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GEORGIA

2013 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests

John D. Gassett, J. LaDon Day and Anton E. Coy, Editors

Department of Crop and Soil Sciences
Griffin Campus

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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PREFACE

This research report presents the results of the 2013 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 2013, 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 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: 2013 Corn Performance Tests (Annual Publication #101-5), 2012-2013 Small Grains Performance Tests (Annual Publication #100-5), 2012 Peanut, Cotton, and Tobacco Performance Tests (Annual Publication #104-4), and 2012-2013 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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CONTENTS

2013 SOYBEAN, SORGHUM GRAIN AND SILAGE, AND SUMMER ANNUAL FORAGES PERFORMANCE TESTS

John D. Gassett, J. LaDon Day, and Anton E. Coy, Editors

The Season

Georgia agricultural producers had not received the amount of rainfall in 2013 since 2009. 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 in the Coastal Plain was needed in May but primarily utilized in the fall months of September and October. The Limestone Valley dried out after July and remained dry until November. The Piedmont also required irrigation late in the season. Asian soybean rust was a concern for the entire state due to weather patterns capable of transporting spores, while thrips, army worms, and the soybean platispid were the predominate insect pests.

Rainfall amounts recorded monthly at the six test locations in Georgia during the 2013 growing season are presented in the following table. All locations received above average rainfall except Plains, which received one inch less than average rainfall.

2013 Rainfall[1]

Month	Athens[2]	Calhoun[3]	Griffin	Midville	Plains	Tifton
	inches					
March	3.75	4.86	3.89	3.84	4.84	3.13
April	2.92	8.80	4.70	3.89	3.16	4.44
May	4.13	6.97	5.69	1.83	2.25	2.61
June	10.59	6.26	7.32	16.17	5.24	13.31
July	9.19	6.79	8.26	4.93	7.77	5.79
August	4.87	1.56	3.66	4.78	5.91	8.71
September	3.44	2.89	2.05	1.31	2.16	3.12
October	0.67	1.42	0.93	0.70	0.36	0.63
November	2.12	4.83	1.99	0.78	2.54	3.50
Total	41.68	44.38	38.49	38.23	34.23	45.24
Normal (9 mo)*	35.92	41.54	36.40	32.60	35.23	33.55

1. Georgia data provided by Dr. Ian Flitcroft, Griffin Campus, Griffin, Ga.
2. Plant Sciences Farm.
3. Floyd County location.

The 2013 crop maturity progressed normally based on the five-year average, while harvest conditions continued to be challenging with weekly rainfall. Georgia soybean producers planted 230,000 acres this year, a 17% increase from last year. 50,000 acres of sorghum were planted in 2013, a reduction of 5,000 acres.

The state yield for soybeans was 38 bushels per acre and produced 8.36 million bushels. This was a 19% increase in soybean yield over last year due to increase in acres planted and bushels per acre produced. Grain sorghum acres harvested was 45,000 acres in Georgia this year. This is an increase of 12% from last year. Hay production increased 16% in 2013 to 2.9 tons/acre or 1.7 million tons.

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SOYBEAN

Summary of Soybean Variety Performance at Six Locations, 2013

Company/Brand	Variety	2013 Yield[1]						Statewide Average[2]	
		Athens	Calhoun	Griffin	Midville	Plains	Tifton	2013	2-Year
		bu/acre							
Maturity Group V									
AGSouth	AGS 5911LL	56.7	42.8	**70.1**	**56.2**	69.7	61.5	**59.5**	**59.4**
AR	R04-1250RR	56.3	43.1	54.0	49.5	71.1	48.7	53.8	.
AR	R04-1268RR	**59.4**	45.3	49.2	44.9	70.2	52.0	53.5	.
AR	UA 5612	**59.1**	37.8	62.7	47.5	**80.5**	44.8	55.4	**56.9**
AgSouth	AGS 533 LL	**58.2**	48.2	61.9	50.3	76.5	**63.2**	**59.7**	.
AgSouth	AGS 568RR	56.8	44.8	58.0	49.9	**79.7**	51.2	56.7	.
Armor	53-R16	**61.8**	49.1	58.0	45.9	71.6	56.5	57.2	.
Armor	53-R88	53.3	**53.1**	61.1	47.5	73.5	**68.8**	**59.5**	.
Armor	55-R22	55.1	45.0	59.9	44.8	72.1	59.6	56.1	.
Armor	X1413	**62.4**	**53.3**	60.7	47.6	63.8	**63.4**	58.5	.
Armor	X1425	52.2	37.7	58.6	46.7	75.4	48.9	53.3	.
Asgrow	AG5534	56.3	44.8	55.2	**54.3**	74.3	48.6	55.6	.
Asgrow	AG5634	57.8	40.2	51.8	48.3	68.2	61.9	54.7	.
Bayer	HBK LL4950	**64.1**	48.8	53.6	**54.0**	74.9	**65.4**	**60.1**	.
Bayer	HBK LL5350	**59.3**	50.1	**66.7**	**55.1**	72.0	58.7	**60.3**	.
Bayer	HBK RY5221	53.2	42.0	59.1	45.7	43.9	60.1	50.7	.
Bayer	HBK RY5421	**61.4**	38.6	54.8	52.1	74.7	54.4	56.0	**56.1**
Croplan Genetics	R2C5103	**59.4**	48.7	62.7	50.0	66.6	**62.3**	58.3	.
Croplan Genetics	R2C5673	**62.2**	47.9	53.4	**54.9**	**84.1**	**68.8**	**61.9**	.
Go Soy	5312 LL	54.9	46.1	57.7	49.2	73.1	57.8	56.5	.
Go Soy	5410 LL	**58.6**	48.4	**64.7**	50.2	**80.6**	56.4	**59.8**	**57.5**
Halo	5:01	**58.6**	47.9	**63.9**	**53.9**	76.1	**65.5**	**61.0**	.
Halo	5:26	56.7	50.0	**73.1**	47.1	67.7	51.9	57.7	.
Halo	5:45	**61.8**	**54.0**	63.0	**56.9**	73.4	56.5	**60.9**	.
Halo	X530	52.4	39.9	54.1	50.7	70.5	49.7	52.9	.
NK	S57-K3 Brand	**63.7**	43.6	52.0	53.1	**80.1**	**62.6**	**59.2**	.
NK	NK S52-Y2 Brand	**59.8**	**56.1**	**64.6**	**57.5**	65.6	**63.5**	**61.2**	.
Pioneer	95Y61	55.6	39.2	**68.0**	50.4	77.2	**63.1**	58.9	**59.2**
Pioneer	95Y70	56.9	41.6	52.8	52.6	78.2	48.8	55.2	**56.2**
Pioneer	95Y71	**61.5**	42.9	58.7	**56.0**	74.5	47.3	56.8	**56.7**
Pioneer	95Y80	**59.6**	48.1	55.4	51.9	74.6	59.3	58.1	.
Pioneer	P54T94R	**58.0**	48.6	**64.1**	51.9	77.6	59.7	**60.0**	.
Public Variety	NC Miller	**60.5**	49.0	**67.5**	47.6	78.2	44.5	57.9	.
Public Variety	Osage	53.6	48.3	**66.1**	48.5	68.7	44.6	55.0	**57.2**
Public Variety	Ozark	52.5	45.8	**63.6**	48.9	74.2	49.3	55.7	55.4
SS	5513N R2	**59.0**	41.5	57.4	52.3	77.0	**65.1**	58.7	.
SS	5711 R2	54.7	40.9	**65.2**	45.4	**82.9**	61.8	58.5	.
SS	5911 R2	54.6	39.0	56.6	42.2	77.7	46.4	52.8	.
SS	LL595N	51.8	49.1	**66.2**	51.8	69.7	60.0	58.1	**56.7**
SS	SS5511NR2	53.0	43.1	60.8	53.3	74.6	53.1	56.3	**56.2**
Schillinger	5220.RC	**61.3**	**54.1**	**65.9**	47.2	63.7	60.7	58.8	**59.3**
Schillinger	557.RC	50.0	44.5	55.4	43.5	71.7	55.4	53.4	**56.4**
Terral-REV®	56R21™	54.6	41.2	58.4	51.2	76.8	49.9	55.4	55.0
Terral-REV®	56R63™	**61.8**	40.3	56.2	51.8	**79.1**	**68.2**	**59.6**	**59.0**
Terral-REV®	57R21™	51.9	44.3	60.7	51.9	72.9	59.5	56.9	55.8
Terral-REV®	59R13™	52.5	44.8	**69.4**	49.1	59.7	50.9	54.4	55.5
Average		57.3	45.5	60.3	50.3	73.0	56.7	57.2	57.0
LSD at 10% Level		6.2	5.9	10.0	3.9	5.3	6.8	2.9	3.5
Std. Err. of Entry Mean		2.6	2.5	3.7	1.7	2.3	2.9	1.2	1.0

Summary of Soybean Variety Performance at Six Locations, 2013 (Continued)

Company/Brand	Variety	2013 Yield[1]						Statewide Average[2]	
		Athens	Calhoun	Griffin	Midville	Plains	Tifton	2013	2-Year
		bu/acre							
Maturity Group VI									
Armor	X1426	**59.7**	36.0	**67.8**	45.5	77.2	47.9	**55.7**	.
Armor	X1427	52.0	27.4	55.4	**58.2**	**81.4**	34.8	**51.5**	.
Asgrow	AG6534	**64.2**	34.8	**67.8**	53.9	71.1	44.8	**56.1**	.
Asgrow	AG6834	54.8	31.5	52.3	**58.8**	**81.3**	53.0	**55.3**	.
CG	3R2C67	56.2	33.5	**68.6**	**57.0**	77.8	28.1	**53.5**	.
CG	R2C6192	**62.9**	**44.1**	**62.5**	47.5	78.6	39.9	**55.9**	.
CG	R2C6810	54.0	33.5	58.7	**58.5**	73.2	**59.9**	**56.3**	57.5
Dyna-Gro	36RY68	52.1	31.6	46.4	**55.1**	74.4	51.8	**51.9**	55.9
Dyna-Gro	S61RY93	**59.5**	36.1	50.1	45.9	74.4	44.1	**51.7**	.
Dyna-Gro	S65RY73	**59.4**	38.6	57.4	49.5	**84.3**	**64.8**	**59.0**	.
Dyna-Gro	S69RY34	50.8	27.7	53.0	**57.1**	70.6	47.4	**51.1**	.
NK	S67-R6 Brand	**59.9**	37.9	57.2	**58.6**	**81.2**	**63.4**	**59.7**	**61.6**
NK	S68-D4	55.0	32.4	49.6	46.8	69.2	52.1	**50.8**	.
Public Variety	Musen	48.3	27.6	45.2	53.0	76.8	47.8	**49.8**	53.5
Public Variety	NC Roy	55.2	28.1	47.9	**54.9**	78.1	43.8	**51.3**	.
SS	6713N R2	53.0	33.4	55.6	**55.9**	75.4	34.4	**51.3**	.
SS	SS 6810NR2	53.1	34.7	56.6	54.2	74.9	**61.2**	**55.8**	57.8
Average		55.9	33.5	56.0	53.6	76.5	48.2	53.9	57.3
LSD at 10% Level		6.8	4.3	9.8	3.9	4.5	7.7	N.S.	2.4
Std. Err. of Entry Mean		2.8	1.8	4.1	1.6	1.9	3.2	1.5	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).

Summary of MG VII and VIII Soybean Variety Performance at Six Locations, 2013

Company/Brand	Variety	2013 Yield[1]						Statewide[2] Average	
		Late-Planted		Early-Planted					
		Griffin	Tifton	Athens	Midville	Plains	Tifton	2013	2-Year
		bu/acre							
Maturity Group VII and VIII									
AGSouth	AGS 828 RR	48.6	24.3	68.3	54.8	**83.2**	48.2	54.6	**58.3**
AgSouth	AGS 70R26	47.4	32.7	68.4	**57.4**	76.8	59.2	57.0	.
AgSouth	AGS 75R27	47.0	32.6	**75.3**	53.1	74.4	63.3	57.6	.
AgSouth	AGS 767 RR	42.5	**33.7**	73.9	54.1	76.3	55.1	55.9	55.0
AgSouth	AGS Prichard RR	38.6	32.6	62.0	55.2	71.2	57.0	52.8	53.5
AgSouth	AGS Woodruff	46.6	28.3	**79.6**	55.5	80.3	74.6	**60.8**	**61.5**
AgSouth	AGS787 RR	**52.2**	24.8	69.2	50.4	76.3	65.3	56.4	56.6
Armor	X1428	47.1	20.2	69.7	54.4	71.8	58.7	53.6	.
Asgrow	AG7733	45.8	**38.7**	73.1	**60.1**	**86.4**	67.6	**61.9**	**59.7**
Asgrow	AG7934	47.5	29.4	74.6	55.9	**81.9**	70.3	**59.9**	.
Bayer	HBK R7028	44.5	29.5	70.2	50.6	72.9	64.3	55.3	53.6
Bayer	HBK RY7523	48.9	28.0	73.2	55.4	66.3	59.5	55.2	.
CG	3R2C70	**57.7**	24.8	73.6	**56.8**	73.4	46.2	55.4	.
CG	R2C7390	46.4	28.5	72.3	55.3	**82.7**	66.8	**58.7**	.
Croplan Genetics	R2C7622	48.4	**40.2**	74.2	47.2	78.5	54.3	57.1	**58.1**
Dyna-Gro	34RY75	**54.6**	**39.9**	**83.4**	47.3	**81.1**	58.3	**60.8**	**61.3**
Dyna-Gro	SX13875R	**53.1**	29.1	68.4	52.0	73.4	65.8	57.0	.
NK	S74-M3 Brand	41.3	**38.8**	**79.8**	**57.4**	**86.2**	54.5	**59.7**	**58.2**
NK	S77-T7 Brand	50.4	**35.7**	68.2	50.3	**85.4**	62.6	**58.8**	**60.4**
NK	S78-G6 Brand	39.9	**34.0**	65.8	53.6	76.5	63.5	55.5	54.8
Pioneer	97M50	40.3	**33.1**	63.5	54.7	76.0	67.8	55.9	55.7
Public Variety	Cook	47.3	**33.4**	56.4	55.0	74.4	54.9	53.6	54.8
Public Variety	Motte	45.3	31.4	63.9	52.3	75.1	60.6	54.7	54.5
Public Variety	N7003CN	44.6	17.2	67.4	**59.5**	76.4	48.3	52.2	.
Public Variety	NC Raleigh	47.0	19.3	71.8	55.0	79.5	66.5	56.5	.
Public Variety	Santee	45.4	30.6	66.2	52.9	78.8	67.0	56.8	55.5
SC	SC03-062	45.6	23.3	68.2	**56.9**	75.0	68.6	56.2	**58.0**
SC	SC04-306	42.1	26.1	67.8	**57.5**	80.5	52.0	54.3	55.3
SC	SC07-108	43.2	30.1	73.0	55.9	80.3	43.5	54.3	.
SC	SC07-1518	47.8	**34.1**	72.6	**58.4**	76.3	65.0	**59.0**	.
SS	SS7511NR2	42.3	32.4	69.1	54.8	**81.6**	61.9	57.0	**58.5**
UGA	G00-3213	50.4	**37.9**	**77.2**	**56.9**	77.4	**82.8**	**63.8**	.
UGA	G00-3880	37.9	16.6	**77.0**	48.0	79.6	57.9	52.8	.
UGA	G06-3182RR	48.7	24.8	68.9	54.5	80.7	73.6	**58.5**	**59.6**
UGA	G08-3279RR	47.4	27.1	65.8	55.4	75.4	64.1	55.9	56.0
UGA	G08-4200RR	30.1	30.7	63.9	53.4	75.5	**76.0**	54.9	57.6
UGA	G08-5122RR	40.6	30.5	66.7	**56.3**	71.2	69.4	55.8	57.6
UGA	G09-3202R2	35.0	26.6	65.0	46.6	77.0	62.9	52.2	.
UGA	G10PR-224R2	38.6	**35.6**	70.9	**58.4**	**83.1**	62.8	**58.2**	.
UGA	G10PR-56248R2	46.4	27.4	69.8	54.3	70.7	64.9	55.6	56.4
UGA	G10PR-56264R2	**53.8**	**36.9**	72.0	**58.5**	**81.4**	67.1	**61.6**	.
UGA	G10PR-56330R2	33.2	30.2	63.4	55.5	75.7	74.8	55.5	.
UGA	G10PR-56444R2	44.6	**33.7**	73.6	**59.1**	**82.4**	71.0	**60.7**	.
UGA	G10PR-86R2	45.1	31.2	**78.2**	54.6	**83.3**	64.8	**59.6**	.
UGA	G12PR-6354AR2	45.3	30.8	69.1	48.3	78.0	56.4	54.7	.

Summary of MG VII and VIII Soybean Variety Performance at Six Locations, 2013 (Continued)

Company/Brand	Variety	2013 Yield[1] Late-Planted Griffin	Late-Planted Tifton	Early-Planted Athens	Early-Planted Midville	Early-Planted Plains	Early-Planted Tifton	Statewide[2] Average 2013	Statewide[2] Average 2-Year
		bu/acre							
Maturity Group VII and VIII - continued									
UGA	G12PR-6354BR2	43.6	32.9	67.3	**58.7**	78.3	58.2	56.5	.
UGA	G12PR-7R2	43.2	18.4	**77.5**	53.3	77.3	**83.1**	**58.8**	.
USG	77S13R	48.2	26.1	70.4	52.7	70.9	56.7	54.2	.
USG	77S40R2	**54.2**	28.8	73.9	54.3	79.5	55.7	57.7	56.8
USG	77S63R	**59.3**	**33.4**	69.0	53.4	76.7	61.9	**58.9**	.
Average		45.7	29.9	70.4	54.4	77.7	62.7	56.8	57.1
LSD at 10% Level		7.3	7.2	8.2	3.8	5.3	8.0	5.8	3.5
Std. Err. of Entry Mean		3.1	2.3	3.5	1.6	2.2	3.4	2.5	1.5

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, 2013

Company or Brand Name	Variety	Yield[1] South[2] 2013	South[2] 2-Year Average	North[3] 2013	North[3] 2-Year Average	Statewide[4] 2013	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group V							
AGSouth	AGS 5911LL	**62.4**	**59.5**	**56.6**	**59.3**	**59.5**	**59.4**
AR	R04-1250RR	**56.5**	.	51.1	.	53.8	.
AR	R04-1268RR	**55.7**	.	51.3	.	53.5	.
AR	UA 5612	**57.6**	**56.7**	53.2	57.1	55.4	**56.9**
AgSouth	AGS 533 LL	**63.3**	.	**56.1**	.	**59.7**	.
AgSouth	AGS 568RR	**60.3**	.	53.2	.	56.7	.
Armor	53-R16	**58.0**	.	**56.3**	.	57.2	.
Armor	53-R88	**63.3**	.	**55.8**	.	**59.5**	.
Armor	55-R22	**58.8**	.	53.3	.	56.1	.
Armor	X1413	**58.3**	.	**58.8**	.	58.5	.
Armor	X1425	**57.0**	.	49.5	.	53.3	.
Asgrow	AG5534	**59.1**	.	52.1	.	55.6	.
Asgrow	AG5634	**59.5**	.	49.9	.	54.7	.
Bayer	HBK LL4950	**64.8**	.	**55.5**	.	**60.1**	.
Bayer	HBK LL5350	**61.9**	.	**58.7**	.	**60.3**	.
Bayer	HBK RY5221	**49.9**	.	51.4	.	50.7	.
Bayer	HBK RY5421	**60.4**	**58.9**	51.6	53.3	56.0	**56.1**
Croplan Genetics	R2C5103	**59.6**	.	**56.9**	.	58.3	.
Croplan Genetics	R2C5673	**69.2**	.	54.5	.	**61.9**	.
Go Soy	5312 LL	**60.0**	.	52.9	.	56.5	.
Go Soy	5410 LL	**62.4**	**58.0**	**57.3**	57.0	**59.8**	**57.5**
Halo	5:01	**65.2**	.	**56.8**	.	**61.0**	.
Halo	5:26	**55.6**	.	**59.9**	.	57.7	.
Halo	5:45	**62.3**	.	**59.6**	.	**60.9**	.
Halo	X530	**56.9**	.	48.8	.	52.9	.
NK	S57-K3 Brand	**65.2**	.	53.1	.	**59.2**	.
NK	S52-Y2 Brand	**62.2**	.	**60.2**	.	**61.2**	.
Pioneer	95Y61	**63.6**	**63.6**	54.3	54.8	58.9	**59.2**
Pioneer	95Y70	**59.9**	**58.3**	50.4	54.1	55.2	**56.2**
Pioneer	95Y71	**59.3**	**57.0**	54.3	56.4	56.8	**56.7**
Pioneer	95Y80	**61.9**	.	54.4	.	58.1	.
Pioneer	P54T94R	**63.1**	.	**56.9**	.	**60.0**	.
Public Variety	NC Miller	**56.8**	.	**59.0**	.	57.9	.
Public Variety	Osage	**53.9**	**56.1**	**56.0**	58.2	55.0	**57.2**
Public Variety	Ozark	**57.5**	**56.5**	54.0	54.3	55.7	55.4
SS	5513N R2	**64.8**	.	52.6	.	58.7	.
SS	5711 R2	**63.3**	.	53.6	.	58.5	.
SS	5911 R2	**55.5**	.	50.1	.	52.8	.
SS	LL595N	**60.5**	**59.9**	**55.7**	53.6	58.1	**56.7**
SS	SS5511NR2	**60.3**	**56.1**	52.3	56.2	56.3	**56.2**
Schillinger	5220.RC	**57.2**	**55.9**	**60.4**	**62.6**	58.8	**59.3**
Schillinger	557.RC	**56.8**	**55.8**	49.9	56.9	53.4	**56.4**
Terral-REV®	56R21™	**59.3**	**56.2**	51.4	53.8	55.4	55.0
Terral-REV®	56R63™	**66.4**	**63.9**	52.8	54.1	**59.6**	**59.0**
Terral-REV®	57R21™	**61.5**	**56.8**	52.3	54.7	56.9	55.8
Terral-REV®	59R13™	**53.2**	**54.5**	**55.6**	56.5	54.4	55.5
Average		60.0	57.9	54.4	56.1	57.2	57.0
LSD at 10% Level		N.S.[5]	N,S,	4.9	3.5	2.9	3.5
Std. Err. of Entry Mean		1.3	7.2	2.1	1.5	1.2	1.0

Regional Summary of MG V and VI Soybean Variety Performance, 2013 (Continued)

Company or Brand Name	Variety	Yield[1] South[2] 2013	South[2] 2-Year Average	North[3] 2013	North[3] 2-Year Average	Statewide[4] 2013	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group VI							
Armor	X1426	**56.8**	.	**54.5**	.	**55.7**	.
Armor	X1427	**58.1**	.	44.9	.	**51.5**	.
Asgrow	AG6534	**56.6**	.	**55.6**	.	**56.1**	.
Asgrow	AG6834	**64.4**	.	46.2	.	**55.3**	.
CG	3R2C67	**54.3**	.	**52.8**	.	**53.5**	.
CG	R2C6192	**55.4**	.	**56.5**	.	**55.9**	.
CG	R2C6810	**63.9**	.	48.8	.	**56.3**	57.5
Dyna-Gro	36RY68	**60.4**	.	43.4	.	**51.9**	55.9
Dyna-Gro	S61RY93	**54.8**	.	48.6	.	**51.7**	.
Dyna-Gro	S65RY73	**66.2**	.	**51.8**	.	**59.0**	.
Dyna-Gro	S69RY34	**58.4**	.	43.8	.	**51.1**	.
NK	S67-R6 Brand	**67.8**	.	**51.7**	.	**59.7**	**61.6**
NK	S68-D4	**56.0**	.	45.7	.	**50.8**	.
Public Variety	Musen	**59.2**	.	40.4	.	**49.8**	53.5
Public Variety	NC Roy	**58.9**	.	43.7	.	**51.3**	.
SS	6713N R2	**55.2**	.	47.3	.	**51.3**	.
SS	SS 6810NR2	**63.4**	.	48.1	.	**55.8**	57.8
Average		59.4	.	48.5	.	53.9	57.3
LSD at 10% Level		N.S.		6.3		N.S.	2.4
Std. Err. of Entry Mean		1.4		2.7		1.5	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 = .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 VIII Soybean Variety Performance, 2013

Company or Brand Name	Variety	Yield[1] South[2] 2013	South[2] 2-Year Average	North[3] 2013	North[3] 2-Year Average	Statewide[4] 2013	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group VII and VIII							
AGSouth	AGS 828 RR	52.6	**62.2**	58.4	50.4	54.6	**58.3**
AgSouth	AGS 70R26	56.6	.	57.9	.	57.0	.
AgSouth	AGS 75R27	55.9	.	**61.2**	.	57.6	.
AgSouth	AGS 767 RR	54.8	**58.0**	58.2	49.1	55.9	55.0
AgSouth	AGS Prichard RR	54.0	**57.9**	50.3	44.7	52.8	53.5
AgSouth	AGS Woodruff	**59.7**	**63.5**	**63.1**	**57.4**	**60.8**	**61.5**
AgSouth	AGS787 RR	54.2	**58.9**	60.7	52.1	56.4	56.6
Armor	X1428	51.3	.	58.4	.	53.6	.
Asgrow	AG7733	**63.2**	**63.8**	59.4	51.6	**61.9**	**59.7**
Asgrow	AG7934	**59.4**	.	**61.0**	.	**59.9**	.
Bayer	HBK R7028	54.3	**55.8**	57.3	49.2	55.3	53.6
Bayer	HBK RY7523	52.3	.	**61.0**	.	55.2	.
CG	3R2C70	50.3	.	**65.6**	.	55.4	.
CG	R2C7390	**58.3**	.	59.3	.	**58.7**	.
Croplan Genetics	R2C7622	55.1	**60.5**	**61.3**	**53.2**	57.1	**58.1**
Dyna-Gro	34RY75	56.6	**63.4**	**69.0**	**57.2**	**60.8**	**61.3**
Dyna-Gro	SX13875R	55.1	.	60.7	.	57.0	.
NK	S74-M3 Brand	**59.2**	**60.6**	60.6	**53.5**	**59.7**	**58.2**
NK	S77-T7 Brand	**58.5**	**64.0**	59.3	**53.3**	**58.8**	**60.4**
NK	S78-G6 Brand	56.9	**58.2**	52.8	48.1	55.5	54.8
Pioneer	97M50	**57.9**	**59.4**	51.9	48.3	55.9	55.7
Public Variety	Cook	54.4	**59.9**	51.8	44.4	53.6	54.8
Public Variety	Motte	54.8	**58.4**	54.6	46.8	54.7	54.5
Public Variety	N7003CN	50.3	.	56.0	.	52.2	.
Public Variety	NC Raleigh	55.1	.	59.4	.	56.5	.
Public Variety	Santee	57.3	**59.1**	55.8	48.2	56.8	55.5
SC	SC03-062	55.9	**62.1**	56.9	49.6	56.2	**58.0**
SC	SC04-306	54.0	**59.1**	54.9	47.8	54.3	55.3
SC	SC07-108	52.5	.	58.1	.	54.3	.
SC	SC07-1518	**58.4**	.	60.2	.	**59.0**	.
SS	SS7511NR2	57.7	**61.7**	55.7	52.1	57.0	**58.5**
UGA	G00-3213	**63.7**	.	**63.8**	.	**63.8**	.
UGA	G00-3880	50.5	.	57.4	.	52.8	.
UGA	G06-3182RR	**58.4**	**63.7**	58.8	51.3	**58.5**	**59.6**
UGA	G08-3279RR	55.5	**59.1**	56.6	49.6	55.9	56.0
UGA	G08-4200RR	**58.9**	**63.1**	47.0	46.5	54.9	57.6
UGA	G08-5122RR	56.9	**63.0**	53.7	46.7	55.8	57.6
UGA	G09-3202R2	53.3	.	50.0	.	52.2	.
UGA	G10PR-224R2	**60.0**	.	54.8	.	**58.2**	.
UGA	G10PR-56248R2	54.3	**59.2**	58.1	50.8	55.6	56.4
UGA	G10PR-56264R2	**61.0**	.	**62.9**	.	**61.6**	.
UGA	G10PR-56330R2	**59.0**	.	48.3	.	55.5	.
UGA	G10PR-56444R2	**61.6**	.	59.1	.	**60.7**	.
UGA	G10PR-86R2	**58.5**	.	**61.7**	.	**59.6**	.
UGA	G12PR-6354AR2	53.4	.	57.2	.	54.7	.

Regional Summary of MG VII and VIII Soybean Variety Performance, 2013 (Continued)

Company or Brand Name	Variety	Yield[1] South[2] 2013	South[2] 2-Year Average	North[3] 2013	North[3] 2-Year Average	Statewide[4] 2013	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group VII and VIII - continued							
UGA	G12PR-6354BR2	57.0	.	55.5	.	56.5	.
UGA	G12PR-7R2	**58.0**	.	60.3	.	**58.8**	.
USG	77S13R	51.6	.	59.3	.	54.2	.
USG	77S40R2	54.6	**57.9**	**64.0**	**54.5**	57.7	56.8
USG	77S63R	56.3	.	**64.1**	.	**58.9**	.
Average		56.2	60.5	58.1	50.3	56.8	57.1
LSD at 10% Level		5.8	N.S.[5]	8.1	5.2	5.8	3.5
Std. Err. of Entry Mean		2.5	1.5	3.5	2.2	2.5	1.5

1. Yields calculated at 13% moisture.
2. Midville, Plains, Tifton, and Tifton Late-Planted..
3. Athens and Griffin Late-Planted.
4. Five locations with total of 6 tests.
5. The F-test indicated no statistical differences at the alpha = .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:
Soybean Variety Performance, 2013, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
Terral-REV®	56R63™	**64.5**	2	**68.2**	09/26	37	1.3	12.6	1.2	1.0
Pioneer	95Y61	**61.0**	9	**63.1**	09/24	31	1.0	13.6	1.5	1.0
SS	LL595N	**57.3**	17	60.0	09/23	31	1.0	11.5	1.5	1.0
AGSouth	AGS 5911LL	**57.2**	14	61.5	09/24	28	1.0	11.3	1.5	1.0
Schillinger	557.RC	52.5	26	55.4	09/22	28	1.0	12.1	1.5	1.0
Terral-REV®	57R21™	51.7	20	59.5	09/19	37	1.7	12.7	1.7	1.0
SS	SS5511NR2	51.2	28	53.1	09/18	31	1.0	15.6	1.7	1.0
Bayer	HBK RY5421	51.0	27	54.4	09/19	28	1.0	12.0	1.3	1.0
Schillinger	5220.RC	50.7	15	60.7	09/17	35	1.0	13.9	1.5	1.0
AR	UA 5612	50.0	42	44.8	09/17	31	1.3	10.8	1.5	1.0
Terral-REV®	59R13™	49.6	32	50.9	09/21	28	1.0	12.3	1.3	1.0
Pioneer	95Y71	49.2	40	47.3	09/16	29	1.0	11.2	1.5	1.0
Go Soy	5410 LL	48.7	25	56.4	09/15	33	1.0	13.4	1.5	1.0
Pioneer	95Y70	48.4	37	48.8	09/25	37	1.0	10.4	1.0	1.0
Public Variety	Ozark	47.3	35	49.3	09/18	30	1.0	13.1	1.2	1.0
Public Variety	Osage	46.9	43	44.6	09/13	25	1.0	10.6	1.3	1.0
Terral-REV®	56R21™	46.3	33	49.9	09/18	31	1.0	11.6	1.5	1.0
Croplan Genetics	R2C5673	.	1[T]	**68.8**	09/23	35	1.0	13.3	1.5	1.0
Armor	53-R88	.	1[T]	**68.8**	09/23	31	1.0	15.2	1.3	1.0
Halo	5:01	.	3	**65.5**	09/15	35	1.0	13.5	1.8	1.0
Bayer	HBK LL4950	.	4	**65.4**	09/16	33	1.0	14.0	1.7	1.0
SS	5513N R2	.	5	**65.1**	09/23	35	1.0	13.1	1.7	1.0
NK S52-Y2 Brand	NK S52-Y2 Brand	.	6	**63.5**	09/15	29	1.0	16.2	1.7	1.0
Armor	X1413	.	7	**63.4**	09/09	37	1.7	14.5	1.8	1.0
AgSouth	AGS 533 LL	.	8	**63.2**	09/15	35	1.0	13.6	1.7	1.0
NK	S57-K3 Brand	.	10	**62.6**	09/26	33	1.0	12.5	2.0	1.0
Croplan Genetics	R2C5103	.	11	**62.3**	09/13	36	1.3	15.5	1.7	1.0
Asgrow	AG5634	.	12	61.9	09/21	41	2.3	14.8	2.0	1.0
SS	5711 R2	.	13	61.8	09/23	32	1.0	15.2	1.7	1.0
Bayer	HBK RY5221	.	16	60.1	09/15	39	2.3	16.7	3.0	1.0
Pioneer	P54T94R	.	18	59.7	09/19	29	1.0	12.9	1.7	1.0
Armor	55-R22	.	19	59.6	09/21	29	1.0	15.0	1.5	1.0
Pioneer	95Y80	.	21	59.3	09/25	29	1.0	12.8	1.2	1.0
Bayer	HBK LL5350	.	22	58.7	09/23	26	1.0	11.7	1.8	1.0
Go Soy	5312 LL	.	23	57.8	09/17	39	2.0	13.6	1.7	1.0
Halo	5:45	.	24[T]	56.5	09/22	29	1.0	10.9	1.3	1.0
Armor	53-R16	.	24[T]	56.5	09/18	32	1.0	11.6	2.0	1.0
AR	R04-1268RR	.	29	52.0	09/16	28	1.0	11.1	1.7	1.0
Halo	5:26	.	30	51.9	09/19	28	1.0	15.5	1.5	1.0
AgSouth	AGS 568RR	.	31	51.2	09/20	31	1.0	11.8	1.0	1.0
Halo	X530	.	34	49.7	09/17	41	1.3	13.3	1.7	1.0
Armor	X1425	.	36	48.9	10/02	25	1.0	11.4	2.0	1.0
AR	R04-1250RR	.	38	48.7	09/20	29	1.0	12.2	1.3	1.0
Asgrow	AG5534	.	39	48.6	09/19	31	1.0	13.0	2.3	1.0
SS	5911 R2	.	41	46.4	10/01	26	1.0	11.0	2.0	1.0
Public Variety	NC Miller	.	44	44.5	09/20	25	1.0	13.5	2.2	1.0
Average		52.0		56.7 [5]	09/20	32	1.1	13.0	1.6	1.0
LSD at 10% Level		9.3		6.8	03	3	0.4	1.0	0.4	-
Std. Err. of Entry Mean		2.3		2.9	01	1	0.2	0.4	0.2	-

Tifton, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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 VI										
NK	S67-R6 Brand	**63.4**	2	**63.4**	10/05	33	1.0	12.9	1.5	1.0
SS	SS 6810NR2	**60.8**	3	**61.2**	10/12	33	1.0	15.9	2.0	1.0
CG	R2C6810	**60.7**	4	**59.9**	10/12	31	1.0	13.6	1.8	1.0
Dyna-Gro	36RY68	53.3	7	51.8	10/10	29	1.0	12.7	1.8	1.0
Public Variety	Musen	52.6	9	47.8	10/10	33	1.0	12.2	1.7	1.0
Dyna-Gro	S65RY73	.	1	**64.8**	10/07	31	1.0	12.2	1.5	1.0
Asgrow	AG6834	.	5	53.0	10/11	33	1.0	13.5	1.5	1.0
NK	S68-D4	.	6	52.1	10/06	33	1.0	13.5	1.3	1.0
Armor	X1426	.	8	47.9	10/07	24	1.0	10.8	1.8	1.0
Dyna-Gro	S69RY34	.	10	47.4	10/07	35	1.0	12.9	1.5	1.0
Asgrow	AG6534	.	11	44.8	10/08	30	1.0	11.1	1.5	1.0
Dyna-Gro	S61RY93	.	12	44.1	10/05	25	1.0	10.2	1.7	1.0
Public Variety	NC Roy	.	13	43.8	10/02	29	1.0	12.2	1.2	1.0
CG	R2C6192	.	14	39.9	10/04	25	1.0	10.5	2.2	1.0
Armor	X1427	.	15	34.8	09/28	29	1.0	11.1	1.7	1.0
SS	6713N R2	.	16	34.4	10/04	26	1.0	11.5	1.3	1.0
CG	3R2C67	.	17	28.1	10/03	27	1.0	10.7	1.5	1.0
Average		58.2		48.2[6]	10/06	30	1.0	12.2	1.6	1.0
LSD at 10% Level		6.2		7.7	02	3	-	N.S.[7]	N.S.	-
Std. Err. of Entry Mean		1.9		3.2	01	1	-	0.7	0.2	-
Maturity Group VII and VIII										
UGA	G08-4200RR	**73.0**	3	**76.0**	10/04	40	2.0	11.6	1.5	1.0
UGA	G06-3182RR	**70.9**	6	73.6	10/14	33	1.0	13.5	1.7	1.0
AgSouth	AGS Woodruff	**70.8**	5	74.6	10/16	32	1.0	16.1	1.3	1.0
SC	SC03-062	**68.7**	10	68.6	10/17	31	1.0	14.4	1.7	1.0
UGA	G08-5122RR	**67.1**	9	69.4	10/14	41	2.0	13.6	1.3	1.0
NK	S77-T7 Brand	**65.8**	28	62.6	10/15	35	1.0	13.3	1.3	1.0
SS	SS7511NR2	**63.9**	29[T]	61.9	10/12	37	1.0	14.5	1.7	1.0
AgSouth	AGS787 RR	**63.8**	18	65.3	10/09	35	1.0	13.9	1.3	1.0
UGA	G10PR-56248R2	**62.8**	20	64.9	10/13	39	1.0	13.9	1.5	1.0
NK	S78-G6 Brand	**62.8**	24	63.5	10/14	35	1.0	17.8	1.5	1.0
Croplan Genetics	R2C7622	**62.7**	44	54.3	10/17	29	1.0	12.7	1.5	1.0
Pioneer	97M50	**62.6**	11	67.8	10/09	33	1.0	14.1	1.5	1.0
AGSouth	AGS 828 RR	**61.7**	47	48.2	10/13	41	2.0	11.1	1.5	1.0
Public Variety	Motte	61.1	30	60.6	10/09	45	3.0	12.8	1.5	1.0
Public Variety	Santee	60.7	14	67.0	10/14	41	2.0	14.7	1.2	1.0
Dyna-Gro	34RY75	60.5	34	58.3	10/16	29	1.0	12.9	1.7	1.0
Asgrow	AG7733	60.2	112	67.6	10/16	35	1.0	17.6	1.5	1.0
UGA	G08-3279RR	58.7	23	64.1	10/16	41	1.0	14.1	1.5	1.0
AgSouth	AGS Prichard RR	57.3	37	57.0	10/18	43	2.0	12.5	1.3	1.0
Public Variety	Cook	56.5	42	54.9	10/14	36	1.0	14.8	1.5	1.0
USG	77S40R2	54.6	40	55.7	10/13	32	1.0	13.4	1.8	1.0
AgSouth	AGS 767 RR	54.1	41	55.1	10/11	31	1.0	10.9	1.5	1.0
NK	S74-M3 Brand	53.8	43	54.5	10/11	35	1.0	14.9	1.7	1.0
Bayer	HBK R7028	53.5	22	64.3	10/12	38	1.0	15.0	1.5	1.0
SC	SC04-306	48.7	45	52.0	10/15	37	1.0	12.9	1.5	1.0

Tifton, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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 VII and VIII - continued										
UGA	G12PR-7R2	.	1	**83.1**	10/14	34	1.0	18.5	1.5	1.0
UGA	G00-3213	.	2	**82.8**	10/13	33	1.0	17.2	1.5	1.0
UGA	G10PR-56330R2	.	4	74.8	10/16	37	1.0	15.1	1.7	1.0
UGA	G10PR-56444R2	.	7	71.0	10/15	33	1.0	14.2	1.5	1.0
Asgrow	AG7934	.	8	70.3	10/16	37	1.0	15.4	1.7	1.0
UGA	G10PR-56264R2	.	13	67.1	10/14	43	1.0	13.3	1.5	1.0
CG	R2C7390	.	15	66.8	10/14	31	1.0	15.8	1.5	1.0
Public Variety	NC Raleigh	.	16	66.5	10/12	35	2.0	14.1	1.5	1.0
Dyna-Gro	SX13875R	.	17	65.8	10/16	36	1.0	14.6	1.8	1.0
SC	SC07-1518	.	19	65.0	10/17	37	1.0	14.6	1.7	1.0
UGA	G10PR-86R2	.	21	64.8	10/15	40	3.0	15.9	1.5	1.0
AgSouth	AGS 75R27	.	25	63.3	10/13	30	1.0	14.1	2.2	1.0
UGA	G09-3202R2	.	26	62.9	10/13	38	1.0	14.0	1.5	1.0
UGA	G10PR-224R2	.	27	62.8	10/13	37	1.0	13.0	1.3	1.0
USG	77S63R	.	29	61.9	10/14	33	1.0	13.8	1.8	1.0
Bayer	HBK RY7523	.	31	59.5	10/17	31	1.0	13.3	1.8	1.0
AgSouth	AGS 70R26	.	32	59.2	10/01	41	1.0	11.9	1.5	1.0
Armor	X1428	.	33	58.7	10/11	41	1.0	13.5	1.5	1.0
UGA	G12PR-6354BR2	.	35	58.2	10/10	37	1.0	12.9	1.3	1.0
UGA	G00-3880	.	36	57.9	10/13	35	1.0	14.6	1.5	1.0
USG	77S13R	.	38	56.7	10/02	36	1.0	13.0	1.5	1.0
UGA	G12PR-6354AR2	.	39	56.4	10/11	37	2.0	15.0	1.5	1.0
Public Variety	N7003CN	.	46	48.3	10/17	38	2.0	14.0	1.8	1.0
CG	3R2C70	.	48	46.2	10/01	35	1.0	13.0	1.5	1.0
SC	SC07-108	.	49	43.5	10/12	33	2.0	11.3	1.5	1.0
Average		61.5		62.7	10/13	36	1.3	14.1	1.5	1.0
LSD at 10% Level		11.8		8.0	01	2	-	1.6	N.S.	-
Std. Err. of Entry Mean		2.7		3.4	01	1	-	0.6	0.1	-

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 = 8.8% and df for EMS = 90.
6. CV = 11.6% and df for EMS = 32.
7 The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
8. CV = 9.5% and df for EMS = 98.

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 21, 2013.

Harvested: Maturity Group V - October 4, 2013.
Maturity Group VI - October 16, 2013.
Maturity Group VII and VIII - October 28, 2013.

Seeding Rate: Eight seeds per foot in 30" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 6.0.

Fertilization: 0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.

Previous Crop: Corn.

Management: Disked, subsoiled, bedded, rototilled; Prowl, Select, Basagran and Ultra Blazer used for weed control; R+B135acer and Bifenthrin used for insect control; Telone II used for nematode control; Domark used for fungal control; irrigated 5 inches.

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

Tifton, Georgia:
Late-Planted Soybean Variety Performance, 2013, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
Croplan Genetics	R2C7622	.	1	**40.2**	11/03	20	1.0	15.0	1.5	1.0
Dyna-Gro	34RY75	.	2	**39.9**	11/04	20	1.0	15.2	1.5	1.0
NK	S74-M3 Brand	.	3	**38.8**	11/04	18	1.0	17.3	1.5	1.0
Asgrow	AG7733	.	4	**38.7**	11/04	21	1.0	14.5	1.7	1.0
UGA	G00-3213	.	5	**37.9**	11/06	13	1.0	17.2	1.5	1.0
UGA	G10PR-56264R2	.	6	**36.9**	11/03	18	1.0	13.7	1.3	1.0
NK	S77-T7 Brand	.	7	**35.7**	11/04	20	1.0	14.1	1.5	1.0
UGA	G10PR-224R2	.	8	**35.6**	11/04	18	1.0	13.8	1.7	1.0
SC	SC07-1518	.	9	**34.1**	11/03	19	1.0	15.0	1.2	1.0
NK	S78-G6 Brand	.	10	**34.0**	11/03	20	1.0	16.1	1.7	1.0
UGA	G10PR-56444R2	.	11[T]	**33.7**	11/06	16	1.0	14.7	1.3	1.0
AgSouth	AGS 767 RR	.	11[T]	**33.7**	11/06	14	1.0	14.2	1.3	1.0
Public Variety	Cook	.	12[T]	**33.4**	11/04	18	1.0	16.4	1.8	1.0
USG	77S63R	.	12[T]	**33.4**	11/06	18	1.0	17.1	1.8	1.0
Pioneer	97M50	.	13	**33.1**	11/06	21	1.0	13.8	1.5	1.0
UGA	G12PR-6354BR2	.	14	32.9	11/04	17	1.0	15.0	1.7	1.0
AgSouth	AGS 70R26	.	15	32.7	11/06	19	1.0	14.5	1.7	1.0
AgSouth	AGS 75R27	.	16[T]	32.6	11/08	18	1.0	16.2	1.8	1.0
AgSouth	AGS Prichard RR	.	16[T]	32.6	11/06	18	1.0	14.8	1.5	1.0
SS	SS7511NR2	.	17	32.4	11/03	18	1.0	14.9	1.5	1.0
Public Variety	Motte	.	18	31.4	11/03	21	1.0	13.2	1.3	1.0
UGA	G10PR-86R2	.	19	31.2	11/04	19	1.0	14.5	1.5	1.0
UGA	G12PR-6354AR2	.	20	30.8	11/02	17	1.0	14.7	1.3	1.0
UGA	G08-4200RR	.	21	30.7	11/06	21	1.0	13.4	1.7	1.0
Public Variety	Santee	.	22	30.6	11/02	22	1.0	15.5	1.5	1.0
UGA	G08-5122RR	.	23	30.5	11/07	20	1.0	15.1	1.7	1.0
UGA	G10PR-56330R2	.	24	30.2	11/04	18	1.0	12.9	1.7	1.0
SC	SC07-108	.	25	30.1	11/03	20	1.0	13.8	1.3	1.0
Bayer	HBK R7028	.	26	29.5	11/04	19	1.0	15.2	1.5	1.0
Asgrow	AG7934	.	27	29.4	11/06	18	1.0	14.9	1.5	1.0
Dyna-Gro	SX13875R	.	28	29.1	11/07	18	1.0	16.6	1.7	1.0
USG	77S40R2	.	29	28.8	11/04	17	1.0	15.7	1.7	1.0
CG	R2C7390	.	30	28.5	11/04	14	1.0	16.4	1.3	1.0
AgSouth	AGS Woodruff	.	31	28.3	11/05	17	1.0	15.1	1.5	1.0
Bayer	HBK RY7523	.	32	28.0	11/06	17	1.0	16.9	1.5	1.0
UGA	G10PR-56248R2	.	33	27.4	11/04	19	1.0	14.6	1.5	1.0
UGA	G08-3279RR	.	34	27.1	11/05	18	1.0	15.8	1.3	1.0
UGA	G09-3202R2	.	35	26.6	11/03	18	1.0	13.1	2.0	1.0
SC	SC04-306	.	36[T]	26.1	11/02	17	1.0	12.9	1.7	1.0
USG	77S13R	.	36[T]	26.1	11/05	19	1.0	14.5	1.5	1.0
CG	3R2C70	.	37[T]	24.8	11/01	18	1.0	13.4	1.5	1.0
UGA	G06-3182RR	.	37[T]	24.8	11/03	17	1.0	13.0	1.7	1.0
AgSouth	AGS787 RR	.	37[T]	24.8	11/04	13	1.0	15.7	1.8	1.0
AGSouth	AGS 828 RR	.	38	24.3	11/04	18	1.0	14.2	1.7	1.0
SC	SC03-062	.	39	23.3	11/04	17	1.0	14.3	1.5	1.0

Tifton, Georgia:
Late-Planted Soybean Variety Performance, 2013, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
Armor	X1428	.	40	20.2	11/05	17	1.0	16.9	1.5	1.0
Public Variety	NC Raleigh	.	41	19.3	11/05	20	1.0	13.8	1.7	1.0
UGA	G12PR-7R2	.	42	18.4	11/06	17	1.0	17.1	1.7	1.0
Public Variety	N7003CN	.	43	17.2	11/05	18	1.0	17.4	1.5	1.0
UGA	G00-3880	.	44	16.6	11/04	19	1.0	16.1	1.5	1.0
Average		.		29.9 [5]	11/04	18	1.0	14.9	1.6	1.0
LSD at 10% Level				7.2	02	2	-	1.6	0.4	-
Std. Err. of Entry Mean				2.3	01	1	-	0.5	0.1	-

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 = 17.7% and df for EMS = 98.

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

Planted: July 29, 2013.
Harvested: November 13, 2013.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 6.0.
Fertilization: 0 lb N, 50 lb P_2O_5, and 100 lb K_2O/acre. Sidedress: 130 lb N/acre.
Previous Crop: Wheat.
Management: Disked, field conditioned, rototilled: Prowl, Dual Magnum and Select used for weed control; Tracer and Bifenthrin used for insect control; Domark used for fungal control.

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

Plains, Georgia:
Soybean Variety Performance, 2013, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2013 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	95Y70	**68.4**	8[T]	78.2	10/04	37	2.3	.	.	1.0
Pioneer	95Y61	**67.8**	11	77.2	10/08	35	1.7	.	.	1.0
Go Soy	5410 LL	**66.3**	3	**80.6**	10/04	39	1.0	.	.	1.0
Terral-REV®	56R63™	**66.1**	7	**79.1**	10/05	35	2.3	.	.	1.0
SS	LL595N	**63.6**	34[T]	69.7	10/05	37	1.3	.	.	1.0
Bayer	HBK RY5421	**63.2**	18	74.7	10/05	31	1.0	.	.	1.0
Public Variety	Ozark	**63.2**	22	74.2	10/04	33	1.3	.	.	1.0
Terral-REV®	56R21™	**63.0**	13	76.8	10/05	36	1.7	.	.	1.0
AR	UA 5612	**61.9**	4	**80.5**	10/05	29	1.0	.	.	1.0
AGSouth	AGS 5911LL	**60.4**	34[T]	69.7	10/10	31	1.0	.	.	1.0
Schillinger	557.RC	**60.1**	29	71.7	10/03	31	1.0	.	.	1.0
Public Variety	Osage	**59.9**	35	68.7	10/05	25	1.0	.	.	1.0
Schillinger	5220.RC	**59.5**	41	63.7	10/01	42	1.3	.	.	1.0
Terral-REV®	57R21™	**58.9**	26	72.9	10/04	38	2.7	.	.	1.0
Pioneer	95Y71	**57.3**	20	74.5	10/04	34	1.3	.	.	1.0
SS	SS5511NR2	**56.3**	19[T]	74.6	10/05	31	1.0	.	.	1.0
Terral-REV®	59R13™	**56.3**	42	59.7	10/06	33	1	.	.	1.0
Croplan Genetics	R2C5673	.	1	**84.1**	10/05	37	1.7	.	.	1.0
SS	5711 R2	.	2	**82.9**	10/07	33	1.0	.	.	1.0
NK	S57-K3 Brand	.	5	**80.1**	10/07	33	1.7	.	.	1.0
AgSouth	AGS 568RR	.	6	**79.7**	10/04	33	1.3	.	.	1.0
Public Variety	NC Miller	.	8[T]	78.2	10/06	31	1.0	.	.	1.0
SS	5911 R2	.	9	77.7	10/11	30	1.0	.	.	1.0
Pioneer	P54T94R	.	10	77.6	10/11	30	1.0	.	.	1.0
SS	5513N R2	.	12	77.0	10/07	36	1.3	.	.	1.0
AgSouth	AGS 533 LL	.	15	76.5	10/02	43	1.0	.	.	1.0
Halo	5:01	.	15	76.1	10/01	40	1.7	.	.	1.0
Armor	X1425	.	16	75.4	10/11	25	1.0	.	.	1.0
Bayer	HBK LL4950	.	17	74.9	10/07	39	1.7	.	.	1.0
Pioneer	95Y80	.	19[T]	74.6	10/08	33	1.7	.	.	1.0
Asgrow	AG5534	.	21	74.3	10/04	39	1.3	.	.	1.0
Armor	53-R88	.	23	73.5	10/05	30	1.0	.	.	1.0
Halo	5:45	.	24	73.4	10/05	30	1.0	.	.	1.0
Go Soy	5312 LL	.	25	73.1	10/02	45	2.0	.	.	1.0
Armor	55-R22	.	27	72.1	10/05	31	1.0	.	.	1.0
Bayer	HBK LL5350	.	28	72.0	10/05	25	1.0	.	.	1.0
Armor	X1413	.	30	71.6	10/02	31	1.0	.	.	1.0
AR	R04-1250RR	.	31	71.1	10/03	37	1.3	.	.	1.0
Halo	X530	.	32	70.5	10/05	46	2.3	.	.	1.0
AR	R04-1268RR	.	33	70.2	10/04	32	1.0	.	.	1.0

Plains, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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)										
Asgrow	AG5634	.	36	68.2	10/03	38	2.7	.	.	1.0
Halo	5:26	.	37	67.7	10/01	31	1.0	.	.	1.0
Croplan Genetics	R2C5103	.	38	66.6	10/02	39	1.7	.	.	1.0
NK S52-Y2 Brand	NK S52-Y2 Brand	.	39	65.6	10/01	38	1.0	.	.	1.0
Armor	53-R16	.	40	63.8	09/28	40	1.0	.	.	1.0
Bayer	HBK RY5221	.	43	43.9	10/11	39	2.7	.	.	1.0
Average		61.9		73.0[5]	10/05	35	1.4	.	.	1.0
LSD at 10% Level		N.S.[6]		5.3	02	3	0.6			-
Std. Err. of Entry Mean		2.2		2.3	01	1	0.2			-
Maturity Group VI										
Public Variety	Musen	**69.9**	9	**76.8**	10/15	40	2.7	.	.	1.0
NK	S67-R6 Brand	**69.7**	4	**81.2**	10/15	39	1.0	.	.	1.0
Dyna-Gro	36RY68	**65.5**	12[T]	**74.4**	10/14	37	1.7	.	.	1.0
SS	SS 6810NR2	**65.1**	11	**74.9**	10/14	33	1.0	.	.	1.0
CG	R2C6810	**63.6**	13	**73.2**	10/14	35	1.3	.	.	1.0
Dyna-Gro	S61RY73	.	1	**84.3**	10/13	36	2.0	.	.	1.0
Armor	X1427	.	2	**81.4**	10/10	35	1.7	.	.	1.0
Asgrow	AG6834	.	3	**81.3**	10/16	39	1.3	.	.	1.0
CG	R2C6192	.	5	**78.6**	10/08	31	1.0	.	.	1.0
Public Variety	NC Roy	.	6	**78.1**	10/14	32	3.0	.	.	1.0
CG	3R2C67	.	7	**77.8**	10/10	35	1.0	.	.	1.0
Armor	X1426	.	8	**77.2**	10/12	31	1.0	.	.	1.0
SS	6713N R2	.	10	**75.4**	10/11	32	1.0	.	.	1.0
Dyna-Gro	S65RY93	.	12[T]	**74.4**	10/12	27	1.0	.	.	1.0
Asgrow	AG6534	.	14	**71.1**	10/15	31	1.0	.	.	1.0
Dyna-Gro	S69RY34	.	15	**70.6**	10/14	40	2.3	.	.	1.0
NK	S68-D4	.	16	**69.2**	10/09	38	2.0	.	.	1.0
Average		66.8		76.5[7]	10/12	35	1.5	.	.	1.0
LSD at 10% Level		N.S.		N.S.	N.S.	2	0.6			-
Std. Err. of Entry Mean		2.2		1.9	01	1	0.3			-
Maturity Group VII and VIII										
AGSouth	AGS 828 RR	**81.3**	5	**83.2**	10/17	37	2.7	.	.	1.0
UGA	G06-3182RR	**78.7**	13	80.7	10/16	35	1.7	.	.	1.0
SC	SC04-306	**78.6**	14	80.5	10/19	42	2.3	.	.	1.0
NK	S77-T7 Brand	**77.9**	3	**85.4**	10/18	37	2.3	.	.	1.0
Asgrow	AG7733	**76.7**	1	**86.4**	10/13	39	1.3	.	.	1.0
Dyna-Gro	34RY75	**76.4**	12	**81.1**	10/17	39	2.3	.	.	1.0
Public Variety	Santee	**75.1**	18	78.8	10/16	39	2.7	.	.	1.0
UGA	G08-5122RR	**74.8**	42[T]	71.2	10/18	41	3.0	.	.	1.0
Public Variety	Cook	**74.1**	38[T]	74.4	10/17	41	2.3	.	.	1.0
Pioneer	97M50	**72.7**	32	76.0	10/18	36	2.0	.	.	1.0

Plains, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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 VII and VIII - (continued)										
UGA	G08-3279RR	**72.0**	35	75.4	10/18	41	2.3	.	.	1.0
AgSouth	AGS787 RR	**71.7**	31[T]	76.3	10/15	37	1.7	.	.	1.0
UGA	G10PR-56248R2	**71.3**	44	70.7	10/14	42	1.7	.	.	1.0
AgSouth	AGS Woodruff	**71.1**	15[T]	80.3	10/17	39	2.3	.	.	1.0
AgSouth	AGS Prichard RR	**70.9**	42[T]	71.2	10/22	43	3.0	.	.	1.0
Public Variety	Motte	**70.4**	36	75.1	10/20	41	2.7	.	.	1.0
SS	SS7511NR2	**69.8**	10	**81.6**	10/19	39	2.7	.	.	1.0
Croplan Genetics	R2C7622	**69.4**	19	78.5	10/17	37	1.7	.	.	1.0
AgSouth	AGS 767 RR	**69.3**	31[T]	76.3	10/13	37	1.0	.	.	1.0
SC	SC03-062	**68.8**	37	75.0	10/20	40	3.0	.	.	1.0
UGA	G08-4200RR	**68.5**	34	75.5	10/13	38	2.7	.	.	1.0
USG	77S40R2	**68.3**	17[T]	79.5	10/16	36	1.7	.	.	1.0
NK	S74-M3 Brand	**67.3**	2	**86.2**	10/16	39	1.3	.	.	1.0
Bayer	HBK R7028	**65.1**	40	72.9	10/14	37	2.3	.	.	1.0
NK	S78-G6 Brand	**62.1**	29	76.5	10/18	38	2.7	.	.	1.0
UGA	G10PR-86R2	.	4	**83.3**	10/15	37	3.0	.	.	1.0
UGA	G10PR-224R2	.	6	**83.1**	10/14	39	2.0	.	.	1.0
CG	R2C7390	.	7	**82.7**	10/11	35	1.7	.	.	1.0
UGA	G10PR-56444R2	.	8	**82.4**	10/17	39	2.7	.	.	1.0
Asgrow	AG7934	.	9	**81.9**	10/18	43	1.3	.	.	1.0
UGA	G10PR-56264R2	.	11	**81.4**	10/14	39	2.3	.	.	1.0
SC	SC07-108	.	15[T]	80.3	10/19	41	3.0	.	.	1.0
UGA	G00-3880	.	16	79.6	10/14	39	2.7	.	.	1.0
Public Variety	NC Raleigh	.	17[T]	79.5	10/19	36	3.0	.	.	1.0
UGA	G12PR-6354BR2	.	20	78.3	10/14	38	2.3	.	.	1.0
UGA	G12PR-6354AR2	.	21	78.0	10/16	43	2.3	.	.	1.0
UGA	G00-3213	.	22	77.4	10/14	39	2.0	.	.	1.0
UGA	G12PR-7R2	.	23	77.3	10/13	39	3.0	.	.	1.0
UGA	G09-3202R2	.	24	77.0	10/16	39	3.0	.	.	1.0
AgSouth	AGS 70R26	.	25	76.8	10/14	41	2.0	.	.	1.0
USG	77S63R	.	26	76.7	10/17	37	1.0	.	.	1.0
Public Variety	N7003CN	.	30	76.4	10/17	35	2.0	.	.	1.0
SC	SC07-1518	.	31[T]	76.3	10/19	43	2.0	.	.	1.0
UGA	G10PR-56330R2	.	33	75.7	10/17	40	2.3	.	.	1.0
AgSouth	AGS 75R27	.	38[T]	74.4	10/16	36	1.0	.	.	1.0
Dyna-Gro	SX13875R	.	39[T]	73.4	10/18	35	1.0	.	.	1.0
CG	3R2C70	.	39[T]	73.4	10/14	41	1.7	.	.	1.0
Armor	X1428	.	41	71.8	10/14	40	2.3	.	.	1.0
USG	77S13R	.	43	70.9	10/14	42	2.0	.	.	1.0
Bayer	HBK RY7523	.	45	66.3	10/18	35	1.0	.	.	1.0
Average		72.1		77.7[8]	10/16	39	2.2	.	.	1.0
LSD at 10% Level		N.S.		5.3	-	3	0.7			-
Std. Err. of Entry Mean		2.7		2.2	-	1	0.3			-

Plains, Georgia:
Soybean Variety Performance, 2013, 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 = 5.4% and df for EMS = 90.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 4.2% and df for EMS = 32.
8. CV = 5/0% and df for EMS = 98.

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 31, 2013.
Harvested:	October 24, 2013.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Medium, K = Very High, and pH = 6.3.
Fertilization:	10 lb N, 46 lb P_2O_5, and 0 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Disked, chisel plowed, rototilled; Ultra Blazer used for weed control; Endigo used for insect control; Domark used for fungal control; irrigated 2 inches.

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

Midville, Georgia:
Soybean Variety Performance, 2013, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2013 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	**64.5**	4	**56.0**	10/16	34	2.0	.	.	1.0
Bayer	HBK RY5421	**62.4**	14	52.1	10/14	27	1.3	.	.	1.0
Pioneer	95Y61	**61.9**	19	50.4	10/15	30	1.3	.	.	1.0
Public Variety	Osage	**61.5**	28	48.5	10/12	25	1.0	.	.	1.0
Terral-REV®	56R63™	**61.2**	16[T]	51.8	10/15	37	2.7	.	.	1.0
AGSouth	AGS 5911LL	**61.0**	3	**56.2**	10/16	31	2.0	.	.	1.0
SS	SS5511NR2	**60.8**	10	53.3	10/10	31	1.0	.	.	1.0
Terral-REV®	57R21™	**59.9**	15[T]	51.9	10/14	35	3.0	.	.	1.0
Terral-REV®	56R21™	**59.4**	17	51.2	10/15	33	2.7	.	.	1.0
Go Soy	5410 LL	**59.0**	21	50.2	10/08	30	1.0	.	.	1.0
Public Variety	Ozark	**58.9**	27	48.9	10/09	27	2.7	.	.	1.0
SS	LL595N	**58.8**	16[T]	51.8	10/13	28	1.0	.	.	1.0
AR	UA 5612	**58.2**	31[T]	47.5	10/14	29	2.3	.	.	1.0
Pioneer	95Y70	**58.0**	12	52.6	10/18	33	2.7	.	.	1.0
Terral-REV®	59R13™	**57.6**	26	49.1	10/13	32	1.3	.	.	1.0
Schillinger	5220.RC	**57.5**	32	47.2	10/13	32	1.7	.	.	1.0
Schillinger	557.RC	**55.0**	40	43.5	10/12	27	1.0	.	.	1.0
NK S52-Y2 Brand	NK S52-Y2 Brand	.	1	**57.5**	10/14	31	1.0	.	.	1.0
Halo	5:45	.	2	**56.9**	10/15	28	2.0	.	.	1.0
Bayer	HBK LL5350	.	5	**55.1**	10/12	27	1.0	.	.	1.0
Croplan Genetics	R2C5673	.	6	**54.9**	10/16	33	2.3	.	.	1.0
Asgrow	AG5534	.	7	**54.3**	10/16	33	1.7	.	.	1.0
Bayer	HBK LL4950	.	8	**54.0**	10/07	33	1.0	.	.	1.0
Halo	5:01	.	9	**53.9**	10/09	35	1.7	.	.	1.0
NK	S57-K3 Brand	.	11	53.1	10/17	30	1.7	.	.	1.0
SS	5513N R2	.	13	52.3	10/14	34	2.0	.	.	1.0
Pioneer	95Y80	.	15[T]	51.9	10/15	30	1.7	.	.	1.0
Pioneer	P54T94R	.	15[T]	51.9	10/09	28	1.0	.	.	1.0
Halo	X530	.	18	50.7	10/11	40	2.0	.	.	1.0
AgSouth	AGS 533 LL	.	20	50.3	10/07	33	1.0	.	.	1.0
Croplan Genetics	R2C5103	.	22	50.0	10/11	35	1.7	.	.	1.0
AgSouth	AGS 568RR	.	23	49.9	10/12	29	2.3	.	.	1.0
AR	R04-1250RR	.	24	49.5	10/11	29	2.0	.	.	1.0
Go Soy	5312 LL	.	25	49.2	10/12	37	1.5	.	.	1.0
Asgrow	AG5634	.	29	48.3	10/12	34	3.0	.	.	1.0
Public Variety	NC Miller	.	30[T]	47.6	10/11	27	1.0	.	.	1.0
Armor	X1413	.	30[T]	47.6	10/08	37	1.3	.	.	1.0
Armor	53-R88	.	31[T]	47.5	10/15	27	1.7	.	.	1.0
Halo	5:26	.	33	47.1	10/09	28	1.7	.	.	1.0
Armor	X1425	.	34	46.7	10/13	27	1.0	.	.	1.0
Armor	53-R16	.	35	45.9	10/11	25	1.7	.	.	1.0
Bayer	HBK RY5221	.	36	45.7	10/11	35	3.0	.	.	1.0
SS	5711 R2	.	37	45.4	10/14	31	1.7	.	.	1.0
AR	R04-1268RR	.	38	44.9	10/10	26	1.3	.	.	1.0
Armor	55-R22	.	39	44.8	10/13	29	1.3	.	.	1.0
SS	5911 R2	.	41	42.2	10/17	27	1.0	.	.	1.0
Average		59.7		50.3[5]	10/12	31	1.7	.	.	1.0
LSD at 10% Level		N.S.[6]		3.9	03	3	0.7			-
Std. Err. of Entry Mean		1.3		1.7	01	1	0.3			-

Midville, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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 VI										
NK	S67-R6 Brand	**65.9**	2	**58.6**	10/19	35	2.7	.	.	1.0
CG	R2C6810	**63.4**	3	**58.5**	10/17	31	1.0	.	.	1.0
Dyna-Gro	36RY68	**62.2**	8	**55.1**	10/21	33	2.0	.	.	1.0
SS	SS 6810NR2	**61.4**	10	54.2	10/20	31	2.0	.	.	1.0
Public Variety	Musen	57.1	12	53.0	10/20	35	3.0	.	.	1.0
Asgrow	AG6834	.	1	**58.8**	10/19	31	2.0	.	.	1.0
Armor	X1427	.	4	**58.2**	10/19	25	1.0	.	.	1.0
Dyna-Gro	S69RY34	.	5	**57.1**	10/17	34	2.0	.	.	1.0
CG	3R2C67	.	6	**57.0**	10/18	29	1.0	.	.	1.0
SS	6713N R2	.	7	**55.9**	10/18	29	1.0	.	.	1.0
Public Variety	NC Roy	.	9	**54.9**	10/17	27	2.7	.	.	1.0
Asgrow	AG6534	.	11	53.9	10/18	25	1.0	.	.	1.0
Dyna-Gro	S65RY73	.	13	49.5	10/19	29	2.0	.	.	1.0
CG	R2C6192	.	14	47.5	10/15	31	1.0	.	.	1.0
NK	S68-D4	.	15	46.8	10/10	28	2.0	.	.	1.0
Dyna-Gro	S61RY93	.	16	45.9	10/12	28	1.0	.	.	1.0
Armor	X1426	.	17	45.5	10/16	25	1.0	.	.	1.0
Average		62.0		53.6 [7]	10/17	30	1.7	.	.	1.0
LSD at 10% Level		4.5		3.9	01	1	N.S.			-
Std. Err. of Entry Mean		1.0		1.6	01	1	0.1			-
Maturity Group VII and VIII										
NK	S74-M3 Brand	**63.6**	8[T]	**57.4**	10/21	27	1.0	.	.	1.0
SC	SC03-062	**63.1**	9[T]	**56.9**	10/24	33	3.0	.	.	1.0
SS	SS7511NR2	**62.7**	18[T]	54.8	10/24	27	1.0	.	.	1.0
Asgrow	AG7733	**62.6**	1	**60.1**	10/21	33	1.0	.	.	1.0
Public Variety	Cook	**61.4**	17[T]	55.0	10/20	32	2.0	.	.	1.0
UGA	G08-5122RR	**60.4**	11	**56.3**	10/22	33	2.0	.	.	1.0
AgSouth	AGS Woodruff	**60.3**	13[T]	55.5	10/22	24	2.0	.	.	1.0
UGA	G08-4200RR	**60.3**	26[T]	53.4	10/23	33	1.0	.	.	1.0
UGA	G06-3182RR	**59.4**	21	54.5	10/17	31	1.0	.	.	1.0
USG	77S40R2	**59.4**	23[T]	54.3	10/20	22	1.0	.	.	1.0
SC	SC04-306	**59.0**	7	**57.5**	10/23	32	1.3	.	.	1.0
AgSouth	AGS 767 RR	**57.5**	24	54.1	10/20	29	2.0	.	.	1.0
AGSouth	AGS 828 RR	**57.3**	18[T]	54.8	10/20	31	2.0	.	.	1.0
NK	S77-T7 Brand	**57.3**	35	50.3	10/20	25	1.0	.	.	1.0
UGA	G08-3279RR	**57.0**	14[T]	55.4	10/22	33	3.0	.	.	1.0
NK	S78-G6 Brand	**56.4**	25	53.6	10/20	35	2.0	.	.	1.0
Public Variety	Motte	**56.2**	31	52.3	10/23	34	2.3	.	.	1.0
Dyna-Gro	34RY75	**56.0**	38	47.3	10/20	31	2.3	.	.	1.0
Bayer	HBK R7028	**55.8**	33	50.6	10/18	33	1.0	.	.	1.0
AgSouth	AGS787 RR	**55.6**	34	50.4	10/19	33	2.0	.	.	1.0
UGA	G10PR-56248R2	**55.4**	23[T]	54.3	10/19	31	1.0	.	.	1.0
AgSouth	AGS Prichard RR	**55.1**	16	55.2	10/24	33	2.3	.	.	1.0
Croplan Genetics	R2C7622	**54.2**	39	47.2	10/21	31	2.0	.	.	1.0
Pioneer	97M50	**53.9**	19	54.7	10/19	33	2.0	.	.	1.0
Public Variety	Santee	**53.6**	29	52.9	10/19	32	3.0	.	.	1.0

Midville, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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 VII and VIII - (continued)										
Public Variety	N7003CN	.	2	**59.5**	10/22	28	1.7	.	.	1.0
UGA	G10PR-56444R2	.	3	**59.1**	10/24	31	2.0	.	.	1.0
UGA	G12PR-6354BR2	.	4	**58.7**	10/17	29	1.3	.	.	1.0
UGA	G10PR-56264R2	.	5	**58.5**	10/21	31	2.3	.	.	1.0
SC	SC07-1518	.	6[T]	**58.4**	10/24	31	2.0	.	.	1.0
UGA	G10PR-224R2	.	6[T]	**58.4**	10/20	34	1.0	.	.	1.0
AgSouth	AGS 70R26	.	8[T]	**57.4**	03/04	31	1.0	.	.	1.0
UGA	G00-3213	.	9[T]	**56.9**	10/20	27	1.0	.	.	1.0
CG	3R2C70	.	10	**56.8**	10/17	35	1.0	.	.	1.0
SC	SC07-108	.	12[T]	55.9	10/24	34	3.0	.	.	1.0
Asgrow	AG7934	.	12[T]	55.9	10/21	31	1.0	.	.	1.0
UGA	G10PR-56330R2	.	13[T]	55.5	10/20	34	2.0	.	.	1.0
Bayer	HBK RY7523	.	14[T]	55.4	10/22	29	1.0	.	.	1.0
CG	R2C7390	.	15	55.3	10/20	31	1.0	.	.	1.0
Public Variety	NC Raleigh	.	17[T]	55.0	10/21	32	2.7	.	.	1.0
UGA	G10PR-86R2	.	20	54.6	10/22	31	3.0	.	.	1.0
Armor	X1428	.	22	54.4	10/18	31	1.0	.	.	1.0
USG	77S63R	.	26[T]	53.4	10/19	25	1.0	.	.	1.0
UGA	G12PR-7R2	.	27	53.3	10/17	31	1.0	.	.	1.0
AgSouth	AGS 75R27	.	28	53.1	10/20	27	1.0	.	.	1.0
USG	77S13R	.	30	52.7	10/18	25	1.0	.	.	1.0
Dyna-Gro	SX13875R	.	32	52.0	10/20	26	1.0	.	.	1.0
UGA	G12PR-6354AR2	.	36	48.3	10/17	31	1.0	.	.	1.0
UGA	G00-3880	.	37	48.0	10/20	33	1.0	.	.	1.0
UGA	G09-3202R2	.	40	46.6	10/18	33	1.0	.	.	1.0
Average		58.1		54.4[8]	11/07	31	1.6	.	.	1.0
LSD at 10% Level		N.S.		3.8	N.S.	1	0.3			-
Std. Err. of Entry Mean		1.4		1.6	01	1	0.1			-

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 = 5.8% and df for EMS = 90.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 5.3% and df for EMS = 32.
8. CV = 5.1% and df for EMS = 98.

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, 2013.
Harvested: October 29, 2013.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Tifton loamy sand
Soil Test: P = Medium, K = High, and pH = 6.0.
Fertilization: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
PREV®ous Crop: Corn.
Management: Disked,field conditioned, subsoiled, bedded, rototilled; Roundup, Gramoxone, Prowl, Valor, Intensity, Warrant, and Prefix used for weed control; Belt, Bifenthrin, and Dimlin used for insect control; Telone II used for nematode control; Tebuconazole used for fungal control; irrigated 6 inches.

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

Griffin, Georgia:
Soybean Variety Performance, 2013, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
Schillinger	5220.RC	**68.9**	9	**65.9**	09/21	42	1.0	15.8	1.7	1.0
AGSouth	AGS 5911LL	**68.3**	2	**70.1**	09/28	44	1.0	14.7	1.5	1.0
Pioneer	95Y61	**67.3**	4	**68.0**	09/29	39	2.3	14.7	1.7	1.0
Terral-REV®	59R13™	**66.7**	3	**69.4**	09/29	41	1.0	16.8	1.8	1.0
Public Variety	Osage	**66.2**	8	**66.1**	09/25	34	1.3	15.3	2.0	1.0
AR	UA 5612	**65.9**	17[T]	62.7	09/30	35	4.2	15.1	2.0	1.0
Schillinger	557.RC	**64.7**	32[T]	55.4	09/29	36	1.8	13.4	1.8	1.0
Public Variety	Ozark	**64.3**	15	**63.6**	09/24	38	3.3	17.5	2.0	1.0
SS	SS5511NR2	**64.3**	20	60.8	09/30	40	1.0	19.8	1.7	1.0
Go Soy	5410 LL	**63.6**	11	**64.7**	09/23	42	1.0	15.1	2.0	1.0
SS	LL595N	**63.5**	7	**66.2**	09/27	42	1.0	14.9	2.0	1.0
Pioneer	95Y71	**63.1**	24	58.7	09/29	40	3.0	14.9	1.8	1.0
Terral-REV®	56R21™	**63.1**	26	58.4	10/01	42	1.3	15.0	1.8	1.0
Bayer	HBK RY5421	**63.0**	34	54.8	09/29	37	2.7	17.0	1.8	1.0
Terral-REV®	57R21™	**59.9**	21[T]	60.7	09/29	43	1.8	15.9	2.3	1.0
Terral-REV®	56R63™	**59.0**	31	56.2	09/28	43	1.3	16.6	2.0	1.0
Pioneer	95Y70	**57.4**	39	52.8	10/02	41	3.8	15.6	2.0	1.0
NK	S57-K3 Brand	**57.4**	40	52.0	09/30	38	1.2	15.8	1.8	1.0
Halo	5:26	.	1	**73.1**	09/23	37	1.2	17.0	1.5	1.0
Public Variety	NC Miller	.	5	**67.5**	09/28	38	3.8	19.5	1.8	1.0
Bayer	HBK LL5350	.	6	**66.7**	09/28	32	1.0	16.3	1.8	1.0
SS	5711 R2	.	10	**65.2**	09/30	41	2.2	17.9	1.7	1.0
NK	S52-Y2 Brand	.	12	**64.6**	09/19	39	1.3	15.5	2.0	1.0
Pioneer	P54T94R	.	13	**64.1**	09/23	36	1.2	15.3	2.0	1.0
Halo	5:01	.	14	**63.9**	09/25	47	1.2	15.3	1.8	1.0
Halo	5:45	.	16	63.0	09/29	40	1.2	14.9	2.0	1.0
Croplan Genetics	R2C5103	.	17[T]	62.7	09/16	44	1.3	16.8	2.0	1.0
AgSouth	AGS 533 LL	.	18	61.9	09/23	44	1.2	14.2	2.0	1.0
Armor	53-R88	.	19	61.1	09/24	38	1.0	15.4	1.8	1.0
Armor	X1413	.	21[T]	60.7	09/13	46	1.0	15.6	1.8	1.0
Armor	55-R22	.	22	59.9	09/30	41	1.2	18.7	1.8	1.0
Bayer	HBK RY5221	.	23	59.1	09/21	45	2.5	20.1	1.8	1.0
Armor	X1425	.	25	58.6	10/01	36	1.0	12.7	1.8	1.0
AgSouth	AGS 568RR	.	27[T]	58.0	09/30	41	1.0	15.8	1.8	1.0
Armor	53-R16	.	27[T]	58.0	09/27	38	1.3	14.2	2.0	1.0
Go Soy	5312 LL	.	28	57.7	09/29	48	3.2	16.0	1.8	1.0
SS	5513N R2	.	29	57.4	09/28	43	1.5	16.1	2.0	1.0
SS	5911 R2	.	30	56.6	10/01	38	1.0	12.4	1.5	1.0
Pioneer	95Y80	.	32[T]	55.4	10/01	38	3.0	15.4	1.7	1.0
Asgrow	AG5534	.	33	55.2	09/30	43	2.3	16.5	1.7	1.0

Griffin, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
Halo	X530	.	35	54.1	09/26	58	1.2	17.0	1.7	1.0
AR	R04-1250RR	.	36	54.0	09/27	40	3.2	16.9	2.0	1.0
Bayer	HBK LL4950	.	37	53.6	09/26	46	1.3	15.3	1.8	1.0
Croplan Genetics	R2C5673	.	38	53.4	10/01	42	2.0	16.2	2.0	1.0
Asgrow	AG5634	.	41	51.8	10/01	46	3.5	18.4	1.7	1.0
AR	R04-1268RR	.	42	49.2	09/25	37	3.3	13.3	1.8	1.0
Average		64.1		60.3[5]	09/27	41	1.8	15.9	1.9	1.0
LSD at 10% Level		N.S.[6]		10.0	03	4	1.0	1.3	N.S.	-
Std. Err. of Entry Mean		2.6		3.7	01	1	0.4	0.6	0.2	-
Maturity Group VI										
NK	S67-R6 Brand	**63.0**	6	57.2	10/10	44	2.2	16.5	2.0	1.0
CG	R2C6810	**58.0**	4	58.7	10/12	43	1.7	15.9	1.5	1.0
SS	SS 6810NR2	**57.2**	7	56.6	10/12	42	1.0	15.4	1.8	1.0
Dyna-Gro	36RY68	**54.7**	15	46.4	10/08	42	1.8	13.6	1.8	1.0
Public Variety	Musen	**51.9**	16	45.2	10/16	45	2.3	14.4	1.7	1.0
CG	3R2C67	.	1	**68.6**	10/08	43	1.2	14.1	1.8	1.0
Asgrow	AG6534	.	2[T]	**67.8**	10/06	38	1.0	14.0	1.5	1.0
Armor	X1426	.	2[T]	**67.8**	10/04	38	1.0	13.0	1.5	1.0
CG	R2C6192	.	3	**62.5**	10/03	38	1.0	13.8	1.2	1.0
Dyna-Gro	S61RY73	.	5	57.4	10/05	39	1.2	13.6	2.0	1.0
SS	6713N R2	.	8	55.6	10/11	40	1.5	14.5	1.7	1.0
Armor	X1427	.	9	55.4	10/07	40	1.0	14.4	1.5	1.0
Dyna-Gro	S69RY34	.	10	53.0	10/08	47	1.2	15.4	1.5	1.0
Asgrow	AG6834	.	11	52.3	10/08	44	1.3	15.7	1.8	1.0
Dyna-Gro	S61RY93	.	12	50.1	10/01	39	1.0	13.0	1.5	1.0
NK	S68-D4	.	13	49.6	10/10	42	1.2	20.7	1.8	1.0
Public Variety	NC Roy	.	14	47.9	10/05	40	3.5	13.4	1.8	1.0
Average		57.0		56.0[7]	10/08	41	1.5	14.8	1.7	1.0
LSD at 10% Level		N.S.		9.8	03	3	0.5	1.6	N.S.	-
Std. Err. of Entry Mean		2.7		4.1	01	1	0.2	0.7	0.2	-

Griffin, Georgia:
Soybean Variety Performance, 2013, 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 = 12.2% and df for EMS = 90.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 12.6% and df for EMS = 32.

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, 2013.
Harvested:	Maturity Group V - October 15, 2013. Maturity Group VI - October 29, 2013.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Pacolet coarse sandy loam.
Soil Test:	P = Medium, K = High, and pH = 6.0.
Fertilization:	30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Chisel plowed, disked, rototilled; Lasso and one cultivation used for weed control; Karate used for insect control; Domark appled for rust control.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2013, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
Dyna-Gro	34RY75	**48.3**	3	**54.6**	10/26	33	1.0	13.7	1.5	1.0
NK	S77-T7 Brand	**48.3**	8[T]	50.4	10/29	32	1.0	13.8	1.3	1.0
USG	77S40R2	**47.2**	4	**54.2**	10/23	29	1.0	17.0	1.7	1.0
AgSouth	AGS787 RR	**45.7**	7	**52.2**	10/22	33	1.0	13.3	1.5	1.0
AgSouth	AGS Woodruff	**45.1**	20	46.6	10/28	32	1.0	16.2	1.3	1.0
UGA	G06-3182RR	**44.9**	10	48.7	10/22	30	1.0	12.9	1.7	1.0
Pioneer	97M50	**44.1**	35	40.3	10/24	32	1.0	13.7	1.5	1.0
AGSouth	AGS 828 RR	**43.9**	11	48.6	10/26	29	1.0	13.5	1.2	1.0
Croplan Genetics	R2C7622	**43.1**	12	48.4	10/29	31	1.0	14.4	1.3	1.0
SS	SS7511NR2	**43.0**	31	42.3	10/27	32	1.0	16.7	1.2	1.0
SC	SC03-062	**41.7**	22	45.6	11/01	38	1.0	14.7	1.5	1.0
Public Variety	Santee	**41.7**	23	45.4	10/25	33	1.0	14.7	1.3	1.0
Asgrow	AG7733	**41.2**	21	45.8	10/28	32	1.0	15.8	1.5	1.0
AgSouth	AGS 767 RR	**41.2**	30	42.5	10/25	28	1.0	12.2	1.8	1.0
NK	S74-M3 Brand	**41.2**	33	41.3	10/24	31	1.0	15.4	1.5	1.0
UGA	G10PR-56248R2	**41.0**	20[T]	46.4	10/25	32	1.0	14.1	1.7	1.0
Bayer	HBK R7028	**40.9**	27	44.5	10/28	34	1.0	13.6	1.8	1.0
UGA	G08-3279RR	**40.2**	16[T]	47.4	10/27	34	1.0	15.8	1.8	1.0
Public Variety	Cook	**40.1**	17	47.3	10/27	32	1.0	16.4	1.7	1.0
UGA	G08-5122RR	**39.5**	34	40.6	11/01	37	1.0	14.0	1.2	1.0
Public Variety	Motte	**39.1**	24[T]	45.3	10/31	38	1.0	15.2	1.3	1.0
SC	SC04-306	**38.8**	32	42.1	10/30	30	1.0	14.0	1.5	1.0
NK	S78-G6 Brand	**38.8**	36	39.9	10/29	31	1.0	17.3	1.8	1.0
AgSouth	AGS Prichard RR	**36.6**	37[T]	38.6	11/07	34	1.0	13.5	1.2	1.0
UGA	G08-4200RR	**33.2**	41	30.1	11/04	31	1.0	13.0	2.0	1.0
USG	77S63R	.	1	**59.3**	10/24	30	1.0	13.6	1.5	1.0
CG	3R2C70	.	2	**57.7**	10/23	32	1.0	14.0	1.7	1.0
UGA	G10PR-56264R2	.	5	**53.8**	10/27	31	1.0	14.5	1.7	1.0
Dyna-Gro	SX13875R	.	6	**53.1**	10/24	33	1.0	13.1	1.7	1.0
UGA	G00-3213	.	8[T]	50.4	10/24	31	1.0	17.5	1.5	1.0
Bayer	HBK RY7523	.	9	48.9	10/26	27	1.0	13.8	1.8	1.0
USG	77S13R	.	13	48.2	10/21	35	1.0	14.2	1.7	1.0
SC	SC07-1518	.	14	47.8	11/01	32	1.0	15.7	1.5	1.0
Asgrow	AG7934	.	15	47.5	10/29	33	1.0	14.9	1.5	1.0
AgSouth	AGS 70R26	.	16[T]	47.4	10/21	34	1.0	14.1	1.3	1.0
Armor	X1428	.	18	47.1	10/20	34	1.0	14.2	1.5	1.0
AgSouth	AGS 75R27	.	19[T]	47.0	10/27	28	1.0	14.7	1.7	1.0
Public Variety	NC Raleigh	.	19[T]	47.0	10/26	32	1.0	14.4	1.7	1.0
CG	R2C7390	.	20[T]	46.4	10/25	27	1.0	16.5	1.8	1.0
UGA	G12PR-6354AR2	.	24[T]	45.3	10/25	30	1.0	14.0	1.3	1.0
UGA	G10PR-86R2	.	25	45.1	10/24	34	1.0	14.5	1.5	1.0
Public Variety	N7003CN	.	26[T]	44.6	10/27	30	1.0	14.9	1.7	1.0
UGA	G10PR-56444R2	.	26[T]	44.6	10/28	33	1.0	14.0	1.5	1.0
UGA	G12PR-6354BR2	.	28	43.6	10/25	29	1.0	13.8	1.7	1.0
UGA	G12PR-7R2	.	29[T]	43.2	10/23	29	1.0	13.8	1.7	1.0

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2013, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
SC	SC07-108	.	29[T]	43.2	11/03	34	1.0	14.9	1.3	1.0
UGA	G10PR-224R2	.	37[T]	38.6	10/24	32	1.0	13.5	1.8	1.0
UGA	G00-3880	.	38	37.9	10/29	31	1.0	14.0	1.8	1.0
UGA	G09-3202R2	.	39	35.0	10/23	31	1.0	13.8	1.5	1.0
UGA	G10PR-56330R2	.	40	33.2	11/01	32	1.0	13.4	1.7	1.0
Average		42.0		45.7 [5]	10/27	32	1.0	14.5	1.6	1.0
LSD at 10% Level		N.S.[6]		7.3	04	4	-	1.2	0.4	-
Std. Err. of Entry Mean		2.3		3.1	02	2	-	0.5	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 = 11.8% 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.

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 27, 2013.
Harvested: November 12, 2013.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Cecil clay loam.
Soil Test: P = Medium, K = Medium, and pH = 6.4.
Fertilization: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop: Sorghum.
Management: Chisel plowed, disked, rototilled; Lasso and one cultivtation used for weed control; Karate used for insect control; Domark used for fungal control.

Test conducted by J. Gassett and G. Ware.

Athens, Georgia:
Soybean Variety Performance, 2013, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
Schillinger	5220.RC	**63.8**	8	**61.3**	09/29	36	1.3	15.0	1.3	.
Terral-REV®	56R63™	**60.7**	5[T]	**61.8**	10/05	36	1.7	15.0	1.3	.
AR	UA 5612	**59.4**	14	**59.1**	10/02	32	1.7	14.2	1.7	.
Pioneer	95Y71	**58.9**	6	**61.5**	10/03	34	1.3	14.2	1.0	.
AGSouth	AGS 5911LL	57.7	22[T]	56.7	10/06	32	1.3	13.4	1.0	.
Pioneer	95Y70	57.4	20	56.9	10/06	41	1.7	13.4	1.0	.
Go Soy	5410 LL	57.3	16[T]	**58.6**	09/28	35	1.0	14.0	1.3	.
Pioneer	95Y61	56.9	24	55.6	10/02	34	1.3	13.7	1.0	.
Bayer	HBK RY5421	55.3	7	**61.4**	09/30	31	1.0	14.8	1.3	.
SS	SS5511NR2	54.6	32	53.0	09/30	29	1.3	17.1	1.0	.
Public Variety	Osage	53.7	29	53.6	10/01	25	1.0	12.5	1.0	.
Schillinger	557.RC	53.5	38	50.0	10/04	30	1.0	13.0	1.0	.
Terral-REV®	57R21™	53.0	36	51.9	10/01	43	1.7	14.5	1.7	.
Terral-REV®	56R21™	52.5	28[T]	54.6	10/03	34	1.0	13.1	1.0	.
Public Variety	Ozark	52.4	33[T]	52.5	09/30	25	1.0	16.2	1.3	.
SS	LL595N	50.8	37	51.8	10/01	28	1.0	13.4	1.0	.
Terral-REV®	59R13™	50.3	33[T]	52.5	10/02	30	1.0	13.9	1.0	.
Bayer	HBK LL4950	.	1	**64.1**	10/02	40	1.0	13.8	1.3	.
NK	S57-K3 Brand	.	2	**63.7**	10/06	34	1.7	14.9	1.0	.
Armor	X1413	.	3	**62.4**	09/24	39	1.0	15.7	1.0	.
Croplan Genetics	R2C5673	.	4	**62.2**	10/02	36	1.0	13.7	1.7	.
Halo	5:45	.	5[T]	**61.8**	10/04	32	1.3	13.9	1.0	.
Armor	53-R16	.	5[T]	**61.8**	10/01	31	1.0	12.6	1.3	.
Public Variety	NC Miller	.	9	**60.5**	10/02	25	1.0	16.0	1.0	.
NK S52-Y2 Brand	NK S52-Y2 Brand	.	10	**59.8**	09/23	34	1.0	15.1	1.0	.
Pioneer	95Y80	.	11	**59.6**	10/04	34	1.7	14.5	1.0	.
Croplan Genetics	R2C5103	.	12[T]	**59.4**	09/28	37	1.3	15.9	2.0	.
AR	R04-1268RR	.	12[T]	**59.4**	09/28	30	1.0	14.0	1.3	.
Bayer	HBK LL5350	.	13	**59.3**	10/01	23	1.0	13.7	1.3	.
SS	5513N R2	.	15	**59.0**	10/03	39	1.0	14.5	1.0	.
Halo	5:01	.	16[T]	**58.6**	09/29	40	1.0	13.6	1.7	.
AgSouth	AGS 533 LL	.	17	**58.2**	09/27	40	1.0	14.1	1.3	.
Pioneer	P54T94R	.	18	**58.0**	09/29	30	1.0	14.4	2.0	.
Asgrow	AG5634	.	19	57.8	10/02	39	1.7	17.4	1.3	.
AgSouth	AGS 568RR	.	21	56.8	10/05	29	1.0	14.6	1.0	.
Halo	5:26	.	22[T]	56.7	09/30	28	1.0	15.2	1.0	.
AR	R04-1250RR	.	23[T]	56.3	10/02	34	1.7	16.1	1.7	.
Asgrow	AG5534	.	23[T]	56.3	10/01	30	1.0	15.6	2.0	.
Armor	55-R22	.	25	55.1	10/01	27	1.0	16.2	1.0	.
Go Soy	5312 LL	.	26	54.9	09/30	40	2.0	13.9	1.3	.

Athens, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
SS	5711 R2	.	27	54.7	10/02	35	1.3	15.0	1.3	.
SS	5911 R2	.	28[T]	54.6	10/09	29	1.0	12.2	1.0	.
Armor	53-R88	.	30	53.3	10/02	29	1.0	15.3	1.3	.
Bayer	HBK RY5221	.	31	53.2	09/27	38	1.7	16.5	2.7	.
Halo	X530	.	34	52.4	09/30	50	1.7	15.3	1.3	.
Armor	X1425	.	35	52.2	10/09	27	1.0	12.3	1.0	.
Average		55.8		57.3[5]	10/01	33	1.2	14.5	1.3	.
LSD at 10% Level		5.5		6.2	02	4	0.5	1.0	0.5	
Std. Err. of Entry Mean		1.8		2.6	01	1	0.2	0.4	0.2	
Maturity Group VI										
NK	S67-R6 Brand	**58.2**	3	**59.9**	10/11	44	1.7	15.9	1.7	.
Dyna-Gro	36RY68	**55.0**	14	52.1	10/12	44	2.0	14.3	1.3	.
SS	SS 6810NR2	**54.5**	12	53.1	10/14	45	1.7	15.2	1.7	.
CG	R2C6810	**53.4**	11	54.0	10/13	42	1.7	14.8	1.3	.
Public Variety	Musen	47.3	17	48.3	10/15	45	2.3	12.1	1.0	.
Asgrow	AG6534	.	1	**64.2**	10/11	39	1.0	14.8	1.3	.
CG	R2C6192	.	2	**62.9**	10/06	38	1.0	12.3	1.0	.
Armor	X1426	.	4	**59.7**	10/06	38	1.0	12.3	1.3	.
Dyna-Gro	S61RY93	.	5	**59.5**	10/07	37	1.0	11.9	1.7	.
Dyna-Gro	S65RY73	.	6	**59.4**	10/06	41	1.7	12.0	1.0	.
CG	3R2C67	.	7	56.2	10/09	44	1.3	13.9	1.0	.
Public Variety	NC Roy	.	8	55.2	10/09	40	3.7	12.6	1.0	.
NK	S68-D4	.	9	55.0	10/08	44	2.0	16.2	1.7	.
Asgrow	AG6834	.	10	54.8	10/11	46	1.7	15.4	1.7	.
SS	6713N R2	.	13	53.0	10/07	41	1.7	13.5	1.0	.
Armor	X1427	.	15	52.0	10/10	41	1.3	13.6	1.3	.
Dyna-Gro	S69RY34	.	16	50.8	10/10	51	2.0	13.9	1.0	.
Average		53.7		55.9[6]	10/10	42	1.7	13.8	1.3	.
LSD at 10% Level		5.7		6.8	03	3	0.6	1.2	N.S.[7]	
Std. Err. of Entry Mean		2.2		2.8	01	1	0.2	0.5	0.3	
Maturity Group VII and VIII										
AgSouth	AGS Woodruff	**69.6**	3	**79.6**	10/24	40	1.7	18	1.0	.
Dyna-Gro	34RY75	**66.1**	1	**83.4**	10/23	44	1.7	14.4	1.0	.
NK	S74-M3 Brand	**65.8**	2	**79.8**	10/21	42	1.7	19.2	1.7	.
Croplan Genetics	R2C7622	**63.4**	10	74.2	10/22	42	2.0	14.0	1.3	.
Asgrow	AG7733	62.0	14	73.1	10/21	44	1.0	18.7	1.3	.
USG	77S40R2	61.7	11[T]	73.9	10/22	39	1.3	18.2	1.0	.
SS	SS7511NR2	61.3	26[T]	69.1	10/24	44	1.0	18.3	2.0	.
UGA	G10PR-56248R2	60.6	23	69.8	10/21	41	1.3	15.9	1.0	.
UGA	G08-4200RR	59.9	39[T]	63.9	10/20	44	3.0	13.1	1.0	.
UGA	G08-3279RR	59.1	37[T]	65.8	10/24	45	2.3	18.1	1.0	.

Athens, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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 VII and VIII - continued										
AgSouth	AGS787 RR	58.4	25	69.2	10/18	42	1.0	15.7	1.3	.
NK	S77-T7 Brand	58.2	31[T]	68.2	10/23	42	2.0	14.3	1.3	.
UGA	G06-3182RR	57.7	28	68.9	10/15	38	1.3	14.0	1.3	.
Bayer	HBK R7028	57.5	22	70.2	10/19	44	1.0	15.5	1.0	.
SC	SC03-062	57.4	31[T]	68.2	10/30	42	2.3	16.0	1.0	.
NK	S78-G6 Brand	57.4	37[T]	65.8	10/22	44	2.0	20.2	2.7	.
AgSouth	AGS 767 RR	57.0	11[T]	73.9	10/16	38	1.7	13.2	1.0	.
AGSouth	AGS 828 RR	56.9	30	68.3	10/22	41	2.3	14.1	1.0	.
SC	SC04-306	56.8	32	67.8	10/28	43	2.0	15.5	1.3	.
Public Variety	Santee	54.7	36	66.2	10/18	47	1.7	17.2	1.0	.
Public Variety	Motte	54.5	39[T]	63.9	10/28	46	2.3	15.0	1.0	.
UGA	G08-5122RR	54.0	35	66.7	10/27	49	2.7	15.5	1.0	.
AgSouth	AGS Prichard RR	52.8	42	62.0	10/28	51	2.7	14.5	1.0	.
Pioneer	97M50	52.5	40	63.5	10/21	41	1.7	16.1	1.0	.
Public Variety	Cook	48.7	43	56.4	10/21	44	2.0	17.6	1.0	.
UGA	G10PR-86R2	.	4	**78.2**	10/21	45	3.0	17.8	1.3	.
UGA	G12PR-7R2	.	5	**77.5**	10/19	45	2.0	20.7	1.0	.
UGA	G00-3213	.	6	**77.2**	10/22	44	2.0	18.6	1.0	.
UGA	G00-3880	.	7	**77.0**	10/21	43	2.0	17.0	1.0	.
AgSouth	AGS 75R27	.	8	**75.3**	10/21	42	1.3	17.9	2.0	.
Asgrow	AG7934	.	9	74.6	10/24	48	1.7	17.5	1.3	.
UGA	G10PR-56444R2	.	12[T]	73.6	10/23	42	1.0	16.4	1.0	.
CG	3R2C70	.	12[T]	73.6	10/16	47	1.0	16.9	1.0	.
Bayer	HBK RY7523	.	13	73.2	10/18	41	1.0	16.3	1.7	.
SC	SC07-108	.	15	73.0	10/27	43	2.0	16.2	1.0	.
SC	SC07-1518	.	16	72.6	10/28	46	1.3	17.2	1.0	.
CG	R2C7390	.	17	72.3	10/18	35	1.0	16.9	1.0	.
UGA	G10PR-56264R2	.	18	72.0	10/21	41	1.7	15.6	1.0	.
Public Variety	NC Raleigh	.	19	71.8	10/24	38	2.7	15.1	1.0	.
UGA	G10PR-224R2	.	20	70.9	10/20	45	2.0	16.0	1.0	.
USG	77S13R	.	21	70.4	10/15	49	1.3	16.2	1.0	.
Armor	X1428	.	24	69.7	10/16	50	1.7	15.7	1.3	.
UGA	G12PR-6354AR2	.	26[T]	69.1	10/19	46	1.7	16.8	1.7	.
USG	77S63R	.	27	69.0	10/20	39	1.0	16.6	1.3	.
Dyna-Gro	SX13875R	.	29[T]	68.4	10/18	38	1.0	16.5	1.0	.
AgSouth	AGS 70R26	.	29[T]	68.4	10/15	46	1.7	15.9	1.0	.
Public Variety	N7003CN	.	33	67.4	10/23	40	2.0	17.9	1.7	.
UGA	G12PR-6354BR2	.	34	67.3	10/18	43	2.0	14.9	1.3	.
UGA	G09-3202R2	.	38	65.0	10/17	45	2.7	16.1	1.0	.
UGA	G10PR-56330R2	.	41	63.4	10/20	42	2.0	14.7	1.0	.
Average		58.5		70.4[8]	10/21	43	1.8	16.4	1.2	.
LSD at 10% Level		6.9		8.2	02	5	0.8	1.1	0.4	
Std. Err. of Entry Mean		2.3		3.5	01	2	0.3	0.5	0.2	

Athens, Georgia:
Soybean Variety Performance, 2013, 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 = 7.9% and df for EMS = 90.
6. CV = 8.8% and df for EMS = 32.
7. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
8. CV = 8.6% and df for EMS = 98.

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 - May 21, 2013. Maturity Group VI - May 22, 2013. Maturity Group VII & VIII - May 22, 2013.
Harvested:	Maturity Group V - October 10, 2013. Maturity Group VI - October 24, 2013. Maturity Group VII & VIII - November 6, 2013.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Maturity Group V - Appling coarse sandy loam. Maturity Group VI - Cecil coarse sandy loam. Maturity Group VII & VIII - Cecil coarse sandy loam.
Soil Test:	Maturity Group V - P = High, K = Medium, and pH = 6.6. Maturity Group VI - P = High, K = High, and pH = 6.5. Maturity Group VII & VIII - P = Medium, K = High, and pH = 6.3.
Fertilization:	14 lb N, 52 lb P_2O_5, and 105 lb K_2O/acre.
Previous Crop:	Maturity Group V - Cotton. Maturity Group VI - Fallow. Maturity Group VII & VIII - Sorghum.
Management:	Chiseled and disked; Valor XLT, Prowl, Classic, and one cultivation used for weed control; Endigo used for insect control; Domark used for disease control; Telone II used for nematode control; irrigated 2 inches.

Test conducted by Z. Li, E.D. Wood, G.B. Bishop, S.L. Finnerty, W.E. Baxter, C.T. Collins, B.F. Wilson, H. J. Yeomans, and J.J. Griffin.

Calhoun, Georgia:
Soybean Variety Performance, 2013, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
Schillinger	5220.RC	**54.9**	2	**54.1**	09/24	44	1.0	15.6	1.5	1.0
Public Variety	Osage	**54.6**	14	48.3	09/24	36	1.0	14.1	1.0	1.0
Terral-REV®	59R13™	**52.4**	22[T]	44.8	10/03	42	1.0	14.3	1.3	1.0
Schillinger	557.RC	**52.3**	23	44.5	10/01	42	1.2	14.0	1.7	1.0
AGSouth	AGS 5911LL	**51.8**	28	42.8	10/01	41	1.0	13.8	1.2	1.0
Terral-REV®	57R21™	**50.9**	24	44.3	09/27	54	2.2	13.7	2.3	1.0
Go Soy	5410 LL	**50.1**	13	48.4	09/24	41	1.0	14.5	1.5	1.0
SS	SS5511NR2	**49.5**	26[T]	43.1	09/27	45	1.0	17.6	1.5	1.0
Pioneer	95Y70	47.5	30	41.6	10/03	46	2.3	12.7	1.8	1.0
Pioneer	95Y71	**46.9**	27	42.9	10/01	45	1.7	13.7	1.3	1.0
SS	LL595N	46.2	8[T]	49.1	10/01	42	1.0	14.7	1.5	1.0
Public Variety	Ozark	46.0	19	45.8	09/24	42	1.3	15.6	1.7	1.0
AR	UA 5612	45.9	40	37.8	10/01	44	3.0	12.5	1.5	1.0
Terral-REV®	56R21™	45.7	32	41.2	10/03	48	2.0	13.5	2.0	1.0
Terral-REV®	56R63™	42.7	34	40.3	10/01	49	2.5	14.3	1.5	1.0
Bayer	HBK RY5421	41.5	39	38.6	09/27	40	3.0	14.7	2.2	1.0
Pioneer	95Y61	40.2	37	39.2	09/27	49	2.5	13.9	2.3	1.0
NK S52-Y2 Brand	NK S52-Y2 Brand	.	1	**56.1**	09/19	43	1.2	15.5	1.8	1.0
Halo	5:45	.	3	**54.0**	09/30	44	1.2	14.7	1.2	1.0
Armor	X1413	.	4	**53.3**	09/19	47	1.0	15.5	3.0	1.0
Armor	53-R88	.	5	**53.1**	10/03	39	1.0	15.8	1.3	1.0
Bayer	HBK LL5350	.	6	50.1	09/27	33	1.0	14.0	1.5	1.0
Halo	5:26	.	7	50.0	09/27	39	1.0	15.0	1.2	1.0
Armor	53-R16	.	8[T]	49.1	09/24	42	1.0	13.3	1.7	1.0
Public Variety	NC Miller	.	9	49.0	09/27	38	1.0	16.6	1.5	1.0
Bayer	HBK LL4950	.	10	48.8	09/24	43	1.3	13.9	1.8	1.0
Croplan Genetics	R2C5103	.	11	48.7	09/19	45	1.0	15.4	2.2	1.0
Pioneer	P54T94R	.	12	48.6	09/26	40	1.0	14.7	1.7	1.0
AgSouth	AGS 533 LL	.	15	48.2	09/24	46	1.0	14.6	2.0	1.0
Pioneer	95Y80	.	16	48.1	10/06	42	2.2	14.9	2.0	1.0
Halo	5:01	.	17[T]	47.9	09/24	44	1.5	14.7	1.5	1.0
Croplan Genetics	R2C5673	.	17[T]	47.9	09/29	46	1.7	13.4	2.2	1.0
Go Soy	5312 LL	.	18	46.1	10/01	49	2.7	14.2	2.5	1.0
AR	R04-1268RR	.	20	45.3	09/29	39	2.7	13.6	1.8	1.0
Armor	55-R22	.	21	45.0	09/29	42	1.3	17.1	1.5	1.0
AgSouth	AGS 568RR	.	22[T]	44.8	09/29	49	2.2	14.3	2.0	1.0
Asgrow	AG5534	.	22[T]	44.8	09/27	44	1.2	14.4	2.3	1.0
NK	S57-K3 Brand	.	25	43.6	09/29	43	2.2	14.8	1.7	1.0
AR	R04-1250RR	.	26[T]	43.1	09/29	43	1.5	16.2	1.7	1.0
Bayer	HBK RY5221	.	29	42.0	09/27	53	1.8	16.7	3.5	1.0
SS	5513N R2	.	31	41.5	09/29	45	1.8	13.4	2.0	1.0
SS	5711 R2	.	33	40.9	09/28	43	1.7	14.0	1.7	1.0
Asgrow	AG5634	.	35	40.2	09/29	52	2.8	16.8	2.8	1.0
Halo	X530	.	36	39.9	09/24	60	1.7	15.5	2.3	1.0
SS	5911 R2	.	38	39.0	10/03	43	1.0	10.4	2.0	1.0
Armor	X1425	.	41	37.7	10/04	41	1.0	10.5	2.0	1.0
Average		48.2		45.5[5]	09/28	44	1.6	14.5	1.8	1.0
LSD at 10% Level		8.2		5.9	04	4	0.7	0.9	0.5	-
Std. Err. of Entry Mean		2.7		2.5	02	2	0.3	0.4	0.2	-

Calhoun, Georgia:
Soybean Variety Performance, 2013, Irrigated (Continued)

Company or Brand Name	Variety	2-Year Average Yield	2013 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 VI										
NK	S67-R6 Brand	**48.9**	3	37.9	10/07	47	2.7	14.3	1.3	1.0
SS	SS 6810NR2	**47.5**	7	34.7	10/10	45	1.3	14.1	1.5	1.0
CG	R2C6810	**45.9**	8[T]	33.5	10/09	46	1.5	13.2	1.3	1.0
Dyna-Gro	36RY68	44.4	11	31.6	10/11	45	1.5	14.1	1.7	1.0
Public Variety	Musen	42.2	15	27.6	10/11	48	3.2	11.9	1.5	1.0
CG	R2C6192	.	1	**44.1**	10/03	41	1.0	11.4	1.5	1.2
Dyna-Gro	S65RY73	.	2	38.6	10/08	44	2.2	11.8	2.0	1.0
Dyna-Gro	S61RY93	.	4	36.1	10/04	39	1.0	10.7	2.0	1.0
Armor	X1426	.	5	36.0	10/04	39	1.2	10.9	1.8	1.2
Asgrow	AG6534	.	6	34.8	10/09	41	1.0	12.9	1.5	1.0
CG	3R2C67	.	8[T]	33.5	10/08	44	1.3	12.7	1.5	1.0
SS	6713N R2	.	9	33.4	10/09	38	1.0	13.9	1.3	1.0
NK	S68-D4	.	10	32.4	10/07	46	2.8	15.4	1.7	1.0
Asgrow	AG6834	.	12	31.5	10/09	50	1.8	14.1	1.8	1.0
Public Variety	NC Roy	.	13	28.1	10/11	46	3.8	10.8	1.5	1.0
Dyna-Gro	S69RY34	.	14	27.7	10/10	53	2.8	12.3	1.8	1.0
Armor	X1427	.	16	27.4	10/08	45	1.3	13.0	1.5	1.0
Average		45.8		33.5[6]	10/08	45	1.9	12.8	1.6	1.0
LSD at 10% Level		3.9		4.3	02	3	0.6	1.0	0.3	-
Std. Err. of Entry Mean		2.8		1.8	01	1	0.3	0.4	0.1	-

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 = 90.
6. CV = 9.3% and df for EMS = 32.

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 29, 2013.

Harvested: Maturity Group V - October 16, 2013.
Maturity Group VI - November 5, 2013.

Seeding Rate: Eight seeds per foot in 30" rows.

Soil Type: Rome gravelly clay loam.

Soil Test: P = High, K = High, and pH = 5.7.

Fertilization: 13 lb N, 33 lb P_2O_5, and 85 lb K_2O/acre.

Previous Crop: Fallow.

Management: Chisel plowed, disked, rototilled; Prowl H20, Select Max, Classic, and 2 cultivations used for weed control; Endigo and Warrior used for insect control; irrigated 1 inch.

Test conducted by J. Gassett, G. Ware, and J. Stubbs.

Tifton, Georgia:
Dryland Soybean Variety Performance, 2013

Company or Brand Name	Variety	2-Year Average Yield	2013 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	**64.0**	1	**76.6**	09/23	36	1.7	15.3	1.3	1.0
AGSouth	AGS 5911LL	**62.0**	5	**70.7**	09/27	33	1.0	13.9	1.5	1.0
SS	LL595N	**60.7**	2	**74.4**	09/24	38	1.0	13.9	1.7	1.0
SS	SS5511NR2	**60.3**	4	**72.4**	09/22	32	1.0	17.2	1.5	1.0
Public Variety	Osage	**59.6**	3	**73.0**	09/20	25	1.0	12.4	1.5	1.0
Terral-REV®	57R21™	**57.3**	8	65.6	09/23	38	2.0	14.5	2.0	1.0
Pioneer	95Y70	**56.3**	10	60.7	09/27	38	2.3	13.1	1.2	1.0
Bayer	HBK RY5421	**56.2**	6	**70.0**	09/19	31	1.0	14.8	1.8	1.0
Public Variety	Ozark	**55.7**	9	62.7	09/16	31	1.0	15.2	2.3	1.0
AgSouth	AGS 568RR	.	7	67.0	09/24	37	2.3	15.5	1.7	1.0
Average		59.1		69.3[5]	09/22	34	1.4	14.6	1.7	1.0
LSD at 10% Level		N.S.[6]		7.3	04	3	0.6	-	-	-
Std. Err. of Entry Mean		2.1		3.0	01	1	0.2	-	-	-
Maturity Group VI										
Dyna-Gro	36RY68	**73.7**	1	**90.3**	10/11	35	1.0	16.0	1.7	1.0
CG	R2C6810	**70.4**	3	76.7	10/08	35	1.0	15.8	1.7	1.0
SS	SS 6810NR2	**68.3**	4	74.8	10/10	37	1.7	15.2	1.7	1.0
NK	S67-R6 Brand	**60.6**	5	72.9	10/01	39	2.0	15.1	1.5	1.0
Dyna-Gro	S65RY73	.	2	83.4	10/02	33	1.0	13.8	1.2	1.0
Dyna-Gro	S61RY93	.	6	70.2	10/02	28	1.0	13.6	1.7	1.0
CG	R2C6192	.	7	69.7	10/02	29	1.0	13.1	1.7	1.0
Asgrow	AG6534	.	8	67.7	10/03	31	1.0	14.0	1.7	1.0
SS	6713N R2	.	9	54.4	09/28	32	1.0	12.3	1.0	1.0
Public Variety	NC Roy	.	10	42.2	09/28	33	3.0	12.6	1.7	1.0
Average		68.2		70.2[7]	10/03	33	1.4	14.1	1.5	1.0
LSD at 10% Level		N.S.		6.7	03	3	0.5	-	-	-
Std. Err. of Entry Mean		2.4		2.7	01	1	0.2	-	-	-
Maturity Group VII and VIII										
Public Variety	Santee	**64.9**	4	71.5	10/11	37	2.7	15.3	1.7	1.0
AgSouth	AGS Woodruff	**64.6**	1	**75.4**	10/14	36	2.0	16.3	1.5	1.0
Asgrow	AG7733	**64.0**	3	**71.8**	10/13	40	1.3	17.0	1.5	1.0
Pioneer	97M50	**61.1**	2	**73.0**	10/14	37	2.7	13.3	1.5	1.0
NK	S78-G6 Brand	**58.5**	5	71.4	10/15	37	1.3	19.3	2.2	1.0
AgSouth	AGS787 RR	**58.1**	6	70.7	10/11	34	1.3	14.9	1.5	1.0
SS	SS7511NR2	51.6	8	67.3	10/13	35	1.3	15.4	1.5	1.0
AgSouth	AGS Prichard RR	47.4	10	55.8	10/17	41	3.0	12.7	1.3	1.0
Dyna-Gro	34RY75	.	7	69.6	10/15	38	1.7	14.3	1.5	1.0
Public Variety	Motte	.	9	62.9	10/15	43	3.0	13.4	1.5	1.0
Average		58.8		68.9[8]	10/14	38	2.0	15.2	1.6	1.0
LSD at 10% Level		8.1		3.6	02	2	0.7	-	-	-
Std. Err. of Entry Mean		1.8		1.5	01	1	0.3	-	-	-

Tifton, Georgia:
Dryland Soybean Variety Performance, 2013
(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 = 7.5% 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 = 6.7% and df for EMS = 18.
8. CV = 3.7% 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:	May 16, 2013.
Harvested:	Maturity Groups V & VI - October 17, 2013. Maturity Group VII & VIII - November 15, 2013.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton sandy loam.
Soil Test:	P = High, K = Medium, and pH = 6.2.
Fertilization:	0 lb N, 0 lb P_2O_5, and 100 lb K_2O/acre.
Previous Crop:	Soybeans.
Management:	Disked, subsoiled and bedded, rototilled; Prowl, Select, Basagran and Ultra Blazer used for weed control; Tracer and Bifenthrin used for insect control; Domark used for fungal control; Telone II used for nematode control.

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

Plains, Georgia:
Dryland Soybean Variety Performance, 2013

Company or Brand Name	Variety	2-Year Average Yield	2013 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										
Public Variety	Osage	**51.5**	1	**75.6**	09/19	27	1.0	.	.	1.0
Pioneer	95Y70	**50.9**	9	64.8	09/24	40	3.0	.	.	1.0
Terral-REV®	57R21™	**50.4**	5	70.4	09/23	38	2.7	.	.	1.0
Public Variety	Ozark	**49.5**	2	**74.3**	09/17	29	1.3	.	.	1.0
Pioneer	95Y71	**49.5**	3	**72.7**	09/21	33	2.0	.	.	1.0
SS	LL595N	**47.5**	8	66.7	09/20	35	1.0	.	.	1.0
SS	SS5511NR2	**47.4**	7	67.7	09/21	33	1.0	.	.	1.0
Bayer	HBK RY5421	**47.1**	4	70.7	09/20	34	1.3	.	.	1.0
AGSouth	AGS 5911LL	**46.4**	6	68.3	09/22	33	1.3	.	.	1.0
AgSouth	AGS 568RR	.	10	64.4	09/23	37	1.7	.	.	1.0
Average		48.9		69.6 [5]	09/21	34	1.6	.	.	1.0
LSD at 10% Level		N.S.[6]		4.0	02	3	0.6			-
Std. Err. of Entry Mean		1.2		1.6	01	1	0.2			-
Maturity Group VI										
NK	S67-R6 Brand	**49.9**	1	**68.3**	10/02	41	1.7	.	.	1.0
SS	SS 6810NR2	**48.4**	9	54.4	10/02	39	1.0	.	.	1.0
Dyna-Gro	36RY68	**48.2**	10	53.2	10/03	37	1.7	.	.	1.0
CG	R2C6810	**47.9**	8	56.4	10/02	37	1.7	.	.	1.0
CG	R2C6192	.	2	**67.5**	09/29	33	1.0	.	.	1.0
Public Variety	NC Roy	.	3	63.6	10/02	36	3.0	.	.	1.0
Dyna-Gro	S65RY73	.	4	62.7	09/29	34	1.7	.	.	1.0
Asgrow	AG6534	.	5	62.2	10/03	30	1.0	.	.	1.0
Dyna-Gro	S61RY93	.	6	60.9	09/30	26	1.0	.	.	1.0
SS	6713N R2	.	7	59.4	10/01	31	1.0	.	.	1.0
Average		48.6		60.8 [7]	10/01	34	1.5	.	.	1.0
LSD at 10% Level		N.S.		4.3	02	3	0.5			-
Std. Err. of Entry Mean		1.0		1.8	01	1	0.2			-
Maturity Group VII and VIII										
AgSouth	AGS Woodruff	**50.2**	3	**58.6**	10/16	36	2.0	.	.	1.0
SS	SS7511NR2	**49.8**	2	**60.2**	10/14	35	1.7	.	.	1.0
Public Variety	Santee	**49.6**	6	53.7	10/09	41	2.7	.	.	1.0
Asgrow	AG7733	**48.9**	4	**57.0**	10/13	36	1.0	.	.	1.0
AgSouth	AGS Prichard RR	**46.5**	7	52.9	10/19	43	2.3	.	.	1.0
AgSouth	AGS787 RR	43.2	8	51.2	10/12	34	1.0	.	.	1.0
NK	S78-G6 Brand	42.6	10	49.6	10/11	37	1.7	.	.	1.0
Pioneer	97M50	41.9	9	50.7	10/13	34	2.3	.	.	1.0
Public Variety	Motte	.	1	**61.2**	10/18	37	2.3	.	.	1.0
Dyna-Gro	34RY75	.	5	55.0	10/13	34	1.0	.	.	1.0
Average		46.6		55.0 [8]	10/13	37	1.8	.	.	1.0
LSD at 10% Level		5.0		5.0	02	3	0.8			-
Std. Err. of Entry Mean		2.0		2.1	01	1	0.3			-

Plains, Georgia:
Dryland Soybean Variety Performance, 2013
(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 = 4.1% 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 = 5.0% and df for EMS = 18.
8. CV = 6.6% 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:	May 20, 2013.
Harvested:	October 25, 2013.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Medium, K = Very High, and pH = 6.3.
Fertilization:	10 lb N, 46 lb P_2O_5, and 0 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Disked, chisel plowed, rototilled; First Rate used for weed control; Endigo used for insect control; Momark used for fungal control; applied 600 lb/acre lime.

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

Midville, Georgia:
Dryland Soybean Variety Performance, 2013

Company or Brand Name	Variety	2-Year Average Yield	2013 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	95Y70	**35.1**	1	**49.3**	10/07	27	1.0	.	.	1.0
SS	SS5511NR2	**30.4**	4	39.8	10/04	23	1.0	.	.	1.0
Public Variety	Ozark	**29.3**	3	**42.4**	10/02	18	1.0	.	.	1.0
AGSouth	AGS 5911LL	**28.9**	2	**49.2**	10/07	25	1.0	.	.	1.0
Public Variety	Osage	**25.5**	7	34.8	10/04	17	1.0	.	.	1.0
Bayer	HBK RY5421	**24.5**	9[T]	25.0	09/30	19	1.0	.	.	1.0
SS	LL595N	**24.0**	6	35.2	10/07	24	1.0	.	.	1.0
Terral-REV®	57R21™	**22.7**	8	25.2	10/04	21	1.0	.	.	1.0
Pioneer	95Y71	**20.6**	9[T]	25.0	10/02	20	1.0	.	.	1.0
AgSouth	AGS 568RR	.	5	37.6	10/04	22	1.0	.	.	1.0
Average		26.8		36.3[5]	10/04	22	1.0	.	.	1.0
LSD at 10% Level		N.S.[6]		9.2	03	4	-			-
Std. Err. of Entry Mean		2.1		3.8	01	1	-			-
Maturity Group VI										
CG	R2C6810	**41.1**	5	**37.1**	10/15	21	1.0	.	.	1.0
NK	S67-R6 Brand	**41.0**	4	**37.7**	10/13	30	1.0	.	.	1.0
SS	SS 6810NR2	**40.8**	2	**42.7**	10/14	22	1.0	.	.	1.0
Dyna-Gro	36RY68	**38.5**	7[T]	**32.7**	10/15	23	1.0	.	.	1.0
Dyna-Gro	S61RY93	.	1	**43.9**	10/13	19	1.0	.	.	1.0
Public Variety	NC Roy	.	3	**38.0**	10/13	27	1.0	.	.	1.0
Dyna-Gro	S61RY73	.	6	**33.2**	10/11	18	1.0	.	.	1.0
SS	6713N R2	.	7[T]	**32.7**	10/11	22	1.0	.	.	1.0
CG	R2C6192	.	8	**28.6**	10/09	19	1.0	.	.	1.0
Asgrow	AG6534	.	9	**27.5**	10/15	20	1.0	.	.	1.0
Average		40.4		35.4[7]	10/13	22	1.0	.	.	1.0
LSD at 10% Level		N.S.		N.S.	03	5	-			-
Std. Err. of Entry Mean		5.4		9.4	01	2	-			-
Maturity Group VII and VIII										
Pioneer	97M50	**57.1**	2	**52.1**	10/15	29	1.0	.	.	1.0
AgSouth	AGS Prichard RR	**56.9**	1	**56.6**	10/25	32	1.7	.	.	1.0
NK	S78-G6 Brand	**51.2**	3	**51.7**	10/15	25	1.0	.	.	1.0
AgSouth	AGS Woodruff	**51.2**	7[T]	35.9	10/20	24	1.0	.	.	1.0
Asgrow	AG7733	**45.2**	5	41.6	10/14	25	1.0	.	.	1.0
AgSouth	AGS787 RR	**44.2**	4	**43.8**	10/14	25	1.0	.	.	1.0
Public Variety	Santee	**42.4**	6	39.8	10/14	34	1.7	.	.	1.0
SS	SS7511NR2	**35.6**	9	21.7	10/17	23	1.0	.	.	1.0
Dyna-Gro	34RY75	.	7[T]	35.9	10/16	25	1.0	.	.	1.0
Public Variety	Motte	.	8	33.3	10/18	28	1.0	.	.	1.0
Average		48.0		41.2[8]	10/17	27	1.1	.	.	1.0
LSD at 10% Level		N.S.		14.7	02	6	-			-
Std. Err. of Entry Mean		3.2		6.0	01	2	-			-

Midville, Georgia:
Dryland Soybean Variety Performance, 2013
(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 = 17.9% 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 = 45.7% and df for EMS = 18.
8. CV = 25.2% 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 17, 2013.
Harvested:	October 29, 2013.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton sandy loam.
Soil Test:	P = High, K = Medium, and pH = 6.5.
Fertilization:	30 lb N, 30 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Disked, field conditioned, subsoiled and bedded; Prowl, Basagran, Prefix and Warrant used for weed control; Bidrin, Belt, Bifenthrin, and Dimlin used for insect control; Tebuconazole used for fungal control; Telone II used for nematode control.

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

Griffin, Georgia:
Dryland Soybean Variety Performance, 2013

Company or Brand Name	Variety	2-Year Average Yield	2013 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	SS5511NR2	**59.8**	4	**67.2**	10/04	40	1.3	20.6	1.5	1.0
Pioneer	95Y71	**59.7**	2	**68.5**	10/03	39	1.2	16.4	2.0	1.0
AGSouth	AGS 5911LL	**58.4**	1	**70.2**	10/02	39	1.0	15.2	2.0	1.0
SS	LL595N	**55.8**	5	**65.4**	10/03	39	1.3	15.7	1.8	1.0
Pioneer	95Y70	**55.8**	8	62.2	10/04	47	3.8	17.0	2.0	1.0
Public Variety	Osage	**55.4**	3	**67.5**	09/30	36	1.5	15.5	2.0	1.0
Public Variety	Ozark	**54.6**	9	60.4	10/02	36	3.0	19.0	2.0	1.0
Terral-REV®	57R21™	**53.1**	6	**64.7**	09/30	48	1.5	16.5	1.8	1.0
Bayer	HBK RY5421	**52.5**	10	54.1	10/03	45	2.8	18.3	1.8	1.0
AgSouth	AGS 568RR	.	7	62.6	10/05	38	1.0	17.6	1.8	1.0
Average		56.1		64.3 [5]	10/03	41	1.9	17.2	1.9	1.0
LSD at 10% Level		N.S.[6]		6.9	03	4	0.6	1.2	0.3	-
Std. Err. of Entry Mean		1.7		2.8	01	1	0.3	0.5	0.1	-
Maturity Group VI										
NK	S67-R6 Brand	**60.3**	3	60.1	10/15	44	2.3	17.2	1.5	1.0
SS	SS 6810NR2	**58.1**	6	57.4	10/15	43	2.0	15.0	1.7	1.0
CG	R2C6810	53.4	9	54.9	10/15	41	2.3	16.1	2.0	1.0
Dyna-Gro	36RY68	49.9	10	48.8	10/15	42	2.3	15.2	1.8	1.0
CG	R2C6192	.	1	**70.4**	10/04	39	1.0	13.1	2.0	1.0
Dyna-Gro	S61RY93	.	2	**66.6**	10/06	37	2.0	14.2	2.0	1.0
Public Variety	NC Roy	.	4	58.7	10/07	36	2.8	14.0	1.3	1.0
SS	6713N R2	.	5	58.1	10/08	40	1.3	13.7	1.7	1.0
Dyna-Gro	S61RY73	.	7	56.3	10/04	38	2.0	13.6	1.7	1.0
Asgrow	AG6534	.	8	56.2	10/09	40	1.5	15.0	1.7	1.0
Average		55.4		58.8 [7]	10/10	40	2.0	14.7	1.7	1.0
LSD at 10% Level		3.7		6.4	03	3	0.6	1.8	N.S.	-
Std. Err. of Entry Mean		1.5		2.6	01	1	0.2	0.7	0.2	-
Maturity Group VII and VIII										
AgSouth	AGS Woodruff	**55.1**	2	**58.4**	10/26	39	2.9	17.7	1.5	1.0
Asgrow	AG7733	**54.0**	3	**56.0**	10/24	34	1.8	16.6	1.7	1.0
Public Variety	Santee	**52.2**	7	51.8	10/23	46	3.3	13.9	1.5	1.0
AgSouth	AGS Prichard RR	**52.1**	5	53.7	10/30	38	2.5	14.0	1.5	1.0
AgSouth	AGS787 RR	**51.1**	4	55.0	10/22	37	1.3	14.4	1.3	1.0
Pioneer	97M50	**50.9**	10	49.6	10/22	36	3.2	13.6	1.3	1.0
SS	SS7511NR2	**48.3**	6	53.3	10/29	36	1.5	17.5	1.3	1.0
NK	S78-G6 Brand	**43.3**	8	50.6	10/24	39	1.7	17.5	1.3	1.0
Dyna-Gro	34RY75	.	1	**59.9**	10/26	43	3.2	13.3	1.7	1.0
Public Variety	Motte	.	9	49.9	10/28	39	2.7	14.9	2.0	1.0
Average		50.9		53.8 [8]	10/25	39	2.4	15.3	1.5	1.0
LSD at 10% Level		N.S.		4.6	02	5	1.0	1.5	0.3	-
Std. Err. of Entry Mean		1.8		1.9	01	2	0.4	0.6	0.1	

Griffin, Georgia:
Dryland Soybean Variety Performance, 2013
(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 = 7.6% 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 = 7.6% and df for EMS = 18.
8. CV = 6.0% 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 & VI - May 23, 2013. Maturity Group VII & VIII - June 24, 2013.
Harvested:	Maturity Groups V - October 15, 2013. Maturity Group VI - October 29, 2013. Maturity Group VII &VIII - November 6, 2013.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Cecil clay loam.
Soil Test:	P = Medium, K = High, and pH = 6.1.
Fertilization:	30 lb N, 30 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Sorghum.
Management:	Chisel plowed, disked, rototilled; Lasso and one cultivation used for weed control; Karate used for insect control; Domark used for fungal control.

Test conducted by J. Gassett and G. Ware.

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2013

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	AGS533LL	5.0	4.0	1.8	R	R
AgSouth	AGS 568RR	1.5	4.8	5.0	R	R
AGSouth	AGS 5911LL	5.0	4.8	5.0	S	S
AgSouth	AGS 767 RR	1.0	1.8	1.8	R	S
AGSouth	AGS 828 RR	1.3	2.5	5.0	R	R
AgSouth	AGS Prichard RR	1.0	4.5	4.8	R	R
AgSouth	AGS Woodruff	1.5	3.0	4.3	R	S
AgSouth	AGS787 RR	1.3	1.5	1.5	R	S
AgSouth	AGS 70R26	1.0	4.0	3.0	S	S
AgSouth	AGS 75R27	2.0	2.5	2.5	R	S
AR	R04-1250RR	5.0	5.0	5.0	S	S
AR	R04-1268RR	5.0	4.5	4.3	S	S
AR	UA 5612	5.0	4.3	3.0	S	S
Armor	53-R88	5.0	4.5	5.0	R	S
Armor	55-R22	1.8	3.5	4.8	S	S
Armor	X1316	1.5	4.8	3.8	R	S
Armor	X1413	5.0	3.8	2.8	R	S
Armor	X1425	1.5	3.8	1.3	S	S
Armor	X1426	1.0	1.3	1.3	R	S
Armor	X1427	1.0	3.3	2.0	S	S
Armor	X1428	1.0	5.0	3.5	MR	S
Asgrow	AG5534	5.0	4.8	5.0	R	S
Asgrow	AG5634	1.5	4.8	4.8	R	S
Asgrow	AG6534	2.5	2.8	3.3	S	S
Asgrow	AG6834	2.0	5.0	5.0	R	S
Asgrow	AG7733	2.3	4.8	4.8	S	S
Asgrow	AG7934	2.0	3.5	3.8	S	MR
Bayer	HBK LL4950	5.0	2.0	3.0	S	S
Bayer	HBK LL5350	3.3	3.0	1.8	S	S
Bayer	HBK R7028	4.8	4.8	2.5	S	S
Bayer	HBK RY5221	5.0	5.0	4.8	S	S
Bayer	HBK RY5421	5.0	2.5	3.5	S	S
Bayer	HBK RY7523	3.0	2.3	4.8	S	S
CG	3R2C67	1.5	4.3	4.5	S	S
CG	R2C6810	3.3	3.5	2.3	S	S
CG	R2C7390	1.5	4.8	4.5	R	S
CG	3R2C70	1.5	4.5	4.8	S	S
CG	R2C6192	2.0	4.0	1.3	S	S
Croplan Genetics	R2C5103	5.0	4.0	3.5	R	S
Croplan Genetics	R2C5673	5.0	5.0	4.8	R	S
Croplan Genetics	R2C7622	1.3	4.3	4.8	R	S
Dyna-Gro	34RY75	2.5	5.0	5.0	R	S
Dyna-Gro	36RY68	2.3	3.5	2.0	S	S
Dyna-Gro	S61RY93	1.5	2.3	2.0	S	S
Dyna-Gro	S65RY73	2.0	4.5	2.8	R	S

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2013 (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	S69RY34	2.0	5.0	4.0	R	S
Dyna-Gro	SX13875R	3.5	5.0	2.3	S	S
Go Soy	5410 LL	5.0	4.0	3.8	S	S
Go Soy	5312 LL	5.0	3.3	2.0	R	S
Halo	5:26	4.3	4.8	4.8	S	S
Halo	5:45	5.0	5.0	4.8	S	S
Halo	5:01	5.0	3.3	1.8	R	S
Halo	X530	5.0	3.5	3.0	S	S
NK	S57-K3 Brand	2.8	5.0	4.8	R	R
NK	S67-R6 Brand	5.0	5.0	4.5	R	S
NK	S68-D4	1.3	3.3	4.5	R	S
NK	S74-M3 Brand	1.3	4.5	4.8	S	S
NK	S77-T7 Brand	1.5	5.0	4.8	R	S
NK	S78-G6 Brand	1.0	4.3	4.8	R	R
NK	S52-Y2 Brand	5.0	5.0	4.3	R	R
Pioneer	95Y61	2.8	2.3	2.0	R	S
Pioneer	95Y71	1.8	5.0	5.0	S	S
Pioneer	95Y80	1.5	3.8	4.5	R	S
Pioneer	97M50	1.0	4.5	5.0	R	S
Pioneer	P54T94R	1.8	4.0	4.8	R	S
Pioneer	P54T94R	1.8	4.0	4.3	R	R
Pioneer	95Y70	1.0	4.0	4.8	S	S
Public Variety	N7003CN	2.3	5.0	4.8	R	R
Public Variety	NC Miller	4.3	4.5	5.0	R	S
Public Variety	OSAGE	5.0	4.8	2.3	S	S
Public Variety	OZARK	5.0	5.0	5.0	S	S
Public Variety	Cook	3.0	5.0	5.0	S	S
Public Variety	Motte	2.0	3.3	2.5	R	S
Public Variety	Musen	1.5	4.8	4.8	R	R
Public Variety	NC Raleigh	4.8	5.0	4.8	S	S
Public Variety	NC Roy	5.0	5.0	4.8	S	S
Public Variety	Santee	2.0	4.5	5.0	R	S
SC	SC03-062	5.0	5.0	4.8	R	S
SC	SC04-306	1.8	4.5	4.5	S	S
SC	SC07-108	1.8	4.5	5.0	MR	R
SC	SC07-1518	1.0	4.3	5.0	R	S
Schillinger	5220.RC	5.0	4.5	2.8	R	R
Schillinger	557.RC	4.5	2.3	2.0	R	R
SS	5513N R2	5.0	4.8	4.8	R	S
SS	5711 R2	1.0	4.8	4.8	MR	S

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2013 (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] -----	
SS	5911 R2	1.0	4.5	2.3	R	S
SS	6713N R2	1.0	3.5	3.3	S	S
SS	LL595N	4.8	4.3	5.0	S	S
SS	SS 6810NR2	2.0	2.8	3.0	S	S
SS	SS5511NR2	1.3	3.8	3.3	S	S
SS	SS7511NR2	2.8	3.8	4.5	S	S
Terral-REV®	56R21™	3.8	5.0	5.0	S	S
Terral-REV®	56R63™	1.8	4.5	4.5	R	S
Terral-REV®	57R21™	2.0	5.0	5.0	S	S
Terral-REV®	59R13™	5.0	4.8	5.0	S	S
UGA	G00-3213	1.0	1.5	2.3	R	S
UGA	G00-3880	2.0	2.0	3.0	R	S
UGA	G06-3182RR	1.0	2.5	3.5	R	S
UGA	G08-3279RR	1.0	4.5	4.8	R	S
UGA	G08-4200RR	1.0	3.5	3.5	R	S
UGA	G08-5122RR	1.0	3.0	4.8	R	S
UGA	G10PR-224R2	1.0	1.3	2.3	R	S
UGA	G10PR-56248R2	1.3	1.3	1.0	S	S
UGA	G10PR-56264R2	1.0	2.3	1.0	R	R
UGA	G10PR-56330R2	1.0	2.5	4.8	S	S
UGA	G10PR-56444R2	1.0	5.0	4.5	S	S
UGA	G10PR-86R2	1.0	3.3	3.5	R	S
UGA	G12PR-6354AR2	1.3	1.3	1.0	R	S
UGA	G12PR-6354BR2	1.5	2.0	2.0	R	S
UGA	G09-3202R2	1.0	1.5	1.3	R	S
UGA	G12PR-7R2	1.3	1.3	1.3	R	S
USG	77S13R	1.3	5.0	4.3	S	S
USG	77S40R2	1.8	4.5	3.5	S	S
USG	77S63R	2.0	3.0	1.8	S	S
Check Varieties	AGS Benning	1.0	4.5	3.3	R	S
	Boggs	1.0	2.5	1.5	R	S
	Bossier	5.0	5.0	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	5.0	5.0	5.0	S	S
	Hagood	2.3	5.0	4.8	R	S
	Hartwig	1.8	4.3	3.8	R	R
	Haskell	1.8	1.8	2.0	S	S
	Prichard	1.0	4.8	5.0	R	R
	LSD (0.10)	0.7	0.7	0.6		

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2013 (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 = 48 (+), Pickett = 90 (+), PI88788 = 9 (-), PI90763 = 8 (-).
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 femailes or cysts per plant).
   S = Susceptible (generally > 20% white females or cysts per plant).

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

Sources of Seed for the 2013 Soybean Variety Tests

Brand or Variety Name	Company and Address
AGSouth, AGS	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/Asgrow, 1711 Easton Court, Auburn, AL 36830.
Bayer	Bayer CropScience, 607 East 44th Street, Tifton, GA 31794.
CG	Winfield Solutions, LLC, 2281 County Road 33, Killen, AL 35645.
Croplan Genetics	Winfield Solutions, LLC, 17939 Morris Road, Elkmont, AL 35620.
Dyna-Gro	CPS Dyna-Gro Seed, 114 W. 12th Street, Suite D, Tifton, GA 31974.
GoSoy, Schillinger	Stratton Seed Company, 1530 Hwy 79 South, Stuttgart, AR 72160.
NK	Syngenta Seeds, Inc., 149 Fairethorne Drive, Leesburg, GA 31763.
Pioneer	Dupont Pioneer, 59 Greif Parkway, Suite 200, Delaware, OH 43015.
SC	Clemson University, Dept. SAFES, Room 213-B P&AS, Box 34031 as, Clemson, SC 29634.
SS	Southern States Coop, PO Box 26234, 6606 West Broad Street, Richmond, VA 23260.
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.
Public Varieties	
Cook	Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605.
Motte, Musen, Santee	Clemson University, Dept. SAFES, Room 213-B P&AS, Box 34031 as, Clemson, SC 29634.
NC Miller, NC Raleigh, NC Roy, N7003CN	NC Foundation Seed, 8220 Riley Hill Road, Zebulon, NC 27597.
Osage, Ozark	University of Arkansas, 115 Plant Science Bldg., Fayetteville, AR 72701.

GRAIN SORGHUM

Tifton, Georgia:
Grain Sorghum Hybrid Performance, 2013 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	**150.1**	.	52.6	78	62	0	1.3
SS	SS650	**148.0**	.	51.6	77	62	5	1.0
Gayland Ward	GW 9417	**142.9**	.	52.0	75	63	8	1.3
Sorghum Partners	X840	**134.7**	.	51.6	86	78	0	1.3
Sorghum Partners	NK6638	129.1	.	51.5	80	55	0	1.3
Sorghum Partners	NK8416	126.9	.	50.7	80	64	5	1.0
Sorghum Partners	NK266	125.5	.	50.8	74	58	0	1.5
Sorghum Partners	NK7633	124.5	.	51.5	70	58	0	1.0
Dyna-Gro	GX13661	124.5	.	49.2	79	65	0	1.3
Pioneer	83P17	123.8	**121.0**	50.1	83	60	0	1.3
Sorghum Partners	NK8817	122.8	.	49.7	84	77	0	1.3
Southern States	SS560	120.5	.	54.1	76	54	0	1.3
Gayland Ward	Exp 9059	120.1	.	51.6	74	53	0	1.3
SS	SS800	120.0	.	50.5	78	59	0	1.0
Sorghum Partners	SP7868	119.1	.	53.0	83	58	1	1.0
Sorghum Partners	X742	112.7	.	49.6	78	58	3	1.5
Dyna-Gro	M77GB52	108.7	.	50.8	81	56	0	1.3
Sorghum Partners	X445	108.1	.	50.5	76	51	0	1.0
Sorghum Partners	NK7829	104.9	.	50.3	81	59	0	1.0
DeKalb	DKS53-67	104.3	**121.8**	51.5	78	58	0	1.3
Sorghum Partners	NK8828	103.7	.	52.6	80	57	0	1.0
Sorghum Partners	K35-Y5	99.3	.	51.6	68	51	3	1.3
Sorghum Partners	NK8831	94.6	.	45.0	80	47	0	1.8
Sorghum Partners	SP3425	94.1	.	54.2	70	41	0	1.3
Sorghum Partners	KS310	91.8	.	55.1	63	51	0	1.3
Dyna-Gro	M75GB39	90.4	.	51.9	74	49	5	1.0
Average		117.1[4]	121.4	51.3	77	58	1	1.2
LSD at 10% Level		15.8	N,S.[5]	2.4	3	5	N.S.	0.6
Std. Err. of Entry Mean		6.7	4.3	1.0	1	2	2	0.3

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 = 11.4% and df for EMS = 75.
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: April 19, 2013.
Harvested: August 8, 2013.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Fuquay loamy sand.
Soil Test: P = Low, K = Medium, and pH = 6.1.
Fertilization: Preplant: 24 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 130 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled and bedded, rototilled; Atrazine and Prowl used for weed control.

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

Tifton, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2013
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	X840	**123.3**	.	56.8	79	71	0	1.0
Pioneer	83P17	**118.9**	**81.7**	52.5	76	59	0	1.8
Sorghum Partners	NK8416	108.5	.	57.3	77	66	0	2.3
Pioneer	84P80	107.6	.	57.5	76	57	4	1.5
DeKalb	DKS53-67	107.3	**76.1**	57.0	77	57	0	1.3
Dyna-Gro	M77GB52	107.2	.	56.7	76	56	0	1.8
Sorghum Partners	NK8828	105.7	.	57.1	88	58	0	1.5
Gayland Ward	Exp 9059	104.4	.	50.3	76	52	1	1.3
Sorghum Partners	SP7868	104.0	.	57.8	74	56	0	1.3
Dyna-Gro	GX13661	102.0	.	50.8	88	56	1	2.0
Sorghum Partners	NK8817	99.0	.	52.9	88	74	0	1.8
Sorghum Partners	NK7633	98.7	.	53.4	72	52	1	2.0
Sorghum Partners	X445	94.4	.	55.3	77	50	0	1.3
Sorghum Partners	NK6638	94.2	.	56.1	74	59	0	1.5
Sorghum Partners	NK8831	93.9	.	54.6	85	49	3	1.5
Sorghum Partners	NK7829	86.3	.	54.5	89	56	1	1.5
SS	SS800	85.9	.	51.6	71	56	11	1.0
Sorghum Partners	NK266	80.1	.	48.0	67	57	1	1.3
Sorghum Partners	KS310	79.4	.	46.5	61	50	1	1.0
Sorghum Partners	SP3425	74.1	.	49.1	67	44	5	1.8
SS	SS650	73.3	.	56.2	75	57	33	1.0
Southern States	SS560	72.7	.	51.9	65	51	13	1.0
Sorghum Partners	K35-Y5	71.4	.	48.2	68	46	19	1.0
Sorghum Partners	X742	67.5	.	49.4	72	55	28	1.3
Gayland Ward	GW 9417	48.4	.	54.5	73	61	38	1.5
Dyna-Gro	M75GB39	43.6	.	50.6	75	54	38	1.3
Average		90.4 [4]	78.9	53.3	75	56	7	1.4
LSD at 10% Level		12.3	N,S.[5]	2.6	3	3	12	0.5
Std. Err. of Entry Mean		5.2	11.7	1.1	1	1	5	0.2

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 = 11.6% and df for EMS = 75.
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 27, 2013.
Harvested: November 8, 2013.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Low, K = Medium, and pH = 5.8.
Fertilization: Preplant: 24 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 130 lb N/acre.
Previous Crop: Wheat.
Management: Disked, subsoiled and bedded, rototilled; Atrazine and Prowl used for weed control.

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

Plains, Georgia:
Grain Sorghum Hybrid Performance, 2013, 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]
		bu/acre	bu/acre	lb/bu	days	in	%	rating	%
									.
									.
		A sorghum bybrid grain trial was planted at this location on May 20,							.
		2013. However, damage to the developing grain head from unusual,							.
		persistent rainfall during July until mid-August plus disease and insects							.
		during the growing season resulted in some very low grain yields and							.
		considerable variation in performance within and among plots in the test.							
		After careful analysis and review of the data, it is the opinion of the							
		editors that the results of this trial may not accurately reflect the genetic							
		performance potential of all the test entries. Since this data is not useful							
		for making decisions and could be misleading if used in making hybrid							
		selections, it will not be presented in the publication.							.
									.

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.

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

Planted:	July 31, 2013.
Harvested:	November 22, 2013.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Low, K = High, and pH = 6.3.
Fertilization:	Preplant: 8 lb N, 36 lb P_2O_5, and 0 lb K_2O/acre. Sidedress: 50 lb N/acre.
Previous Crop:	Cotton.
Management:	Disked, chiseled, rototilled; Atrazine, Basagran, and Gramoxone used for weed control; Sniper used for insect control; 650 lb/acre lime applied.

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

Plains, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2013
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]
		bu/acre	bu/acre	lb/bu	days	in	%	rating	%
Sorghum Partners	X840	**62.8**	.	46.8	.	59	0	1.3	.
Sorghum Partners	NK6638	**62.1**	.	47.9	.	47	1	2.0	.
Sorghum Partners	NK8416	**58.1**	.	46.1	.	55	0	2.0	.
Dyna-Gro	M77GB52	**56.6**	.	47.6	.	47	0	1.8	.
Sorghum Partners	NK266	53.2	.	53.4	.	47	3	1.8	.
Sorghum Partners	SP7868	52.6	.	42.5	.	48	0	1.8	.
Sorghum Partners	NK7633	49.9	.	47.1	.	45	0	1.5	.
Gayland Ward	Exp 9059	48.7	.	43.9	.	47	0	1.3	.
Pioneer	83P17	48.3	**43.5**	40.7	.	46	1	1.5	.
Sorghum Partners	NK8817	47.0	.	38.0	.	62	0	1.0	.
Sorghum Partners	X445	45.3	.	38.8	.	42	0	1.5	.
Sorghum Partners	NK8831	42.4	.	34.7	.	44	0	2.0	.
Pioneer	84P80	40.3	.	45.6	.	44	3	1.5	.
SS	SS800	40.2	.	44.3	.	45	1	1.8	.
DeKalb	DKS53-67	39.3	**51.8**	41.9	.	46	0	1.3	.
Sorghum Partners	KS310	37.7	.	52.5	.	41	6	1.5	.
Gayland Ward	GW 9417	37.1	.	48.1	.	50	4	1.5	.
Dyna-Gro	GX13661	36.1	.	34.0	.	46	0	2.3	.
Sorghum Partners	X742	35.3	.	39.3	.	47	2	1.5	.
SS	SS650	33.6	.	44.9	.	48	5	1.3	.
Sorghum Partners	SP3425	32.7	.	51.7	.	35	2	1.8	.
Sorghum Partners	K35-Y5	32.3	.	49.6	.	37	5	1.3	.
Dyna-Gro	M75GB39	31.8	.	42.8	.	37	1	1.5	.
Southern States	SS560	27.6	.	52.9	.	38	6	1.8	.
Sorghum Partners	NK7829	24.6	.	30.7	.	50	0	1.3	.
Sorghum Partners	NK8828	18.5	.	30.2	.	49	0	1.8	.
Average		42.1[5]	47.6	43.7	.	46	1	1.6	.
LSD at 10% Level		7.4	N.S.[6]	4.1		2	2	0.5	
Std. Err. of Entry Mean		3.1	3.2	1.7		1	1	0.2	

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. CV = 15.0% and df for EMS = 75.
6. The F-test indicated no statistical differences at the alpha = .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: July 31, 2013.
Harvested: November 22, 2013.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Low, K = High, and pH = 6.3.
Fertilization: Preplant: 8 lb N, 36 lb P_2O_5, and 0 lb K_2O/acre. Sidedress: 50 lb N/acre.
Previous Crop: Cotton.
Management: Disked, chiseled, rototilled; Atrazine, Basagran, and Gramoxone used for weed control; Sniper used for insect control; 650 lb/acre lime applied.

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

Griffin, Georgia:
Grain Sorghum Hybrid Performance, 2013, 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]
		bu/acre	bu/acre	lb/bu	days	in	%	rating	%
Sorghum Partners	SP7868	**111.8**	.	56.7	67	55	1	.	4
Dyna-Gro	M77GB52	**107.7**	.	55.3	65	57	1	.	4
Gayland Ward	Exp 9059	**104.0**	.	54.8	62	55	1	.	1
Sorghum Partners	NK6638	**103.1**	.	55.0	64	57	1	.	4
Sorghum Partners	X840	**102.4**	.	56.6	68	76	1	.	9
Pioneer	84P80	**102.1**	.	54.3	65	59	1	.	4
Pioneer	83P17	**99.9**	**96.0**	54.7	69	62	1	.	10
DeKalb	DKS53-67	**98.8**	**89.5**	56.4	64	59	1	.	4
Sorghum Partners	NK8416	96.2	.	57.4	67	72	1	.	9
Sorghum Partners	NK266	95.4	.	54.3	60	62	1	.	5
Sorghum Partners	NK7633	93.4	.	55.9	64	54	1	.	8
Southern States	SS560	87.5	.	55.6	59	54	1	.	16
Sorghum Partners	KS310	85.4	.	54.9	51	52	1	.	9
Sorghum Partners	NK8831	84.6	.	51.7	66	51	1	.	10
SS	SS800	82.3	.	54.4	64	55	1	.	9
Sorghum Partners	X742	82.2	.	52.7	66	58	1	.	14
Sorghum Partners	NK8817	81.1	.	56.7	68	75	1	.	6
Sorghum Partners	NK7829	75.2	.	54.1	68	57	2	.	5
Sorghum Partners	X445	68.4	.	51.3	67	52	1	.	10
SS	SS650	68.4	.	53.4	65	55	4	.	8
Dyna-Gro	GX13661	66.8	.	51.3	67	60	1	.	10
Sorghum Partners	K35-Y5	65.5	.	50.7	57	47	2	.	10
Sorghum Partners	NK8828	61.2	.	52.6	70	54	1	.	4
Dyna-Gro	M75GB39	60.7	.	51.6	64	52	3	.	6
Sorghum Partners	SP3425	59.5	.	50.6	57	47	1	.	13
Average		85.7[5]	92.7	54.1	64	57	1	.	8
LSD at 10% Level		13.5	N.S.[6]	1.5	3	3	1		N.S.
Std. Err. of Entry Mean		5.7	5.6	0.6	1	1	1		3

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. CV = 13.3% and df for EMS = 72.
6. The F-test indicated no statistical differences at the alpha = .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: May 23, 2013.
Harvested: October 2, 2013.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = High, K = High, and pH = 6.5.
Fertilization: Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Fallow.
Management: Chisel plowed, disked, rototilled; Dual Magnum and one cultivation used for weed control.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2013
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]
		bu/acre	bu/acre	lb/bu	days	in	%	rating	%
Sorghum Partners	NK8416	**112.9**	.	54.5	64	73	0	.	9
Dyna-Gro	M77GB52	**112.7**	.	57.8	61	54	0	.	16
Sorghum Partners	SP7868	**112.1**	.	57.5	64	57	0	.	8
Sorghum Partners	NK6638	**108.4**	.	57.6	59	54	1	.	18
Sorghum Partners	X840	**108.4**	.	57.2	66	69	0	.	5
Sorghum Partners	NK8817	101.1	.	54.4	68	73	1	.	9
Gayland Ward	Exp 9059	98.9	.	55.3	59	55	0	.	8
Sorghum Partners	NK7633	88.7	.	56.6	59	54	0	.	10
DeKalb	DKS53-67	87.4	**94.9**	57.8	62	55	0	.	9
Sorghum Partners	X445	83.8	.	53.8	66	52	0	.	6
Pioneer	83P17	81.8	**94.5**	52.7	65	53	0	.	11
Sorghum Partners	NK266	80.9	.	55.6	57	60	0	.	20
Sorghum Partners	NK8831	80.7	.	54.7	66	49	0	.	5
Pioneer	84P80	78.4	.	57.9	60	56	3	.	26
SS	SS800	77.2	.	55.2	60	56	0	.	8
SS	SS650	74.4	.	56.3	61	55	46	.	13
Sorghum Partners	X742	69.6	.	56.0	61	57	11	.	9
Dyna-Gro	GX13661	67.5	.	52.1	64	55	0	.	4
Sorghum Partners	NK7829	67.4	.	51.5	68	58	0	.	5
Dyna-Gro	M75GB39	65.4	.	54.3	60	50	31	.	3
Southern States	SS560	62.3	.	57.1	55	53	3	.	38
Sorghum Partners	NK8828	60.1	.	47.4	72	51	0	.	1
Sorghum Partners	SP3425	57.6	.	56.1	54	46	3	.	49
Sorghum Partners	K35-Y5	48.9	.	54.9	54	47	11	.	39
Sorghum Partners	KS310	44.1	.	53.1	53	52	0	.	50
Average		81.2[5]	94.7	55.1	61	56	4	.	15
LSD at 10% Level		10.9	N.S.[6]	2.3	2	3	8		12
Std. Err. of Entry Mean		4.6	4.6	1.0	1	1	4		5

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. CV = 11.4% and df for EMS = 72.
6. The F-test indicated no statistical differences at the alpha = .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: July 9, 2013.
Harvested: November 8, 2013.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Pacolet coarse loam.
Soil Test: P = Medium, K = High, and pH = 6.0.
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, rototilled; Dual Magnum and Atrazine used for weed control.

Test conducted by J. Gassett and G. Ware.

Assessment of 25 Grain Sorghum Hybrids for Resistance to Insect and Bird Damage at Three Planting Dates in 2013

Xinzhi Ni, Michael D. Toews, and G. David Buntin

Twenty-five grain sorghum hybrids were evaluated for resistance to insect and bird damage with three planting dates in 2013 at the Belflower Research Farm near Tifton, Ga. Although the damage was relatively low in 2013, five insect pests were observed on the grain sorghum hybrids. In order of importance, they include: headworm complex (i.e., corn earworm and sorghum webworm), leaf-footed bug, stink bugs (southern green stink bug and brown stink bug), sorghum midge, and fall armyworm. Generally speaking, insect infestation and disease infection rates were low in the experimental plots of these hybrids in 2013.

Hybrids were planted with four replications each on May 21, May 29, and June 6, 2013, respectively, and maintained with irrigation. The flowering date (or days to anthesis) was recorded throughout July and August. Flowering time (50% plants with flowering panicles) of the 25 hybrids ranged from 51 to 67 days after planting (as shown on the following table). The whorl damage by natural fall armyworm population was minimal, and therefore not assessed.

Sorghum midge and bird damage were rated 14 weeks after planting (on August 27, September 3, and September 10, 2013, respectively). The sorghum midge damage was rated according to the visual estimates of grain loss. Grain loss caused by the midge infestation can be separated from other factors using the whitish-cast skins hanging at the tip of glumes during pre-harvest examination. The sorghum midge damage was assessed according to the following rating scale: Very Good (VG) = 0-15%; Good (G) = 16-30%; Fair (F) = 31-75%; and Poor (P) = ≥ 76% empty glumes per sorghum panicle. In addition, the assessment of bird damage on developing kernels was based on the following scale: Very Good (VG) = less than 10% loss; Good (G) = 11-25% loss; Fair (F) = 26-50% loss; and Poor (P) = ≥ 51% loss of grains per panicle.

The sorghum midge is a cyclic insect pest in grain sorghum production in the southern Coastal Plain region. Overall damage caused by sorghum midge is generally greater on late-flowering hybrids, or late-planted hybrids. The midge damage was very low in these 25 hybrids in 2013 across planting dates. Of the three planting dates in 2013, no midge damage was observed in the May 21 planting; the majority of observed damage occurred only in a few hybrids planted on June 6. Average midge damage was rated as Very Good (< 15% grain loss) in 11 of the 25 hybrids evaluated. In addition, all entries showed relatively high levels of bird damage when compared with the previous year. The midge and bird damage was evaluated 98 days after planting and approximately one month after flowering. The bird damage ratings in 2013 were relatively high (≥ 26% or ¼) in comparison with the previous years. Only two hybrids 'NK8828' and 'NK8831' exhibited low bird damage ratings (≤ 25%). Of the three planting dates in 2013, experimental plots from the first planting showed more bird damage than either of the two late plantings. Managers should be aware that bird damage could be reduced by timely harvest as well.

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 the southern Coastal Plain region. The information on both insect and bird damage might vary based on planting dates, with later plantings tending to have increased insect pest pressure. For further integrated insect management information, please consult with your local county agent and/or Extension entomologists.

This test was maintained and flowering-date data were collected by Penny Tapp, Jonathan Roberts, and Austin Overton from the Crop Genetics and Breeding Research Unit, USDA-ARS, University of Georgia, Tifton, Georgia, with assistance from Xing Wei at the Department of Entomology, University of Georgia at Tifton, Georgia.

Evaluation of Grain Sorghum Hybrids for Resistance to Insect and Bird Damage in 2013 at Tifton, Georgia[1]

Brand	Hybrid	Days to Anthesis[2]	Midge Resistance [3]		Bird-feeding resistance[4]	
			2013	2+ years	2013	2+ years
Southern States	SS560	54	VG	VG	P	F
SS	SS800	59	VG	VG	F	G-
DeKalb	DKS53-67	61	VG	VG	F	G
Gayland Ward	GW 9417	61	VG		F	
Dyna-Gro	M75GB39	61	VG		F	
Dyna-Gro	M77GB52	60	VG		F	
Sorghum Partners	NK6638	59	VG		F	
Sorghum Partners	X742	61	VG		F	
Sorghum Partners	NK8831	66	VG		G	
Sorghum Partners	K35-Y5	52	VG		F	
Sorghum Partners	NK266	57	VG		P	
SS	SS650	60	G	VG	F	G
Sorghum Partners	NK8416	63	G		F	
Sorghum Partners	NK7633	61	G		F	
Pioneer	83P17	62	G	G+	F	G
Pioneer	84P80	61	G	VG-	F	G
Dyna-Gro	GX13661	63	G		F	
Sorghum Partners	SP7868	63	G		F	
Sorghum Partners	X840	65	G		F	
Sorghum Partners	KS310	51	G		P	
Sorghum Partners	SP3425	56	G		P	
Sorghum Partners	X445	63	G		F	
Sorghum Partners	NK8828	67	F		VG	
Sorghum Partners	NK8817	63	F		F	
Sorghum Partners	NK7829	67	F		F	

1. The test plots were planted on May 21 and 29, and June 6, 2013, respectively, and maintained with irrigation. The midge and bird damage were assessed on August 27, and September 3 and 10, 2013, respectively.
2. Days from planting to 50% bloom.
3. For sorghum midge resistance: Very Good (VG) = 0-15%, Good (G) = 16-30%, Fair (F) = 31-75%, and Poor (P) = ≥ 76% glumes are without grains on a panicle.
4. Bird-feeding resistance: Very Good (VG) = less than 10% loss, Good (G) = 11-25% loss, Fair (F) = 26-50% loss, and Poor (P) = ≥ 51% loss.

SORGHUM FOR SILAGE

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2013

Company or Brand Name	Hybrid Name or Number	Forage Yields		Plant Height	Dry Matter	2-Yr. Avg Dry Yield	Disease[1]
		Dry	Green				
		--- tons/acre ---		in	%	tons/acre	rating
Alta Seeds	AF8301	**8.6**	23.9	94	36	**8.1**	2.0
Sorghum Partners	CHR-FS9	**8.4**	**28.5**	130	30	.	2.0
Southern States	SS1515F	**8.3**	21.6	94	38	**7.6**	3.0
Sorghum Partners	CHR-FS3	**8.1**	22.6	86	36	.	2.0
AgraTech	81F	**8.1**	21.7	88	37	.	2.0
Gayland Ward	Ensile Master	**7.5**	**25.0**	132	30	**8.0**	2.0
Coffey	MaxiGain bmr-6	**7.4**	**28.3**	121	26	6.9	2.0
Coffey	Centurion bmr-6	**7.4**	24.0	97	31	**7.6**	2.0
Pioneer	849F	6.9	19.7	108	35	.	4.0
Dyna-Gro	FullGraze	6.7	23.0	136	29	.	2.0
Dyna-Gro	Danny Boy	6.7	20.9	113	32	.	4.0
Sorghum Partners	CHR-FS4	6.6	21.3	150	31	.	2.0
Gayland Ward	Exp 10074	6.4	17.3	132	37	.	2.0
SS	SS2010BDF	6.4	17.8	65	36	6.3	2.0
Grabow	80F BMR6	6.0	17.8	77	34	.	2.0
Alta Seeds	AF7401	5.8	17.5	76	33	6.5	2.0
Gayland Ward	GW 400 BMR	5.4	14.2	109	38	5.3	2.0
Dyna-Gro	Dynagraze II	5.4	15.7	108	35	.	4.5
Alta Seeds	AF7101	4.6	12.9	86	36	4.8	4.5
Advanta	AF7201	4.5	12.4	88	36	4.9	4.0
Dyna-Gro	71F10	4.2	11.8	86	35	.	3
Average		6.6 [2]	19.9 [3]	104	34	6.6	2.6
LSD at 10% Level		1.2	3.6	4	4	0.7	-
Std. Err. of Entry Mean		0.5	1.5	2	2	0.3	-

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2013 (Continued)

Company or Brand Name	Hybrid Name or Number	Forage Yields		Plant Height	Dry Matter	2-Yr. Avg Dry Yield	Disease[1]
		Dry	Green				
		--- tons/acre ---		in	%	tons/acre	rating
Ratoon or Regrowth Crop							
Pioneer	849F	**4.9**	**19.6**	.	25	.	.
Gayland Ward	Exp 10074	**4.8**	**17.9**	.	27	.	.
Coffey	Centurion bmr-6	3.7	16.7	.	22	.	.
Dyna-Gro	Dynagraze II	3.5	11.0	.	33	.	.
Coffey	MaxiGain bmr-6	3.5	**16.8**	.	21	.	.
Dyna-Gro	FullGraze	3.5	14.7	.	23	.	.
Gayland Ward	Ensile Master	3.3	16.3	.	21	.	.
Sorghum Partners	CHR-FS9	3.2	16.1	.	20	.	.
Gayland Ward	GW 400 BMR	3.0	11.8	.	26	.	.
Sorghum Partners	CHR-FS3	3.0	14.3	.	21	.	.
Alta Seeds	AF8301	2.9	11.7	.	25	.	.
Alta Seeds	AF7101	2.9	9.8	.	29	.	.
AgraTech	81F	2.7	11.3	.	24	.	.
Dyna-Gro	Danny Boy	2.7	9.6	.	28	.	.
Southern States	SS1515F	2.6	10.7	.	24	.	.
Advanta	AF7201	2.5	9.3	.	26	.	.
Sorghum Partners	CHR-FS4	1.8	7.9	.	23	.	.
SS	SS2010BDF	1.8	6.3	.	28	.	.
Grabow	80F BMR6	1.7	7.3	.	24	.	.
Alta Seeds	AF7401	1.5	5.8	.	26	.	.
Dyna-Gro	71F10	1.4	5.9	.	25	.	.
Average		2.9 [4]	11.9 [5]	.	25	.	.
LSD at 10% Level		0.7	2.8		5		
Std. Err. of Entry Mean		0.3	1.2		2		

1. Rated 1 = resistant to 5 = highly susceptible to foliar diseases.
2. CV = 14.7% and df for EMS = 60.
3. CV = 15.5% and df for EMS = 60.
4. CV = 21.7% and df for EMS = 60.
5. CV = 19.9% 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: April 18, 2013.
Harvested: August 16, 2013.
Ratoon: October 3, 2013.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Very High, K = Medium, and pH = 6.3.
Fertilization: Preplant: 128 lb N, 0 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 130 lb N/acre.
Previous Crop: Summer annuals.
Management: Disked, subsoiled and bedded, rototilled: 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 Sorghum Hybrids for Silage, 2013

Company or Brand Name	Hybrid Name or Number	Forage Yields		Plant Height	Dry Matter	2-Yr. Avg Dry Yield
		Dry	Green			
		--- tons/acre ---		in	%	tons/acre
Sorghum Partners	CHR-FS9	**10.1**	**34.4**	126	29	.
Dyna-Gro	FullGraze	**9.9**	**36.4**	140	27	.
Gayland Ward	Exp 10074	8.8	23.1	138	38	.
Gayland Ward	Ensile Master	8.5	**35.6**	147	24	**8.9**
Sorghum Partners	CHR-FS3	8.1	28.6	110	28	.
Alta Seeds	AF8301	7.9	28.8	102	28	7.9
SS	SS2010BDF	7.0	26.0	83	27	6.7
Pioneer	849F	6.9	25.0	118	28	.
Southern States	SS1515F	6.9	24.5	104	28	7.1
Coffey	Centurion bmr-6	6.8	27.9	110	25	7.3
Coffey	MaxiGain bmr-6	6.8	32.8	108	21	6.6
Alta Seeds	AF7401	6.6	25.9	83	26	6.8
Sorghum Partners	CHR-FS4	6.2	23.0	154	27	.
Alta Seeds	AF7101	5.9	16.5	100	36	6.5
Dyna-Gro	Danny Boy	5.9	22.4	124	26	.
Advanta	AF7201	5.5	18.1	107	30	6.0
Gayland Ward	GW 400 BMR	5.4	20.3	118	27	6.2
Dyna-Gro	71F10	5.4	18.6	107	29	.
Dyna-Gro	Dynagraze II	5.0	19.5	120	26	.
Average		7.0 [1]	25.6 [2]	116	28	7.0
LSD at 10% Level		1.0	3.2	7	3	0.8
Std. Err. of Entry Mean		0.4	1.3	3	1	0.3

1. CV = 12.3% and df for EMS = 54.
2. CV = 10.5% and df for EMS = 54.

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

Planted: May 23, 2013.
Harvested: August 28, 2013.
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: Soybeans.
Management: Chisel plowed, disked, rototilled; Dual Magnum and one cultivation used for weed control.

Test conducted by J. Gassett and G. Ware.

SUMMER ANNUAL FORAGES

Tifton, Georgia:
Evaluation of Summer Annual Forage, 2013
and Two-Year Average Yields, 2012-2013

Company or Brand Name	Hybrid Name or Number	Clipping Dates 7-10-13	Clipping Dates 9-05-13	Season Total	2-Year Average
		--------- dry matter yield - pounds per acre ---------			
Sorghum x Sudangrass					
Dyna-Gro	705F (SGxS)	**15318**	**3749**	**19067**	.
Gayland Ward	Super Sugar	**13868**	**4282**	**18150**	**19120**
Sorghum Partners	CHR-SS2	**13797**	3497	**17295**	.
Gayland Ward	GW 300 BMR	**13426**	**3821**	**17247**	.
Alta Seeds	AS5201	12552	**4395**	**16948**	**18104**
Sorghum Partners	CHR-SG1	12574	**3988**	16562	.
SS	SS-220BMR	13161	2830	15991	14924
Advanta	AS6403	13157	2819	15976	16106
Alta Seeds	AS6402	12440	2718	15158	15532
Coffey	Surpass XL bmr	12314	2516	14830	15067
Gayland Ward	Sweet For Ever BMR	11298	2990	14288	16955
Gayland Ward	Sweet Six BMR Dry Stalk	11731	2375	14106	.
Southern States	Unigraze II	11053	3008	14061	.
Alta Seeds	AS9301	11720	2233	13953	14538
Coffey	Surpass df (SGxS)	11348	2559	13907	13997
Coffey	MaxiGain bmr-6	11397	2443	13840	16476
Alta Seeds	AS6401	11210	2305	13514	14082
Grabow	8201 BMR6	9868	2226	12094	.
SS	SS130BMR	7827	2894	10721	.
Average		12108	3034	15143 [1]	15900
LSD at 10% Level		2014	713	2301	1342
Std. Err. of Entry Mean		851	301	972	567
Pearl Millet					
SS	SS635	**17130**	.	**17130**	.
Ga CPES	Tifleaf 3	**17104**	.	**17104**	**14650**
Coffey	Leafy 60	**16609**	.	**16609**	**13339**
Ga CPES	Browntop	13717	.	13717	.
Coffey	Exp 40-1 bmr	13235	.	13235	11150
Average		15559	.	15559 [3]	13046
LSD at 10% Level		974		974	1449
Std. Err. of Entry Mean		386		386	661

Tifton, Georgia:
Evaluation of Summer Annual Forage, 2013
and Two-Year Average Yields, 2012-2013 (Continued)

1. CV = 12.8% and df for EMS = 54.
2. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
3. CV = 5.0% 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:	April 18, 2013.
Seeding Rate:	Sorghum x Sudangrass: 125,000 seed/acre in 30" rows.
	Millet: 4 lb seed/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = Very High, K = Medium, and pH = 6.3.
Fertilization:	Preplant: 50 lb N, 0 lb P_2O_5, and 80 lb K_2O/acre.
	Sidedress: 130 lb N/acre, plus 75 lb N/acre after 1st harvest.
Previous Crop:	Summer annuals.
Management:	DisKed, subsoiled and bedded, rototilled; 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 Forage, 2013
and Two-Year Average Yields, 2012-2013

Company or Brand Name	Hybrid Name or Number	Clipping Dates 7-19-13	Clipping Dates 8-30-13	Season Total	2-Year Average
		--------- dry matter yield - pounds per acre ---------			
Sorghum x Sudangrass					
Gayland Ward	GW 300 BMR	**10618**	4611	**15229**	.
FFR	SS Unigraze II	8881	**6157**	**15038**	.
Alta Seeds	AS6401	**9094**	5668	**14762**	**13327**
Alta Seeds	AS5201	7230	**7154**	**14384**	**13986**
Coffey	Surpass XL bmr	8959	5022	**13981**	**12830**
SS	SS-220BMR	7695	6019	**13714**	12500
Gayland Ward	Super Sugar	7154	**6302**	13456	**13231**
Advanta	AS6403	7907	5441	13348	**13114**
Dyna-Gro	705F (SGxS)	**9135**	4211	13346	.
Alta Seeds	AS6402	8712	4494	13206	12559
Sorghum Partners	CHR-SG1	7757	5320	13077	.
Sorghum Partners	CHR-SS2	7887	5059	12946	.
Alta Seeds	AS9301	6603	5735	12337	12489
Gayland Ward	Sweet Six BMR Dry Stalk	6192	5482	11674	.
Coffey	Surpass df (SGxS)	6760	4487	11248	11544
SS	SS130BMR	8423	2510	10933	.
Gayland Ward	Sweet For Ever BMR	6382	3790	10172	10451
Coffey	MaxiGain bmr-6	5099	4228	9326	10160
Average		7805	5094	12899 [1]	12381
LSD at 10% Level		1583	1024	1647	1210
Std. Err. of Entry Mean		668	432	695	512
Pearl Millet					
SS	SS635	**9946**	**2103**	**12050**	.
Coffey	Exp 40-1 bmr	**10223**	944	**11167**	**10830**
Ga CPES	Tifleaf 3	7728	**2243**	9971	**11070**
Coffey	Leafy 60	5292	**2688**	7980	**10266**
Average		8297	1995	10292 [2]	10722
LSD at 10% Level		1482	650	1211	N.S.[3]
Std. Err. of Entry Mean		572	250	467	369

1. CV = 10.8% and df for EMS = 51.
2. CV = 9.1% and df for EMS = 9.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

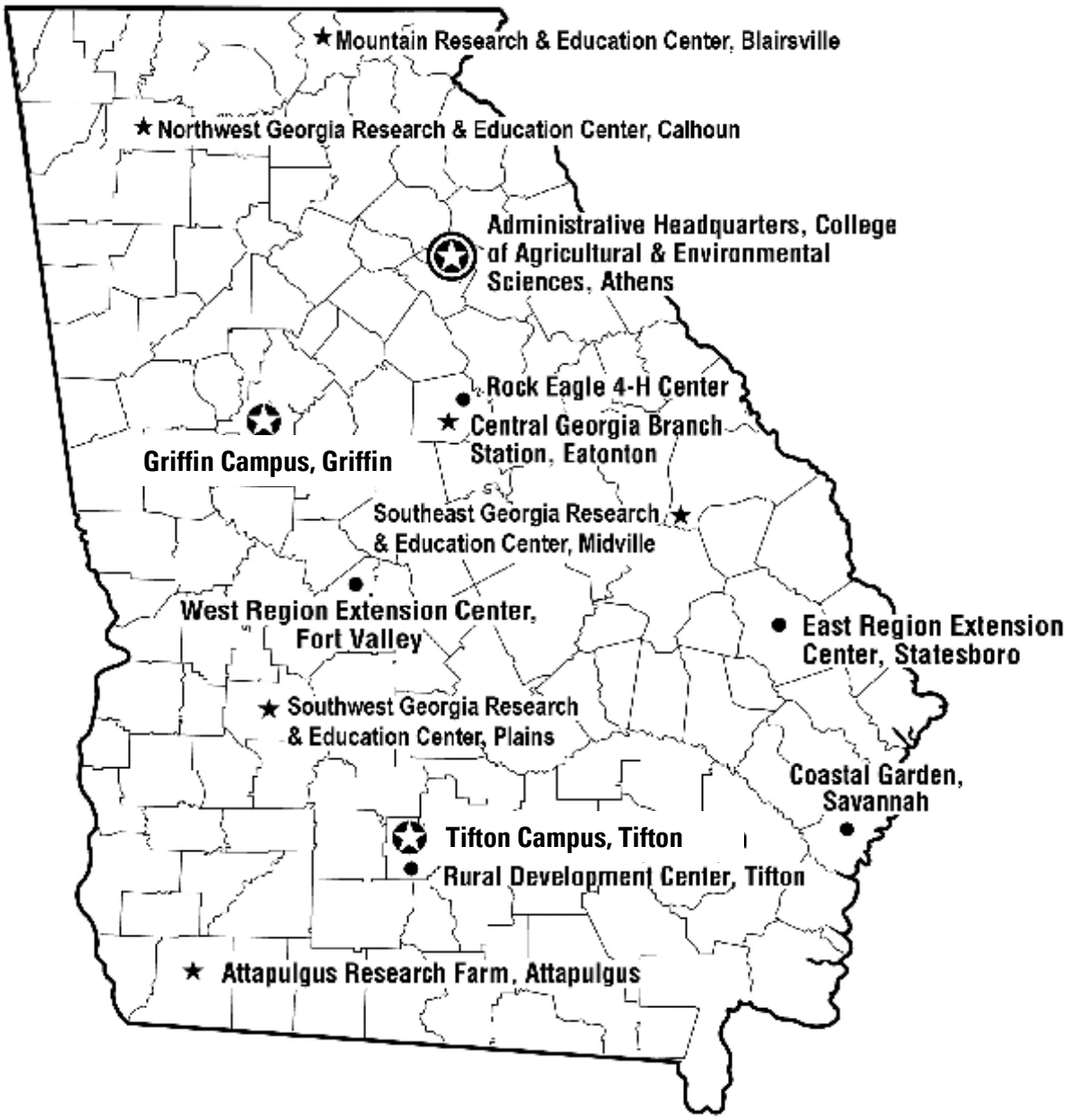
Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: May 23, 2013.
Seeding Rate: Sorghum x Sudangrass: 150,000 seed/acre in 30" rows.
Millet: 500,000 seed/acre in 30" rows.
Soil Type: Cecil clay loam.
Soil Test: P = Medium, K = High, and pH = 6.2.
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 harvest..
Previous Crop: Fallow.
Management: Chisel plowed, disked, rototilled; Dual Magnum and one cultivation for weed control.

Test conducted by J. Gassett and G. Ware.

Sources of Seed for the 2013 Grain Sorghum, Silage Sorghum, and Summer Annual Forage Tests

Brand or Variety Name	Company and Address
Advanta, Alta Seeds	Advanta US, Inc., PO Box 2685, 301 South Polk, Suite #350, Amarillo, TX 79015.
AgraTech, Grabow	Grabow Seed Services Inc., 6830 Lisa Lane, Dunwoody, GA 30338.
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.
Ga CPES	The University of Georgia, Crop & Soil Sciences Dept., Tifton Campus, 2360 Rainwater Road, Tifton, GA 31793.
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	Sorghum Partners LLC, 403 South Monroe, New Deal, TX 79350.
SS, Southern States	Southern States Coop, PO Box 26234, 6606 West Broad Street, Richmond, VA 23260.


Mountain Research & Education Center, Blairsville
Northwest Georgia Research & Education Center, Calhoun
Administrative Headquarters, College of Agricultural & Environmental Sciences, Athens
Rock Eagle 4-H Center
Central Georgia Branch Station, Eatonton
Griffin Campus, Griffin
Southeast Georgia Research & Education Center, Midville
West Region Extension Center, Fort Valley
East Region Extension Center, Statesboro
Southwest Georgia Research & Education Center, Plains
Coastal Garden, Savannah
Tifton Campus, Tifton
Rural Development Center, Tifton
Attapulgus Research Farm, Attapulgus
Main Experiment Station
Branch Station
Extension Center

University of Georgia
Agricultural Experiment Stations
Athens, Georgia 30602
Robert Shulstad, Associate Dean

Publication
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- Certified seed can only be conditioned in an approved facility.
- Certified seed must meet High Quality standards as to germination and purity.
- Free of noxious weeds.

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