	2.3	17.7	1.8	1.0
Asgrow	AG7934	**53.0**	28	58.5	11/2	33	1.5	17.4	2.3	1.0
USG	77S13R	**52.8**	33	57.4	10/24	39	1.5	17.8	1.5	1.3
Public Variety	Santee	**52.0**	27	58.6	10/27	40	1.7	17.3	1.2	1.0
UGA	G10PR-56444R2	**51.9**	25	59.1	11/5	34	1.5	15.0	1.8	1.0
NK	S74-M3 Brand	**51.7**	10[T]	62.0	11/1	32	1.0	18.4	1.7	1.0
Public Variety	Cook	**51.7**	39	56.1	10/29	38	2.3	19.1	1.8	1.0
NK	S77-T7 Brand	**51.6**	45	52.8	11/3	35	2.2	14.5	1.7	1.0
UGA	G10PR-224R2	**51.4**	5	64.2	10/26	39	1.8	16.3	2.0	1.0
SC	SC04-306	**51.2**	19	60.3	10/31	37	1.5	16.4	1.3	1.3
SC	SC07-108	**51.2**	24	59.2	11/7	38	1.7	16.1	1.7	1.0
SS	SS 7511N R2	**50.8**	22	59.4	10/30	34	1.5	17.9	1.2	1.0
UGA	G12PR-7R2	**50.6**	29	58.0	10/29	37	2.5	21.5	1.8	1.3
UGA	G12PR-54R2	**50.6**	40	56.0	10/25	40	1.7	15.7	1.7	1.0
AgSouth	AGS Prichard RR	**47.6**	37	56.5	11/6	38	2.5	15.1	1.5	1.0
Public Variety	Motte	**45.9**	46	46.6	11/5	40	3.8	17.0	2.3	1.0
UGA	G08-4200RR	**42.5**	41[T]	55.0	11/3	42	3.5	15.8	2.0	1.0
Asgrow	AG7535	.	1	**74.4**	10/31	33	1.2	17.7	1.8	1.0
UGA	G11PR-56158R2	.	7[T]	63.6	10/31	39	2.7	21.7	1.5	1.0
SC	SC07-1518RR	.	7[T]	63.6	11/5	37	1.0	16.4	2.0	1.0
UGA	G11PR-56151R2	.	9	62.5	10/31	40	2.0	20.2	1.8	1.0
SC	SC07-1490RR	.	10[T]	62.0	11/5	39	1.3	16.6	1.3	1.0
UGA	G11PR-407R2	.	11	61.9	11/1	38	2.3	18.3	1.3	1.0
Dyna-Gro	S79RY05	.	14	61.2	11/6	41	1.0	18.0	1.7	1.0
UGA	G10-3833 RR	.	15	61.1	11/1	35	1.2	15.4	1.7	1.0
SC	SC07-786RR	.	16[T]	60.9	11/7	41	1.8	18.1	2.0	1.0
Dyna-Gro	S77RY85	.	17[T]	60.6	11/1	34	1.2	14.7	1.7	1.0

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2014, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII - continued										
SC	SC04-375	.	17[T]	60.6	10/29	34	1.8	18.5	1.7	1.3
USG	78S04R	.	18[T]	60.4	11/3	39	1.2	18.5	1.3	1.3
Armor	AX4750	.	20	60.2	10/26	33	1.5	15.6	2.3	1.3
SC	SC07-676RR	.	26	58.9	10/31	35	1.3	16.1	1.7	1.0
Terral-REV®	73R74™	.	30	57.9	10/26	39	2.8	15.9	1.5	1.3
Armor	AX4700	.	31	57.8	10/24	38	1.5	17.7	1.7	1.7
SC	SC06-301RR	.	34	57.2	11/5	35	1.5	15.4	1.8	1.0
Armor	AX4770	.	35[T]	57.1	10/31	35	1.5	14.7	1.7	1.0
UGA	G10PR-3954R2	.	36[T]	56.9	10/25	32	1.3	16.9	1.3	1.3
UGA	G11PR-56238R2	.	36[T]	56.9	10/28	39	2.3	16.1	1.8	1.0
UGA	G11PR-418R2	.	38[T]	56.4	10/28	40	2.3	20.1	1.3	1.0
UGA	G11PR-209R2	.	38[T]	56.4	10/27	34	1.7	14.9	2.0	1.0
Croplan Genetics	R2C7094	.	41[T]	55.0	10/26	34	1.7	17.8	1.7	1.0
UGA	G10-3913R2	.	42	54.7	10/25	40	1.5	19.3	1.5	1.3
SC	SC04-386RR	.	43	54.6	11/6	37	1.2	15.9	1.3	1.0
Average		53.0		59.6 [5]	10/31	37	1.8	17.0	1.7	1.1
LSD at 10% Level		N.S.[6]		7.7	2	4	0.6	1.1	0.4	N.S.
Std. Err. of Entry Mean		2.2		3.3	1	2	0.3	0.5	0.2	0.2

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 9.5% and df for EMS = 108.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: June 24, 2014.
Harvested: November 20, 2014.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Cecil clay loam.
Soil Test: P = Medium, K = Medium, and pH = 6.2.
Fertilization: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop: Wheat.
Management: Chisel plowed, disked, and rototilled; Lasso and one cultivation used for weed control; Lorsban and Karate used for insect control; Domark used for fungal control; irrigated 10.25 inches.

Test conducted by H. Jordan and G. Ware.

Athens, Georgia:
Soybean Variety Performance, 2014, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V									
NK	S52-Y2 Brand	**55.0**	2	**50.1**	9/22	33	1.0	17.1	3.0
SS	5513N R2	**53.2**	5	**47.5**	10/2	35	1.0	15.4	2.0
Terral-REV®	56R63™	**53.2**	10	44.5	10/3	36	1.0	15.6	1.7
Armor	53-R16	**53.0**	11	44.2	10/2	31	1.0	14.4	2.3
AgSouth	AGS 568RR	**52.6**	3	**48.4**	10/1	32	1.0	16.4	1.0
Bayer	HBK LL4950	**52.2**	21	40.3	10/4	32	1.0	15.5	2.7
AR	UA 5612	**51.3**	12	43.6	10/2	30	1.0	14.7	2.3
Bayer	HBK RY5421	**51.3**	16	41.3	10/1	25	1.0	15.4	1.3
Pioneer	95Y71	**49.6**	28	37.8	10/5	34	1.0	16.1	2.0
US Seeds	Halo 5:01	48.8	27	38.9	10/2	35	1.0	14.4	2.3
Pioneer	95Y70	48.3	22[T]	39.6	10/10	38	1.0	15.3	1.3
US Seeds	Halo 5:45	48.3	37	34.8	10/9	28	1.0	14.8	2.0
AgSouth	AGS 533 LL	47.9	29	37.5	10/2	32	1.0	14.8	2.7
SS	SS 5511N R2	47.7	14	42.4	10/4	29	1.0	18.0	1.7
US Seeds	Halo 5:26	46.9	32	37.1	10/3	24	1.0	15.6	2.0
SS	5711N R2	46.6	26	38.6	10/5	30	1.0	16.8	2.0
Bayer	HBK RY5221	46.0	25[T]	38.7	9/24	37	1.0	17.1	3.0
SS	5911N R2	46.0	30[T]	37.3	10/11	30	1.0	12.4	3.3
Armor	55-R22	44.5	40[T]	33.8	10/4	29	1.0	18.6	1.7
SS	LL 595N	44.2	33	36.5	10/5	29	1.0	14.6	2.0
Terral-REV®	57R21™	43.6	34	35.4	10/4	39	1.0	15.3	2.3
Public Variety	Ozark	42.3	42	32.2	9/30	22	1.0	16.0	1.7
Public Variety	Osage	42.3	44	31.0	10/1	23	1.0	13.4	1.7
Armor	49-R56	.	1	**52.8**	9/29	31	1.0	19.0	2.3
US Seeds	Halo X449	.	4	**47.8**	9/29	35	1.0	17.7	2.0
Armor	AX4550	.	6	**47.0**	10/3	33	1.0	15.3	1.7
Dyna-Gro	556RY84	.	7[T]	46.7	10/3	33	1.0	15.2	1.3
Armor	AX4490	.	7[T]	45.7	9/22	32	1.0	18.2	2.7
Armor	50-R44	.	8[T]	45.3	9/24	36	1.0	16.5	3.7
Terral-REV®	55R53™	.	8[T]	45.3	10/7	31	1.0	15.3	3.0
AR	UA 5213C	.	9	44.7	9/27	26	1.0	14.1	2.0
NK	S55-Q3 Brand	.	13	43.4	10/1	31	1.0	16.9	2.3
Pioneer	P54T94R	.	15	42.3	10/2	26	1.0	15.0	2.3
Pioneer	P52T86R	.	17	41.2	9/25	33	1.0	15.1	1.3
Armor	51-R50	.	18	40.9	9/24	29	1.0	18.3	3.7
Bayer	HBK LL4953	.	19	40.7	9/29	28	1.0	14.1	2.3
US Seeds	Halo X452	.	20	40.6	10/4	34	1.0	14.6	2.0
Bayer	HBK LL4850	.	22[T]	39.6	9/21	29	1.0	14.8	3.0
US Seeds	Halo 4:95	.	23	39.0	9/21	29	1.0	14.8	3.3
US Seeds	Halo 4:97	.	25[T]	38.7	9/26	35	1.0	13.6	2.0
Armor	AX4520	.	25[T]	38.7	9/30	27	1.0	16.8	2.7
NK	S59-V9 Brand	.	30[T]	37.3	10/5	29	1.0	15.3	1.6
Asgrow	AG5535	.	31	37.2	10/4	29	1.0	17.6	2.7
Dyna-Gro	39RY57	.	35	35.2	10/6	28	1.0	17.0	2.0
AR	R05-374	.	36	35.1	9/29	30	1.0	17.0	3.0

Athens, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V - continued									
Asgrow	AG5935	.	38	34.5	10/9	30	1.0	17.9	1.7
US Seeds	HALO 5:25	.	39	34.1	9/28	23	1.0	14.7	1.7
GoSoy	5911LL	.	40[T]	33.8	10/6	28	1.0	14.8	1.7
US Seeds	Halo X451	.	41	33.6	10/2	28	1.0	15.0	3.1
US Seeds	HALO 4:94	.	43	32.1	9/29	29	1.0	13.5	2.7
Average		48.5		40.1 [4]	10/1	30	1.0	15.7	2.2
LSD at 10% Level		5.7		5.8	3	4	.	1.0	0.7
Std. Err. of Entry Mean		1.8		2.5	1	1	.	0.4	0.3
Maturity Group VI									
NK	S67-R6 Brand	**51.2**	4	**42.5**	10/10	31	1.0	13.9	1.7
Asgrow	AG6834	**50.7**	1	**46.6**	10/14	37	1.0	16.6	1.3
Dyna-Gro	S65RY73	**49.9**	5	**40.5**	10/11	30	1.0	13.6	1.7
Asgrow	AG6534	**49.3**	12	34.3	10/16	28	1.0	13.9	1.7
SS	6713N R2	**45.5**	6	37.9	10/15	28	1.0	14.3	1.0
SS	SS 6810N R2	**44.8**	11	36.5	10/16	34	1.0	14.8	1.3
Dyna-Gro	S69RY34	**44.1**	7	37.4	10/16	43	1.0	15.4	1.7
Public Variety	Musen	**42.5**	9	36.8	10/16	35	1.0	12.2	1.0
UGA	G10-3429 RR	.	2	**44.8**	10/8	29	1.0	16.9	2.0
Armor	61-R14	.	3	**43.4**	10/10	30	1.0	13.0	2.0
Dyna-Gro	SX14867R	.	8	37.3	10/12	32	1.0	15.3	1.0
Armor	67-R90	.	10	36.7	10/17	37	1.0	14.4	1.7
Croplan Genetics	R2C6764	.	13	32.4	10/15	28	1.0	14.4	1.7
Average		47.2		39.0 [5]	10/14	32	1.0	14.5	1.5
LSD at 10% Level		N.S.[6]		6.6	3	5	.	2.2	0.6
Std. Err. of Entry Mean		2.0		2.7	1	2	.	0.9	0.2
Maturity Groups VII and VIII									
AgSouth	AGS Woodruff	**70.4**	1	**61.2**	10/22	37	1.0	16.3	1.0
NK	S74-M3 Brand	**68.7**	2	**57.5**	10/19	37	1.0	16.8	1.7
Dyna-Gro	34RY75	**68.5**	6	53.6	10/21	37	1.0	13.8	1.0
UGA	G10PR-86R2	**64.7**	13	51.3	10/17	44	1.3	14.9	1.3
SC	SC07-108	62.3	12[T]	51.5	10/24	38	1.0	15.3	1.3
SS	SS 7511N R2	62.2	3	**55.2**	10/20	34	1.0	18.3	2.0
UGA	G12PR-7R2	62.1	29	46.8	10/16	34	1.0	18.5	2.0
USG	77S40R2	61.9	19	50.0	10/18	34	1.0	17.3	2.0
SC	SC04-306	61.3	4	**54.7**	10/21	37	1.0	14.1	1.0
AgSouth	AGS 738 RR	61.3	5[T]	53.8	10/16	36	1.0	13.5	2.0
Bayer	HBK RY7523	61.1	23	49.0	10/17	32	1.0	14.6	2.0
UGA	G10PR-56264R2	61.0	20[T]	49.9	10/20	38	1.0	14.6	1.0
UGA	G12PR-54R2	60.6	10	52.0	10/20	40	1.0	15.2	1.0
UGA	G10PR-56444R2	60.3	28	47.0	10/21	42	1.0	14.9	2.0
UGA	G12PR-63R2	60.0	9[T]	52.6	10/18	41	1.0	14.3	2.0

Athens, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Groups VII and VIII - continued									
AgSouth	AGS 787 RR	59.8	18	50.4	10/19	40	1.0	16.0	1.3
Public Variety	Santee	59.7	7	53.2	10/18	42	1.0	15.3	1.7
Asgrow	AG7934	59.6	35	44.7	10/23	41	1.0	15.6	1.3
USG	77S63R	59.4	20[T]	49.9	10/17	31	1.0	14.2	2.0
NK	S77-T7 Brand	59.0	21	49.8	10/20	38	1.0	14.0	1.3
UGA	G08-4200RR	58.3	8[T]	52.7	10/18	37	1.0	13.0	1.0
AgSouth	AGS 828 RR	58.3	27[T]	48.3	10/20	36	1.3	14.4	1.3
UGA	G10PR-224R2	58.0	33	45.1	10/18	42	1.0	13.7	1.3
UGA	G08-3279RR	57.4	24	48.9	10/22	42	1.0	17.1	2.0
Dyna-Gro	S74RY15	57.3	32[T]	46.3	10/17	29	1.0	14.0	2.0
SC	SC03-062	56.6	34	44.9	10/24	38	1.0	15.1	1.7
USG	77S13R	56.3	41	42.3	10/16	41	1.0	15.2	2.0
AgSouth	AGS Prichard RR	54.7	27[T]	47.3	10/22	45	1.0	14.0	1.0
Public Variety	Motte	53.6	38	43.4	10/24	45	1.0	13.8	1.0
Public Variety	Cook	49.8	39	43.2	10/19	41	1.0	16.5	2.0
Terral-REV®	73R74™	.	5[T]	53.8	10/16	46	1.7	14.7	2.0
UGA	G11PR-209R2	.	8[T]	52.7	10/17	37	1.0	13.8	1.0
Asgrow	AG7535	.	9[T]	52.6	10/17	35	1.0	16.8	1.0
SC	SC06-301RR	.	11	51.9	10/21	35	1.0	13.6	1.0
UGA	G10-3913R2	.	12[T]	51.5	10/17	39	1.0	18.9	1.0
Armor	AX4700	.	17	51.2	10/16	43	1.0	15.0	2.0
UGA	G11PR-418R2	.	15	51.1	10/16	38	1.0	17.1	2.0
UGA	G11PR-56238R2	.	16[T]	50.9	10/17	40	1.0	14.5	1.3
SC	SC04-375	.	16[T]	50.9	10/16	36	1.0	15.8	1.3
Croplan Genetics	R2C7094	.	17	50.6	10/16	44	1.0	14.6	1.7
UGA	G11PR-56158R2	.	22[T]	49.2	10/17	40	1.0	18.3	1.7
UGA	G11PR-56151R2	.	22[T]	49.2	10/18	40	1.0	17.2	1.3
Armor	AX4750	.	25	48.6	10/17	30	1.0	14.9	2.0
Armor	AX4770	.	26[T]	48.4	10/20	38	1.0	13.9	1.0
SC	SC07-1518RR	.	26[T]	48.4	10/24	43	1.0	16.2	2.0
SC	SC07-676RR	.	30	46.6	10/21	41	1.0	14.8	1.7
UGA	G11PR-407R2	.	31	46.5	10/21	39	1.0	16.9	1.0
SC	SC04-386RR	.	32[T]	46.3	10/22	40	1.0	14.7	1.3
SC	SC07-786RR	.	36	43.8	10/24	43	1.0	17.0	1.7
UGA	G10-3833 RR	.	37	43.7	10/20	41	1.0	14.7	1.0
Dyna-Gro	S77RY85	.	40	43.0	10/20	36	1.0	13.1	1.3
UGA	G10PR-3954R2	.	42	41.4	10/16	36	1.0	14.7	1.0
SC	SC07-1490RR	.	43	40.0	10/23	47	1.0	16.9	1.3
Dyna-Gro	S79RY05	.	44	39.4	10/23	41	1.0	16.2	1.3
USG	78S04R	.	45	37.8	10/23	43	1.0	16.3	2.0
Average		60.1		48.8 [7]	10/19	39	1.0	15.4	1.5
LSD at 10% Level		6.7		6.8	2	3	.	1.0	0.5
Std. Err. of Entry Mean		2.3		2.9	1	1	.	0.4	0.2

Athens, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 10.7% and df for EMS = 98.
5. CV = 12.1% and df for EMS = 24.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 10.2% and df for EMS = 108.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	May 22, 2014
Harvested:	Maturity Groups V and VI - October 20, 2014. Maturity Group VII and VIII - November 11, 2014.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Cecil coarse sandy loam.
Soil Test:	Maturity Groups V and VI: P = Medium, K = Medium, and pH = 6.1. Maturity Group VII and VIII: P = High, K = High, and pH = 6.3.
Fertilization:	14 lb N, 52 lb P_2O_5, and 105 lb K_2O/acre.
Previous Crop:	Maturity Groups V and VI: Fallow. Maturity Group VII and VIII: Cotton.
Management:	Chisel plowed and disked; Valor XLT, Prowl, Classic, and one cultivation used for weed control; subsoiled between rows after cultivation; Endigo used for insect control; Telone II used for nematode control; Domark used for disease control; irrigated four times for total of 4 inches.

Test conducted by Z. Li, E.D. Wood, G.B. Rowan, S.L. Finnerty, W.E. Baxter, C.T. Collins, B.F. Wilson, C.W. White, S.S. Stone, T.W. Thorne, E.B. Beck, J.J. Griffin, P.K. Roach, J.M. Cartey, M.H. Hargrave, and P.L. Glenn.

Calhoun, Georgia:
Soybean Variety Performance, 2014, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2014 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
US Seeds	Halo 5:01	**54.8**	4	**61.7**	10/9	50	1.7	16.4	2.3	1.0
US Seeds	Halo 5:45	**54.7**	25	55.3	10/3	42	1.5	15.2	2.0	1.0
Bayer	HBK LL4950	**54.1**	8[T]	**59.4**	10/6	48	1.5	16.5	2.5	1.0
SS	LL 595N	**53.8**	11[T]	**58.4**	10/5	42	1.8	15.7	2.0	1.0
Armor	53-R16	**53.7**	13	**58.2**	10/2	42	1.7	14.8	2.3	1.0
Pioneer	95Y71	**53.2**	1	**63.5**	10/1	47	1.5	16.8	1.7	1.0
AgSouth	AGS 533 LL	**52.8**	17[T]	**57.5**	10/7	44	1.2	17.2	2.2	1.0
Public Variety	Ozark	**52.5**	9	**59.2**	10/1	41	2.3	18.5	1.5	1.0
NK	S52-Y2 Brand	**52.3**	40	48.5	9/18	41	1.3	15.3	2.7	1.0
SS	SS 5511N R2	**51.8**	5	**60.5**	10/3	43	1.3	21.5	1.7	1.0
AgSouth	AGS 568RR	**51.4**	14[T]	**58.0**	9/29	48	2.0	18.7	1.7	1.0
Armor	55-R22	**51.3**	16	**57.6**	10/5	43	1.8	21.5	1.7	1.0
Public Variety	Osage	**50.9**	31	53.6	10/1	40	1.2	15.4	2.0	1.0
US Seeds	Halo 5:26	**50.5**	37	51.1	9/25	38	2.3	16.9	2.0	1.0
SS	5711N R2	**50.2**	8[T]	**59.4**	10/2	37	1.8	20.8	1.8	1.0
Pioneer	95Y70	**49.8**	14[T]	**58.0**	10/13	49	2.5	18.3	1.8	1.0
Terral-REV®	57R21™	**49.5**	27	54.7	10/2	55	2.2	16.9	1.8	1.0
Terral-REV®	56R63™	**48.8**	18	**57.4**	10/9	51	2.5	18.4	2.2	1.0
SS	5911N R2	**48.3**	17[T]	**57.5**	10/11	37	1.2	14.0	1.8	1.0
SS	5513N R2	**48.0**	29	54.4	10/2	50	2.7	17.9	2.0	1.0
Bayer	HBK RY5421	**47.9**	19	**57.3**	10/1	44	2.2	17.8	1.3	1.0
AR	UA 5612	**47.1**	21	56.4	10/2	45	3.3	15.5	2.2	1.0
Bayer	HBK RY5221	**43.2**	43	44.4	9/29	45	1.7	15.8	3.8	1.0
NK	S55-Q3 Brand	.	2	**62.8**	9/30	46	2.7	19.9	1.8	1.0
Dyna-Gro	39RY57	.	3	**62.2**	10/6	38	1.7	20.6	1.5	1.0
Dyna-Gro	556RY84	.	6	**59.9**	10/2	46	2.0	17.6	1.8	1.0
Armor	50-R44	.	7[T]	**59.7**	9/27	54	1.5	14.8	2.8	1.0
Armor	51-R50	.	7[T]	**59.7**	9/22	38	1.0	16.2	3.0	1.0
NK	S59-V9 Brand	.	7[T]	**59.7**	10/17	42	2.0	18.2	2.3	1.0
Asgrow	AG5535	.	10	**58.6**	9/30	42	1.2	17.9	1.8	1.0
Armor	AX4550	.	11[T]	**58.4**	10/5	51	2.5	16.5	2.2	1.0
Pioneer	P52T86R	.	12	**58.3**	9/19	47	2.2	16.1	1.7	1.0
US Seeds	Halo X452	.	15	**57.8**	10/8	42	1.3	15.6	2.3	1.0
AR	R05-374	.	20	**57.2**	10/2	50	2.2	16.6	2.8	1.0
Pioneer	P54T94R	.	22	56.1	10/2	39	1.3	16.8	2.5	1.0
AR	UA 5213C	.	23	55.8	10/8	44	4.2	15.4	2.0	1.0
Asgrow	AG5935	.	24	55.6	10/10	43	1.2	19.5	2.2	1.0
US Seeds	Halo X449	.	26	54.9	9/29	52	2.0	17.3	2.3	1.0
US Seeds	HALO 5:25	.	28	54.5	9/27	35	1.3	15.9	2.0	1.0
Bayer	HBK LL4953	.	30	53.6	10/4	41	1.0	16.4	2.0	1.0

Calhoun, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
				bu/acre	date	in	rating	gm	rating	rating
Maturity Group V - continued										
Armor	AX4520	.	32	52.1	10/1	43	2.0	17.5	2.3	1.0
Bayer	HBK LL4850	.	33	51.8	9/16	40	1.7	14.3	2.3	1.0
GoSoy	5911LL	.	34	51.5	10/6	41	1.3	15.5	2.3	1.0
US Seeds	Halo 4:97	.	35	51.5	9/19	48	2.3	13.6	2.0	1.0
US Seeds	Halo 4:95	.	36	51.2	9/12	38	1.3	14.0	2.2	1.0
US Seeds	Halo X451	.	38	51.0	9/27	42	1.2	16.3	2.3	1.0
Terral-REV®	55R53™	.	39	50.3	10/7	40	1.7	15.5	3.0	1.0
Armor	49-R56	.	41	46.9	9/14	38	1.3	15.8	2.2	1.0
US Seeds	HALO 4:94	.	42	44.8	9/22	41	1.2	14.7	2.0	1.0
Armor	AX4490	.	44	43.9	9/19	38	1.3	15.5	3.2	1.0
Average		50.9		55.6 [5]	10/1	44	1.8	16.8	2.2	1.0
LSD at 10% Level		N.S.[6]		6.7	N.S.	6	N.S.	1.0	N.S.	.
Std. Err. of Entry Mean		3.7		2.8	2	2	0.3	0.4	0.2	.
Maturity Group VI										
Dyna-Gro	S65RY73	**45.6**	2	**52.5**	10/14	46	2.0	14.9	2.0	1.0
NK	S67-R6 Brand	**44.3**	3	**50.7**	10/14	47	1.7	19.7	2.0	1.0
SS	6713N R2	**41.4**	4	**49.3**	10/16	45	1.0	17.1	1.8	1.0
Asgrow	AG6534	39.9	7[T]	44.9	10/16	43	1.2	16.7	1.5	1.0
Asgrow	AG6834	39.5	5	**47.4**	10/16	50	1.2	19.1	1.7	1.0
SS	SS 6810N R2	38.2	11	41.6	10/16	48	1.2	17.6	1.7	1.0
Dyna-Gro	S69RY34	36.3	7[T]	44.9	10/13	48	2.2	16.5	1.8	1.0
Public Variety	Musen	34.6	10	41.7	10/17	44	2.5	14.8	1.5	1.0
Armor	61-R14	.	1	**54.4**	10/10	44	1.2	14.8	2.0	1.0
UGA	G10-3429 RR	.	6	46.2	10/13	43	1.3	19.6	1.7	1.0
Dyna-Gro	SX14867R	.	8	42.6	10/16	45	1.2	16.7	1.7	1.0
Croplan Genetics	R2C6764	.	9	42.3	10/16	45	1.2	16.1	1.7	1.0
Armor	67-R90	.	12	40.8	10/16	49	1.0	17.9	1.8	1.0
Average		40.0		46.1 [7]	10/15	46	1.4	17.0	1.8	1.0
LSD at 10% Level		4.6		7.7	4	5	0.9	N.S.	N.S.	.
Std. Err. of Entry Mean		2.0		3.2	2	2	0.4	0.4	0.2	.

Calhoun, Georgia:
Soybean Variety Performance, 2014, Irrigated (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 8.9% and df for EMS = 98.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 12.0% and df for EMS = 24.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	May 23, 2014.
Harvested:	Maturity Group V - November 11, 2014. Maturity Group VI - November 12, 2014.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Rome gravelly clay loam.
Soil Test:	Maturity Group V: P = High, K = Medium, and pH = 5.7. Maturity Group VI: P = Very High, K = High, and pH = 5.9.
Fertilization:	9 lb N, 42 lb P_2O_5, and 138 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Moldboard plowed, disked, rototilled, and one cultivation; Treflan, Select Max, Classic, Basagran, and Blazer used for weed control; Karate and Dimilin used for insect control; Domark used for fungal control; irrigated 11 inches.

Test conducted by H. Jordan, G. Ware, and J. Stubbs.

Summary of Dryland Soybean Variety Performance at Four Locations, 2014

		Yields[1]									
		Griffin[2]		Midville		Plains		Tifton		Statewide Avg	
Company/Brand	Variety	2014	2-Yr Avg	2014	2-Yr Avg	2014	2-Yr Avg	2014	2-Yr Avg	2014	2-Yr Avg
		bu/acre									
Maturity Group V											
AgSouth	AGS 568RR	**44.3**	**53.4**	**28.1**	32.9	26.0	**45.2**	**34.4**	**50.7**	33.2	45.6
Bayer	HBK RY5421	**35.5**	44.8	**24.2**	24.6	22.1	**46.4**	27.3	**48.7**	27.3	41.1
GoSoy	5911LL	**38.3**	.	**31.0**	.	24.8	.	**35.8**	.	32.5	.
Pioneer	95Y70	**47.5**	**54.8**	**36.6**	**43.0**	**35.0**	**49.9**	**41.7**	**51.2**	**40.2**	**49.7**
Pioneer	95Y71	**44.1**	**56.3**	**28.5**	26.7	27.7	**50.2**	**41.6**	**59.1**	35.5	**48.1**
Public Variety	Osage	**46.6**	**57.0**	**26.3**	30.5	25.8	**50.7**	27.4	**50.2**	31.5	**47.1**
Public Variety	Ozark	**39.6**	50.0	**32.9**	**37.6**	22.9	**48.6**	31.9	**47.3**	31.8	45.9
SS	LL 595N	**38.7**	52.1	**29.9**	32.5	26.8	**46.7**	**37.1**	**55.8**	33.1	46.8
SS	SS 5511N R2	**47.6**	**57.4**	**29.8**	**34.8**	29.9	**48.8**	30.8	**51.6**	34.5	**48.2**
Terral-REV®	57R21™	**47.8**	**56.2**	**32.8**	29.0	29.8	**50.1**	**43.0**	**54.3**	**38.3**	**47.4**
Average		43.0	53.6	30.0	32.4	27.1	48.5	35.1	52.1	33.8	46.7
LSD at 10% Level		N.S.[2]	4.8	N.S.	9.1	3.4	N.S.	10.0	N.S.	3.8	2.6
Std. Err. of Entry Mean		3.5	2.2	3.2	2.5	1.4	1.1	4.1	2.6	1.6	1.1
Maturity Group VI											
Armor	61-R14	**53.3**	.	34.0	.	**25.7**	.	22.4	.	33.9	.
Armor	67-R90	**53.1**	.	41.8	.	**36.8**	.	**61.9**	.	**48.4**	.
Asgrow	AG6534	46.7	**51.5**	31.0	29.3	**29.7**	**45.9**	25.0	**46.3**	33.1	43.3
Asgrow	AG6834	46.9	.	39.9	.	**30.2**	.	26.9	.	36.0	.
Dyna-Gro	S65RY73	**55.3**	**55.8**	33.6	33.4	**30.1**	**46.4**	32.2	**57.8**	37.8	48.3
Dyna-Gro	S69RY34	**52.0**	.	34.9	.	**33.0**	.	31.3	.	37.8	.
NK	S67-R6 Brand	**50.9**	**55.5**	38.9	**38.3**	**31.9**	**50.1**	39.0	**56.0**	40.2	**50.0**
Public Variety	Musen	44.8	.	31.4	.	**37.0**	.	**53.7**	.	41.7	.
SS	6713N R2	**51.7**	**54.9**	**49.6**	41.1	**28.2**	**43.8**	39.8	**47.1**	42.3	46.7
SS	SS 6810N R2	**54.4**	**55.9**	**50.5**	**46.6**	**34.5**	**44.5**	59.4	**67.1**	**49.7**	**53.5**
Average		50.9	54.7	38.6	37.7	31.7	46.1	39.2	54.9	40.1	48.4
LSD at 10% Level		5.7	N.S.	7.1	10.2	N.S.	N.S.	13.0	N.S.	4.1	4.2
Std. Err. of Entry Mean		2.3	2.2	2.9	5.7	2.7	1.8	5.3	3.2	1.8	1.8
Maturity Group VII & VIII											
AgSouth	AGS 787 RR	29.5	**42.3**	34.0	**38.9**	31.8	**41.5**	**50.2**	**60.4**	36.4	**45.8**
AgSouth	AGS Prichard RR	**41.7**	**47.7**	31.6	**44.1**	**39.8**	**46.3**	**55.0**	**55.4**	42.0	**48.4**
AgSouth	AGS Woodruff	**44.8**	**51.6**	37.1	**36.5**	**39.2**	**48.9**	**62.9**	**69.2**	**46.0**	**51.5**
Asgrow	AG7934	**45.5**	.	36.2	.	**42.5**	.	**52.6**	.	44.2	.
Bayer	HBK RY7523	**46.4**	.	37.4	.	31.6	.	**47.0**	.	40.6	.
Dyna-Gro	34RY75	**41.3**	**50.6**	40.1	**38.0**	**40.0**	**47.5**	**58.0**	**63.8**	44.8	**50.0**
NK	S77-T7 Brand	**43.4**	.	**42.7**	.	**40.8**	.	**55.8**	.	45.7	.
Public Variety	Motte	**48.2**	**49.0**	**45.7**	**39.5**	**39.4**	**50.3**	**65.4**	**64.2**	**49.7**	**50.7**
Public Variety	Santee	39.0	**45.4**	**48.0**	**43.9**	**37.0**	**45.3**	**53.5**	**62.5**	44.4	**49.3**
SS	SS 7511N R2	**45.4**	**49.4**	39.1	**30.4**	34.6	**47.4**	**50.9**	**59.1**	42.5	**46.6**
Average		42.5	48.0	39.2	38.8	37.7	46.8	55.1	62.1	43.6	48.9
LSD at 10% Level		7.4	N.S.	6.8	N.S.	5.5	N.S.	N.S.	N.S.	3.8	N.S.
Std. Err. of Entry Mean		3	1.9	2.7	3.4	2.2	1.6	4.4	2.4	1.6	1.2

Summary of Dryland Soybean Variety Performance at Four Locations, 2014 (Continued)

1. Yields calculated at 13% moisture.
2. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Regional Summary of Dryland Soybean Variety Performance at Four Locations, 2014

Company or Brand Name	Variety	Yield[1] South[2] 2014	South[2] 2-Year Average	North[3] 2014	North[3] 2-Year Average	Statewide 2014	Statewide 2-Year Average
		bu/acre					
Maturity Group V							
AgSouth	AGS 568RR	29.5	**42.9**	**44.3**	**53.4**	33.2	45.6
Bayer	HBK RY5421	24.5	**39.9**	**35.5**	44.8	27.3	41.1
GoSoy	5911LL	30.6	.	**38.3**	.	32.5	.
Pioneer	95Y70	**37.8**	**48.0**	**47.5**	**54.8**	**40.2**	**49.7**
Pioneer	95Y71	32.6	**45.3**	**44.1**	**56.3**	35.5	**48.1**
Public Variety	Osage	26.5	**43.8**	**46.6**	**57.0**	31.5	**47.1**
Public Variety	Ozark	29.2	**44.5**	**39.6**	50.0	31.8	45.9
SS	LL 595N	31.3	**45.0**	**38.7**	52.1	33.1	46.8
SS	SS 5511N R2	30.2	**45.1**	**47.6**	**57.4**	34.5	**48.2**
Terral-REV®	57R21™	**35.2**	**44.5**	**47.8**	**56.2**	**38.3**	**47.4**
Average		30.7	44.3	43.0	53.6	33.8	46.7
LSD at 10% Level		4.3	N.S.[4]	N.S.	4.8	3.8	2.6
Std. Err. of Entry Mean		1.8	1.2	3.5	2.2	1.6	1.1
Maturity Group VI							
Armor	61-R14	27.4	.	**53.3**	.	33.9	.
Armor	67-R90	**46.9**	.	**53.1**	.	**48.4**	.
Asgrow	AG6534	28.6	40.5	46.7	**51.5**	33.1	43.3
Asgrow	AG6834	32.3	.	46.9	.	36.0	.
Dyna-Gro	S65RY73	32.0	**45.8**	**55.3**	**55.8**	37.8	48.3
Dyna-Gro	S69RY34	33.1	.	**52.0**	.	37.8	.
NK	S67-R6 Brand	36.6	**48.1**	**50.9**	**55.5**	40.2	**50.0**
Public Variety	Musen	40.7	.	44.8	.	41.7	.
SS	6713N R2	39.2	44.0	**51.7**	**54.9**	42.3	46.7
SS	SS 6810N R2	**48.1**	**52.7**	**54.4**	**55.9**	**49.7**	**53.5**
Average		36.5	46.2	50.9	54.7	40.1	48.4
LSD at 10% Level		5.2	5.4	5.7	N.S.	4.1	4.2
Std. Err. of Entry Mean		2.2	2.2	2.3	2.2	1.8	1.8
Maturity Group VII and VIII							
AgSouth	AGS 787 RR	38.7	**47.0**	29.5	**42.3**	36.4	**45.8**
AgSouth	AGS Prichard RR	42.1	**48.6**	**41.7**	**47.7**	42.0	**48.4**
AgSouth	AGS Woodruff	**46.4**	**51.5**	**44.8**	**51.6**	**46.0**	**51.5**
Asgrow	AG7934	43.8	.	**45.5**	.	44.2	.
Bayer	HBK RY7523	38.7	.	**46.4**	.	40.6	.
Dyna-Gro	34RY75	**46.0**	**49.8**	**41.3**	**50.6**	44.8	**50.0**
NK	S77-T7 Brand	**46.5**	.	**43.4**	.	45.7	.
Public Variety	Motte	**50.1**	**51.3**	**48.2**	**49.0**	**49.7**	**50.7**
Public Variety	Santee	**46.2**	**50.6**	39.0	**45.4**	44.4	**49.3**
SS	SS 7511N R2	41.5	**45.6**	**45.4**	**49.4**	42.5	**46.6**
Average		44.0	49.2	42.5	48.0	43.6	48.9
LSD at 10% Level		4.4	N.S.	7.4	N.S.	3.8	N.S.
Std. Err. of Entry Mean		1.9	1.5	3.0	1.9	1.6	1.2

Regional Summary of Dryland Soybean Variety Performance at Four Locations, 2014 (Continued)

1. Yields calculated at 13% moisture.
2. Midville, Plains and Tifton.
3. Griffin.
4. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore a LSD value was not calculated.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Tifton, Georgia:
Dryland Soybean Variety Performance, 2014

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
Pioneer	95Y71	**59.1**	3	**41.6**	10/13	25	1.0	18.8	2.5	1.0
SS	LL 595N	**55.8**	4	**37.1**	10/14	22	1.0	17.3	2.2	1.0
Terral-REV®	57R21™	**54.3**	1	**43.0**	10/17	29	1.0	19.1	2.3	1.0
SS	SS 5511N R2	**51.6**	8	30.8	10/11	21	1.0	22.1	2.0	1.0
Pioneer	95Y70	**51.2**	2	**41.7**	10/18	29	1.0	21.4	1.5	1.0
AgSouth	AGS 568RR	**50.7**	6	**34.4**	10/15	21	1.0	20.7	2.2	1.0
Public Variety	Osage	**50.2**	9	27.4	10/11	19	1.0	16.4	3.0	1.0
Bayer	HBK RY5421	**48.7**	10	27.3	10/13	18	1.0	18.3	2.8	1.0
Public Variety	Ozark	**47.3**	7	31.9	10/11	21	1.0	21.2	1.7	1.0
GoSoy	5911LL	.	5	**35.8**	10/13	22	1.0	17.6	2.2	1.0
Average		52.1		35.1 [5]	10/13	23	1.0	19.3	2.2	1.0
LSD at 10% Level		N.S.[6]		10.0	3	5	.	1.1	0.4	.
Std. Err. of Entry Mean		2.6		4.1	1	2	.	0.4	0.2	.
Maturity Group VI										
SS	SS 6810N R2	**67.1**	2	**59.4**	10/21	29	1.0	19.2	1.7	1.0
Dyna-Gro	S65RY73	**57.8**	6	32.2	10/19	19	1.0	17.3	1.8	1.0
NK	S67-R6 Brand	**56.0**	5	39.0	10/21	26	1.0	19.8	1.7	1.0
SS	6713N R2	**47.1**	4	39.8	10/17	20	1.0	18.0	1.7	1.0
Asgrow	AG6534	**46.3**	9	25.0	10/19	21	1.0	16.2	2.2	1.0
Armor	67-R90	.	1	**61.9**	10/19	26	1.0	18.8	1.5	1.0
Public Variety	Musen	.	3	**53.7**	10/19	22	1.0	15.3	1.5	1.0
Dyna-Gro	S69RY34	.	7	31.3	10/20	23	1.0	18.1	1.7	1.0
Asgrow	AG6834	.	8	26.9	10/21	27	1.0	19.3	1.8	1.0
Armor	61-R14	.	10	22.4	10/19	20	1.0	16.1	2.7	1.0
Average		54.9		39.2 [7]	10/19	23	1.0	17.8	1.8	1.0
LSD at 10% Level		N.S.		13.0	1	2	.	1.4	0.4	.
Std. Err. of Entry Mean		3.2		5.3	1	1	.	0.6	0.2	.
Maturity Group VII and VIII										
AgSouth	AGS Woodruff	**69.2**	2	**62.9**	10/23	29	1.3	16.4	1.5	1.0
Public Variety	Motte	**64.2**	1	**65.4**	10/23	37	1.7	18.2	1.5	1.0
Dyna-Gro	34RY75	**63.8**	3	**58.0**	10/22	33	1.0	17.2	1.7	1.0
Public Variety	Santee	**62.5**	6	**53.5**	10/23	31	1.0	17.4	1.5	1.0
AgSouth	AGS 787 RR	**60.4**	9	**50.2**	10/27	31	1.0	18.2	1.8	1.0
SS	SS 7511N R2	**59.1**	8	**50.9**	10/21	31	1.3	18.9	1.8	1.0
AgSouth	AGS Prichard RR	**55.4**	5	**55.0**	10/26	32	1.3	15.5	1.7	1.0
NK	S77-T7 Brand	.	4	**55.8**	10/25	31	1.0	17.9	1.5	1.0
Asgrow	AG7934	.	7	**52.6**	10/25	29	1.3	19.3	2.0	1.0
Bayer	HBK RY7523	.	10	**47.0**	10/24	25	1.0	19.6	2.2	1.0
Average		62.1		55.1 [8]	10/23	31	1.2	17.9	1.7	1.0
LSD at 10% Level		N.S.		N.S.	.	4	.	2.0	0.3	.
Std. Err. of Entry Mean		2.4		4.4	.	2	.	0.8	0.1	.

Tifton, Georgia:
Dryland Soybean Variety Performance, 2014 (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 20.3% and df for EMS = 18.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 23.4% and df for EMS = 18.
8. CV = 13.7% and df for EMS = 18.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	June 3, 2014.
Harvested:	November 5, 2014.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = Very High, K = Medium, and pH = 6.0.
Fertilization:	0 lb N, 0 lb P_2O_5, and 125 lb K_2O/acre.
Previous Crop:	Wheat.
Management:	Disked, subsoiled, bedded, and rototilled; Dual Magnum, Select, Basagran, and Ultra Blazer used for weed control; Lorsban, Tracer, and Bifenthrin used for insect control; Telone II used for nematode control; Domark used for fungal control.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Dryland Soybean Variety Performance, 2014

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
Public Variety	Osage	**50.7**	7	25.8	.	21	1.0	.	.	1.0
Pioneer	95Y71	**50.2**	4	27.7	.	24	1.0	.	.	1.0
Terral-REV®	57R21™	**50.1**	3	29.8	.	33	1.7	.	.	1.0
Pioneer	95Y70	**49.9**	1	**35.0**	.	32	1.0	.	.	1.0
SS	SS 5511N R2	**48.8**	2	29.9	.	23	1.0	.	.	1.0
Public Variety	Ozark	**48.6**	9	22.9	.	19	1.0	.	.	1.0
SS	LL 595N	**46.7**	5	26.8	.	23	1.0	.	.	1.0
Bayer	HBK RY5421	**46.4**	10	22.1	.	23	1.0	.	.	1.0
AgSouth	AGS 568RR	**45.2**	6	26.0	.	25	1.0	.	.	1.0
GoSoy	5911LL	.	8	24.8	.	26	1.0	.	.	1.0
Average		48.5		27.1 [4]	.	25	1.1	.	.	1.0
LSD at 10% Level		N.S.[5]		3.4	.	4	0.2	.	.	.
Std. Err. of Entry Mean		1.1		1.4	.	1	0.1	.	.	.
Maturity Group VI										
NK	S67-R6 Brand	**50.1**	5	**31.9**	.	25	1.0	.	.	1.0
Dyna-Gro	S65RY73	**46.4**	7	**30.1**	.	23	1.0	.	.	1.0
Asgrow	AG6534	**45.9**	8	**29.7**	.	20	1.0	.	.	1.0
SS	SS 6810N R2	**44.5**	3	**34.5**	.	27	1.0	.	.	1.0
SS	6713N R2	**43.8**	9	**28.2**	.	19	1.0	.	.	1.0
Public Variety	Musen	.	1	**37.0**	.	28	1.0	.	.	1.0
Armor	67-R90	.	2	**36.8**	.	27	1.0	.	.	1.0
Dyna-Gro	S69RY34	.	4	**33.0**	.	31	1.0	.	.	1.0
Asgrow	AG6834	.	6	**30.2**	.	26	1.0	.	.	1.0
Armor	61-R14	.	10	**25.7**	.	20	1.0	.	.	1.0
Average		46.1		31.7 [6]	.	25	1.0	.	.	1.0
LSD at 10% Level		N.S.		N.S.	.	4	.	.	.	.
Std. Err. of Entry Mean		1.8		2.7	.	2	.	.	.	.
Maturity Group VII and VIII										
Public Variety	Motte	**50.3**	5	**39.4**	.	36	2.0	.	.	1.0
AgSouth	AGS Woodruff	**48.9**	6	**39.2**	.	31	1.3	.	.	1.0
Dyna-Gro	34RY75	**47.5**	3	**40.0**	.	33	1.0	.	.	1.0
SS	SS 7511N R2	**47.4**	8	34.6	.	28	1.0	.	.	1.0
AgSouth	AGS Prichard RR	**46.3**	4	**39.8**	.	31	2.0	.	.	1.0
Public Variety	Santee	**45.3**	7	**37.0**	.	31	1.3	.	.	1.0
AgSouth	AGS 787 RR	**41.5**	9	31.8	.	29	1.3	.	.	1.0
Asgrow	AG7934	.	1	**42.5**	.	28	1.0	.	.	1.0
NK	S77-T7 Brand	.	2	**40.8**	.	33	1.0	.	.	1.0
Bayer	HBK RY7523	.	10	31.6	.	23	1.0	.	.	1.0
Average		46.8		37.7 [7]	.	30	1.3	.	.	1.0
LSD at 10% Level		N.S.		5.5	.	2	0.5	.	.	.
Std. Err. of Entry Mean		1.6		2.2	.	1	0.2	.	.	.

Plains, Georgia:
Dryland Soybean Variety Performance, 2014 (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
4. CV = 8.9% and df for EMS = 18.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
6. CV = 14.8% and df for EMS = 18.
7. CV = 10.3% and df for EMS = 18.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	June 9, 2014.
Harvested:	November 4, 2014.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Low, K = Medium, and pH = 6.7.
Fertilization:	46 lb N, 118 lb P_2O_5, and 72 lb K_2O/acre.
Previous Crop:	Grain sorghum.
Management:	Disked, chisel plowed, and bedded; Acumen, Valor, and Blazer used for weed control.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Midville, Georgia:
Dryland Soybean Variety Performance, 2014

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality	Shatt.[3]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
Pioneer	95Y70	**43.0**	1	**36.6**	10/14	31	1.0	.	.	1.0
Public Variety	Ozark	**37.6**	2	**32.9**	10/4	19	1.0	.	.	1.0
SS	SS 5511N R2	34.8	6	**29.8**	10/6	26	1.0	.	.	1.0
AgSouth	AGS 568RR	32.9	8	**28.1**	10/7	23	1.0	.	.	1.0
SS	LL 595N	32.5	5	**29.9**	10/2	25	1.0	.	.	1.0
Public Variety	Osage	30.5	9	**26.3**	10/7	19	1.0	.	.	1.0
Terral-REV®	57R21™	29.0	3	**32.8**	10/7	28	1.0	.	.	1.0
Pioneer	95Y71	26.7	7	**28.5**	10/2	23	1.0	.	.	1.0
Bayer	HBK RY5421	24.6	10	**24.2**	10/3	24	1.0	.	.	1.0
GoSoy	5911LL	.	4	**31.0**	10/7	23	1.0	.	.	1.0
Average		32.4		30.0 [4]	10/6	24	1.0	.	.	1.0
LSD at 10% Level		9.1		N.S.[5]	4	3	.	.	.	.
Std. Err. of Entry Mean		2.5		3.2	2	1	.	.	.	.
Maturity Group VI										
SS	SS 6810N R2	**46.6**	1	**50.5**	10/19	27	1.0	.	.	1.0
SS	6713N R2	**41.1**	2	**49.6**	10/15	25	1.0	.	.	1.0
NK	S67-R6 Brand	**38.3**	5	38.9	10/15	26	1.0	.	.	1.0
Dyna-Gro	S65RY73	**33.4**	8	33.6	10/14	25	1.0	.	.	1.0
Asgrow	AG6534	**29.3**	10	31.0	10/16	20	1.0	.	.	1.0
Armor	67-R90	.	3	41.8	10/19	30	1.0	.	.	1.0
Asgrow	AG6834	.	4	39.9	10/19	27	1.0	.	.	1.0
Dyna-Gro	S69RY34	.	6	34.9	10/17	30	1.0	.	.	1.0
Armor	61-R14	.	7	34.0	10/15	21	1.0	.	.	1.0
Public Variety	Musen	.	9	31.4	10/18	28	2.0	.	.	1.0
Average		37.7		38.6 [6]	10/17	26	1.1	.	.	1.0
LSD at 10% Level		N.S.		7.1	2	4	0.8	.	.	.
Std. Err. of Entry Mean		5.7		2.9	1	2	0.3	.	.	.
Maturity Group VII and VIII										
AgSouth	AGS Prichard RR	**44.1**	10	31.6	10/25	34	1.0	.	.	1.0
Public Variety	Santee	**43.9**	1	**48.0**	10/15	32	1.0	.	.	1.0
Public Variety	Motte	**39.5**	2	**45.7**	10/22	36	1.0	.	.	1.0
AgSouth	AGS 787 RR	**38.9**	9	34.0	10/19	29	1.0	.	.	1.0
Dyna-Gro	34RY75	**38.0**	4	40.1	10/20	31	1.0	.	.	1.0
AgSouth	AGS Woodruff	**36.5**	7	37.1	10/23	29	1.0	.	.	1.0
SS	SS 7511N R2	**30.4**	5	39.1	10/18	30	1.0	.	.	1.0
NK	S77-T7 Brand	.	3	**42.7**	10/19	33	1.0	.	.	1.0
Bayer	HBK RY7523	.	6	37.4	10/20	27	1.0	.	.	1.0
Asgrow	AG7934	.	8	36.2	10/22	33	1.0	.	.	1.0
Average		38.8		39.2 [7]	10/20	31	1.0	.	.	1.0
LSD at 10% Level		N.S.		6.8	2	N.S.	.	.	.	.
Std. Err. of Entry Mean		3.4		2.8	1	2.2	.	.	.	.

Midville, Georgia:
Dryland Soybean Variety Performance, 2014 (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 18.6% and df for EMS = 18.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 13.1% and df for EMS = 18.
8. CV = 12.2% and df for EMS = 18.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	June 5, 2014.
Harvested:	October 29, 2014.
Seeding Rate:	Nine seeds per foot in 36" rows.
Soil Type:	Clarendon sandy loam.
Soil Test:	P = High, K = Medium, and pH = 6.1.
Fertilization:	30 lb N, 50 lb P_2O_5, and 100 lb K_2O/acre.
Previous Crop:	Wheat.
Management:	Disked, field conditioned, subsoiled, and bedded; Valor, Roundup, Prowl, Reflex, Basagran, and Prefix used for weed control; Dimilin, Belt, Radiant, and Mustang Max used for insect control; Telon II used for fungal control;

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Griffin, Georgia:
Dryland Soybean Variety Performance, 2014

Company or Brand Name	Variety	2-Year Average Yield	2014 Data Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
SS	SS 5511N R2	**57.4**	2	**47.6**	10/2	32	1.2	18.6	2.8	1.0
Public Variety	Osage	**57.0**	4	**46.6**	10/6	26	1.0	15.3	2.8	1.0
Pioneer	95Y71	**56.3**	6	**44.1**	10/5	36	1.3	15.5	3.0	1.0
Terral-REV®	57R21™	**56.2**	1	**47.8**	10/6	41	2.3	16.9	3.0	1.0
Pioneer	95Y70	**54.8**	3	**47.5**	10/14	42	2.0	17.6	3.0	1.0
AgSouth	AGS 568RR	**53.4**	5	**44.3**	10/4	31	1.0	16.5	2.3	1.0
SS	LL 595N	**52.1**	8	**38.7**	10/9	30	1.0	15.4	3.3	1.0
Public Variety	Ozark	50.0	7	**39.6**	10/4	27	1.2	16.4	2.8	1.0
Bayer	HBK RY5421	44.8	10	**35.5**	10/7	28	1.0	15.5	3.0	1.0
GoSoy	5911LL	.	9	**38.3**	10/10	32	1.2	15.4	3.2	1.0
Average		53.6		43.0 [5]	10/7	33	1.3	16.3	2.9	1.0
LSD at 10% Level		4.8		N.S.[6]	4	3	0.4	1.5	0.4	.
Std. Err. of Entry Mean		2.2		3.5	1	1	0.2	0.6	0.2	.
Maturity Group VI										
SS	SS 6810N R2	**55.9**	2	**54.4**	10/20	34	1.5	18.0	1.7	1.0
Dyna-Gro	S65RY73	**55.8**	1	**55.3**	10/18	31	1.7	15.9	2.2	1.0
NK	S67-R6 Brand	**55.5**	7	**50.9**	10/20	36	1.5	20.0	1.7	1.0
SS	6713N R2	**54.9**	6	**51.7**	10/18	30	1.0	17.6	1.5	1.0
Asgrow	AG6534	**51.5**	9	46.7	10/21	30	1.0	16.6	2.0	1.0
Armor	61-R14	.	3	**53.3**	10/17	28	1.0	16.1	1.8	1.0
Armor	67-R90	.	4	**53.1**	10/21	34	1.2	17.9	1.7	1.0
Dyna-Gro	S69RY34	.	5	**52.0**	10/20	42	1.7	17.1	1.7	1.0
Asgrow	AG6834	.	8	46.9	10/20	30	1.3	19.5	1.5	1.0
Public Variety	Musen	.	10	44.8	10/20	32	2.2	16.1	1.5	1.0
Average		54.7		50.9 [7]	10/19	33	1.4	17.5	1.7	1.0
LSD at 10% Level		N.S.		5.7	N.S.	4	0.5	0.9	0.4	.
Std. Err. of Entry Mean		2.2		2.3	1	2	0.2	0.4	0.2	.
Maturity Group VII and VIII										
AgSouth	AGS Woodruff	**51.6**	5	**44.8**	11/7	25	1.7	18.6	1.7	1.0
Dyna-Gro	34RY75	**50.6**	8	**41.3**	11/7	27	2.5	15.4	1.2	1.0
SS	SS 7511N R2	**49.4**	4	**45.4**	11/5	27	1.2	18.6	1.0	1.0
Public Variety	Motte	**49.0**	1	**48.2**	11/7	29	2.3	16.8	1.8	1.0
AgSouth	AGS Prichard RR	**47.7**	7	**41.7**	11/9	26	1.5	15.3	1.3	1.0
Public Variety	Santee	**45.4**	9	39.0	11/6	26	1.0	16.8	1.3	1.0
AgSouth	AGS 787 RR	**42.3**	10	29.5	11/6	24	1.8	15.5	1.8	1.0
Bayer	HBK RY7523	.	2	**46.4**	11/5	23	1.2	16.5	2.0	1.0
Asgrow	AG7934	.	3	**45.5**	11/8	26	1.2	17.3	2.0	1.0
NK	S77-T7 Brand	.	6	**43.4**	11/6	29	1.2	15.2	1.2	1.0
Average		48.0		42.5 [8]	11/6	26	1.6	16.6	1.5	1.0
LSD at 10% Level		N.S.		7.4	2	2	0.8	0.4	0.3	.
Std. Err. of Entry Mean		1.9		3.0	1	1	0.3	0.2	0.1	.

Griffin, Georgia:
Dryland Soybean Variety Performance, 2014 (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 14.1% and df for EMS = 18.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 7.9% and df for EMS = 18.
8. CV = 12.4% and df for EMS = 18.

Bolding within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted:	Maturity Groups V and VI - May 20, 2014. Maturity Group VII and VIII - June 23, 2014.
Harvested:	Maturity Group V - October 24, 2014. Maturity Group VI - November 3, 2014. Maturity Group VII and VIII - November 20, 2014.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Cecil clay loam.
Soil Test:	P = High, K = High, and pH = 6.7.
Fertilization:	30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Maturity Groups V and VI - Chisel plowed, disked, and rototilled; Lasso, Classic, and one cultivation used for weed control; Karate used for insect control; Domark used for fungal control. Maturity Group VII and VIII - Chisel plowed, disked, and rototilled; Lasso, Classic, Blazer, Basagran, and one cultivation used for weed control; Domark used for fungal control.

Test conducted by H. Jordan and G. Ware.

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2014

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern[1]	Peanut[2]	Javanese[3]	Race 3[4]	Race 9[5]
		---------- rating[6] ----------			----- reaction[7] -----	
AgSouth	AGS 533 LL	5.0	4.0	2.5	R	R
AgSouth	AGS 568 RR	1.0	3.5	5.0	R	R
AgSouth	AGS 738 RR	1.0	3.5	4.8	R	R
AgSouth	AGS 787 RR	1.3	1.5	1.5	R	S
AgSouth	AGS 828 RR	1.0	2.5	5.0	R	R
AgSouth	AGS Prichard RR	1.3	4.0	4.5	R	R
AgSouth	AGS Woodruff	1.3	4.5	5.0	R	S
AR	R05-374	3.8	3.3	3.5	S	S
AR	UA 5213C	4.8	3.5	4.0	R	R
AR	UA 5612	4.0	3.3	4.8	S	S
Armor	49-R56	5.0	1.5	1.8	R	R
Armor	50-R44	4.8	3.3	4.5	R	R
Armor	51-R50	3.8	5.0	4.8	S	S
Armor	53-R16	2.3	4.0	4.5	R	S
Armor	55-R22	2.0	1.8	2.0	S	S
Armor	61-R14	1.0	2.3	5.0	S	S
Armor	67-R90	2.0	3.8	3.3	S	S
Armor	AX4490	4.0	3.5	4.5	R	R
Armor	AX4520	4.8	5.0	4.5	S	S
Armor	AX4550	5.0	4.3	2.5	R	R
Armor	AX4700	1.3	4.0	3.3	S	S
Armor	AX4750	1.0	3.5	4.5	S	S
Armor	AX4770	3.3	5.0	4.3	S	S
Asgrow	AG5535	1.0	2.5	3.0	S	S
Asgrow	AG5935	1.0	3.8	4.0	S	S
Asgrow	AG6534	2.3	2.8	3.0	S	S
Asgrow	AG6834	1.0	4.8	4.8	R	S
Asgrow	AG7535	1.3	4.5	4.5	S	S
Asgrow	AG7934	1.0	4.0	3.5	S	S
Bayer	HBK LL4850	5.0	4.0	4.8	S	R
Bayer	HBK LL4950	4.0	3.3	4.3	S	S
Bayer	HBK LL4953	5.0	2.3	3.3	R	S
Bayer	HBK RY5221	4.0	5.0	4.8	S	S
Bayer	HBK RY5421	4.5	3.0	2.8	S	S
Bayer	HBK RY7523	2.3	3.8	4.8	S	S
Croplan Genetics	R2C6764	1.0	2.8	4.8	S	S
Croplan Genetics	R2C7094	1.3	4.8	4.3	S	S
Dyna-Gro	34RY75	1.0	3.8	5.0	R	R
Dyna-Gro	39RY57	1.3	3.8	4.8	S	S
Dyna-Gro	556RY84	4.0	4.0	4.8	R	R
Dyna-Gro	S65RY73	2.3	3.5	2.5	R	R
Dyna-Gro	S69RY34	1.3	3.3	4.0	S	S
Dyna-Gro	S74RY15	1.3	2.8	2.5	S	S
Dyna-Gro	S77RY85	4.5	4.5	5.0	S	S
Dyna-Gro	S79RY05	1.3	3.5	1.5	S	S

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2014 (Continued)

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern[1]	Peanut[2]	Javanese[3]	Race 3[4]	Race 9[5]
		---------- rating[6] ----------			----- reaction[7] -----	
Dyna-Gro	SX14867R	1.0	3.3	4.3	S	S
GoSoy	5911LL	3.8	4.8	3.0	S	S
NK	S52-Y2 Brand	1.0	1.0	4.0	R	R
NK	S55-Q3 Brand	1.0	1.0	1.8	R	R
NK	S59-V9 Brand	1.0	1.0	1.3	R	R
NK	S67-R6 Brand	4.8	4.5	4.5	R	R
NK	S74-M3 Brand	1.0	1.0	4.5	S	S
NK	S77-T7 Brand	1.5	4.3	4.3	R	R
Pioneer	95Y70	1.0	4.3	5.0	S	S
Pioneer	95Y71	1.3	5.0	5.0	S	S
Pioneer	P52T86R	1.3	4.3	4.0	R	R
Pioneer	P54T94R	1.3	4.3	4.8	R	R
Public Variety	Cook	3.0	4.8	5.0	S	S
Public Variety	Motte	1.5	2.8	2.5	R	S
Public Variety	Musen	1.0	4.8	4.8	R	R
Public Variety	OSAGE	3.8	3.8	2.8	S	S
Public Variety	OZARK	4.8	4.5	5.0	S	S
Public Variety	Santee	1.3	4.8	4.8	R	S
SC	SC03-062	5.0	4.8	4.8	R	S
SC	SC04-306	1.0	4.5	5.0	S	S
SC	SC04-375	1.0	2.8	3.8	S	S
SC	SC04-386RR	1.3	3.5	5.0	R	S
SC	SC06-301RR	1.0	4.3	4.5	R	S
SC	SC07-108	1.0	4.5	5.0	R	R
SC	SC07-1490RR	1.0	2.5	4.3	R	S
SC	SC07-1518RR	1.0	4.3	5.0	R	S
SC	SC07-676RR	1.3	4.3	5.0	R	S
SC	SC07-786RR	1.3	4.5	4.0	R	S
SS	5513N R2	5.0	4.8	4.8	R	R
SS	5711N R2	1.0	5.0	4.8	S	S
SS	5911N R2	1.0	4.3	3.0	S	S
SS	6713N R2	1.3	4.0	3.3	S	S
SS	LL 595N	4.8	4.8	4.8	S	S
SS	SS 5511N R2	1.5	3.8	3.8	S	S
SS	SS 6810N R2	1.0	3.5	4.0	S	S
SS	SS 7511N R2	2.8	4.8	4.8	R	S
Terral-REV®	55R53™	4.8	3.5	4.8	R	MR
Terral-REV®	56R63™	2.0	4.8	4.8	R	R
Terral-REV®	57R21™	1.5	4.8	5.0	S	S
Terral-REV®	73R74™	1.5	4.0	5.0	S	S
UGA	G08-3279RR	1.0	4.5	4.8	R	S
UGA	G08-4200RR	1.0	4.0	4.5	R	S
UGA	G10-3429 RR	1.3	4.8	5.0	R	S
UGA	G10-3833 RR	1.0	3.3	2.3	R	S
UGA	G10-3913R2	1.0	2.5	3.0	R	S

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2014 (Continued)

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern[1]	Peanut[2]	Javanese[3]	Race 3[4]	Race 9[5]
		---------- rating[6] ----------			----- reaction[7] -----	
UGA	G10PR-224R2	1.0	1.5	2.8	R	S
UGA	G10PR-3954R2	1.0	3.8	1.0	R	S
UGA	G10PR-56264R2	1.0	2.8	1.5	S	S
UGA	G10PR-56444R2	1.0	4.5	5.0	S	S
UGA	G10PR-86R2	1.0	3.5	1.0	R	R
UGA	G11PR-209R2	1.0	3.3	1.0	R	R
UGA	G11PR-407R2	1.0	3.3	1.5	R	S
UGA	G11PR-418R2	1.0	3.8	3.0	R	S
UGA	G11PR-56151R2	1.0	4.0	4.5	R	S
UGA	G11PR-56158R2	1.3	2.0	2.0	S	S
UGA	G11PR-56238R2	1.0	2.5	1.0	R	R
UGA	G12PR-54R2	1.0	1.8	3.0	R	R
UGA	G12PR-63R2	1.0	1.5	1.0	R	R
UGA	G12PR-7R2	1.0	1.5	2.0	R	S
US Seeds	Halo 4:94	5.0	3.3	3.0	S	S
US Seeds	Halo 4:95	4.0	5.0	5.0	R	S
US Seeds	Halo 4:97	1.5	3.3	1.8	S	S
US Seeds	Halo 5:01	5.0	2.8	1.8	S	S
US Seeds	Halo 5:25	4.8	4.3	2.8	S	S
US Seeds	Halo 5:26	2.8	4.5	4.8	S	S
US Seeds	Halo 5:45	5.0	4.8	4.8	S	S
US Seeds	Halo X449	2.3	3.8	1.3	R	R
US Seeds	Halo X451	5.0	4.0	4.0	S	S
US Seeds	Halo X452	5.0	4.5	4.3	S	S
USG	77S13R	1.3	4.8	4.5	S	S
USG	77S40R2	1.3	3.3	3.8	S	S
USG	77S63R	2.3	3.5	2.5	S	S
USG	78S04R	1.3	3.0	2.8	S	S
Check Varieties	AGS Benning	1.0	4.0	3.3	R	S
	Boggs	1.0	2.0	1.5	R	S
	Bossier	5.0	4.3	2.5	S	S
	CNS	5.0	5.0	5.0	S	S
	G93-9009	1.0	1.0	1.0	R	R
	G93-9106	1.0	1.0	1.0	R	R
	GaSoy17	4.5	4.8	5.0	S	S
	Hagood	1.3	4.3	4.8	R	S
	Hartwig	1.3	3.8	3.8	R	R
	Haskell	1.5	2.0	2.3	S	S
	Prichard	1.0	4.5	4.8	R	R
	LSD (0.10)	0.8	1.1	0.8		

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2014 (Continued)

1. *Meloidogyne incognita*
2. *Meloidogyne arenaria*
3. *Meloidogyne javanica*
4. The cyst indices on the differentials were: Peking = 0(-), Pickett = 0(-), PI88788 = 0(-), PI90763 = 0(-)
5. The cyst indices on the differentials were: Peking = 80(+), Pickett = 84(+), PI88788 = 0(-), PI90763 = 4(-)
6. Rating: 1 (few galls) to 5 (many galls).
7. Reaction: R = Resistant (generally < 10% of females or cysts per plant).
   MR = Moderate Resistance (generally 10 to 20% of females or cysts per plant).
   S = Susceptible (generally > 20% of females or cysts per plant).

Ratings for soybean cyst nematode and root-knot nematode provided by S.L. Finnerty, J.P. Noe, G.E. Bishop, E.D. Wood, and Z. Li.

Sources of Seed for the 2014 Soybean Variety Tests

Brand or Variety Name	Company and Address
AgSouth, GoSoy	AGSouth Genetics, LLC, PO Box 72246, Albany, GA 31708-2246.
AR	University of Arkansas, 115 Plant Science Bldg., Fayetteville, AR 72701.
Armor	Armor Seed, PO Box 9, Hwy 49, Waldenburg, AR 72475.
Asgrow	Monsanto Company, 800 North Lindbergh Blvd., St. Louis, MO 63167
Bayer	Bayer CropScience, 607 East 44th Street, Tifton, GA 31794.
Croplan Genetics	Winfield Solutions, LLC, 2281 County Road 33, Killen, AL 35645.
Dyna-Gro	CPS Dyna-Gro Seed, 114 W. 12th Street, Suite D, Tifton, GA 31974.
NK	Syngenta Seeds, Inc., 149 Fairethorne Drive, Leesburg, GA 31763.
Pioneer	Dupont Pioneer, 59 Greif Parkway, Suite 200, Delaware, OH 43015.
SC	Clemson University, Pee Dee REC, 2200 Pocket Road, Florence, SC 29506.
SS	Southern States Coop, 6606 West Broad Street, Richmond, VA 23230
Terral-REV®	Terral Seed, Inc., 111 Ellington Drive, Rayville, LA 71269.
UGA	University of Georgia, CAGT, 111 Riverbend Road, Athens, GA 30602.
USG	UniSouth Genetics, Inc., 3205-C Hwy 49 South, Dickson, TN 37055.
US Seeds	U.S. Seeds, LLC, 2528 Alexander Drive, Jonesboro, AR 72401
Public Varieties	
Cook	Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605.
Motte, Musen, Santee	Clemson University Pee Dee REC, 2200 Pocket Road, Florence, SC 29506.
Osage, Ozark	University of Arkansas, 115 Plant Science Bldg., Fayetteville, AR 72701

GRAIN SORGHUM

Tifton, Georgia:
Grain Sorghum Hybrid Performance, 2014, Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Disease[3]
		bu/acre	bu/acre	lb/bu	days	in	%	rating
Sorghum Partners	SP6929	**140.2**	.	60.7	63	42	0	1.7
Pioneer	84P80	122.1	**136.1**	60.1	63	47	0	2.0
Sorghum Partners	X445	120.3	114.2	60.1	66	40	0	1.7
Sorghum Partners	K35-Y5	113.8	106.5	57.3	58	37	0	2.7
DeKalb	DKS53-53	112.1	.	60.8	64	47	0	2.7
Gayland Ward	EXP 9010	110.3	.	59.9	66	46	0	1.7
Sorghum Partners	X446	109.8	.	61.7	64	36	0	2.0
Gayland Ward	GW 1160	106.7	.	54.0	60	41	0	2.0
Sorghum Partners	NK6638	100.8	115.0	59.9	64	42	0	1.3
Sorghum Partners	SP3425	100.4	97.2	55.1	56	37	0	2.3
Dyna-Gro	GX13231	98.2	.	56.1	62	41	0	2.7
SS	SS 655	93.8	**120.9**	58.0	63	43	0	2.7
Athens	103	93.3	.	54.5	76	49	0	2.3
Pioneer	83P17	91.2	107.5	55.5	68	47	0	1.0
Gayland Ward	GW 9417	89.5	116.2	60.4	64	45	0	2.3
Sorghum Partners	NK7633	87.9	106.2	57.1	62	47	0	1.7
Sorghum Partners	NK8828	86.9	95.3	59.7	72	47	0	1.3
Sorghum Partners	X840	86.4	110.5	63.2	72	53	0	1.0
Southern States	SS 840	83.0	.	60.2	65	41	0	1.7
Dyna-Gro	M77GB52	79.2	94.0	63.6	66	49	0	1.3
Sorghum Partners	NK8416	78.9	102.9	58.0	69	49	0	1.3
Dyna-Gro	M77GR61	78.7	101.6	54.2	70	43	0	2.0
Sorghum Partners	NK266	78.5	102.0	58.0	57	48	0	2.0
Sorghum Partners	NK7829	77.4	91.1	57.8	71	42	0	2.3
SS	SS800	74.8	97.4	49.0	62	42	0	2.3
Sorghum Partners	NK8817	70.7	96.8	58.0	74	53	0	1.7
Sorghum Partners	NK8831	58.6	76.6	58.0	73	41	0	1.3
Sorghum Partners	KS310	58.5	75.2	39.9	53	42	0	1.7
Sorghum Partners	SP7868	56.0	87.6	63.7	67	45	0	2.0
Athens	104	53.9	.	58.0	70	46	0	1.7
Sorghum Partners	X742	47.9	80.3	58.0	65	46	0	1.3
Average		89.0 [4]	101.4	57.8	65	44	0	1.9
LSD at 10% Level		14.4	16.4	3.2	2	5	.	0.7
Std. Err. of Entry Mean		6.1	7.0	1.3	1	2	.	0.3

Tifton, Georgia:
Grain Sorghum Hybrid Performance, 2014, Nonirrigated
(Continued)

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Rated 1 = resistant to 5 = susceptible to foliar diseases.
4. CV = 11.8% and df for EMS = 60.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	May 5, 2014.
Harvested:	August 25, 2014.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Tifton sandy loam.
Soil Test:	P = High, K = Medium, and pH = 6.2.
Fertilization:	Preplant: 62 lb N, 40 lb P_2O_5, and 70 lb K_2O/acre. Sidedress: 125 lb N/acre.
Previous Crop:	Wheat.
Management:	Disked, subsoiled and bedded, and rototilled; Atrazine, Prowl, and Layby Gramoxone used for weed control.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Tifton, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2014
Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Disease[3]
		bu/acre	bu/acre	lb/bu	days	in	%	rating
Pioneer	84P80	**111.1**	**109.3**	55.2	58	44	1	2.3
Dyna-Gro	M77GB52	**102.8**	**105.0**	55.7	56	49	0	1.5
Sorghum Partners	SPX3675	**102.8**	.	46.5	53	45	6	3.9
Sorghum Partners	NK7633	**99.4**	**99.0**	57.3	54	48	0	1.8
Sorghum Partners	NK8817	96.3	**97.6**	55.4	55	58	0	1.5
Sorghum Partners	SP3425	95.6	**84.9**	52.8	50	36	0	3.4
Sorghum Partners	NK266	95.0	**87.5**	50.0	52	47	1	2.0
Sorghum Partners	SP6929	93.8	.	54.8	59	44	0	1.8
SS	SS800	93.3	**89.6**	54.5	53	47	1	3.0
Gayland Ward	GW 1160	92.2	.	49.4	54	44	0	2.5
Sorghum Partners	SPX3680	91.1	.	51.4	55	49	0	2.8
Sorghum Partners	X742	90.8	**79.1**	52.0	56	48	0	2.5
Pioneer	83P17	89.9	**104.4**	54.7	58	46	0	1.3
Sorghum Partners	K35-Y5	89.9	**80.6**	50.9	51	39	0	3.3
Sorghum Partners	NK8416	88.2	**98.4**	56.7	60	49	0	1.3
Gayland Ward	GW 9417	88.1	**68.2**	53.9	58	46	1	3.0
Dyna-Gro	M77GR61	85.1	**93.5**	52.6	59	51	0	2.0
Sorghum Partners	SPX3550	82.6	.	52.4	55	40	0	2.8
SS	SS 655	82.5	**77.9**	53.8	57	46	3	3.5
Sorghum Partners	SPX3678	82.0	.	48.6	56	46	1	3.0
Sorghum Partners	X446	81.1	.	55.1	59	41	0	2.8
DeKalb	DKS53-53	81.0	.	54.7	59	46	0	2.8
Sorghum Partners	NK6638	80.2	**87.2**	57.3	57	47	0	1.3
Sorghum Partners	SP7868	79.8	**91.9**	58.3	60	46	0	1.5
Sorghum Partners	NK7829	78.5	**82.4**	55.5	59	47	0	2.3
Athens	102	78.2	.	50.2	59	47	0	2.3
Sorghum Partners	X840	77.9	**100.6**	55.1	61	53	0	1.3
Sorghum Partners	NK8828	77.5	**91.6**	55.6	60	47	0	1.8
Sorghum Partners	KS310	77.3	**78.4**	44.7	45	40	0	2.3
Dyna-Gro	GX13231	75.2	.	51.3	56	45	0	4.0
Southern States	SS 840	74.1	.	58.3	59	47	0	1.3
Sorghum Partners	NK8831	71.1	**82.5**	54.4	59	40	0	2.0
Sorghum Partners	X445	69.9	**82.2**	51.9	61	43	0	2.3
Gayland Ward	EXP 9010	67.6	.	53.1	57	48	8	3.3
Athens	101	58.0	.	58.4	57	42	0	1.0
Average		85.1 [4]	89.6	53.5	56	46	1	2.3
LSD at 10% Level		12.0	N.S.[5]	2.4	1	4	3	0.7
Std. Err. of Entry Mean		5.1	4.3	1.0	1	1	1	0.3

Tifton, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2014
Nonirrigated (Continued)

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Rated 1 = resistant to 5 = susceptible to foliar diseases.
4. CV = 12.0% and df for EMS = 102.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	June 11, 2014.
Harvested:	September 12, 2014.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Tifton sandy loam.
Soil Test:	P = High, K = Medium, and pH = 6.2.
Fertilization:	Preplant: 62 lb N, 40 lb P_2O_5, and 70 lb K_2O/acre. Sidedress: 125 lb N/acre.
Previous Crop:	Wheat.
Management:	Disked, subsoiled and bedded, and rototilled; Dual Magnum, Atrazine, and Prowl used for weed control; Lorsban used for insect control.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Grain Sorghum Hybrid Performance, 2014, Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Disease[3]
		bu/acre	bu/acre	lb/bu	days	in	%	rating
Sorghum Partners	SP3425	**75.0**	47.6	57.0	57	29	1	2.3
Dyna-Gro	M77GR61	**70.7**	48.5	52.4	71	42	6	2.8
Sorghum Partners	NK7633	**69.6**	54.4	54.2	65	38	0	2.0
DeKalb	DKS53-53	**69.1**	.	57.9	69	40	1	2.0
Sorghum Partners	NK6638	**67.8**	**61.9**	57.1	68	40	2	2.3
Sorghum Partners	X742	**67.8**	43.0	58.4	67	37	1	2.3
Sorghum Partners	SP6929	**67.7**	.	59.2	69	40	2	2.0
Athens	104	**67.7**	.	57.0	69	42	4	2.3
Sorghum Partners	NK7829	**67.5**	47.5	59.4	78	47	25	3.5
Dyna-Gro	M77GB52	**67.0**	**59.8**	55.3	66	36	4	2.5
Sorghum Partners	X840	**67.0**	**66.7**	61.3	80	51	12	2.8
Sorghum Partners	SP7868	66.7	**58.9**	61.2	70	40	6	2.0
SS	SS800	66.3	52.3	51.7	66	35	0	2.0
Sorghum Partners	X445	66.1	43.1	58.7	72	40	2	2.8
Pioneer	84P80	65.5	45.4	59.7	67	38	2	1.8
Sorghum Partners	NK8817	64.6	54.2	61.0	81	54	11	3.3
Pioneer	83P17	64.5	**57.1**	59.1	73	43	2	1.5
Dyna-Gro	GX13231	60.2	.	57.8	63	40	3	2.0
Sorghum Partners	NK8416	59.8	**62.2**	60.4	74	49	6	3.0
Gayland Ward	GW 1160	59.2	.	57.0	59	34	0	2.0
Sorghum Partners	KS310	58.9	42.0	57.0	53	32	1	2.0
Sorghum Partners	X446	58.1	.	57.0	63	35	1	1.8
Sorghum Partners	K35-Y5	56.6	33.5	57.0	57	31	0	2.0
Southern States	SS 840	56.3	.	57.0	65	39	1	2.0
SS	SS 655	55.9	36.1	54.6	67	35	0	1.8
Sorghum Partners	NK8828	55.4	45.4	58.2	82	41	3	2.8
Sorghum Partners	NK8831	54.3	42.6	57.1	81	40	11	3.3
Gayland Ward	EXP 9010	53.1	.	57.0	73	44	26	3.0
Gayland Ward	GW 9417	52.8	37.6	48.5	69	38	2	1.5
Sorghum Partners	NK266	50.8	39.9	57.0	61	39	2	1.8
Athens	103	40.6	.	57.1	80	49	33	4.0
Average		62.0 [4]	49.1	57.2	69	40	5	2.3
LSD at 10% Level		8.0	11.4	1.7	3	4	6	0.6
Std. Err. of Entry Mean		3.4	4.8	0.7	1	1	2	0.3

Plains, Georgia:
Grain Sorghum Hybrid Performance, 2014, Nonirrigated
(Continued)

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Rated 1 = resistant to 5 = susceptible to foliar diseases.
4. CV = 11.0% and df for EMS = 90.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	May 9, 2014
Harvested:	September 11, 2014.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Faceville sandy loam.
Soil Test:	P = Low, K = Medium, and pH = 6.5.
Fertilization:	Preplant: 20 lb N, 88 lb P_2O_5, and 24 lb K_2O/acre. Sidedress: 50 lb N/acre.
Previous Crop:	Cotton.
Management:	Disked, chisel plowed, bedded, and rototilled; Atrazine and Dual Magnum used for weed control; Lorsban used for insect control.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2014, Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Disease[3]	Bird Damage[4]	Midge[5]
		bu/acre	bu/acre	lb/bu	days	in	%	rating	%	rating
Pioneer	83P17	**51.7**	**50.0**	50.9	62	44	0	2.0	1	1
SS	SS800	**48.5**	**44.3**	48.0	55	41	6	3.0	1	2
SS	SS 655	**47.8**	**40.7**	55.8	55	40	21	3.3	1	2
Dyna-Gro	M77GR61	**46.6**	**41.3**	45.3	60	49	11	2.8	1	1
Sorghum Partners	NK7633	46.0	**48.0**	50.6	56	43	1	2.8	0	2
DeKalb	DKS53-53	45.3	.	50.9	61	42	0	1.5	0	1
Dyna-Gro	GX13231	44.3	.	54.7	59	43	0	1.8	1	1
Sorghum Partners	SP6929	44.3	.	56.3	59	44	26	3.5	0	2
Athens	102	43.8	.	47.6	60	41	0	2.3	0	2
Sorghum Partners	SPX3680	43.4	.	44.1	57	41	1	2.5	1	1
Sorghum Partners	NK6638	42.5	**52.3**	55.4	55	42	11	2.8	1	2
Dyna-Gro	M77GB52	42.2	**49.4**	52.8	56	45	2	3.6	0	1
Sorghum Partners	X742	41.3	**38.3**	54.0	55	44	9	3.0	1	1
Pioneer	84P80	41.1	**40.7**	50.3	62	42	0	1.8	1	3
Sorghum Partners	NK8828	41.1	**29.8**	49.4	65	45	0	1.3	1	1
Sorghum Partners	SPX3678	40.8	.	44.1	56	41	11	2.8	0	1
Sorghum Partners	SP3425	40.6	**36.6**	50.3	52	34	1	3.0	1	2
Sorghum Partners	X840	40.2	**51.5**	50.3	65	51	0	1.8	1	1
Athens	101	39.8	.	50.3	58	44	1	2.3	1	1
Sorghum Partners	X445	39.5	**42.4**	47.4	62	39	1	2.3	0	2
Sorghum Partners	SPX3550	39.5	.	55.0	58	37	2	3.3	0	0
Gayland Ward	GW 9417	39.3	**38.2**	50.3	61	44	5	3.0	0	1
Sorghum Partners	NK7829	39.0	**31.8**	53.0	61	45	3	2.5	1	1
Sorghum Partners	KS310	38.9	**38.3**	50.3	48	37	13	2.5	1	2
Sorghum Partners	SP7868	38.7	**45.6**	50.3	61	43	3	2.5	0	1
Sorghum Partners	NK8817	37.5	**42.2**	50.3	65	49	1	1.8	1	2
Gayland Ward	EXP 9010	36.6	.	50.3	59	42	13	3.3	1	2
Sorghum Partners	K35-Y5	35.7	**34.0**	50.3	52	38	4	3.0	0	1
Southern States	SS 840	35.7	.	50.3	57	40	0	2.3	0	1
Sorghum Partners	NK266	35.1	**44.1**	50.3	54	43	24	3.3	1	1
Sorghum Partners	NK8831	34.9	**38.6**	50.3	61	38	2	3.3	1	1
Gayland Ward	GW 1160	34.1	.	50.3	57	37	17	3.3	1	3
Sorghum Partners	NK8416	33.1	**45.6**	50.3	60	45	1	2.3	0	1
Sorghum Partners	X446	31.1	.	50.3	58	37	0	2.8	1	2
Sorghum Partners	SPX3675	23.4	.	50.3	51	37	80	4.2	1	2
Average		40.1 [6]	42.0	50.6	58	42	8	2.6	1	1
LSD at 10% Level		5.4	N.S.[7]	1.6	2	3	11	0.7	1	1
Std. Err. of Entry Mean		2.3	2.5	0.7	1	1	5	0.3	1	1

Plains, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2014, Nonirrigated (Continued)

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Rated 1 = resistant to 5 = susceptible to foliar diseases.
4. Percent of grain head damaged.
5. Rated 1 = no damage to 5 = severe midge damage.
6. CV = 11.5% and df for EMS = 102.
7. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, a LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	June 9, 2014.
Harvested:	September 11, 2014.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Faceville sandy loam.
Soil Test:	P =Low , K = Medium, and pH = 6.5.
Fertilization:	Preplant: 20 lb N, 88 lb P_2O_5, and 24 lb K_2O/acre. Sidedress: 50 lb N/acre.
Previous Crop:	Cotton.
Management:	Disked, chisel plowed, bedded, and rototilled; Atrazine and Dual Magnum used for weed control; Lorsban used for insect control.

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Griffin, Georgia:
Grain Sorghum Hybrid Performance, 2014, Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Bird Damage[3]
		bu/acre	bu/acre	lb/bu	days	in	%	rating
SS	SS800	**89.7**	**86.0**	50.1	69	46	0	10
Sorghum Partners	SP6929	**83.3**	.	58.7	64	49	0	13
Gayland Ward	GW 9417	**82.4**	.	59.2	69	55	0	0
Pioneer	83P17	**78.4**	**89.2**	54.1	62	51	0	3
Sorghum Partners	X742	**76.0**	**79.1**	53.5	76	49	0	10
Sorghum Partners	NK7633	**74.9**	**84.2**	53.0	73	44	0	0
Dyna-Gro	GX13231	**73.2**	.	53.1	72	49	3	13
Sorghum Partners	X445	**72.4**	**70.4**	53.0	76	44	0	0
Sorghum Partners	KS310	**71.9**	**78.6**	55.3	65	39	0	10
DeKalb	DKS53-53	69.8	.	51.8	75	53	0	3
Sorghum Partners	NK8831	69.5	**77.1**	55.3	72	42	0	5
Sorghum Partners	NK8828	69.1	**65.2**	56.5	77	46	0	0
Sorghum Partners	SP7868	68.5	**90.2**	56.5	76	43	0	3
Southern States	SS 840	67.3	.	55.5	67	49	0	5
Sorghum Partners	NK6638	66.3	**84.7**	55.7	74	48	0	3
Gayland Ward	EXP 9010	64.7	.	53.2	74	44	40	5
Sorghum Partners	K35-Y5	63.5	**64.5**	49.8	63	40	0	3
Sorghum Partners	X840	63.3	**82.9**	56.8	76	60	0	0
Athens	104	61.8	.	53.1	75	54	0	0
Sorghum Partners	X446	61.7	.	56.2	70	39	0	13
Sorghum Partners	NK8817	60.4	**70.8**	58.9	74	66	8	3
Dyna-Gro	M77GB52	56.4	**82.0**	54.3	60	45	0	3
Gayland Ward	GW 1160	54.7	.	50.5	68	38	3	5
Sorghum Partners	NK8416	54.3	**75.3**	54.3	73	60	0	0
SS	SS 655	54.0	**61.2**	55.6	73	43	0	5
Pioneer	84P80	54.0	**78.0**	55.1	70	47	5	10
Dyna-Gro	M77GR61	51.4	**59.1**	52.0	75	45	0	3
Sorghum Partners	NK266	51.3	**73.4**	55.0	67	49	20	13
Sorghum Partners	SP3425	49.5	**54.5**	53.6	66	31	0	10
Sorghum Partners	NK7829	48.6	**61.9**	56.1	75	51	10	0
Athens	103	41.0	.	54.7	78	56	13	0
Average		64.6 [4]	74.7	54.5	71	47	3	5
LSD at 10% Level		18.2	N.S.[5]	3.0	N.S.	5	9	5
Std. Err. of Entry Mean		5.4	5.3	0.9	3.2	1	3	1

Griffin, Georgia:
Grain Sorghum Hybrid Performance, 2014, Nonirrigated
(Continued)

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Percent of grain head damaged.
4. CV = 16.6% and df for EMS = 30.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	May 19, 2014.
Harvested:	September 17, 2014.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Cecil clay loam.
Soil Test:	P = Medium, K = Medium, and pH = 6.4.
Fertilization:	Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop:	Soybeans.
Management:	Chisel plowed, disked, and rototilled; Dual Magnum and Atrazine used for weed control.

Test conducted by H. Jordan and G. Ware.

Griffin, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2014
Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Bird Damage[3]
		bu/acre	bu/acre	lb/bu	days	in	%	%
Sorghum Partners	X742	**62.1**	65.8	54.3	59	38	0	15
Sorghum Partners	NK7829	**61.0**	64.2	54.3	65	44	0	6
Dyna-Gro	GX13231	**60.9**	.	52.7	62	45	0	11
Sorghum Partners	NK8831	**59.6**	**70.1**	54.2	64	29	0	6
Sorghum Partners	X840	**59.5**	**84.0**	53.7	68	59	0	13
Sorghum Partners	NK8817	**58.2**	**79.7**	52.9	64	54	0	11
Gayland Ward	GW 9417	**58.0**	.	51.7	60	42	0	16
Pioneer	83P17	**56.3**	69.1	48.8	66	45	0	14
Sorghum Partners	SP7868	**55.6**	**83.8**	57.0	64	40	0	9
Sorghum Partners	NK8828	48.6	54.4	51.2	67	41	0	0
Sorghum Partners	NK7633	48.3	68.5	57.3	61	33	0	10
Sorghum Partners	X445	46.7	65.3	55.2	63	35	0	8
Sorghum Partners	NK266	43.9	62.4	54.4	62	34	0	13
Southern States	SS 840	42.6	.	57.3	61	36	0	15
Dyna-Gro	M77GR61	41.9	54.7	51.4	62	41	0	10
Gayland Ward	EXP 9010	38.1	.	54.2	62	39	0	16
Sorghum Partners	KS310	37.3	40.7	53.7	57	31	0	56
Athens	101	36.8	.	57.0	60	38	0	19
Sorghum Partners	X446	30.6	.	57.0	60	33	0	25
Athens	102	29.8	.	53.4	61	37	0	13
Sorghum Partners	NK6638	27.4	67.9	56.9	60	38	0	20
SS	SS 655	27.4	50.9	54.6	64	36	0	8
Sorghum Partners	SPX3550	26.8	.	57.5	61	29	0	3
Sorghum Partners	SPX3680	26.3	.	54.8	62	34	0	18
Sorghum Partners	SP6929	26.1	.	59.4	62	34	0	8
SS	SS800	24.2	50.7	55.6	60	34	0	20
Gayland Ward	GW 1160	24.2	.	55.8	59	30	0	25
Dyna-Gro	M77GB52	23.9	68.3	57.2	63	36	0	13
Sorghum Partners	SP3425	18.3	37.9	56.0	59	28	0	48
Sorghum Partners	K35-Y5	17.9	33.4	54.9	58	29	0	46
Average		40.6 [4]	61.7	54.8	62	37	0	16
LSD at 10% Level		8.8	14.0	2.4	2	5	.	16.4
Std. Err. of Entry Mean		3.7	6.0	1.0	1	2	.	4.4

Griffin, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2014, Nonirrigated (Continued)

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Percent of grain head damaged.
4. CV = 18.4% and df for EMS = 87.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	July 9, 2014.
Harvested:	November 10, 2014.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Cecil sandy clay loam.
Soil Test:	P = Medium, K = High, and pH = 6.3.
Fertilization:	Preplant: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop:	Fallow.
Management:	Chisel plowed, disked, and rototilled; Dual Magnum, Atrazine and one cultivation used for weed control; Belt, Baythroid, and Dimilin used for insect control.

Test conducted by H. Jordan and G. Ware.

Grain Sorghum Hybrid Resistance to Insect and Bird Damage, 2014

Xinzhi Ni, Michael D. Toews, G. David Buntin, Joseph E. Knoll,
and Karen R. Harris-Shultz

Thirty-seven grain sorghum hybrids were evaluated for resistance to insect and bird damage in 2014 in Tifton, and a total of 10 insect pests were observed. While sorghum midge and bird damage was relatively low, sorghum webworm and aphid damage was high. Those insects in order of importance are: sugarcane aphid, sorghum webworm, sorghum midge, leaf-footed bug, fall armyworm, corn earworm, corn leaf aphid, stink bugs (southern green and brown stink bugs), and chinch bug. Diseases were of minimal importance in the experimental plots.

The hybrids were planted with four replications on May 29, 2014. The flowering date (or days to anthesis) occurred in July through early August. The flowering time (50% panicles are flowering) of the hybrids was between 43 and 61 days after planting. Fall armyworm and corn leaf aphid damage was assessed in May and June, but the data were not included because the foliar damage ratings were low. Similarly, corn earworm, leaf-footed bug, stink bug, and chinch bug populations were low after flowering, and thus those data are not included either. Sugarcane aphid, a new pest to Georgia, was first observed on the back surface of the leaves in late August. The infestations of the sugarcane aphid can be determined by the shiny honeydew deposition and sooty mold growth on the surface of lower leaves of the sorghum plants. Although the sugarcane aphid is a new sorghum pest in Georgia, it has been a serious problem in other sorghum growing areas in the southern states. Given the fact that the aphid has other perennial grass hosts for overwintering, its prevalence in Georgia in the coming years needs to be closely monitored.

Sugarcane aphid, sorghum midge, and bird damage were rated on September 7, 2014. Sugarcane aphid was rated using the following scale: Very Good (VG) = no aphid or few aphids colonizing the leaves; Good (G) = a lot of aphids without damage symptoms, but with their honeydew visible on the surface of lower leaves; Fair (F) = high aphid population with lower leaves covered with honeydew that had attracted many predators, bees and wasps. In addition, sooty mold and aphid exuviae (or whitish-caste skins) are abundant on the surface of lower leaves of a plant; and Poor (P) = dead plants caused by aphid feeding, which was also covered with sooty mold. Sorghum webworm and midge-caused grain loss was rated together according to the visual estimates of empty glumes (%) per panicle. Grain loss attributed to sorghum webworm was identified by the webworm feeding hole at the tip of an empty glume, whereas midge damage lacked a feeding hole, but had a whitish-caste skin hanging at the tip of a glume. Both sorghum webworm and midge damage was assessed in combination according to the following rating scale: Very Good (VG) = 0-15% empty glumes on any of the sorghum panicles in an experimental plot; Good (G) = a few empty glumes (16-30%) observed on a panicle; Fair (F) = 31-75% empty glumes on a sorghum panicle; and Poor (P) = majority of sorghum panicles with more than three quarters (> 75%) empty glumes. Finally, bird feeding damage on developing kernels was determined by the partial kernels, and the splattering of the kernel juice on the leaves. Bird damage was based on the following scale: Very Good (VG) = less than 10% grain loss; Good (G) = 11-25% loss; Fair (F) = 26-50% loss; and Poor (P) = greater than 50% loss of grains per panicle. In general, the bird damage could be reduced by timely harvest of the crop.

The table on page 67 shows that three hybrids (i.e., 83P17, SPX3550, and GX13231) had the least amount of aphid damage. Sorghum midge and webworm are cyclic insect pests in grain sorghum production in the southern Coastal Plain region. Damage caused by webworm is usually high on late flowering hybrids. The combined sorghum webworm and midge damage rating was high in 2014, which could be the result of dry weather conditions around the flowering time. Sorghum webworm population was much greater than the midge population in 2014, although the grain loss by the two kernel-feeding pests was rated in combination. Hybrid KS310 showed the least amount of grain loss, whereas X446 had the most grain loss caused by sorghum webworm and midge in 2014. In addition, bird damage was relatively low in general. The hybrids NK8828 and NK8831 consistently showed less bird damage than the other hybrids in both 2013 and 2014. When all ratings were combined, hybrids NK8828, KS310, and SPX3550 were identified as the best hybrids in 2014.

It is highly recommended that growers use available insect- and disease-resistant hybrids, which is one of the most economical pest management strategies for sorghum production in our region. Producers should be aware that later plantings tend to have increased insect pest pressure. In addition, the bird damage can generally be minimized by timely harvest. For further integrated insect management information, please consult with your local County Agents and/or Extension Entomologists.

This test was maintained and flowering-date data were collected by Penny Tapp, Aaron Pryor, and Tyler Lusk from the Crop Genetics and Breeding Research Unit, USDA-ARS, Coastal Plain Experiment Station, UGA-Tifton, Georgia.

Evaluation of Grain Sorghum Hybrids for Resistance to Insect and Bird Damage, 2014, Tifton, Georgia[1]

Company or Brand Name	Hybrid	Days to Anthesis[2]	Aphid Resistance[3]	Webworm and Midge Resistance[4]		Bird-feeding resistance[5]	
			2014	2014	2+ years	2014	2+ years
Athens	101	54	F	G	.	VG	.
Athens	102	60	G	G	.	G	.
Athens	103	59	F	G	.	VG	.
Athens	104	56	G	F	.	VG	.
DeKalb	DKS53-53	57	F	F	.	VG	.
Dyna-Gro	GX13231	56	VG	F	.	G	.
Dyna-Gro	GX13661	56	G	F	G	VG	G
Dyna-Gro	M77GB52	55	G	G	VG-	G	G-
Gayland Ward	EXP 9010	58	G	F	.	VG	.
Gayland Ward	GW 1160	53	G	F	.	G	.
Gayland Ward	GW 9417	56	G	F	G	VG	G
Pioneer	84P80	57	G	F	G-	VG	G
Sorghum Partners	83P17	59	VG	F	F	G	G-
Sorghum Partners	K35-Y5	48	G	G	VG-	G	G-
Sorghum Partners	KS310	43	G	VG	VG-	G	F
Sorghum Partners	NK266	50	F	F	G	G	F
Sorghum Partners	NK6638	56	G	F	G	G	G-
Sorghum Partners	NK7633	53	F	F	G-	G	G-
Sorghum Partners	NK7829	60	G	F	F	G	G-
Sorghum Partners	NK8416	59	F	F	G-	G	G-
Sorghum Partners	NK8817	60	G	F	F	VG	G
Sorghum Partners	NK8828	61	G	G	G-	VG	VG
Sorghum Partners	NK8831	58	F	F	G	VG	VG-
Sorghum Partners	SP3425	46	G	G	G	G	F
Sorghum Partners	SP6919	56	G	F	.	VG	.
Sorghum Partners	SP7868	58	G	F	G-	VG	G
Sorghum Partners	SPX3550	50	VG	G	.	G	.
Sorghum Partners	SPX3675	50	F	G	.	F	.
Sorghum Partners	SPX3678	53	F	F	.	G	.
Sorghum Partners	SPX3680	53	G	F	.	G	.
Sorghum Partners	X445	60	G	F	G-	G	G-
Sorghum Partners	X446	52	G	P	.	VG	.
Sorghum Partners	X742	55	G	F	G	G	G-
Sorghum Partners	X840	60	G	G	G	G	G-
Southern States	SS 655	55	F	F	G+	VG	G+
Southern States	SS 840	54	F	F	.	VG	.
Southern States	SS800	54	F	F	G	G	G

Evaluation of Grain Sorghum Hybrids for Resistance to Insect and Bird Damage, 2014, Tifton, Georgia[1] (Continued)

1. The test plots were maintained with irrigation.
2. Days from planting to 50% bloom.
3. Aphid resistance: Very Good (VG) = no aphid or few aphids colonizing the leaves; Good (G) = a lot of aphids without damage symptoms, but honeydew was visible on the surface of lower leaves; Fair (F) = high aphid population shown by lower leaves covered with honeydew that has attracted predators, bees and wasps. In addition, sooty mold and aphid exuviae are abundant; and Poor (P) = dead plants caused by aphid feeding, and covered with sooty mold.
4. Sorghum webworm and midge resistance: Very Good (VG) = 0-15%, Good (G) = 16-30%, Fair (F) = 31-75%, and Poor (P) = >75% glumes are without grains on a panicle.
5. Bird-feeding resistance: Very Good (VG) = less than 10% loss; Good (G) = 11-25% loss; Fair (F) = 26-50% loss; and Poor (P) = over 50% loss.

SORGHUM FOR SILAGE

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2014

Company or Brand Name	Hybrid Name or Number	Forage Yields Dry	Forage Yields Green	Plant Height	Dry Matter	2-Yr. Avg Dry Yield	Disease[1]
		--- tons/acre ---		in	%	tons/acre	rating
Gayland Ward	Ensile Master	**7.1**	**33.3**	125.0	21	**7.3**	1.3
Sorghum Partners	SS405	**6.7**	27.2	140.5	24	.	3.0
Sorghum Partners	SPX901	**6.1**	24.3	114.0	25	.	2.3
Alta Seeds	AF8301	**6.1**	26.9	75.5	23	**7.3**	1.5
Dyna-Gro	FullGraze	5.8	23.5	123.5	24	6.2	1.5
Sorghum Partners	SPX-28313	5.8	24.2	132.0	24	.	2.0
Sorghum Partners	SPX903	5.8	24.2	106.0	24	.	1.0
Coffey	Centurion bmr-6	5.6	27.7	91.5	20	**6.5**	1.3
Sorghum Partners	SPX902	5.5	22.8	112.0	24	.	1.8
Sorghum Partners	SPX3902	5.5	23.3	77.0	24	.	1.0
Alta Seeds	AF7401	5.5	23.3	68.5	24	5.7	1.8
Sorghum Partners	NK300	5.3	24.9	77.0	21	**6.7**	1.3
Sorghum Partners	SPX3903	5.2	22.4	69.0	23	.	1.3
Sorghum Partners	SD1741 BMR	5.1	15.1	89.3	35	.	1.0
Athens	HFS 1	5.1	20.6	71.5	25	.	1.3
Sorghum Partners	1990	4.9	19.3	110.0	25	**6.7**	1.3
Alta Seeds	AF7102	4.9	18.0	69.0	27	.	2.0
Sorghum Partners	X942	4.8	21.6	98.5	22	.	1.5
Gayland Ward	Dwarf Forage BMR	4.8	25.1	78.5	19	.	1.5
Sorghum Partners	SPX904	4.8	17.9	108.8	27	.	1.8
Gayland Ward	GW 400 BMR	4.8	18.3	93.0	26	5.1	2.3
Southern States	SS1515F	4.7	21.7	76.5	22	**6.5**	1.5
Sorghum Partners	X492 BMR	4.6	22.4	89.0	21	.	1.0
SS	SS2010BDF	4.5	19.4	66.5	23	5.4	1.5
Alta Seeds	AF7202	4.4	17.5	67.0	25	.	1.5
Gayland Ward	GW 600 BMR	4.4	16.4	89.8	27	.	2.0
Coffey	MaxiGain bmr-6	4.2	20.3	91.0	21	5.8	1.3
Dyna-Gro	FullGraze BMR	4.0	17.2	78.0	23	.	2.8
Alta Seeds	AF7101	3.8	15.4	72.0	25	4.2	1.5
Sorghum Partners	SPX3952	3.7	14.2	73.3	26	.	1.3
Alta Seeds	AF7201	3.6	14.0	74.8	26	4.0	1.5
Average		5.1 [2]	21.4 [3]	90.6	24	6.0	1.6
LSD at 10% Level		1.0	4.2	11.7	2	0.9	0.7
Std. Err. of Entry Mean		0.4	1.8	5.0	1	0.4	0.3

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2014
(Continued)

Company or Brand Name	Hybrid Name or Number	Forage Yields Dry	Forage Yields Green	Plant Height	Dry Matter	2-Yr. Avg Dry Yield	Disease[1]
		--- tons/acre ---		in	%	tons/acre	rating
Ratoon or Regrowth Crop							
Alta Seeds	AF8301	**3.0**	**16.6**	70.0	18	**2.9**	2.0
Athens	HFS 1	**2.9**	**17.0**	66.0	17	.	2.0
Dyna-Gro	FullGraze	**2.8**	**17.0**	104.0	17	**3.2**	1.0
Southern States	SS1515F	**2.8**	**16.0**	66.0	17	**2.7**	2.0
Gayland Ward	Dwarf Forage BMR	**2.8**	**17.7**	64.0	16	.	2.0
Sorghum Partners	SPX3902	**2.5**	**16.2**	62.0	15	.	2.0
Gayland Ward	Ensile Master	**2.5**	**18.8**	88.0	13	**2.9**	2.0
Sorghum Partners	NK300	**2.5**	**14.6**	66.0	17	**2.7**	2.0
Sorghum Partners	1990	**2.5**	**14.3**	88.7	17	**2.8**	2.8
Coffey	Centurion bmr-6	**2.4**	**16.2**	62.0	15	**3.0**	2.0
Gayland Ward	GW 600 BMR	**2.4**	**14.2**	116.0	17	.	1.0
Alta Seeds	AF7401	2.1	12.0	48.0	18	1.8	3.0
Alta Seeds	AF7101	2.1	9.6	96.0	22	2.5	2.0
Gayland Ward	GW 400 BMR	2.0	11.9	104.0	17	2.5	3.0
Sorghum Partners	SS405	2.0	13.0	104.0	16	.	3.0
Sorghum Partners	SPX901	2.0	10.8	85.0	19	.	2.8
SS	SS2010BDF	2.0	10.8	52.0	20	1.9	2.0
Sorghum Partners	SPX3952	1.9	9.8	80.0	20	.	2.0
Sorghum Partners	SPX-28313	1.9	12.5	91.5	15	.	3.0
Sorghum Partners	SPX902	1.9	11.1	95.5	17	.	2.3
Alta Seeds	AF7202	1.8	11.0	68.0	16	.	2.0
Dyna-Gro	FullGraze BMR	1.8	9.4	96.0	19	.	2.0
Sorghum Partners	X492 BMR	1.8	11.5	63.0	15	.	2.8
Sorghum Partners	SPX3903	1.7	10.7	50.0	16	.	2.0
Alta Seeds	AF7102	1.7	9.9	68.0	17	.	2.0
Alta Seeds	AF7201	1.7	8.1	96.0	20	2.1	3.0
Coffey	MaxiGain bmr-6	1.6	10.1	73.5	17	2.6	2.8
Sorghum Partners	SD1741 BMR	1.6	7.6	93.0	19	.	2.0
Sorghum Partners	SPX903	1.3	6.9	80.5	17	.	3.0
Sorghum Partners	SPX904	1.1	5.9	73.5	19	.	2.8
Sorghum Partners	X942	0.7	4.2	65.5	17	.	3.0
Average		2.0 [4]	12.1 [5]	78.6	17	2.6	2.3
LSD at 10% Level		0.8	4.6	10.3	2	0.5	0.4
Std. Err. of Entry Mean		0.3	2.0	4.4	1	0.2	0.2

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2014
(Continued)

1. Rating: 1 = resistant to 5 = highly susceptible to foliar diseases.
2. CV = 17.5% and df for EMS = 90.
3. CV = 16.7% and df for EMS = 90.
4. CV = 32.2 % and df for EMS = 90.
5. CV = 32.7% and df for EMS = 90.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	May 8, 2014.
Harvested:	August 8, 2014. Ratoon: October 2, 2014.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = Very High, K = Medium, and pH = 5.8.
Fertilization:	Preplant: 60 lb N, 0 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 135 lb N/acre, plus 50 lb N/acre after 1st harvest.
Previous Crop:	Summer annuals.
Management:	Disked, subsoiled, bedded, and rototilled; Atrazine, Prowl, and Gramoxone used for weed control; Telone Ii used for nematode control.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Griffin, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2014

Company or Brand Name	Hybrid Name or Number	Forage Yields Dry	Forage Yields Green	Plant Height	Dry Matter	2-Yr. Avg Dry Yield
		--- tons/acre ---		in	%	tons/acre
Sorghum Partners	SPX904	**7.4**	**27.7**	106.8	27	.
Sorghum Partners	SPX903	**6.8**	**25.9**	104.0	26	.
Alta Seeds	AF7202	6.3	15.9	60.8	39	.
Gayland Ward	GW 600 BMR	6.1	15.0	99.5	41	.
Sorghum Partners	SS405	5.8	21.9	117.3	27	.
Sorghum Partners	SPX901	5.8	21.8	98.3	26	.
Sorghum Partners	SPX-28313	5.6	23.3	109.3	24	.
Sorghum Partners	1990	5.4	21.7	103.8	25	**7.8**
Sorghum Partners	SD1741 BMR	5.3	14.7	107.8	36	.
Sorghum Partners	SPX902	5.3	20.5	96.5	26	.
Dyna-Gro	FullGraze	5.2	18.8	109.5	28	**7.6**
Coffey	MaxiGain bmr-6	5.2	21.8	77.8	24	6.0
Gayland Ward	GW 400 BMR	5.2	15.2	86.8	34	5.3
Sorghum Partners	NK300	5.1	13.9	62.5	37	6.6
Alta Seeds	AF7401	5.0	19.0	56.3	26	5.8
Alta Seeds	AF8301	5.0	15.3	62.0	33	6.5
Dyna-Gro	FullGraze BMR	5.0	14.2	87.8	35	.
Alta Seeds	AF7201	5.0	10.1	85.8	49	5.2
Southern States	SS1515F	4.9	14.4	60.8	34	5.9
Alta Seeds	AF7102	4.9	11.8	62.3	42	.
Coffey	Centurion bmr-6	4.8	14.4	69.0	33	5.8
Sorghum Partners	X942	4.7	19.1	83.0	24	.
SS	SS2010BDF	4.6	16.9	56.8	27	5.8
Athens	HFS 1	4.6	13.0	67.8	35	.
Sorghum Partners	SPX3952	4.6	12.0	81.5	38	.
Gayland Ward	Ensile Master	4.5	16.4	100.5	27	6.5
Alta Seeds	AF7101	4.4	8.9	80.3	49	5.1
Sorghum Partners	SPX3903	4.2	13.5	61.8	31	.
Gayland Ward	Dwarf Forage BMR	4.2	14.6	65.8	29	.
Sorghum Partners	SPX3902	3.7	12.6	70.0	29	.
Average		5.1 [1]	16.8 [2]	83.0	32	6.1
LSD at 10% Level		1.0	3.1	9.1	2	0.9
Std. Err. of Entry Mean		0.4	1.3	3.9	1	0.4

1. CV = 16.1% and df for EMS = 87.
2. CV = 15.9% and df for EMS = 87.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: May 20, 2014.
Harvested: September 2, 2014.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = High, K = High, and pH = 6.7.
Fertilization: Preplant: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Corn.
Management: Chisel plowed, disked, and rototilled; Dual Magnum used for weed control.

Test conducted by H. Jordan and G. Ware.

SUMMER ANNUAL FORAGES

Tifton, Georgia:
Evaluation of Summer Annual Forages, 2014
and Two-Year Average Yields, 2013-2014

Company or Brand Name	Hybrid Name or Number	Clipping Dates 7-15-14	Clipping Dates 9-04-14	Season Total	2-Year Average
		---------- dry matter yield - pounds per acre ----------			
Sorghum x Sudangrass					
Sorghum Partners	Trudan Headless	**9207**	**6635**	**15842**	**16568**
Gayland Ward	Super Sugar	7497	**7028**	**14525**	**16338**
Alta Seeds	AS9302	7875	**6475**	**14350**	.
Sorghum Partners	Sudan Headless	7816	**6368**	**14184**	**15373**
SS	SS-220BMR	**8669**	4911	13579	14785
Alta Seeds	AS5201	7542	**5792**	13334	**15141**
Gayland Ward	Super Sugar(DM)	**8220**	5103	13324	.
Sorghum Partners	SPX3952	7301	**5909**	13210	.
Gayland Ward	Sweet For Ever BMR	**8318**	4510	12828	13558
Coffey	ExtraGraze bmr	7276	**5474**	12751	13791
Alta Seeds	AS9301	6619	**5666**	12285	13119
Sorghum Partners	SDH 2942BMR	6338	**5785**	12123	.
Gayland Ward	Sweet Six BMR Dry Stalk	**8627**	3141	11767	12937
SS	SS130BMR	6653	5069	11721	11221
Coffey	Surpass dw (SGxS)	7079	4475	11554	12730
Dyna-Gro	705F (SGxS)	8122	3282	11404	**15236**
Alta Seeds	AS6402	6558	4772	11329	13244
Alta Seeds	AS6401	**8617**	2559	11176	12345
Dyna-Gro	F75FS28 BMR	7555	3595	11150	.
Gayland Ward	GW 300 BMR	7289	3655	10944	14095
Dyna-Gro	F75FS13	7751	2545	10297	.
Athens	SS 1	4933	3859	8792	.
Coffey	MaxiGain bmr-6	5729	2622	8351	11096
Average		7461	4749	12210 [1]	13849
LSD at 10% Level		1053	1624	2146	1648
Std. Err. of Entry Mean		446	688	910	701

Pearl Millet		Clipping Dates 7-15-14	8-14-14	9-04-14	10-02-14	Season Total	2-Year Average
SS	SS-635 DF	**5172**	**2706**	**3830**	457	**12165**	.
Coffey	Leafy 60	**4711**	**2638**	**3545**	780	**11674**	**14141**
Gayland Ward	Tifleaf 3	3919	**2598**	**3039**	**1509**	**11065**	**14085**
Athens	HPM 1	**4685**	**2387**	**3031**	580	10683	.
Coffey	Exp 40-1 bmr	4031	1510	**2451**	364	8355	10795
Average		4504	2368	3179	738	10788 [2]	13007
LSD at 10% Level		611	435	N.S.[3]	332	1247	619
Std. Err. of Entry Mean		242	173	382	132	495	246

Tifton, Georgia:
Evaluation of Summer Annual Forages, 2014
and Two-Year Average Yields, 2013-2014 (Continued)

1. CV = 14.9% and df for EMS = 66.
2. CV = 9.2% and df for EMS = 12.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	Sorghum x Sudangrass: May 8, 2014.
	Millet: June 3, 2014.
Seeding Rate:	Sorghum x Sudangrass: 150,000 seed/acre in 30" rows.
	Millet: 500,000 seed/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = Very High, K = Medium, and pH = 5.8.
Fertilization:	Preplant: 60 lb N, 0 lb P_2O_5, and 80 lb K_2O/acre.
	Sidedress Sorghum x Sudangrass: 135 lb N/acre, plus 50 lb N/acre after 1st harvest.
	Sidedress Millet: 135 lb N/acre, plus 50 lb N/acre after 1st, 2nd, and 3rd harvests.
Previous Crop:	Summer annuals.
Management:	Disked, subsoiled, bedded, and rototilled;
	Sorghum x Sudangrass; Atrazine, Prowl, and Gramoxone used for weed control;
	Millet: Atrazine and Prowl used for weed control;
	Telone II used for nematode control.

Test conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Griffin, Georgia:
Evaluation of Summer Annual Forages, 2014
and Two-Year Average Yields, 2013-2014

Company or Brand Name	Hybrid Name or Number	Clipping Dates 7-07-14	8-12-14	9-24-14	Season Total	2-Year Average
		---------- dry matter yield - pounds per acre ----------				
Sorghum x Sudangrass						
Alta Seeds	AS5201	**6689**	**4692**	**4213**	**15594**	**14989**
Sorghum Partners	Sudan Headless	**6320**	4336	**4506**	**15163**	**14120**
Gayland Ward	Super Sugar	**6396**	**4371**	3875	**14642**	**14049**
Gayland Ward	Sweet Six BMR Dry Stalk	**6548**	**4701**	3391	**14640**	13157
Dyna-Gro	705F (SGxS)	**6418**	4118	**4029**	**14565**	**13955**
Sorghum Partners	Trudan Headless	**6233**	4176	**4052**	**14461**	13703
SS	SS-220BMR	**6556**	**4625**	3125	**14306**	**14010**
Alta Seeds	AS9301	5858	**4826**	3527	**14211**	13274
Gayland Ward	Super Sugar(DM)	5785	4203	**4142**	**14130**	.
Sorghum Partners	SDH 2942BMR	**6460**	4007	3336	13803	.
Alta Seeds	AS6401	**5999**	4245	3521	13765	**14263**
Coffey	ExtraGraze bmr	**6330**	3820	2753	12903	13442
Alta Seeds	AS6402	5622	4135	2984	12742	12974
Sorghum Partners	SPX3952	5747	3901	3068	12716	.
Athens	SS 1	5456	3937	3165	12559	.
Coffey	MaxiGain bmr-6	5461	3802	3070	12334	10830
Dyna-Gro	F75FS28 BMR	**6039**	2988	3273	12300	.
Dyna-Gro	F75FS13	5553	3382	3196	12131	.
Alta Seeds	AS9302	5159	3949	2785	11893	.
Gayland Ward	Sweet For Ever BMR	5481	3077	2770	11328	10750
Coffey	Surpass dw (SGxS)	4840	3470	2671	10982	11115
Gayland Ward	GW 300 BMR	4929	2751	2317	9997	12613
SS	SS130BMR	5128	2670	1561	9360	10146
Average		5870	3921	3275	13066 [1]	12962
LSD at 10% Level		776	482	565	1468	1134
Std. Err. of Entry Mean		329	204	239	622	482
Pearl Millet						
Gayland Ward	Tifleaf 3	5605	**3899**	**4552**	**14056**	**12014**
Coffey	Leafy 60	**6328**	**3850**	**3790**	**13968**	10974
SS	SS-635 DF	5156	**4027**	**4033**	**13216**	.
Athens	HPM 1	5504	2928	2675	11106	.
Coffey	Exp 40-1 bmr	5468	3297	2203	10968	11068
Average		5612	3600	3450	12663 [2]	11352
LSD at 10% Level		647	479	833	1346	738
Std. Err. of Entry Mean		257	190	331	534	293

Griffin, Georgia:
Evaluation of Summer Annual Forages, 2014
and Two-Year Average Yields, 2013-2014 (Continued)

1. CV = 9.5% and df for EMS = 66.
2. CV = 8.4% and df for EMS = 12.

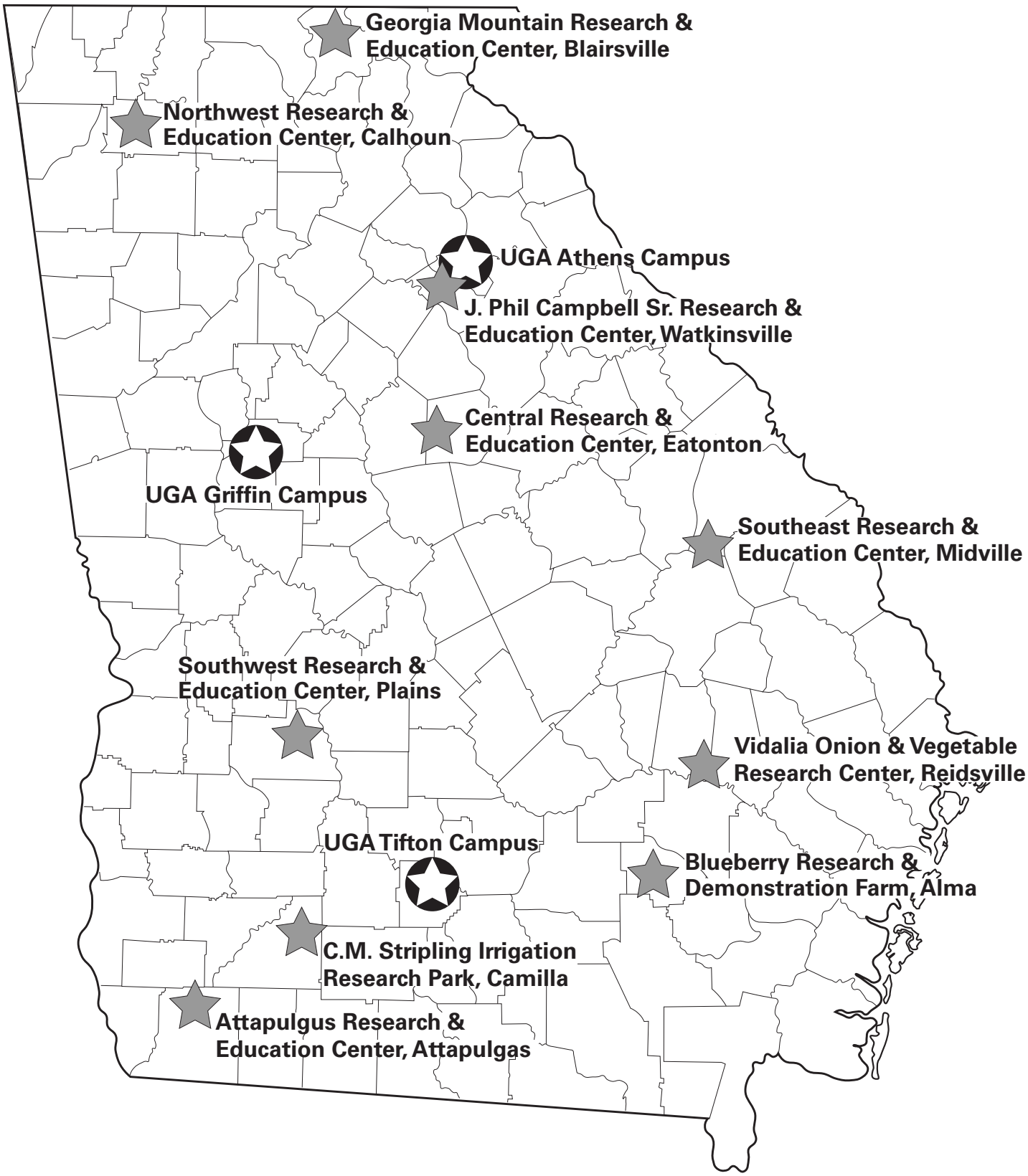
Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted:	Sorghum, x Sudangrass - May 19, 2014.
	Pearl Millet - May 14, 2014.
Seeding Rate:	Sorghum x Sudangrass: 150,000 seed/acre in 30" rows.
	Pearl Millet: 500,000 seed/acre in 30" rows.
Soil Type:	Cecil clay loam
Soil Test:	P = High, K = High, and pH = 5.6.
Fertilization:	Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre.
	Sidedress: 50 lb N/acre, plus 50 lb N/acre after 1st and 2nd harvests.
Previous Crop:	Soybeans.
Management:	Chisel plowed, disked, and rototilled; Dual Magnum and one cultivation used for weed control; Gramoxone used after first harvest for weed control; Belt, Baythroid, and Dimilin used for insect control.

Test conducted by H. Jordan and G. Ware.

Sources of Seed for the 2014 Grain Sorghum, Silage Sorghum, and Summer Annual Forages Tests

Brand or Variety Name	Company and Address
Athens	Richardson Seeds Ltd., 3095 County Road 26, Vega, TX 79092.
Alta Seeds	Advanta US, Inc., PO Box 2685, 301 South Polk, Suite #350, Amarillo, TX 79015.
Coffey	Coffey Forage Seeds, Inc., 2106 S. Date Street, Plainview, TX 79072.
DeKalb	Monsanto Company, 982 U.S. Hwy. 77, Bishop, TX 78343.
Dyna-Gro	CPS Dyna-Gro, 114 W. 12th Street, Suite D, Tifton, GA 31974.
Gayland Ward	Gayland Ward Seed Co. Inc., 4395 US Hwy 60, Hereford, TX 79045.
Pioneer	Dupont Pioneer, 59 Greif Parkway, Suite 200, Delaware, OH 43015
Sorghum Partners (Grain Sorghum)	Sorghum Partners LLC, 403 South Monroe, New Deal, TX 79350.
Sorghum Partners (Silage & Forages)	Chromatin, Inc., 8509 Venetia Avenue, Lubbock, TX 79424
SS, Southern States	Southern States Coop, PO Box 26234, 6606 West Broad Street, Richmond, VA 23260.



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