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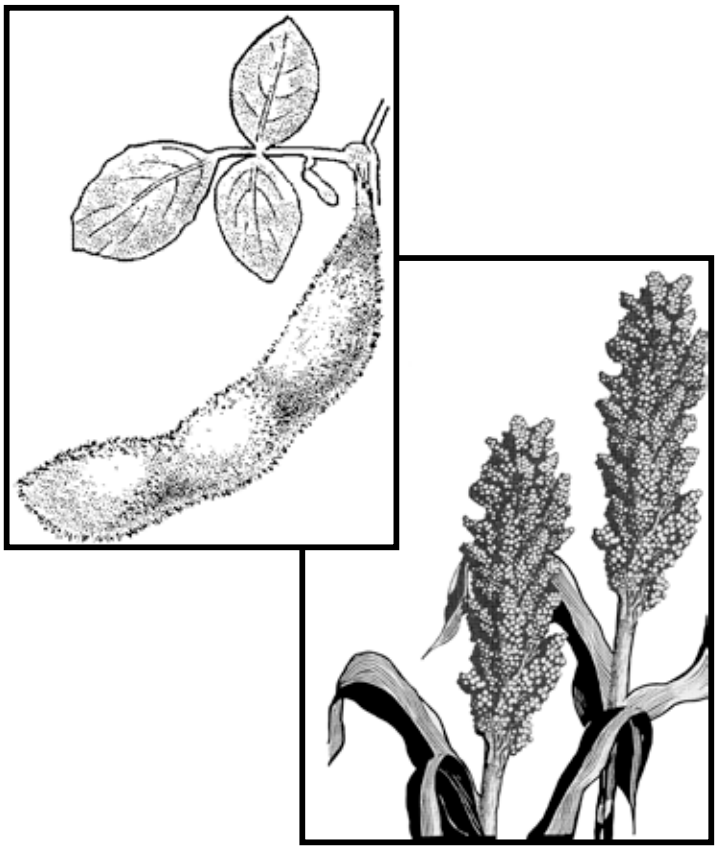
2012 Soybean, Sorghum Grain and Silage, and Summer Annual Forages Performance Tests

J. LaDon Day, Anton E. Coy and John D. Gassett, 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 2012 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 2012 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 2013 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 or more, 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: 2012 Corn Performance Tests (Annual Publication #101-4), 2011-2012 Small Grains Performance Tests (Annual Publication #100-4), 2011 Peanut, Cotton and Tobacco Performance Tests (Annual Publication #104-3), and 2011-2012 Canola data (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 J. LaDon Day, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment Street, Griffin, GA 30223-1797.

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2012 SOYBEAN, SORGHUM GRAIN AND SILAGE, AND SUMMER ANNUAL FORAGES PERFORMANCE TESTS

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

The Season

Agricultural producers in Georgia experienced another year of lower than normal rainfall. The state was dry as of March 1, although there was adequate planting moisture in most areas. Planting progressed well ahead of five-year averages. By early May, only a quarter of the state had adequate moisture. Except for southeastern Georgia, drought conditions continued through June. Irrigation began during early vegetative growth and continued through maturity in much of the state. Irrigation allowed 2/3 to 3/4 of the crop to remain in good condition throughout the season. Summer thunderstorms were beneficial to some areas. Insect and disease pressure was light in general. Stink bugs were a concern in some areas. Asian soybean rust did not develop into an issue for the majority of the state, but small amounts of the disease were found in a few counties in southwest Georgia. Harvest conditions were excellent again this year.

Seasonal rainfall totals, as shown in the table below, were 6 to 13 inches less than normal in north Georgia, with the most critical areas in the Limestone Valley region and Athens. In the Coastal Plain, rainfall ranged from normal to 8 inches above the long-term average in the east and central areas to 17 inches below normal in the southwestern area around Plains. Extremely dry conditions (53% of normal rainfall) persisted for the last three years in Sumter County (Plains) and surrounding areas.

2012 Rainfall[1]

Month	Athens[2]	Calhoun[3]	Griffin	Midville	Plains	Tifton
	inches					
March	2.92	5.23	4.37	3.63	2.02	4.71
April	2.39	1.48	0.44	1.07	1.49	1.21
May	2.03	2.53	5.02	6.09	1.13	3.48
June	1.82	1.53	1.51	5.52	2.69	5.24
July	3.62	6.47	5.55	3.37	4.01	6.66
August	4.35	3.72	3.90	8.39	1.87	13.41
September	3.37	4.37	3.83	2.02	3.98	3.85
October	1.24	1.57	4.78	0.43	0.59	1.57
November	1.10	1.40	1.85	1.53	0.97	1.29
Total	22.84	28.3	31.25	32.05	18.75	41.42
Normal (9 mo)*	35.92	41.54	36.54	32.60	35.23	33.65

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

*Based on average March to November (9 mo) 1971 to 2000.

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Crop maturity progressed ahead of the five-year average and harvest conditions for the year were very good. During 2012 soybean producers planted 205,000 acres, an increase of 33%. Sorghum farmers seeded 55,000 acres during 2012, 10% more than last year. Sorghum for silage acreage totaled 13,000 during 2012. Acres in hay production during 2012 remained the same as last season, 590,000.

State soybean yield per acre of 33 bushels in 2012 matched the record yield in 2003 and 2009. Soybean grain produced was 6.8 million bushels, an increase of 3.8 million or 127% more than in 2011 and the most single-year production in 10 years. Grain sorghum harvested acres increased 14% above last year. Sorghum for silage production totaled 180,000 tons. An increase of 14% in hay production this year, 2.5 tons/acre, produced 1.5 million tons.

SOYBEAN

Summary of Early-Planted MG V and VI Soybean Variety Performance at Six Locations, 2012

Company/Brand	Variety	2012 Yield[1] Athens 2012	Athens 2-Yr Avg	Calhoun 2012	Calhoun 2-Yr Avg	Griffin 2012	Griffin 2-Yr Avg	Midville 2012	Midville 2-Yr Avg	Plains 2012	Plains 2-Yr Avg	Tifton 2012	Tifton 2-Yr Avg	Statewide Average 2012	Statewide Average 2-Yr
		bu/acre													
Maturity Group V															
AGSouth	AGS 553LL	51.1	.	**57.0**	.	63.8	.	**72.6**	.	**55.8**	.	**53.5**	.	**59.0**	.
AGSouth	AGS 5911LL	58.6	**39.5**	**60.7**	**44.0**	66.6	62.0	65.9	**64.6**	51.0	**42.8**	**52.9**	**51.5**	**59.3**	**50.7**
AGSouth	AGS 597RR	51.8	**40.3**	43.6	**35.8**	63.6	60.3	66.1	**65.9**	49.9	**47.6**	**53.3**	**53.1**	**54.7**	**50.5**
AR	UA 5612	59.8	.	53.9	.	**69.1**	.	68.9	.	43.2	.	**55.1**	.	**58.4**	.
Asgrow	AG5633	58.1	.	**63.8**	.	64.9	.	**71.8**	.	43.3	.	**54.1**	.	**59.3**	.
Bayer	HBK R5425	52.9	.	52.0	.	66.1	.	60.5	.	51.9	.	**59.8**	.	**57.2**	.
Bayer	HBK RY5421	49.3	.	44.4	.	**71.3**	.	**72.6**	.	51.8	.	47.6	.	**56.2**	.
Bayer	HBK RY5521	58.0	.	41.7	.	**67.4**	.	65.5	.	**58.2**	.	**55.1**	.	**57.6**	.
Go Soy	5010 LL	47.3	.	40.4	.	**69.5**	.	62.3	.	52.9	.	47.5	.	**53.3**	.
Go Soy	5410 LL	55.9	.	51.9	.	62.5	.	67.9	.	51.9	.	41.0	.	**55.2**	.
NK	S56-G6 Brand	**70.5**	.	**55.9**	.	**70.9**	.	65.6	.	**62.7**	.	52.0	.	**62.9**	.
NK	S56-W5 Brand	**67.2**	.	**59.3**	.	**69.5**	.	**70.9**	.	51.1	.	49.4	.	**61.2**	.
Pioneer	95Y61	58.3	.	41.2	.	66.5	.	**73.4**	.	**58.3**	.	**58.9**	.	**59.4**	.
Pioneer	95Y70	57.8	**39.2**	53.3	**46.6**	61.9	54.2	63.5	**62.9**	**58.5**	**44.0**	47.9	**50.3**	**57.1**	**49.5**
Pioneer	95Y71	56.4	**41.9**	51.0	**35.1**	**67.5**	**68.2**	**73.0**	**70.5**	40.1	**39.5**	51.1	**57.9**	**56.5**	**52.2**
Progeny	P 5610 RY	60.2	**42.0**	54.0	**43.3**	**70.9**	**67.8**	**71.8**	**68.0**	52.5	**35.5**	51.7	41.9	**60.2**	**49.7**
Progeny	P 5655 RY	**66.0**	**45.2**	52.0	**36.3**	62.1	57.8	**75.4**	**70.3**	**59.0**	**46.7**	**55.0**	49.6	**61.6**	**51.0**
Progeny	P 5711 RY	57.3	**41.4**	48.7	**35.5**	**68.8**	**68.6**	**72.6**	**76.2**	52.3	**52.1**	46.7	40.0	**57.7**	**52.3**
Progeny	P 5811 RY	50.2	**34.1**	47.9	**37.1**	**73.3**	**67.7**	67.5	**62.9**	**55.0**	**41.0**	48.4	48.4	**57.1**	**48.5**
Public Variety	Osage	53.8	**37.5**	**61.0**	**42.0**	66.3	**64.8**	**74.5**	**71.6**	51.0	**37.9**	49.3	45.8	**59.3**	**49.9**
Public Variety	Ozark	52.3	**38.0**	46.1	**33.5**	65.0	**65.0**	68.8	**68.9**	52.1	**41.8**	45.4	44.6	**55.0**	**48.6**
SS	LL595N	49.8	**34.8**	43.3	**34.0**	60.9	58.1	65.8	**65.8**	**57.5**	**46.2**	**54.6**	**52.3**	**55.3**	**48.5**
SS	SS5510NR2	57.0	**36.2**	50.1	**37.8**	59.9	56.1	69.0	**56.2**	**54.4**	**48.4**	50.6	47.8	**56.8**	**47.1**
SS	SS5511NR2	56.2	**39.1**	**56.0**	**42.3**	**67.8**	**63.7**	68.3	**65.5**	38.0	**36.1**	49.3	46.9	**55.9**	**48.9**
Schillinger	5220.RC	**66.3**	.	**55.8**	.	**71.9**	.	67.8	.	**55.4**	.	40.8	.	**59.7**	.
Schillinger	557.RC	57.0	.	**60.1**	.	**73.9**	.	66.5	.	48.5	.	49.7	.	**59.3**	.
Terral-REV™	56R21™	50.4	**36.3**	50.2	**39.0**	**67.8**	**64.8**	67.6	**66.3**	49.2	**37.8**	42.6	43.3	**54.6**	**47.9**
Terral-REV™	56R63™	59.5	**40.5**	45.1	**37.7**	61.7	59.7	**70.5**	**71.6**	53.0	**44.6**	**60.7**	**59.3**	**58.4**	**52.2**
Terral-REV™	57R21™	54.1	**39.4**	**57.5**	**45.9**	59.1	59.7	67.8	**64.6**	45.0	**41.4**	43.9	40.0	**54.6**	**48.5**
Terral-REV™	59R13™	48.0	.	**59.9**	.	64.1	.	66.1	.	52.8	.	48.4	.	**56.6**	.
Average		56.4	39.1	51.9	39.1	66.5	62.4	68.7	67.0	51.9	42.7	50.5	48.3	57.6	49.8
LSD at 10% Level		7.4	N.S.[2]	8.8	N.S.	6.9	5.7	5.2	N.S.	8.6	N.S.	8.3	6.4	N.S.	N.S.
Std. Err. of Entry Mean		3.1	1.3	3.7	1.8	6.9	2.0	2.2	1.7	3.6	3.1	3.5	3.4	1.3	1.1

Summary of Early-Planted MG V and VI Soybean Variety Performance at Six Locations, 2012 (Continued)

		2012 Yield[1]													
		Athens		Calhoun		Griffin		Midville		Plains		Tifton		Statewide Average	
Company/Brand	Variety	2012	2-Yr Avg	2012	2-Yr Avg	2012	2-Yr Avg	2012	2-Yr Avg	2012	2-Yr Avg	2012	2-Yr Avg	2012	2-Yr
		bu/acre													
Maturity Group VI															
AGSouth	AGS 6011 LL	47.2	**31.4**	59.6	**37.8**	**69.8**	**57.9**	**72.1**	**69.3**	50.8	**37.7**	46.5	**43.6**	57.7	46.3
AR	R02-3065	**58.9**	.	53.5	.	61.0	.	**70.0**	.	42.6	.	47.4	.	55.6	.
AR	R03-1250	**55.2**	.	60.0	.	**70.4**	.	**73.8**	.	**55.5**	.	42.2	.	59.5	.
Croplan Genetics	R2C6810	52.8	**36.8**	58.3	**48.1**	57.3	51.7	68.4	**65.8**	54.0	**50.0**	**61.5**	**50.1**	58.7	50.4
Dyna-Gro	36RY68	**57.9**	**40.4**	57.1	**45.8**	62.9	**59.5**	**69.4**	**61.6**	**56.5**	**54.2**	54.8	**54.4**	59.8	**52.7**
Dyna-Gro	V61N9RR	**59.5**	**39.7**	**70.9**	**53.9**	**66.8**	**58.4**	65.7	**64.3**	**63.3**	**52.6**	**65.7**	**58.1**	**65.3**	**54.5**
NK	S61-Q2	53.0	**32.0**	52.2	**39.3**	64.5	**57.2**	61.5	**62.7**	53.8	**51.9**	**56.5**	**54.2**	56.9	49.5
NK	S67-R6 Brand	**56.6**	.	59.9	.	**68.8**	.	**73.2**	.	**58.2**	.	**63.5**	.	**63.4**	.
Progeny	P 6710 RY	**55.7**	**38.3**	62.0	**50.2**	60.3	54.1	**70.9**	**64.4**	53.5	**52.1**	**57.1**	**53.4**	59.9	**52.1**
Public Variety	Musen	46.2	**34.1**	56.8	**49.6**	58.6	51.0	61.2	**58.5**	**62.9**	**65.3**	**57.4**	**60.4**	57.2	**53.2**
SS	SS 6810NR2	**55.9**	**37.4**	60.3	**51.0**	57.8	51.2	68.5	**66.6**	**55.4**	**51.8**	**60.4**	**52.5**	59.7	51.7
UGA	G05-1102RR	50.1	**35.8**	55.8	**41.2**	**67.4**	**60.9**	66.4	**62.9**	**55.1**	**52.3**	53.2	**49.4**	58.0	50.4
UGA	G06-2460RR	46.3	**33.4**	60.7	**40.9**	62.0	**57.4**	62.1	**64.2**	45.6	**46.8**	**58.1**	**52.5**	55.8	49.2
USG	76G10L	48.9	**33.4**	60.2	**40.9**	**67.2**	**62.7**	68.6	**68.8**	**54.9**	**42.8**	47.2	**43.0**	57.8	48.6
USG	76S22	49.9	.	**67.0**	.	**64.7**	.	67.5	.	**60.5**	.	43.4	.	58.8	.
USG	76S90R2	**56.4**	**38.3**	**64.4**	**52.2**	**65.6**	**58.5**	66.0	**63.5**	53.8	**43.6**	**59.9**	**54.8**	61.0	51.8
Average		53.2	35.9	59.9	45.9	64.1	56.7	67.8	64.4	54.8	50.1	54.7	52.2	59.1	50.9
LSD at 10% Level		5.6	N.S.	7.7	N.S.	7.3	5.5	4.7	N.S.	8.4	N.S.	9.6	N.S.	3.1	2.5
Std. Err. of Entry Mean		2.4	2.0	3.2	2.0	3.0	5.5	2.0	2.1	3.5	2.6	4.0	2.7	1.3	1.1

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

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

Summary of Early- and Late-Planted MG VII and VII Soybean Variety Performance at Six Locations, 2012

Company/Brand	Variety	2012 Yield[1]						Statewide[2] Average	
		Late-Planted		Early-Planted					
		Griffin	Plains	Athens	Midville	Plains	Tifton	2012	2-Year
		bu/acre							
Maturity Groups VII and VIII									
AGSouth	AGS 828 RR	39.2	72.3	45.4	59.9	**79.4**	**75.2**	**61.9**	**54.3**
AGSouth	AGS758RR	38.5	62.2	43.8	54.6	63.6	44.8	51.2	47.5
AGSouth	AGS Prichard RR	34.5	64.0	43.6	54.9	**70.7**	57.6	54.2	47.5
AGSouth	AGS Woodruff	**43.6**	75.0	**59.6**	65.2	61.8	**67.0**	**62.0**	**54.4**
AGSouth	AGS787 RR	39.2	63.9	47.6	60.7	67.1	62.3	56.8	49.3
Asgrow	AG7333	39.5	72.2	41.9	65.6	56.6	54.0	55.0	.
Asgrow	AG7733	36.7	72.2	50.9	65.0	67.0	52.8	57.4	.
Bayer	HBK R7028	37.4	67.9	44.8	61.0	57.4	42.8	51.9	.
Bayer	HBK R7200	35.8	55.8	46.3	52.1	53.1	43.6	47.8	.
Croplan Genetics	R2C7622	37.8	70.5	52.5	61.2	60.4	**71.1**	**58.9**	.
Croplan Genetics	R2T7390	**43.5**	**81.2**	42.8	**76.5**	63.5	64.3	**62.0**	.
Dyna-Gro	34RY75	**42.0**	**80.9**	48.8	64.7	**71.8**	62.7	**61.8**	**55.9**
Dyna-Gro	V76N9RR	**42.1**	**75.6**	46.5	65.3	59.4	62.5	**58.6**	**52.9**
NK	S74-M3 Brand	**41.2**	**76.1**	51.8	69.9	48.4	53.1	56.7	.
NK	S77-T7 Brand	**46.2**	73.8	48.2	64.3	**70.3**	**69.1**	**62.0**	.
NK	S78-G6 Brand	37.7	68.7	48.9	59.2	47.7	62.1	54.1	49.9
Pioneer	97M50	**47.9**	63.7	41.4	53.0	69.4	57.3	55.5	50.1
Progeny	P 7310 RY	**41.2**	**80.7**	52.2	**74.0**	63.1	53.9	**60.8**	**54.2**
Public Variety	Cook	33.0	61.8	41.0	67.7	**73.7**	58.1	55.9	52.0
Public Variety	Motte	33.0	60.3	45.0	60.1	65.6	61.5	54.3	50.0
Public Variety	Santee	38.0	63.2	43.2	54.3	**71.4**	54.5	54.1	51.5
SC	SC03-062	37.9	72.2	46.7	69.4	62.6	**68.8**	**59.6**	**53.4**
SC	SC04-306	35.6	73.1	45.8	60.6	**76.8**	45.5	56.2	.
SC	SC04-375	31.6	66.9	47.0	59.5	64.8	58.5	54.7	50.2
SS	SS7511NR2	**43.7**	68.2	**53.5**	70.5	57.9	**65.8**	**59.9**	50.8
UGA	G04-2215RR	39.8	68.4	40.1	60.8	62.3	53.1	54.1	50.0
UGA	G05-4237RR	**41.6**	67.3	42.4	60.7	67.8	65.1	57.5	49.8
UGA	G06-3182RR	**41.1**	66.6	46.6	64.2	**76.8**	**68.2**	**60.6**	**54.5**
UGA	G07-1185RR	36.3	74.8	46.5	60.8	**81.7**	57.1	**59.5**	51.2
UGA	G07-2879RR	40.6	68.6	42.3	61.4	**73.1**	60.0	**57.7**	51.4
UGA	G07-3557RR	35.3	66.6	44.1	48.9	68.6	61.9	54.2	50.5
UGA	G08-2869RR	32.6	72.5	44.8	61.1	70.1	56.2	56.2	.
UGA	G08-3279RR	32.9	70.2	52.4	58.6	68.5	53.3	56.0	.
UGA	G08-3282RR	40.1	72.1	**54.8**	56.0	**77.1**	55.7	**59.3**	.
UGA	G08-3795RR	36.0	64.7	40.4	56.7	57.6	60.6	52.7	.
UGA	G08-4200RR	36.2	70.4	**55.9**	67.2	61.5	**70.0**	**60.2**	.
UGA	G08-5122RR	38.3	68.7	41.3	64.4	**78.5**	64.8	**59.3**	.
UGA	G09PR-54362R2	39.5	63.2	47.7	63.5	66.8	**69.7**	**58.4**	51.6
UGA	G09PR-54378R2	**42.6**	68.3	50.9	58.6	68.9	54.5	57.3	52.1
UGA	G10PR-298R2	**42.3**	70.4	50.2	62.8	**70.3**	56.0	**58.7**	.
UGA	G10PR-56248R2	35.7	66.4	51.3	56.5	**71.9**	60.7	57.1	.
UGA	G10PR-56401R2	38.5	69.0	34.2	65.1	**74.0**	58.1	56.5	.
UGA	G10PR-56466R2	**41.0**	64.1	49.1	57.7	62.6	48.1	53.7	.
USG	7732nRR	38.5	64.8	43.7	65.0	60.3	37.7	51.7	47.1
USG	77S40R2	40.3	69.4	49.5	64.6	57.2	53.5	55.7	49.1
Average		38.8	69.1	46.8	61.9	66.2	58.5	56.9	51.2
LSD at 10% Level		7.1	6.1	6.6	6.4	11.4	9.7	4.4	3.0
Std. Err. of Entry Mean		3.0	2.6	2.8	2.7	4.8	4.1	1.9	1.3

Summary of Early- and Late-Planted MG VII and VII Soybean Variety Performance at Six Locations, 2012 (Continued)

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 Early-Planted MG V and VI Soybean Variety Performance, 2012

Company or Brand Name	Variety	Yield[1] South[2] 2012	South[2] 2-Year Average	North[3] 2012	North[3] 2-Year Average	Statewide[4] 2012	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group V							
AGSouth	AGS 553LL	**60.6**	.	57.3	.	**59.0**	.
AGSouth	AGS 5911LL	56.6	53.0	**61.9**	**48.5**	**59.3**	**50.7**
AGSouth	AGS 597RR	56.4	**55.5**	53.0	45.4	**54.7**	**50.5**
AR	UA 5612	55.8	.	60.9	.	**58.4**	.
Asgrow	AG5633	56.4	.	**62.2**	.	**59.3**	.
Bayer	HBK R5425	57.4	.	57.0	.	**57.2**	.
Bayer	HBK RY5421	57.3	.	55.0	.	**56.2**	.
Bayer	HBK RY5521	**59.6**	.	55.7	.	**57.6**	.
Go Soy	5010 LL	54.2	.	52.4	.	**53.3**	.
Go Soy	5410 LL	53.6	.	56.7	.	**55.2**	.
NK	S56-G6 Brand	**60.1**	.	**65.8**	.	**62.9**	.
NK	S56-W5 Brand	57.1	.	**65.3**	.	**61.2**	.
Pioneer	95Y61	**63.6**	.	55.3	.	**59.4**	.
Pioneer	95Y70	56.6	52.4	57.7	46.7	**57.1**	**49.5**
Pioneer	95Y71	54.7	**56.0**	58.3	**48.4**	**56.5**	**52.2**
Progeny	P 5610 RY	58.7	48.5	**61.7**	**51.0**	**60.2**	**49.7**
Progeny	P 5655 RY	**63.1**	**55.5**	60.0	46.4	**61.6**	**51.0**
Progeny	P 5711 RY	57.2	**56.1**	58.3	**48.5**	**57.7**	**52.3**
Progeny	P 5811 RY	57.0	50.8	57.1	46.3	**57.1**	**48.5**
Public Variety	Osage	58.3	51.8	60.4	**48.1**	**59.3**	**49.9**
Public Variety	Ozark	55.4	51.8	54.5	45.5	**55.0**	**48.6**
SS	LL595N	**59.3**	**54.8**	51.3	42.3	**55.3**	**48.5**
SS	SS5510NR2	58.0	50.8	55.7	43.4	**56.8**	**47.1**
SS	SS5511NR2	51.9	49.5	60.0	**48.3**	**55.9**	**48.9**
Schillinger	5220.RC	54.7	.	**64.7**	.	**59.7**	.
Schillinger	557.RC	54.9	.	**63.6**	.	59.3	.
Terral-REV™	56R21™	53.1	49.1	56.1	46.7	54.6	**47.9**
Terral-REV™	56R63™	**61.4**	**58.5**	55.4	46.0	58.4	**52.2**
Terral-REV™	57R21™	52.2	48.7	56.9	**48.3**	54.6	**48.5**
Terral-REV™	59R13™	55.8	.	57.3	.	56.6	.
Average		57.0	52.7	58.3	46.9	57.6	49.8
LSD at 10% Level		4.3	4.4	4.5	2.9	N.S.[5]	N.S.
Std. Err. of Entry Mean		1.8	1.9	1.9	1.2	1.3	1.1

Regional Summary of Early-Planted MG V and VI Soybean Variety Performance, 2012 (Continued)

Company or Brand Name	Variety	Yield[1] South[2] 2012	South[2] 2-Year Average	North[3] 2012	North[3] 2-Year Average	Statewide[4] 2012	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group VI							
AGSouth	AGS 6011 LL	**56.4**	**50.2**	**58.9**	42.4	57.7	46.3
AR	R02-3065	**53.3**	.	**57.8**	.	55.6	.
AR	R03-1250	**57.2**	.	**61.9**	.	59.5	.
Croplan Genetics	R2C6810	**61.3**	**55.3**	**56.1**	45.5	58.7	50.4
Dyna-Gro	36RY68	**60.3**	**56.8**	**59.3**	**48.6**	59.8	**52.7**
Dyna-Gro	V61N9RR	**64.9**	**58.4**	**65.8**	**50.7**	**65.3**	**54.5**
NK	S61-Q2	**57.3**	**56.2**	**56.6**	42.8	56.9	49.5
NK	S67-R6 Brand	**65.0**	.	**61.8**	.	**63.4**	.
Progeny	P 6710 RY	**60.5**	**56.6**	**59.3**	**47.5**	59.9	**52.1**
Public Variety	Musen	**60.5**	**61.4**	**53.9**	44.9	57.2	**53.2**
SS	SS 6810NR2	**61.4**	**57.0**	**58.0**	46.5	59.7	51.7
UGA	G05-1102RR	**58.3**	**54.9**	**57.8**	45.9	58.0	50.4
UGA	G06-2460RR	**55.2**	**54.5**	**56.3**	43.9	55.8	49.2
USG	76G10L	**56.9**	**51.5**	**58.8**	45.7	57.8	48.6
USG	76S22	**57.1**	.	**60.5**	.	58.8	.
USG	76S90R2	**59.9**	**53.9**	**62.1**	**49.7**	61.0	51.8
Average		59.1	55.6	59.1	46.2	59.1	50.9
LSD at 10% Level		N.S.	N.S.	N.S.	3.3	3.1	2.5
Std. Err. of Entry Mean		1.9	1.6	1.3	1.4	1.3	1.1

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

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

Regional Summary of Early- and Late-Planted MG VII and VIII Soybean Variety Performance, 2012

Company or Brand Name	Variety	Yield[1] South[2] 2012	South[2] 2-Year Average	North[3] 2012	North[3] 2-Year Average	Statewide[4] 2012	Statewide[4] 2-Year Average
		bu/acre					
Maturity Groups VII and VIII							
AGSouth	AGS 828 RR	**71.7**	**64.4**	42.3	33.9	**61.9**	**54.3**
AGSouth	AGS758RR	56.3	54.1	41.2	34.4	51.2	47.5
AGSouth	AGS Prichard RR	61.8	54.8	39.1	33.1	54.2	47.5
AGSouth	AGS Woodruff	**67.3**	60.4	**51.6**	**42.4**	**62.0**	**54.4**
AGSouth	AGS787 RR	63.5	56.7	43.4	34.5	56.8	49.3
Asgrow	AG7333	62.1	.	40.7	.	55.0	.
Asgrow	AG7733	64.3	.	43.8	.	57.4	.
Bayer	HBK R7028	57.3	.	41.1	.	51.9	.
Bayer	HBK R7200	51.1	.	41.1	.	47.8	.
Croplan Genetics	R2C7622	65.8	.	45.1	.	**58.9**	.
Croplan Genetics	R2T7390	**71.4**	.	43.1	.	**62.0**	.
Dyna-Gro	34RY75	**70.0**	**63.3**	45.4	**41.0**	**61.8**	**55.9**
Dyna-Gro	V76N9RR	65.7	**60.7**	44.3	37.3	**58.6**	**52.9**
NK	S74-M3 Brand	61.9	.	**46.5**	.	56.7	.
NK	S77-T7 Brand	**69.4**	.	**47.2**	.	**62.0**	.
NK	S78-G6 Brand	59.4	57.6	43.3	34.7	54.1	49.9
Pioneer	97M50	60.9	56.6	44.6	37.0	55.5	50.1
Progeny	P 7310 RY	**67.9**	**62.3**	**46.7**	38.1	**60.8**	**54.2**
Public Variety	Cook	65.3	60.2	37.0	35.8	55.9	52.0
Public Variety	Motte	61.9	57.3	39.0	35.4	54.3	50.0
Public Variety	Santee	60.9	59.3	40.6	36.0	54.1	51.5
SC	SC03-062	**68.2**	**62.1**	42.3	36.0	**59.6**	**53.4**
SC	SC04-306	64.0	.	40.7	.	56.2	.
SC	SC04-375	62.4	58.3	39.3	33.9	54.7	50.2
SS	SS7511NR2	65.6	57.1	**48.6**	38.2	**59.9**	50.8
UGA	G04-2215RR	61.1	58.2	39.9	33.7	54.1	50.0
UGA	G05-4237RR	65.2	57.8	42.0	33.8	57.5	49.8
UGA	G06-3182RR	**69.0**	**63.6**	43.8	36.4	**60.6**	**54.5**
UGA	G07-1185RR	**68.6**	58.6	41.4	36.4	**59.5**	51.2
UGA	G07-2879RR	65.8	59.1	41.4	36.0	**57.7**	51.4
UGA	G07-3557RR	61.5	57.8	39.7	35.9	54.2	50.5
UGA	G08-2869RR	65.0	.	38.7	.	56.2	.
UGA	G08-3279RR	62.6	.	42.7	.	56.0	.
UGA	G08-3282RR	65.2	.	**47.4**	.	**59.3**	.
UGA	G08-3795RR	59.9	.	38.2	.	52.7	.
UGA	G08-4200RR	**67.3**	.	**46.1**	.	**60.2**	.
UGA	G08-5122RR	**69.1**	.	39.8	.	**59.3**	.
UGA	G09PR-54362R2	65.8	59.7	43.6	35.4	**58.4**	51.6
UGA	G09PR-54378R2	62.6	58.9	**46.8**	**38.6**	57.3	52.1
UGA	G10PR-298R2	64.9	.	**46.3**	.	**58.7**	.

Regional Summary of Early- and Late-Planted MG VII and VIII Soybean Variety Performance, 2012 (Continued)

Company or Brand Name	Variety	Yield[1] South[2] 2012	South[2] 2-Year Average	North[3] 2012	North[3] 2-Year Average	Statewide[4] 2012	Statewide[4] 2-Year Average
		bu/acre					
Maturity Groups VII and VIII - continued							
UGA	G10PR-56248R2	63.9	.	43.5	.	57.1	.
UGA	G10PR-56401R2	66.6	.	36.4	.	56.5	.
UGA	G10PR-56466R2	58.1	.	45.0	.	53.7	.
USG	7732nRR	57.0	53.8	41.1	33.7	51.7	47.1
USG	77S40R2	61.2	56.6	44.9	34.1	55.7	49.1
Average		63.9	58.8	42.8	36.0	56.9	51.2
LSD at 10% Level		4.5	3.8	5.9	4.0	4.4	3.0
Std. Err. of Entry Mean		1.9	1.6	2.5	1.7	1.9	1.3

1. Yields calculated at 13% moisture.
2. Midville, Plains, Tifton, and Plains Late-Planted.
3. Athens Early-Planted and Griffin Late-Planted.
4. Four locations with total of 6 tests,

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:
Early-Planted Soybean Variety Performance, 2012, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2012 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™	**59.3**	1	**60.7**	09/23	39	2.0	15.1	1.7	1.0
Pioneer	95Y71	**57.9**	13	51.1	09/22	34	1.0	14.6	1.5	1.0
AGSouth	AGS 597RR	**53.1**	9	**53.3**	09/25	35	1.7	15.6	1.5	1.0
SS	LL595N	**52.3**	6	**54.6**	09/29	35	1.3	15.1	1.7	1.0
AGSouth	AGS 5911LL	**51.5**	10	**52.9**	09/29	32	1.3	14.7	1.5	1.0
Pioneer	95Y70	**50.3**	19	47.9	09/25	38	1.8	13.8	1.5	1.0
Progeny	P 5655 RY	49.6	5	**55.0**	09/22	41	2.0	14.1	1.5	1.0
Progeny	P 5811 RY	48.4	18[T]	48.4	09/25	33	1.7	13.7	1.7	1.0
SS	SS5510NR2	47.8	14	50.6	09/24	45	1.3	15.2	2.2	1.0
SS	SS5511NR2	46.9	17[T]	49.3	09/23	34	1.0	17.5	1.5	1.0
Public Variety	Osage	45.8	17[T]	49.3	09/25	29	1.0	13.4	1.5	1.0
Public Variety	Ozark	44.6	23	45.4	09/21	29	1.3	17.2	1.5	1.0
Terral-REV™	56R21™	43.3	25	42.6	09/20	35	1.0	13.9	1.5	1.0
Progeny	P 5610 RY	41.9	12	51.7	09/25	33	1.3	18.1	1.5	1.0
Progeny	P 5711 RY	40.0	22	46.7	09/26	33	1.3	16.6	2.0	1.0
Terral-REV™	57R21™	40.0	24	43.9	09/19	41	2.8	14.4	1.5	1.0
Bayer	HBK R5425	.	2	**59.8**	09/25	49	2.0	14.8	1.5	1.0
Pioneer	95Y61	.	3	**58.9**	09/26	37	1.3	15.6	1.5	1.0
AR	UA 5612	.	4[T]	**55.1**	09/24	35	2.0	15.7	1.7	1.0
Bayer	HBK RY5521	.	4[T]	**55.1**	09/26	33	1.7	13.6	1.7	1.0
Asgrow	AG5633	.	7	**54.1**	09/21	29	1.0	16.4	1.5	1.0
AGSouth	AGS 553LL	.	8	**53.5**	09/22	45	2.7	14.0	1.7	1.0
NK	S56-G6 Brand	.	11	52.0	09/27	28	1.0	15.9	1.7	1.0
Schillinger	557.RC	.	15	49.7	09/26	31	1.0	14.7	1.5	1.0
NK	S56-W5 Brand	.	16	49.4	09/25	34	1.0	15.5	1.8	1.0
Terral-REV™	59R13™	.	18[T]	48.4	09/25	33	1.0	14.4	1.5	1.0
Bayer	HBK RY5421	.	20	47.6	09/22	27	1.3	16.0	1.5	1.0
Go Soy	5010 LL	.	21	47.5	09/23	31	1.0	15.7	1.5	1.0
Go Soy	5410 LL	.	26	41.0	09/19	37	1.7	13.0	1.7	1.0
Schillinger	5220.RC	.	27	40.8	09/28	34	1.3	15.4	2.5	1.0
Average		48.3		50.5 [5]	09/24	35	1.5	15.1	1.6	1.0
LSD at 10% Level		9.4		8.3	03	3	0.6	0.8	0.3	-
Std. Err. of Entry Mean		3.4		3.5	01	1	0.3	0.3	0.1	-

Tifton, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
Public Variety	Musen	**60.4**	7	**57.4**	10/11	39	1.7	12.6	1.5	1.0
Dyna-Gro	V61N9RR	**58.1**	1	**65.7**	10/03	30	1.0	16.5	1.5	1.0
USG	76S90R2	**54.8**	5	**59.9**	10/15	27	1.0	15.3	1.5	1.0
Dyna-Gro	36RY68	**54.4**	10	54.8	10/14	34	1.0	14.7	1.5	1.0
NK	S61-Q2	**54.2**	9	**56.5**	09/27	38	1.0	16.3	1.5	1.0
Progeny	P 6710 RY	**53.4**	8	**57.1**	10/14	33	1.0	14.9	1.5	1.0
SS	SS 6810NR2	**52.5**	4	**60.4**	10/14	32	1.0	15.0	1.7	1.0
UGA	G06-2460RR	**52.5**	6	**58.1**	10/06	35	1.0	13.7	1.5	1.0
Croplan Genetics	R2C6810	**50.1**	3	**61.5**	10/14	33	1.0	15.1	1.5	1.0
UGA	G05-1102RR	**49.4**	10	53.2	10/10	36	1.0	13.5	1.5	1.0
AGSouth	AGS 6011 LL	**43.6**	13	46.5	09/21	30	1.0	15.9	1.5	1.0
USG	76G10L	**43.0**	12	47.2	09/22	27	1.3	16.2	1.5	1.0
NK	S67-R6 Brand	.	2	**63.5**	10/09	39	1.3	14.7	1.5	1.0
AR	R02-3065	.	11	47.4	09/27	26	1.0	17.8	1.7	1.0
USG	76S22	.	14	43.4	10/08	21	1.0	12.3	1.8	1.0
AR	R03-1250	.	15	42.2	09/28	31	1.0	16.6	1.7	1.0
Average		52.2		54.7 [6]	10/06	32	1.1	15.1	1.6	1.0
LSD at 10% Level		N.S.[7]		9.6	02	4	N.S.	0.8	N.S.	-
Std. Err. of Entry Mean		2.7		4.0	01	2	0.1	0.3	0.1	-

Tifton, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
AGSouth	AGS 828 RR	**75.0**	1	**75.2**	10/20	39	1.3	14.9	1.5	1.0
UGA	G09PR-54362R2	**73.1**	4	**69.7**	10/21	40	1.0	15.2	1.7	1.0
UGA	G06-3182RR	**70.6**	7	**68.2**	10/18	33	1.0	14.4	1.5	1.0
SS	SS7511NR2	**67.0**	9	**65.8**	10/20	35	1.0	16.4	1.7	1.0
AGSouth	AGS787 RR	**66.9**	15	62.3	10/17	34	1.0	15.1	1.5	1.0
Dyna-Gro	34RY75	**66.4**	13	62.7	10/20	37	1.0	14.4	1.5	1.0
AGSouth	AGS Woodruff	**65.4**	8	**67.0**	10/22	33	1.0	19.0	1.5	1.0
NK	S78-G6 Brand	**65.1**	16	62.1	10/20	39	1.3	17.1	2.2	1.0
SC	SC04-375	**64.6**	22	58.5	10/21	33	1.3	15.5	1.3	1.0
Pioneer	97M50	**64.6**	25	57.3	10/18	33	1.0	14.8	1.5	1.0
Dyna-Gro	V76N9RR	**64.5**	14	62.5	10/17	42	1.3	13.2	1.5	1.0
SC	SC03-062	**64.4**	6	**68.8**	10/22	33	1.3	15.8	1.5	1.0
UGA	G05-4237RR	**64.2**	10	65.1	10/22	34	1.0	15.7	1.5	1.0
Public Variety	Santee	**64.2**	30[T]	54.5	10/17	39	1.3	15.3	1.5	1.0
Public Variety	Motte	**63.8**	18	61.5	10/19	37	2.3	15.3	1.5	1.0
UGA	G07-2879RR	**63.6**	21	60.0	10/21	33	1.0	16.7	1.5	1.0
Progeny	P 7310 RY	**63.5**	32	53.9	10/18	29	1.0	15.9	1.5	1.0
Public Variety	Cook	**62.9**	23[T]	58.1	10/19	37	1.3	17.7	1.5	1.0
UGA	G09PR-54378R2	**61.4**	30[T]	54.5	10/14	37	1.3	13.9	1.5	1.0
UGA	G04-2215RR	**61.4**	35[T]	53.1	10/20	31	1.0	12.2	1.5	1.0
UGA	G07-3557RR	**61.0**	17	61.9	10/20	42	1.7	17.9	1.5	1.0
AGSouth	AGS Prichard RR	**61.0**	24	57.6	10/24	37	1.0	14.2	1.5	1.0
USG	77S40R2	**59.2**	33	53.5	10/18	29	1.0	16.7	1.7	1.0
UGA	G07-1185RR	**58.2**	26	57.1	10/21	37	1.0	12.2	1.5	1.0
AGSouth	AGS758RR	**54.6**	39	44.8	10/17	31	1.0	14.0	1.5	1.0
USG	7732nRR	**51.4**	42	37.7	10/16	33	1.3	13.7	1.7	1.0
Croplan Genetics	R2C7622	.	2	**71.1**	10/17	34	1.0	13.5	1.5	1.0
UGA	G08-4200RR	.	3	**70.0**	10/09	41	2.3	11.8	1.5	1.0
NK	S77-T7 Brand	.	5	**69.1**	10/19	37	1.3	13.6	1.7	1.0
UGA	G08-5122RR	.	11	64.8	10/19	38	1.7	14.2	1.5	1.0
Croplan Genetics	R2T7390	.	12	64.3	10/18	30	1.0	16.9	1.5	1.0
UGA	G10PR-56248R2	.	19	60.7	10/16	34	1.0	13.7	1.5	1.0
UGA	G08-3795RR	.	20	60.6	10/19	39	1.3	13.4	1.5	1.0
UGA	G10PR-56401R2	.	23[T]	58.1	10/20	35	1.0	16.0	1.7	1.0
UGA	G08-2869RR	.	27	56.2	10/22	31	1.0	14.9	1.7	1.0
UGA	G10PR-298R2	.	28	56.0	10/16	32	1.0	13.6	1.7	1.0
UGA	G08-3282RR	.	29	55.7	10/21	37	1.3	14.8	1.5	1.0
Asgrow	AG7333	.	31	54.0	10/20	33	1.0	16.8	1.5	1.0
UGA	G08-3279RR	.	34	53.3	10/19	33	1.0	14.5	1.5	1.0
NK	S74-M3 Brand	.	35[T]	53.1	10/17	28	1.0	17.1	1.5	1.0
Asgrow	AG7733	.	36	52.8	10/21	35	1.0	15.3	1.7	1.0
UGA	G10PR-56466R2	.	37	48.1	10/15	32	1.0	12.7	1.5	1.0
SC	SC04-306	.	38	45.5	10/19	31	1.3	13.1	1.7	1.0
Bayer	HBK R7200	.	40	43.6	10/05	40	2.0	14.6	1.8	1.0
Bayer	HBK R7028	.	41	42.8	10/09	35	1.3	14.6	1.5	1.0
Average		63.8		58.5 [8]	10/18	35	1.2	14.9	1.6	1.0
LSD at 10% Level		N.S.		9.7	02	4	0.5	1.0	0.2	-
Std. Err. of Entry Mean		2.1		4.1	01	2	0.2	0.4	0.1	-

Tifton, Georgia:
Early-Planted Soybean Variety Performance, 2012, 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 = 12.0% and df for EMS = 58.
6. CV = 12.6% and df for EMS = 30.
7. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
8. CV = 12.2% and df for EMS = 88.

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 10, 2012.
Harvested:	Maturity Group V - October 12, 2012. Maturity Group VI - October 22, 2012. Maturity Group VII & VIII = November 2, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	Maturity Groups V and VI: P = Very High, K = Medium, and pH = 6.3. Maturity Group VII & VIII: P = High, K = Medium, and pH = 6.4.
Fertilization:	0 lb N, 0 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Disked, subsoiled, bedded, and rototilled: Trust, First Rate, Select, Classic, and Storm used for weed control; Brigade and Tracer used for insect control; Domark used for rust control; Telone II used for nematode control; irrigated 5 inches.

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

Plains, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
Progeny	P 5711 RY	**52.1**	15	52.3	10/01	21	2.0	.	.	1.0
SS	SS5510NR2	**48.4**	10	**54.4**	09/29	35	1.0	.	.	1.0
AGSouth	AGS 597RR	**47.6**	21	49.9	10/02	29	2.0	.	.	1.0
Progeny	P 5655 RY	**46.7**	2	**59.0**	09/29	32	1.0	.	.	1.0
SS	LL595N	**46.2**	6	**57.5**	09/30	35	1.3	.	.	1.0
Terral-REV™	56R63™	**44.6**	11	53.0	10/03	34	1.7	.	.	1.0
Pioneer	95Y70	**44.0**	3	**58.5**	10/04	28	2.0	.	.	1.0
AGSouth	AGS 5911LL	**42.8**	20[T]	51.0	10/02	31	2.0	.	.	1.0
Public Variety	Ozark	**41.8**	16	52.1	09/25	33	2.0	.	.	1.0
Terral-REV™	57R21™	**41.4**	24	45.0	10/01	34	2.3	.	.	1.0
Progeny	P 5811 RY	**41.0**	9	**55.0**	09/29	34	1.3	.	.	1.0
Pioneer	95Y71	**39.5**	27	40.1	10/01	30	2.0	.	.	1.0
Public Variety	Osage	**37.9**	20[T]	51.0	09/27	34	1.0	.	.	1.0
Terral-REV™	56R21™	**37.8**	22	49.2	10/09	34	1.7	.	.	1.0
SS	SS5511NR2	**36.1**	28	38.0	10/01	19	2.0	.	.	1.0
Progeny	P 5610 RY	**35.5**	14	52.5	10/01	29	1.3	.	.	1.0
NK	S56-G6 Brand	.	1	**62.7**	10/01	26	1.3	.	.	1.0
Pioneer	95Y61	.	4	**58.3**	10/02	33	1.3	.	.	1.0
Bayer	HBK RY5521	.	5	**58.2**	09/29	34	2.0	.	.	1.0
AGSouth	AGS 553LL	.	7	**55.8**	09/26	35	1.3	.	.	1.0
Schillinger	5220.RC	.	8	**55.4**	10/01	36	2.0	.	.	1.0
Go Soy	5010 LL	.	12	52.9	09/25	37	2.0	.	.	1.0
Terral-REV™	59R13™	.	13	52.8	10/03	27	1.3	.	.	1.0
Bayer	HBK R5425	.	17[T]	51.9	10/03	39	2.0	.	.	1.0
Go Soy	5410 LL	.	17[T]	51.9	10/02	32	1.7	.	.	1.0
Bayer	HBK RY5421	.	18	51.8	09/28	29	2.0	.	.	1.0
NK	S56-W5 Brand	.	19	51.1	10/01	29	2.0	.	.	1.0
Schillinger	557.RC	.	23	48.5	09/29	29	1.7	.	.	1.0
Asgrow	AG5633	.	25	43.3	10/01	20	2.0	.	.	1.0
AR	UA 5612	.	26	43.2	09/30	31	2.0	.	.	1.0
Average		**42.7**		51.9 [5]	09/30	31	1.7	.	.	1.0
LSD at 10% Level		N.S.[6]		8.6	N.S.	7	0.5			-
Std. Err. of Entry Mean		3.1		3.6	02	3	0.2			-

Plains, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
Public Variety	Musen	**65.3**	2	**62.9**	10/19	39	2.0	.	.	1.0
Dyna-Gro	36RY68	**54.2**	5	**56.5**	10/18	29	1.7	.	.	1.0
Dyna-Gro	V61N9RR	**52.6**	1	**63.3**	10/07	23	2.0	.	.	1.0
UGA	G05-1102RR	**52.3**	8	**55.1**	10/14	31	1.3	.	.	1.0
Progeny	P 6710 RY	**52.1**	12	53.5	10/18	31	2.0	.	.	1.0
NK	S61-Q2	**51.9**	11[T]	53.8	10/04	28	1.7	.	.	1.0
SS	SS 6810NR2	**51.8**	7	**55.4**	10/17	28	1.3	.	.	1.0
Croplan Genetics	R2C6810	**50.0**	10	54.0	10/17	27	1.3	.	.	1.0
UGA	G06-2460RR	**46.8**	14	45.6	10/11	18	2.0	.	.	1.0
USG	76S90R2	**43.6**	11[T]	53.8	10/17	29	2.0	.	.	1.0
USG	76G10L	**42.8**	9	**54.9**	09/28	28	1.7	.	.	1.0
AGSouth	AGS 6011 LL	**37.7**	13	50.8	09/25	28	1.7	.	.	1.0
USG	76S22	.	3	**60.5**	10/05	19	2.0	.	.	1.0
NK	S67-R6 Brand	.	4	**58.2**	10/13	25	1.3	.	.	1.0
AR	R03-1250	.	6	**55.5**	10/01	28	1.0	.	.	1.0
AR	R02-3065	.	15	42.6	10/02	24	1.3	.	.	1.0
Average		50.1		54.8 [7]	10/09	27	1.6	.	.	1.0
LSD at 10% Level		N.S.		8.4	04	8	N.S.			-
Std. Err. of Entry Mean		2.6		3.5	02	3	0.3			-

Plains, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
UGA	G06-3182RR	**66.7**	5[T]	**76.8**	10/15	25	1.3	.	.	1.0
AGSouth	AGS 828 RR	**64.5**	2	**79.4**	10/21	33	2.0	.	.	1.0
Public Variety	Santee	**64.3**	11	**71.4**	10/19	36	2.0	.	.	1.0
UGA	G07-1185RR	**64.2**	1	**81.7**	10/23	32	2.0	.	.	1.0
Dyna-Gro	34RY75	**63.5**	10	**71.8**	10/22	25	2.0	.	.	1.0
Public Variety	Cook	**62.7**	7	**73.7**	10/21	36	3.0	.	.	1.0
SC	SC03-062	**61.1**	28[T]	62.6	10/24	29	2.3	.	.	1.0
UGA	G09PR-54378R2	**60.9**	16	68.9	10/17	32	1.3	.	.	1.0
UGA	G07-3557RR	**60.4**	17	68.6	10/23	35	2.3	.	.	1.0
UGA	G05-4237RR	**60.3**	19	67.8	10/23	27	1.0	.	.	1.0
UGA	G07-2879RR	**60.2**	8	**73.1**	10/20	30	1.0	.	.	1.0
UGA	G04-2215RR	**58.6**	29	62.3	10/17	27	1.0	.	.	1.0
AGSouth	AGS Woodruff	**57.8**	30	61.8	10/20	30	2.3	.	.	1.0
Public Variety	Motte	**57.6**	23	65.6	10/22	33	2.3	.	.	1.0
AGSouth	AGS Prichard RR	**57.1**	12	**70.7**	10/24	35	2.3	.	.	1.0
Pioneer	97M50	**56.4**	15	69.4	10/18	35	2.0	.	.	1.0
Dyna-Gro	V76N9RR	**55.4**	34	59.4	10/21	21	1.7	.	.	1.0
SC	SC04-375	**54.8**	24	64.8	10/18	30	2.3	.	.	1.0
AGSouth	AGS758RR	**54.6**	25	63.6	10/17	27	1.3	.	.	1.0
SS	SS7511NR2	**53.0**	35	57.9	10/19	27	1.0	.	.	1.0
USG	7732nRR	**52.5**	33	60.3	10/17	19	2.7	.	.	1.0
Progeny	P 7310 RY	**52.4**	27	63.1	10/17	23	1.0	.	.	1.0
UGA	G09PR-54362R2	**51.8**	22	66.8	10/19	31	1.3	.	.	1.0
AGSouth	AGS787 RR	**51.7**	20	67.1	10/17	27	1.7	.	.	1.0
NK	S78-G6 Brand	**51.7**	42	47.7	10/17	27	2.0	.	.	1.0
USG	77S40R2	**49.4**	38	57.2	10/18	21	2.0	.	.	1.0
UGA	G08-5122RR	.	3	**78.5**	10/21	35	2.0	.	.	1.0
UGA	G08-3282RR	.	4	**77.1**	10/23	33	2.3	.	.	1.0
SC	SC04-306	.	5[T]	**76.8**	10/23	35	1.3	.	.	1.0
UGA	G10PR-56401R2	.	6	**74.0**	10/19	34	1.3	.	.	1.0
UGA	G10PR-56248R2	.	9	**71.9**	10/16	28	1.3	.	.	1.0
NK	S77-T7 Brand	.	13[T]	**70.3**	10/22	29	2.0	.	.	1.0
UGA	G10PR-298R2	.	13[T]	**70.3**	10/16	24	1.3	.	.	1.0
UGA	G08-2869RR	.	14	70.1	10/22	30	1.0	.	.	1.0
UGA	G08-3279RR	.	18	68.5	10/22	27	1.3	.	.	1.0
Asgrow	AG7733	.	21	67.0	10/21	23	1.7	.	.	1.0
Croplan Genetics	R2T7390	.	26	63.5	10/16	21	1.0	.	.	1.0
UGA	G10PR-56466R2	.	28[T]	62.6	10/16	26	1.3	.	.	1.0
UGA	G08-4200RR	.	31	61.5	10/18	28	2.0	.	.	1.0
Croplan Genetics	R2C7622	.	32	60.4	10/19	27	1.3	.	.	1.0
UGA	G08-3795RR	.	36	57.6	10/19	28	1.7	.	.	1.0
Bayer	HBK R7028	.	37	57.4	10/16	23	1.3	.	.	1.0
Asgrow	AG7333	.	39	56.6	10/18	29	1.7	.	.	1.0
Bayer	HBK R7200	.	40	53.1	10/13	38	3.0	.	.	1.0
NK	S74-M3 Brand	.	41	48.4	10/16	17	1.0	.	.	1.0
Average		57.8		66.2[8]	10/19	29	1.7	.	.	1.0
LSD at 10% Level		N.S.		11.4	02	3	0.6			-
Std. Err. of Entry Mean		3.1		4.8	01	1	0.2			-

Plains, Georgia:
Early-Planted Soybean Variety Performance, 2012, 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 = 12.1% and df for EMS = 58.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 11.1% and df for EMS = 30.
8. CV = 12.6% and df for EMS = 88.

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 24, 2012.
Harvested:	October 16, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Medium, K = Very High, and pH = 6.4.
Fertilization:	21 lb N, 60 lb P_2O_5, and 60 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Harrowed, subsoiled, and chiseled; Prowl, Reflex, First Rate, Ultra Blazer, and Classic used for weed control; Orthene, Mustang Max, Discipline, Sniper, Endigo, and Ambush used for insect control; Domark used for rust control; irrigated 11 inches.

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

Plains, Georgia:
Late-Planted Soybean Variety Performance, 2012, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
Progeny	P 7310 RY	**62.2**	3	**80.7**	10/19	34	1.0	.	.	1.0
SC	SC03-062	**61.6**	12[T]	72.2	10/25	36	3.0	.	.	1.0
Dyna-Gro	34RY75	**60.3**	2	**80.9**	10/22	42	2.0	.	.	1.0
Dyna-Gro	V76N9RR	**59.6**	5	**75.6**	10/23	46	3.0	.	.	1.0
UGA	G07-3557RR	**57.5**	27[T]	66.6	10/23	44	2.0	.	.	1.0
AGSouth	AGS 828 RR	**57.1**	11	72.3	10/22	40	3.0	.	.	1.0
UGA	G06-3182RR	**56.8**	27[T]	66.6	10/15	38	3.0	.	.	1.0
UGA	G07-2879RR	**56.6**	20	68.6	10/21	36	1.0	.	.	1.0
AGSouth	AGS Woodruff	**56.3**	6	75.0	10/22	42	2.0	.	.	1.0
UGA	G04-2215RR	**55.3**	21	68.4	10/16	34	1.0	.	.	1.0
NK	S78-G6 Brand	**55.1**	19[T]	68.7	10/19	38	1.0	.	.	1.0
USG	77S40R2	**55.0**	17	69.4	10/18	32	1.0	.	.	1.0
UGA	G07-1185RR	**54.9**	7	74.8	10/23	36	1.0	.	.	1.0
UGA	G05-4237RR	**54.5**	25	67.3	10/23	42	1.0	.	.	1.0
Public Variety	Santee	**53.8**	35[T]	63.2	10/19	44	2.0	.	.	1.0
AGSouth	AGS Prichard RR	**53.5**	32	64.0	10/24	38	2.0	.	.	1.0
UGA	G09PR-54378R2	**53.1**	22	68.3	10/18	44	1.0	.	.	1.0
UGA	G09PR-54362R2	**52.4**	35[T]	63.2	10/18	40	2.0	.	.	1.0
SC	SC04-375	**52.3**	26	66.9	10/16	40	2.0	.	.	1.0
AGSouth	AGS758RR	**52.3**	36	62.2	10/17	38	3.0	.	.	1.0
Pioneer	97M50	**51.4**	34	63.7	10/15	38	2.0	.	.	1.0
AGSouth	AGS787 RR	**50.6**	33	63.9	10/16	38	2.0	.	.	1.0
Public Variety	Cook	**50.2**	37	61.8	10/16	40	3.0	.	.	1.0
SS	SS7511NR2	**49.9**	23	68.2	10/23	42	2.0	.	.	1.0
Public Variety	Motte	**49.8**	38	60.3	10/23	38	3.0	.	.	1.0
USG	7732nRR	**48.3**	29	64.8	10/20	30	3.0	.	.	1.0
Croplan Genetics	R2T7390	.	1	**81.2**	10/20	34	1.0	.	.	1.0
NK	S74-M3 Brand	.	4	**76.1**	10/19	34	2.0	.	.	1.0
NK	S77-T7 Brand	.	8	73.8	10/22	36	1.0	.	.	1.0
SC	SC04-306	.	9	73.1	10/23	38	2.0	.	.	1.0
UGA	G08-2869RR	.	10	72.5	10/23	42	2.0	.	.	1.0
Asgrow	AG7733	.	12[T]	72.2	10/21	38	2.0	.	.	1.0
Asgrow	AG7333	.	12[T]	72.2	10/17	38	2.0	.	.	1.0
UGA	G08-3282RR	.	13	72.1	10/24	36	3.0	.	.	1.0
Croplan Genetics	R2C7622	.	14	70.5	10/18	40	1.0	.	.	1.0
UGA	G08-4200RR	.	15[T]	70.4	10/21	40	3.0	.	.	1.0
UGA	G10PR-298R2	.	15[T]	70.4	10/17	34	1.0	.	.	1.0
UGA	G08-3279RR	.	16	70.2	10/23	40	2.0	.	.	1.0
UGA	G10PR-56401R2	.	18	69.0	10/21	42	3.0	.	.	1.0
UGA	G08-5122RR	.	19[T]	68.7	10/22	42	3.0	.	.	1.0
Bayer	HBK R7028	.	24	67.9	10/20	38	1.0	.	.	1.0
UGA	G10PR-56248R2	.	28	66.4	10/17	46	2.0	.	.	1.0
UGA	G08-3795RR	.	30	64.7	10/20	42	2.0	.	.	1.0
UGA	G10PR-56466R2	.	31	64.1	10/15	36	2.0	.	.	1.0
Bayer	HBK R7200	.	39	55.8	10/15	42	2.0	.	.	1.0
Average		54.6		69.1[5]	10/19	39	2.0	.	.	1.0
LSD at 10% Level		N.S.[6]		6.1	-	-	-			-
Std. Err. of Entry Mean		2.0		2.6	-	-	-			-

Plains, Georgia:
Late-Planted Soybean Variety Performance, 2012, 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 = 6.5% and df for EMS = 88.
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:	May 24, 2012.
Harvested:	October 30, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Medium, K = Very High, and pH = 6.4.
Fertilization:	21 lb N, 60 lb P_2O_5, and 60 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Harrowed, subsoiled, and chiseled; Prowl, Reflex, First Rate, Ultra Blazer, and Classic used for weed control; Orthene, Mustang Max, Discipline, Sniper, Endigo, and Ambush used for insect control; Domark used for rust control; irrigated 11 inches.

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

Midville, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
Progeny	P 5711 RY	**76.2**	5[T]	**72.6**	10/03	35	1.7	.	.	1.0
Public Variety	Osage	**71.6**	2	**74.5**	10/02	33	1.0	.	.	1.0
Terral-REV™	56R63™	**71.6**	8	**70.5**	10/05	39	2.3	.	.	1.0
Pioneer	95Y71	**70.5**	4	**73.0**	10/03	35	1.7	.	.	1.0
Progeny	P 5655 RY	**70.3**	1	**75.4**	10/01	43	1.7	.	.	1.0
Public Variety	Ozark	**68.9**	11	68.8	09/28	31	1.0	.	.	1.0
Progeny	P 5610 RY	**68.0**	6[T]	**71.8**	09/30	37	2.0	.	.	1.0
Terral-REV™	56R21™	**66.3**	15	67.6	10/04	37	2.0	.	.	1.0
AGSouth	AGS 597RR	**65.9**	18[T]	66.1	10/06	39	2.3	.	.	1.0
SS	LL595N	**65.8**	20	65.8	10/04	40	1.0	.	.	1.0
SS	SS5511NR2	**65.5**	12	68.3	10/01	38	1.7	.	.	1.0
Terral-REV™	57R21™	**64.6**	14[T]	67.8	10/04	41	2.7	.	.	1.0
AGSouth	AGS 5911LL	**64.6**	19	65.9	10/05	35	1.0	.	.	1.0
Progeny	P 5811 RY	**62.9**	16	67.5	10/04	39	2.0	.	.	1.0
Pioneer	95Y70	**62.9**	23	63.5	10/07	42	2.7	.	.	1.0
SS	SS5510NR2	**56.2**	9	69.0	10/02	47	2.0	.	.	1.0
Pioneer	95Y61	.	3	**73.4**	10/06	38	1.7	.	.	1.0
AGSouth	AGS 553LL	.	5[T]	**72.6**	10/01	45	2.7	.	.	1.0
Bayer	HBK RY5421	.	5[T]	**72.6**	10/01	37	1.3	.	.	1.0
Asgrow	AG5633	.	6[T]	**71.8**	09/30	33	1.3	.	.	1.0
NK	S56-W5 Brand	.	7	**70.9**	10/04	36	2.0	.	.	1.0
AR	UA 5612	.	10	68.9	10/05	39	2.7	.	.	1.0
Go Soy	5410 LL	.	13	67.9	10/03	44	1.3	.	.	1.0
Schillinger	5220.RC	.	14[T]	67.8	10/03	42	2.0	.	.	1.0
Schillinger	557.RC	.	17	66.5	10/01	37	1.3	.	.	1.0
Terral-REV™	59R13™	.	18[T]	66.1	10/01	38	1.3	.	.	1.0
NK	S56-G6 Brand	.	21	65.6	10/01	33	1.0	.	.	1.0
Bayer	HBK RY5521	.	22	65.5	10/02	40	2.0	.	.	1.0
Go Soy	5010 LL	.	24	62.3	09/29	37	2.3	.	.	1.0
Bayer	HBK R5425	.	25	60.5	10/01	53	2.0	.	.	1.0
Average		67.0		68.7 [5]	10/02	39	1.8	.	.	1.0
LSD at 10% Level		N.S.[6]		5.2	01	3	0.7			-
Std. Err. of Entry Mean		1.7		2.2	01	1	0.3			-

Midville, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
AGSouth	AGS 6011 LL	**69.3**	3	**72.1**	09/29	35	1.7	.	.	1.0
USG	76G10L	**68.8**	7	68.6	10/02	35	2.7	.	.	1.0
SS	SS 6810NR2	**66.6**	8	68.5	10/16	41	2.3	.	.	1.0
Croplan Genetics	R2C6810	**65.8**	9	68.4	10/15	42	2.3	.	.	1.0
Progeny	P 6710 RY	**64.4**	4	**70.9**	10/16	41	2.3	.	.	1.0
Dyna-Gro	V61N9RR	**64.3**	13	65.7	10/09	41	2.3	.	.	1.0
UGA	G06-2460RR	**64.2**	14	62.1	10/10	36	1.3	.	.	1.0
USG	76S90R2	**63.5**	12	66.0	10/15	39	2.3	.	.	1.0
UGA	G05-1102RR	**62.9**	11	66.4	10/13	41	2.0	.	.	1.0
NK	S61-Q2	**62.7**	15	61.5	10/06	41	2.3	.	.	1.0
Dyna-Gro	36RY68	**61.6**	6	**69.4**	10/13	36	1.7	.	.	1.0
Public Variety	Musen	**58.5**	16	61.2	10/17	41	3.0	.	.	1.0
AR	R03-1250	.	1	**73.8**	10/04	41	1.3	.	.	1.0
NK	S67-R6 Brand	.	2	**73.2**	10/10	40	2.7	.	.	1.0
AR	R02-3065	.	5	**70.0**	10/05	37	1.7	.	.	1.0
USG	76S22	.	10	67.5	10/10	37	1.5	.	.	1.0
Average		64.4		67.8 [7]	10/10	39	2.1	.	.	1.0
LSD at 10% Level		N.S.		4.7	03	4	0.7			-
Std. Err. of Entry Mean		2.1		2.0	01	2	0.3			-

Midville, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
Progeny	P 7310 RY	**71.0**	2	**74.0**	10/21	34	1.0	.	.	1.0
Public Variety	Cook	**64.8**	6	67.7	10/22	34	1.0	.	.	1.0
Dyna-Gro	V76N9RR	**63.1**	9	65.3	10/23	40	3.0	.	.	1.0
Dyna-Gro	34RY75	**62.9**	13	64.7	10/22	32	1.0	.	.	1.0
USG	7732nRR	**62.8**	12[T]	65.0	10/24	32	3.0	.	.	1.0
USG	77S40R2	**62.6**	14	64.6	10/22	28	1.0	.	.	1.0
AGSouth	AGS Woodruff	62.1	10	65.2	10/23	34	1.0	.	.	1.0
UGA	G09PR-54362R2	61.6	18	63.5	10/19	40	1.0	.	.	1.0
SC	SC03-062	61.3	5	69.4	10/25	38	3.0	.	.	1.0
SC	SC04-375	61.2	29	59.5	10/21	30	2.0	.	.	1.0
AGSouth	AGS 828 RR	61.0	28	59.9	10/24	34	3.0	.	.	1.0
UGA	G06-3182RR	60.1	17	64.2	10/19	30	1.0	.	.	1.0
UGA	G09PR-54378R2	59.9	30[T]	58.6	10/18	36	1.0	.	.	1.0
SS	SS7511NR2	58.6	3	**70.5**	10/22	38	2.0	.	.	1.0
NK	S78-G6 Brand	58.2	30	59.2	10/20	36	1.0	.	.	1.0
Public Variety	Motte	58.1	27	60.1	10/23	38	2.0	.	.	1.0
AGSouth	AGS787 RR	57.5	25[T]	60.7	10/20	40	2.0	.	.	1.0
UGA	G04-2215RR	57.3	24[T]	60.8	10/20	40	2.0	.	.	1.0
UGA	G07-1185RR	57.0	24[T]	60.8	10/06	34	2.0	.	.	1.0
UGA	G07-2879RR	56.1	20	61.4	10/23	26	1.0	.	.	1.0
AGSouth	AGS758RR	54.9	36	54.6	10/19	36	1.0	.	.	1.0
Public Variety	Santee	54.7	37	54.3	10/19	42	2.0	.	.	1.0
Pioneer	97M50	53.7	38	53.0	10/21	32	1.0	.	.	1.0
UGA	G05-4237RR	52.2	25[T]	60.7	10/24	46	2.0	.	.	1.0
UGA	G07-3557RR	52.1	40	48.9	10/25	38	2.0	.	.	1.0
AGSouth	AGS Prichard RR	47.3	35	54.9	10/06	36	2.0	.	.	1.0
Croplan Genetics	R2T7390	.	1	**76.5**	10/19	38	2.0	.	.	1.0
NK	S74-M3 Brand	.	4	69.9	10/22	30	1.0	.	.	1.0
UGA	G08-4200RR	.	7	67.2	10/19	36	3.0	.	.	1.0
Asgrow	AG7333	.	8	65.6	10/21	36	2.0	.	.	1.0
UGA	G10PR-56401R2	.	11	65.1	10/22	36	1.0	.	.	1.0
Asgrow	AG7733	.	12[T]	65.0	10/24	38	1.0	.	.	1.0
UGA	G08-5122RR	.	15	64.4	10/23	40	2.0	.	.	1.0
NK	S77-T7 Brand	.	16	64.3	10/21	38	1.0	.	.	1.0
UGA	G10PR-298R2	.	19	62.8	10/19	34	1.0	.	.	1.0
Croplan Genetics	R2C7622	.	21	61.2	10/23	38	2.0	.	.	1.0
UGA	G08-2869RR	.	22	61.1	10/23	38	2.0	.	.	1.0
Bayer	HBK R7028	.	23	61.0	10/15	42	1.0	.	.	1.0
SC	SC04-306	.	26	60.6	10/24	38	2.0	.	.	1.0
UGA	G08-3279RR	.	30[T]	58.6	10/21	38	2.0	.	.	1.0
UGA	G10PR-56466R2	.	31	57.7	10/19	30	1.0	.	.	1.0
UGA	G08-3795RR	.	32	56.7	10/20	38	2.0	.	.	1.0
UGA	G10PR-56248R2	.	33	56.5	10/19	32	1.0	.	.	1.0
UGA	G08-3282RR	.	34	56.0	10/25	38	2.0	.	.	1.0
Bayer	HBK R7200	.	39	52.1	10/13	48	1.0	.	.	1.0
Average		58.9		61.9 [8]	10/20	36	1.6	.	.	1.0
LSD at 10% Level		8.4		6.4	-	-	-			-
Std. Err. of Entry Mean		2.0		2.7	-	-	-			-

Midville, Georgia:
Early-Planted Soybean Variety Performance, 2012, 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 = 5.6% and df for EMS = 58.
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 = 30.
8. CV = 7.6% and df for EMS = 88.

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, 2012
Harvested:	October 31, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = High, K = High, and pH = 7.1.
Fertilization:	30 lb N, 46 lb P_2O_5, and 80 lb K_2O/acre.
Previous Crop:	Cotton.
Management:	Harrowed, ripped and bedded; Prowl, Gramoxone, Valor, Basagran, Volunteer, and Warrant used for weed control; Dimilin, Intrepid, Bifenthrin, Endigo, Steward, and Leverage used for insect control; Folicur and Domark used for rust control; Telone II used for nemaode control; irrigated 6 inches.

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

Griffin, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
Progeny	P 5711 RY	**68.6**	8	**68.8**	10/2	37	1.2	18.0	1.7	1.0
Pioneer	95Y71	**68.2**	10	**67.5**	10/3	36	1.0	15.5	1.5	1.0
Progeny	P 5610 RY	**67.8**	5[T]	**70.9**	9/30	34	1.0	19.2	1.8	1.0
Progeny	P 5811 RY	**67.7**	2	**73.3**	10/1	37	1.2	15.5	1.8	1.0
Public Variety	Ozark	**65.0**	16	65.0	9/30	33	1.2	17.7	1.8	1.0
Terral-REV™	56R21™	**64.8**	9[T]	**67.8**	10/3	38	1.2	14.7	1.7	1.0
Public Variety	Osage	**64.8**	14	66.3	9/28	30	1.0	14.1	1.5	1.0
SS	SS5511NR2	**63.7**	9[T]	**67.8**	10/1	36	1.0	19.2	1.7	1.0
AGSouth	AGS 5911LL	62.0	12	66.6	10/4	36	1.0	15.7	1.5	1.0
AGSouth	AGS 597RR	60.3	20	63.6	10/6	35	1.2	17.3	1.5	1.0
Terral-REV™	56R63™	59.7	24	61.7	10/1	37	1.0	16.1	1.8	1.0
Terral-REV™	57R21™	59.7	27	59.1	9/29	41	1.5	15.9	1.8	1.0
SS	LL595N	58.1	25	60.9	10/5	35	1.0	15.6	1.7	1.0
Progeny	P 5655 RY	57.8	22	62.1	10/1	37	1.0	15.4	1.7	1.0
SS	SS5510NR2	56.1	26	59.9	9/30	43	1.3	15.9	1.7	1.0
Pioneer	95Y70	54.2	23	61.9	10/6	40	2.2	14.2	1.5	1.0
Schillinger	557.RC	.	1	**73.9**	10/4	33	1.0	14.9	1.5	1.0
Schillinger	5220.RC	.	3	**71.9**	10/2	38	1.2	15.8	1.8	1.0
Bayer	HBK RY5421	.	4	**71.3**	9/30	34	1.0	15.9	1.5	1.0
NK	S56-G6 Brand	.	5[T]	**70.9**	10/4	31	1.0	15.6	1.5	1.0
Go Soy	5010 LL	.	6[T]	**69.5**	9/28	34	1.0	14.9	1.5	1.0
NK	S56-W5 Brand	.	6[T]	**69.5**	10/3	37	1.2	15.4	1.8	1.0
AR	UA 5612	.	7	**69.1**	9/30	38	2.0	13.4	1.7	1.0
Bayer	HBK RY5521	.	11	**67.4**	10/2	37	1.3	14.5	1.7	1.0
Pioneer	95Y61	.	13	66.5	10/3	39	1.2	15.3	2.0	1.0
Bayer	HBK R5425	.	15	66.1	10/4	46	1.3	17.0	2.2	1.0
Asgrow	AG5633	.	17	64.9	10/1	32	1.0	15.8	2.0	1.0
Terral-REV™	59R13™	.	18	64.1	10/5	37	1.2	14.6	1.5	1.0
AGSouth	AGS 553LL	.	19	63.8	9/28	45	1.3	14.2	1.8	1.0
Go Soy	5410 LL	.	21	62.5	9/28	36	1.0	14.5	1.8	1.0
Average		62.4		66.5 [5]	10/2	37	1.2	15.7	1.7	1.0
LSD at 10% Level		5.7		6.9	02	4	0.3	0.7	0.4	-
Std. Err. of Entry Mean		2.0		2.5	01	1	0.4	0.3	0.2	-

Griffin, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
USG	76G10L	**62.7**	5	**67.2**	10/03	33	1.0	16.3	1.5	1.0
UGA	G05-1102RR	**60.9**	4	**67.4**	10/14	40	1.0	15.0	1.5	1.0
Dyna-Gro	36RY68	**59.5**	10	62.9	10/15	41	1.5	15.3	1.5	1.0
USG	76S90R2	**58.5**	7	**65.6**	10/13	38	1.2	15.4	1.5	1.0
Dyna-Gro	V61N9RR	**58.4**	6	**66.8**	10/09	41	1.5	17.7	1.5	1.0
AGSouth	AGS 6011 LL	**57.9**	2	**69.8**	10/03	38	1.0	16.4	1.7	1.0
UGA	G06-2460RR	**57.4**	11	62.0	10/07	32	1.0	15.2	1.5	1.0
NK	S61-Q2	**57.2**	9	**64.5**	10/06	42	1.3	17.7	1.5	1.0
Progeny	P 6710 RY	54.1	13	60.3	10/14	42	1.2	15.1	1.5	1.0
Croplan Genetics	R2C6810	51.7	16	57.3	10/14	41	1.3	15.0	1.5	1.0
SS	SS 6810NR2	51.2	15	57.8	10/15	38	1.0	15.6	1.5	1.0
Public Variety	Musen	51.0	14	58.6	10/13	36	1.5	12.8	1.7	1.0
AR	R03-1250	.	1	**70.4**	10/04	37	1.0	18.5	1.5	1.0
NK	S67-R6 Brand	.	3	**68.8**	10/12	40	1.0	16.8	1.8	1.0
USG	76S22	.	8	**64.7**	10/10	28	1.0	14.4	1.5	1.0
AR	R02-3065	.	12	61.0	10/05	34	1.2	22.1	1.5	1.0
Average		56.7		64.1 [6]	10/10	37	1.2	16.2	1.5	1.0
LSD at 10% Level		5.5		7.3	02	4	0.3	1.0	0.2	-
Std. Err. of Entry Mean		2.0		3.0	01	1	0.1	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 = 7.6% and df for EMS = 58.
6. CV = 8.2% and df for EMS = 30.

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 17, 2012.
Harvested: October 30, 2012.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Cecil sandy clay 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, and rototilled; Cobra, Poast, and one cultivation used for weed control; Endigo and Dimilin used for insect control; Domark used for rust control; irrigated 9 inches.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2012, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
Pioneer	97M50	**41.3**	1	**47.9**	10/19	36	1.2	13.2	1.5	1.0
Dyna-Gro	34RY75	**41.2**	9	**42.0**	10/21	34	1.2	12.3	1.7	1.0
UGA	G07-2879RR	**40.5**	14	40.6	10/19	33	1.0	13.5	1.5	1.0
AGSouth	AGS Woodruff	**39.7**	4	**43.6**	10/23	35	1.3	15.4	1.5	1.0
UGA	G06-3182RR	**38.9**	12	**41.1**	10/12	34	1.0	11.7	1.5	1.0
UGA	G09PR-54378R2	**37.1**	6	**42.6**	10/18	35	1.3	13.9	1.5	1.0
UGA	G04-2215RR	**37.1**	17	39.8	10/18	30	1.0	10.7	1.7	1.0
Dyna-Gro	V76N9RR	**36.7**	8	**42.1**	10/20	38	1.3	12.3	1.8	1.0
UGA	G07-3557RR	**36.1**	34	35.3	10/26	37	1.0	14.2	1.5	1.0
Public Variety	Cook	**36.1**	36[T]	33.0	10/21	33	1.0	13.9	1.5	1.0
Public Variety	Santee	**35.9**	22	38.0	10/18	37	1.3	13.6	1.5	1.0
SS	SS7511NR2	**35.7**	3	**43.7**	10/21	30	1.0	16.4	1.7	1.0
UGA	G07-1185RR	**35.1**	28	36.3	10/27	36	1.3	11.1	1.5	1.0
UGA	G09PR-54362R2	**34.9**	18[T]	39.5	10/19	36	1.0	13.7	1.5	1.0
SC	SC03-062	**34.9**	23	37.9	10/25	39	1.3	12.3	1.8	1.0
NK	S78-G6 Brand	**34.8**	25	37.7	10/21	38	1.2	15.8	1.5	1.0
UGA	G05-4237RR	**34.6**	10	**41.6**	10/21	36	1.3	12.9	1.5	1.0
Progeny	P 7310 RY	**34.6**	11[T]	**41.2**	10/20	29	1.0	14.1	1.5	1.0
AGSouth	AGS758RR	**34.4**	20[T]	38.5	10/18	33	1.2	12.3	1.5	1.0
USG	77S40R2	**34.1**	15	40.3	10/19	29	1.0	15.0	1.5	1.0
AGSouth	AGS787 RR	**33.2**	19[T]	39.2	10/19	36	1.0	13.8	1.5	1.0
Public Variety	Motte	**33.2**	36[T]	33.0	10/25	36	1.5	12.4	1.7	1.0
AGSouth	AGS Prichard RR	**32.6**	35	34.5	10/26	35	1.5	11.5	1.7	1.0
USG	7732nRR	**32.2**	20[T]	38.5	10/23	36	1.5	15.0	1.8	1.0
AGSouth	AGS 828 RR	**31.7**	19[T]	39.2	10/19	35	1.2	11.7	1.7	1.0
SC	SC04-375	**29.1**	37	31.6	10/19	31	1.2	14.4	1.7	1.0
NK	S77-T7 Brand	.	2	**46.2**	10/20	35	1.0	12.6	1.5	1.0
Croplan Genetics	R2T7390	.	5	**43.5**	10/18	32	1.0	15.1	1.5	1.0
UGA	G10PR-298R2	.	7	**42.3**	10/21	32	1.2	13.6	1.5	1.0
NK	S74-M3 Brand	.	11[T]	**41.2**	10/18	32	1.2	15.2	1.5	1.0
UGA	G10PR-56466R2	.	13	**41.0**	10/18	36	1.0	12.8	1.5	1.0
UGA	G08-3282RR	.	16	40.1	10/23	40	1.5	14.3	1.7	1.0
Asgrow	AG7333	.	18[T]	39.5	10/15	32	1.0	15.4	1.5	1.0
UGA	G10PR-56401R2	.	20[T]	38.5	10/20	34	1.2	12.9	1.5	1.0
UGA	G08-5122RR	.	21	38.3	10/25	37	1.3	13.2	1.7	1.0
Croplan Genetics	R2C7622	.	24	37.8	10/21	37	1.0	12.4	1.5	1.0
Bayer	HBK R7028	.	26	37.4	10/23	38	1.2	14.5	1.7	1.0
Asgrow	AG7733	.	27	36.7	10/21	34	1.0	14.1	1.7	1.0
UGA	G08-4200RR	.	29	36.2	10/26	37	1.5	11.2	1.8	1.0
UGA	G08-3795RR	.	30	36.0	10/19	37	1.2	13.6	1.7	1.0
Bayer	HBK R7200	.	31	35.8	10/20	40	1.0	12.7	1.8	1.0
UGA	G10PR-56248R2	.	32	35.7	10/21	32	1.0	12.9	1.7	1.0
SC	SC04-306	.	33	35.6	10/25	33	1.2	11.0	1.7	1.0
UGA	G08-3279RR	.	35	32.9	10/25	31	1.2	14.0	1.7	1.0
UGA	G08-2869RR	.	36	32.6	10/25	29	1.0	13.2	1.5	1.0
Average		35.6		38.8 [5]	10/21	35	1.2	13.4	1.6	1.0
LSD at 10% Level		N.S.[6]		7.1	03	4	0.3	1.0	0.3	-
Std. Err. of Entry Mean		1.8		3.0	01	2	0.1	0.4	0.1	-

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2012, 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 = 13.4% and df for EMS = 88.
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, 2012.
Harvested:	November 2, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Pacolet coarse sandy loam.
Soil Test:	P = High, K = High, and pH = 6.0.
Fertilization:	30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Fallow.
Management:	Chisel plowed, disked, and rototilled; Lasso and Blazer used for weed control; Endigo and Dimilin used for insect control; Domark used for rust control; irrigated 7 inches.

Test conducted by J. Gassett and G. Ware.

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2012 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group V									
Progeny	P 5655 RY	**45.2**	4	**66.0**	10/05	41	1.7	13.8	1.0
Progeny	P 5610 RY	**42.0**	5	60.2	10/03	34	1.0	16.2	1.0
Pioneer	95Y71	**41.9**	15	56.4	10/06	34	1.3	13.6	1.0
Progeny	P 5711 RY	**41.4**	13	57.3	10/05	31	1.0	17.4	1.0
Terral-REV™	56R63™	**40.5**	7	59.5	10/06	38	1.3	14.0	1.0
AGSouth	AGS 597RR	**40.3**	22	51.8	10/07	35	1.3	14.2	1.2
AGSouth	AGS 5911LL	**39.5**	8	58.6	10/08	34	1.0	13.7	1.0
Terral-REV™	57R21™	**39.4**	18	54.1	10/03	42	3.0	14.0	1.3
Pioneer	95Y70	**39.2**	12	57.8	10/09	39	2.0	12.2	1.0
SS	SS5511NR2	**39.1**	16	56.2	10/02	34	1.0	17.1	1.0
Public Variety	Ozark	**38.0**	21	52.3	09/29	28	1.0	14.4	1.3
Public Variety	Osage	**37.5**	19	53.8	09/30	27	1.0	13.1	1.0
Terral-REV™	56R21™	**36.3**	24	50.4	10/07	29	1.0	14.2	1.0
SS	SS5510NR2	**36.2**	14[T]	57.0	10/04	37	1.0	15.0	1.0
SS	LL595N	**34.8**	26	49.8	10/07	31	1.0	13.3	1.0
Progeny	P 5811 RY	**34.1**	25	50.2	10/04	34	1.0	13.6	1.0
NK	S56-G6 Brand	.	1	**70.5**	10/07	30	1.0	13.0	1.2
NK	S56-W5 Brand	.	2	**67.2**	10/06	36	1.3	13.3	1.0
Schillinger	5220.RC	.	3	**66.3**	10/02	35	1.0	15.6	1.0
AR	UA 5612	.	6	59.8	10/05	33	2.0	14.2	1.0
Pioneer	95Y61	.	9	58.3	10/08	32	1.0	14.9	1.0
Asgrow	AG5633	.	10	58.1	10/01	25	1.0	14.8	1.0
Bayer	HBK RY5521	.	11	58.0	10/07	33	1.0	15.0	1.0
Schillinger	557.RC	.	14[T]	57.0	10/06	31	1.0	12.5	1.5
Go Soy	5410 LL	.	17	55.9	09/28	32	1.0	12.7	1.2
Bayer	HBK R5425	.	20	52.9	10/09	45	1.3	15.9	1.0
AGSouth	AGS 553LL	.	23	51.1	09/28	39	1.0	12.5	1.2
Bayer	HBK RY5421	.	27	49.3	10/01	28	1.0	13.5	1.0
Terral-REV™	59R13™	.	28	48.0	10/07	31	1.0	12.9	1.0
Go Soy	5010 LL	.	29	47.3	09/29	33	1.0	12.2	1.0
Average		39.1		56.4 [4]	10/04	34	1.2	14.1	1.1
LSD at 10% Level		N.S.[5]		7.4	1/2	4	0.4	1.3	N.S.
Std. Err. of Entry Mean		1.3		3.1	01	2	0.2	0.6	0.1

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]
		bu/acre		bu/acre	date	in	rating	gm	rating
Maturity Group VI									
Dyna-Gro	36RY68	**40.4**	3	**57.9**	10/20	.	.	16.2	1.7
Dyna-Gro	V61N9RR	**39.7**	1	**59.5**	10/11	.	.	16.0	1.0
USG	76S90R2	**38.3**	5	**56.4**	10/17	.	.	15.6	1.3
Progeny	P 6710 RY	**38.3**	7	**55.7**	10/20	.	.	15.0	1.7
SS	SS 6810NR2	**37.4**	6	**55.9**	10/20	.	.	15.1	1.0
Croplan Genetics	R2C6810	**36.8**	10	52.8	10/17	.	.	15.3	1.3
UGA	G05-1102RR	**35.8**	11	50.1	10/13	.	.	12.8	1.3
Public Variety	Musen	**34.1**	16	46.2	10/14	.	.	11.9	1.0
USG	76G10L	**33.4**	13	48.9	10/02	.	.	14.9	1.3
UGA	G06-2460RR	**33.4**	15	46.3	10/08	.	.	12.0	1.3
NK	S61-Q2	**32.0**	9	53.0	10/08	.	.	15.7	1.0
AGSouth	AGS 6011 LL	**31.4**	14	47.2	09/29	.	.	13.8	1.3
AR	R02-3065	.	2	**58.9**	10/05	.	.	19.7	1.3
NK	S67-R6 Brand	.	4	**56.6**	10/13	.	.	14.4	1.3
AR	R03-1250	.	8	**55.2**	10/02	.	.	16.9	1.3
USG	76S22	.	12	49.9	10/11	.	.	12.8	1.3
Average		35.9		53.2 [6]	10/11	.	.	14.9	1.3
LSD at 10% Level		N.S.		5.6	04			1.2	N.S.
Std. Err. of Entry Mean		2.0		2.4	02			0.5	0.3

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 Data						
			Rank	Yield[1]	Maturity	Plant Ht	Lodging[2]	Wt of 100 Seed	Seed Quality[3]
				bu/acre	date	in	rating	gm	rating
Maturity Groups VII and VIII									
AGSouth	AGS Woodruff	**45.1**	1	**59.6**	10/23	38	1.0	17.3	1.0
Progeny	P 7310 RY	**41.5**	7	52.2	10/15	32	1.0	15.9	1.3
Dyna-Gro	34RY75	**40.7**	15	48.8	10/22	40	1.0	14.1	1.0
SS	SS7511NR2	**40.6**	4	**53.5**	10/17	36	1.0	17.5	1.0
UGA	G09PR-54378R2	**40.1**	10[T]	50.9	10/16	40	1.0	15.0	1.0
SC	SC04-375	38.8	19	47.0	10/18	36	1.0	16.5	1.0
Dyna-Gro	V76N9RR	37.9	22[T]	46.5	10/23	43	1.3	12.9	1.3
UGA	G07-1185RR	37.8	22[T]	46.5	10/25	38	1.0	11.8	1.3
Public Variety	Motte	37.5	26	45.0	10/23	41	1.3	13.9	1.0
SC	SC03-062	37.1	20	46.7	10/26	38	1.0	15.3	1.0
AGSouth	AGS 828 RR	36.2	25	45.4	10/22	35	1.3	13.4	1.0
Public Variety	Santee	36.2	32	43.2	10/16	41	1.0	14.6	1.3
AGSouth	AGS787 RR	35.9	18	47.6	10/18	36	1.0	14.8	1.5
UGA	G09PR-54362R2	35.8	17	47.7	10/23	40	1.0	15.6	1.3
UGA	G07-3557RR	35.7	28	44.1	10/23	42	1.3	16.5	1.0
Public Variety	Cook	35.5	39	41.0	10/19	40	1.0	16.5	1.3
USG	7732nRR	35.2	30	43.7	10/22	38	1.3	16.1	1.3
NK	S78-G6 Brand	34.6	14	48.9	10/17	41	1.0	16.5	1.0
AGSouth	AGS758RR	34.4	29	43.8	10/14	37	1.0	12.4	1.0
USG	77S40R2	34.1	12	49.5	10/15	31	1.0	16.3	1.0
UGA	G06-3182RR	33.8	21	46.6	10/11	34	1.0	12.5	1.0
AGSouth	AGS Prichard RR	33.6	31	43.6	10/24	42	1.3	12.9	1.0
UGA	G05-4237RR	32.9	34	42.4	10/23	39	1.0	14.4	1.0
Pioneer	97M50	32.8	37	41.4	10/16	39	1.0	14.3	1.0
UGA	G07-2879RR	31.5	35	42.3	10/23	30	1.0	15.1	1.0
UGA	G04-2215RR	30.2	41	40.1	10/16	32	1.0	10.2	1.3
UGA	G08-4200RR	.	2	**55.9**	10/15	39	2.0	11.8	1.0
UGA	G08-3282RR	.	3	**54.8**	10/24	41	1.0	17.0	1.0
Croplan Genetics	R2C7622	.	5	52.5	10/21	40	1.0	13.8	1.3
UGA	G08-3279RR	.	6	52.4	10/22	40	1.0	17.2	1.0
NK	S74-M3 Brand	.	8	51.8	10/14	35	1.0	16.0	1.0
UGA	G10PR-56248R2	.	9	51.3	10/21	36	1.0	15.7	1.0
Asgrow	AG7733	.	10[T]	50.9	10/21	35	1.0	18.1	1.0
UGA	G10PR-298R2	.	11	50.2	10/17	33	1.0	14.5	1.0
UGA	G10PR-56466R2	.	13	49.1	10/15	37	1.3	14.4	1.0
NK	S77-T7 Brand	.	16	48.2	10/23	42	1.0	14.3	1.0
Bayer	HBK R7200	.	23	46.3	10/12	45	1.7	16.3	1.3
SC	SC04-306	.	24	45.8	10/25	36	1.0	13.4	1.0
Bayer	HBK R7028	.	27[T]	44.8	10/14	39	1.0	14.2	1.7
UGA	G08-2869RR	.	27[T]	44.8	10/22	36	1.0	14.3	1.0
Croplan Genetics	R2T7390	.	33	42.8	10/14	28	1.0	15.3	1.0
Asgrow	AG7333	.	36	41.9	10/20	36	1.0	16.9	1.3
UGA	G08-5122RR	.	38	41.3	10/23	42	1.7	14.4	1.5
UGA	G08-3795RR	.	40	40.4	10/16	37	1.0	14.6	1.0
UGA	G10PR-56401R2	.	42	34.2	10/23	35	1.0	14.4	1.3
Average		36.4		46.8[7]	10/19	38	1.1	14.9	1.1
LSD at 10% Level		5.8		6.6	02	4	0.4	1.0	N.S.
Std. Err. of Entry Mean		1.7		2.8	01	2	0.2	0.4	0.2

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 9.6% and df for EMS = 58.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
6. CV = 7.7% and df for EMS = 30.
7. CV = 10.4% and df for EMS = 91.

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, 2012.
Harvested:	Maturity Group V: October 12, 2012. Maturity Group VI: October 19, 2012. Maturity Group VII & VIII: October 25, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Maturity Groups V and VI: Wedowee coarse sandy loam. Maturity Group VII & VIII: Pacolet sandy loam.
Soil Test:	Maturity Groups V and VI: P = High, K = Medium, and pH = 6.7. Maturity Group VII & VIII: P = Medium, K = Medium, and pH = 6.4.
Fertilization:	14 lb N, 52 lb P_2O_5, and 105 lb K_2O/acre.
Previous Crop:	Maturity Groups V and VI: Grain Sorghum. Maturity Group VII & VIII: Cotton.
Management:	Chiseled and disked; Valor XLT, Prowl, Classic, and one cultivation used for weed control; Endigo used for insect control; Telone II used for nematode control; Domark used for rust control; irrigated 4.0 inches.

Test conducted by E. Wood, G. Rowan, S. Finnerty, W. Baxter, C. Collins, B. Wilson, R Baerne, and J. Griffin.

Calhoun, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated

Company or Brand Name	Variety	2-Year Average Yield	2012 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	**46.4**	14	53.3	10/12	46	2.0	14.5	1.5	1.0
Terral-REV™	57R21™	**45.8**	7	**57.5**	10/06	48	1.3	16.6	1.3	1.0
AGSouth	AGS 5911LL	**43.9**	3	**60.7**	10/20	41	1.0	15.5	1.5	1.0
Progeny	P 5610 RY	**43.2**	12	54.0	10/10	43	1.0	21.0	1.5	1.0
SS	SS5511NR2	**42.2**	9	**56.0**	10/06	42	1.2	19.6	1.5	1.0
Public Variety	Osage	**42.0**	2	**61.0**	10/04	38	1.0	15.0	1.5	1.0
Terral-REV™	56R21™	**38.9**	18	50.2	10/11	43	1.5	15.7	1.3	1.0
SS	SS5510NR2	**37.7**	19	50.1	10/02	49	1.7	17.2	1.7	1.0
Terral-REV™	56R63™	**37.6**	23	45.1	10/10	45	1.2	16.5	1.5	1.0
Progeny	P 5811 RY	**37.0**	21	47.9	10/10	44	1.2	15.3	1.5	1.0
Progeny	P 5655 RY	**36.3**	15[T]	52.0	10/05	46	1.2	15.8	1.5	1.0
AGSouth	AGS 597RR	**35.7**	25	43.6	10/17	36	1.2	17.2	1.3	1.0
Progeny	P 5711 RY	**35.5**	20	48.7	10/08	39	1.5	18.1	1.3	1.0
Pioneer	95Y71	**35.1**	17	51.0	10/11	38	1.2	15.9	1.5	1.0
SS	LL595N	**34.0**	26	43.3	10/11	42	1.0	15.3	1.5	1.0
Public Variety	Ozark	**33.5**	22	46.1	10/05	39	1.2	17.0	1.5	1.0
Asgrow	AG5633	.	1	**63.8**	10/03	36	1.0	17.9	1.5	1.0
Schillinger	557.RC	.	4	**60.1**	10/08	39	1.2	16.0	1.5	1.0
Terral-REV™	59R13™	.	5	**59.9**	10/12	45	1.2	15.6	1.5	1.0
NK	S56-W5 Brand	.	6	**59.3**	10/09	42	1.2	15.5	1.5	1.0
AGSouth	AGS 553LL	.	8	**57.0**	10/05	50	1.2	16.1	1.5	1.0
NK	S56-G6 Brand	.	10	**55.9**	10/06	42	1.0	16.0	1.5	1.0
Schillinger	5220.RC	.	11	**55.8**	10/05	49	1.0	16.9	1.5	1.0
AR	UA 5612	.	13	53.9	10/09	47	1.5	14.9	1.5	1.0
Bayer	HBK R5425	.	15[T]	52.0	10/13	48	1.7	17.5	1.3	1.0
Go Soy	5410 LL	.	16	51.9	10/06	42	1.0	15.5	1.5	1.0
Bayer	HBK RY5421	.	24	44.4	10/04	37	1.0	17.6	1.3	1.0
Bayer	HBK RY5521	.	27	41.7	10/06	41	1.2	15.7	1.5	1.0
Pioneer	95Y61	.	28	41.2	10/02	49	1.7	15.0	1.5	1.0
Go Soy	5010 LL	.	29	40.4	10/02	40	1.0	14.6	1.5	1.0
Average		39.1		51.9[5]	10/08	43	1.2	16.4	1.5	1.0
LSD at 10% Level		N.S.[6]		8.8	04	5	0.3	0.8	N.S.	-
Std. Err. of Entry Mean		1.8		3.7	02	2	0.1	0.3	0.1	-

Calhoun, Georgia:
Early-Planted Soybean Variety Performance, 2012, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
Dyna-Gro	V61N9RR	**53.8**	1	**70.9**	10/17	40	1.5	17.7	1.5	1.0
USG	76S90R2	**52.1**	3	**64.4**	10/21	42	1.2	17.5	1.5	1.0
SS	SS 6810NR2	**50.9**	6	60.3	10/21	48	1.0	17.3	1.7	1.0
Progeny	P 6710 RY	**50.1**	4	62.0	10/20	46	1.2	17.3	1.7	1.0
Public Variety	Musen	**49.5**	13	56.8	10/22	45	1.3	14.6	1.5	1.0
Croplan Genetics	R2C6810	**48.0**	11	58.3	10/17	44	1.0	17.3	1.5	1.0
Dyna-Gro	36RY68	**45.7**	12	57.1	10/21	48	1.0	17.7	1.5	1.0
UGA	G05-1102RR	**41.1**	14	55.8	10/15	46	1.0	16.0	1.7	1.0
UGA	G06-2460RR	**40.9**	5	60.7	10/10	39	1.0	16.4	1.5	1.0
USG	76G10L	**40.9**	7	60.2	10/05	38	1.2	16.0	1.5	1.0
NK	S61-Q2	**39.2**	16	52.2	10/08	45	1.2	18.0	1.5	1.0
AGSouth	AGS 6011 LL	**37.7**	10	59.6	10/04	39	1.0	16.0	1.3	1.0
USG	76S22	.	2	**67.0**	10/15	39	1.2	12.8	1.8	1.0
AR	R03-1250	.	8	60.0	10/10	44	1.0	17.4	1.3	1.0
NK	S67-R6 Brand	.	9	59.9	10/19	44	1.2	20.5	1.5	1.0
AR	R02-3065	.	15	53.5	10/08	38	1.3	20.1	1.5	1.0
Average		45.8		59.9 [7]	10/14	43	1.1	17.0	1.5	1.0
LSD at 10% Level		N.S.		7.7	05	5	0.3	1.5	0.3	-
Std. Err. of Entry Mean		2.0		3.2	02	2	0.1	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 = 12.4% and df for EMS = 58.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 9.2% and df for EMS = 30.

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

Planted: May 23, 2012.
Harvested: November 5, 2012.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Rome gravelly clay loam.
Soil Test: P = Very High, K = Very High, and pH = 5.7.
Fertilization: 0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre; 1.5 ton/acre limestone.
Previous Crop: Corn.
Management: Moldboard plowed, disked, and rototilled; Treflan, Classic, Blazer Ultra, and two cultivations used for weed control; Endigo and Dimilin used for insect control; Domark used for rust control; irrigated 10 inches.

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

Summary of Dryland Early-Planted Soybean Variety Performance at Four Locations, 2012

Company or Brand Name	Variety	Yields[1] Griffin[2] 2012	Griffin[2] 2-Yr Avg	Midville 2012	Midville 2-Yr Avg	Plains 2012	Plains 2-Yr Avg	Tifton 2012	Tifton 2-Yr Avg	Statewide Average 2012	Statewide Average 2-Yr Avg
		bu/acre									
Maturity Group V											
AGSouth	AGS 533LL	**50.1**	.	17.0	.	28.3	.	**40.4**	.	33.9	.
AGSouth	AGS 5911LL	46.5	**32.4**	8.7	**8.9**	24.5	**18.6**	**53.2**	**43.9**	33.2	**25.9**
Bayer	HBK RY5421	**50.9**	.	**24.1**	.	23.5	.	**42.4**	.	**35.2**	.
Pioneer	95Y70	**49.4**	**31.8**	**20.9**	**15.9**	**37.0**	**26.5**	**51.9**	**40.2**	**39.8**	**28.6**
Pioneer	95Y71	**50.9**	**30.2**	16.2	**13.1**	26.3	**19.9**	**51.4**	**36.8**	**36.2**	25.0
Public Variety	Osage	43.3	**22.5**	16.3	**13.9**	27.3	**20.1**	**46.3**	**34.7**	33.3	22.8
Public Variety	Ozark	**48.8**	.	16.1	.	24.7	.	**48.7**	.	34.6	.
SS	LL595N	46.1	**28.5**	12.8	**12.4**	28.2	**19.9**	**47.1**	**37.5**	33.6	24.6
SS	SS5511NR2	**52.4**	**32.2**	**21.1**	**15.8**	27.2	**18.3**	**48.1**	**35.9**	**37.2**	**25.5**
Terral-REV™	57R21™	41.5	.	20.1	.	30.4	.	**48.9**	.	**35.2**	.
Average		48.0	29.6	17.3	13.3	27.7	20.6	47.8	38.2	35.2	25.4
LSD at 10% Level		4.8	N.S.[3]	3.3	N.S.	4.3	N.S.	N.S.	N.S.	4.8	2.0
Std. Err. of Entry Mean		2.0	1.2	1.3	1.0	1.8	1.0	3.3	3.4	2.0	1.3
Maturity Group VI											
AGSouth	AGS 597RR	**53.4**	.	39.5	.	28.7	.	39.2	.	40.2	.
AGSouth	AGS 6011 LL	**60.2**	.	24.9	.	16.7	.	32.1	.	33.5	.
Croplan Genetics	R2C6810	**51.8**	**32.9**	**45.0**	**29.2**	**39.3**	**33.4**	**64.1**	**41.3**	**50.0**	**34.2**
Dyna-Gro	36RY68	**51.0**	.	**44.3**	.	**43.3**	.	**57.1**	.	**48.9**	.
Dyna-Gro	V61N9RR	**55.0**	**32.9**	40.1	23.6	29.9	23.9	43.3	**35.9**	42.1	29.1
NK	S61-Q2	**59.7**	**33.1**	36.1	22.3	32.2	22.2	37.0	**28.4**	41.3	26.5
NK	S67-R6 Brand	**60.5**	.	**44.2**	.	31.5	.	48.3	.	**46.1**	.
Progeny	P 6710 RY	**56.1**	.	39.0	.	**42.8**	.	52.6	.	**47.6**	.
SS	SS 6810NR2	**58.7**	**34.4**	39.0	**25.1**	**42.5**	**35.6**	**61.9**	**43.4**	**50.5**	**34.6**
USG	76S22	**55.5**	.	26.7	.	26.1	.	22.6	.	32.7	.
Average		56.2	33.3	37.9	25.1	33.3	28.8	45.8	37.2	43.3	31.1
LSD at 10% Level		N.S.	N.S.	5.4	5.4	4.0	6.2	7.5	N.S.	4.8	3.1
Std. Err. of Entry Mean		3.1	1.2	2.2	1.3	1.7	0.8	3.0	2.6	2.0	1.3
Maturity Group VII & VIII											
AGSouth	AGS Prichard RR	**50.5**	**29.5**	57.2	**34.1**	**40.2**	**33.7**	38.9	**44.4**	46.7	35.4
AGSouth	AGS Woodruff	**51.8**	**32.8**	**66.5**	**40.3**	**41.9**	**35.4**	**53.9**	**47.3**	**53.5**	**38.9**
AGSouth	AGS787 RR	**47.2**	.	44.5	.	**35.2**	.	45.6	.	43.1	.
Asgrow	AG7733	**52.0**	.	48.7	.	**40.8**	.	**56.2**	.	**49.4**	.
Dyna-Gro	V76N9RR	**52.8**	**30.7**	56.1	**32.8**	**37.7**	**32.6**	45.0	**48.6**	47.9	**36.2**
NK	S78-G6 Brand	36.0	**21.4**	50.8	**32.0**	**35.6**	**31.5**	45.6	**45.8**	42.0	32.6
Pioneer	97M50	**52.3**	**35.2**	**62.1**	**40.8**	**33.1**	**27.8**	49.1	**51.2**	**49.2**	**38.8**
Progeny	P 7310 RY	**47.6**	**29.0**	50.1	**30.0**	**35.8**	**32.7**	48.2	**42.6**	45.4	33.6
Public Variety	Santee	**52.5**	**30.5**	44.9	**28.2**	**45.5**	**36.9**	**58.2**	**53.2**	**50.3**	**37.2**
SS	SS7511NR2	43.3	**27.2**	49.5	**30.2**	**39.4**	**31.3**	35.9	**40.3**	42.0	32.2
Average		48.6	29.5	53.0	33.5	38.5	32.7	47.7	46.7	47.0	35.6
LSD at 10% Level		7.2	N.S.	5.5	N.S.	N.S.	N.S.	7.2	N.S.	4.8	3.1
Std. Err. of Entry Mean		2.9	2.1	2.5	1.6	3.5	2.0	2.9	3.2	2.0	1.3

1. Yields calculated at 13% moisture.
2. Maturity Groups V and VI - Griffin Early-Planted; Maturity Group VII & VIII - Griffin Late-Planted.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

Tifton, Georgia:
Dryland Early-Planted Soybean Variety Performance, 2012

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
AGSouth	AGS 5911LL	**43.9**	1	**53.2**	09/29	27	1.0	.	.	1.0
Pioneer	95Y70	**40.2**	2	**51.9**	09/30	37	2.0	.	.	1.0
SS	LL595N	**37.5**	7	**47.1**	09/29	27	1.3	.	.	1.0
Pioneer	95Y71	**36.8**	3	**51.4**	09/30	25	1.3	.	.	1.0
SS	SS5511NR2	**35.9**	6	**48.1**	09/29	27	1.7	.	.	1.0
Public Variety	Osage	**34.7**	8	**46.3**	09/30	24	1.0	.	.	1.0
Terral-REV™	57R21™	.	4	**48.9**	10/01	35	2.0	.	.	1.0
Public Variety	Ozark	.	5	**48.7**	09/29	22	1.0	.	.	1.0
Bayer	HBK RY5421	.	9	**42.4**	09/30	25	1.3	.	.	1.0
AGSouth	AGS 533LL	.	10	**40.4**	10/01	32	1.0	.	.	1.0
Average		38.2		47.8 [5]	09/30	28	1.4	.	.	1.0
LSD at 10% Level		N.S.[6]		N.S.	N.S.	5	0.7			-
Std. Err. of Entry Mean		3.4		3.3	01	2	0.3			-
Maturity Group VI										
SS	SS 6810NR2	**43.4**	2	**61.9**	10/23	29	1.3	.	.	1.0
Croplan Genetics	R2C6810	**41.3**	1	**64.1**	10/23	30	2.0	.	.	1.0
Dyna-Gro	V61N9RR	**35.9**	6	43.3	10/07	29	1.7	.	.	1.0
NK	S61-Q2	**28.4**	8	37.0	10/07	31	2.0	.	.	1.0
Dyna-Gro	36RY68	.	3	**57.1**	10/19	32	1.7	.	.	1.0
Progeny	P 6710 RY	.	4	52.6	10/22	30	1.3	.	.	1.0
NK	S67-R6 Brand	.	5	48.3	10/13	32	2.0	.	.	1.0
AGSouth	AGS 597RR	.	7	39.2	10/05	30	2.0	.	.	1.0
AGSouth	AGS 6011 LL	.	9	32.1	09/29	24	1.3	.	.	1.0
USG	76S22	.	10	22.6	10/11	18	1	.	.	1.0
Average		37.3		45.8 [7]	10/13	29	1.6	.	.	1.0
LSD at 10% Level		N.S.		7.5	04	4	N.S.			-
Std. Err. of Entry Mean		2.6		3.0	02	2	0.3			-
Maturity Group VII and VIII										
Public Variety	Santee	**53.2**	1	**58.2**	10/24	36	1.3	.	.	1.0
Pioneer	97M50	**51.2**	4	49.1	10/26	35	1.0	.	.	1.0
Dyna-Gro	V76N9RR	**48.6**	7	45.0	10/27	31	1.7	.	.	1.0
AGSouth	AGS Woodruff	**47.3**	3	**53.9**	10/24	29	1.0	.	.	1.0
NK	S78-G6 Brand	**45.8**	6[T]	45.6	10/26	32	1.0	.	.	1.0
AGSouth	AGS Prichard RR	**44.4**	8	38.9	10/27	34	2.0	.	.	1.0
Progeny	P 7310 RY	**42.6**	5	48.2	10/24	28	1.0	.	.	1.0
SS	SS7511NR2	**40.3**	9	35.9	10/24	32	1.0	.	.	1.0
Asgrow	AG7733	.	2	**56.2**	10/25	32	1.0	.	.	1.0
AGSouth	AGS787 RR	.	6[T]	45.6	10/26	31	1.3	.	.	1.0
Average		46.7		47.7 [8]	10/25	32	1.2	.	.	1.0
LSD at 10% Level		N.S.		7.2	01	4	0.5			-
Std. Err. of Entry Mean		3.2		2.9	06	1	0.2			-

Tifton, Georgia:
Dryland Early-Planted Soybean Variety Performance, 2012
(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 = 11.8% 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 = 11.5% and df for EMS = 18.
8. CV = 10.7% 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 14, 2012.
Harvested:	Maturity Group V: October 12, 2012. Maturity Group VI: October 22, 2012. Maturity Group VII & VIII: November 2, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton sandy loam.
Soil Test:	P = High, K = Medium, and pH = 6.8.
Fertilization:	0 lb N, 0 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Peanuts.
Management:	Disked, subsoiled, bedded, and rototilled; Trust and Basagran used for weed control; Brigade and Tracer used for insect control; Domark used for rust control.

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

Plains, Georgia:
Dryland Early-Planted Soybean Variety Performance, 2012

Company or Brand Name	Variety	2-Year Average Yield	2012 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	**26.5**	1	**37.0**	10/08	30	1.3	.	.	1.0
Public Variety	Osage	**20.1**	5	27.3	09/28	23	1.0	.	.	3.0
SS	LL595N	**19.9**	4	28.2	10/08	24	1.0	.	.	1.3
Pioneer	95Y71	**19.9**	7	26.3	10/05	25	1.0	.	.	2.0
AGSouth	AGS 5911LL	**18.6**	9	24.5	10/03	24	1.3	.	.	1.0
SS	SS5511NR2	**18.3**	6	27.2	10/08	25	1.0	.	.	1.3
Terral-REV™	57R21™	.	2	30.4	10/04	34	1.0	.	.	1.3
AGSouth	AGS 533LL	.	3	28.3	10/05	23	1.0	.	.	1.0
Public Variety	Ozark	.	8	24.7	10/03	24	1.0	.	.	2.0
Bayer	HBK RY5421	.	10	23.5	10/04	21	1.3	.	.	1.0
Average		20.6		27.7 [5]	10/04	25	1.1	.	.	1.5
LSD at 10% Level		N.S.[6]		4.3	N.S.	3	N.S.			0.4
Std. Err. of Entry Mean		1.0		1.8	02	1	0.2			0.2
Maturity Group VI										
SS	SS 6810NR2	**35.6**	3	**42.5**	.	27	1.0	.	.	1.0
Croplan Genetics	R2C6810	**33.4**	4	**39.3**	.	28	1.0	.	.	1.0
Dyna-Gro	V61N9RR	23.9	7	29.9	.	25	1.0	.	.	1.0
NK	S61-Q2	22.2	5	32.2	.	25	1.3	.	.	1.0
Dyna-Gro	36RY68	.	1	**43.3**	.	27	1.0	.	.	1.0
Progeny	P 6710 RY	.	2	**42.8**	.	27	1.0	.	.	1.0
NK	S67-R6 Brand	.	6	31.5	.	26	1.7	.	.	1.0
AGSouth	AGS 597RR	.	8	28.7	.	27	1.3	.	.	1.0
USG	76S22	.	9	26.1	.	20	1.0	.	.	1.0
AGSouth	AGS 6011 LL	.	10	16.7	.	27	1.3	.	.	3.0
Average		28.8		33.3 [7]	.	26	1.2	.	.	1.2
LSD at 10% Level		6.2		4.0		4	N.S.			-
Std. Err. of Entry Mean		0.8		1.7		2	0.1			-
Maturity Group VII and VIII										
Public Variety	Santee	**36.9**	1	**45.5**	.	35	1.7	.	.	1.0
AGSouth	AGS Woodruff	**35.4**	2	**41.9**	.	29	1.7	.	.	1.0
AGSouth	AGS Prichard RR	**33.7**	4	**40.2**	.	33	1.0	.	.	1.0
Progeny	P 7310 RY	**32.7**	7	**35.8**	.	26	1.0	.	.	1.0
Dyna-Gro	V76N9RR	**32.6**	6	**37.7**	.	27	1.7	.	.	1.0
NK	S78-G6 Brand	**31.5**	8	**35.6**	.	29	1.3	.	.	1.0
SS	SS7511NR2	**31.3**	5	**39.4**	.	31	1.0	.	.	1.0
Pioneer	97M50	**27.8**	10	**33.1**	.	29	1.0	.	.	1.0
Asgrow	AG7733	.	3	**40.8**	.	26	1.0	.	.	1.0
AGSouth	AGS787 RR	.	9	**35.2**	.	27	1.7	.	.	1.0
Average		32.7		38.5 [8]	.	29	1.3	.	.	1.0
LSD at 10% Level		N.S.		N.S.		4	N.S.			-
Std. Err. of Entry Mean		2.0		3.5		2	0.2			-

Plains, Georgia:
Dryland Early-Planted Soybean Variety Performance, 2012
(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 = 11.0% 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 = 8.6% and df for EMS = 18.
8. CV = 15.6% 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 31, 2012.
Harvested:	Maturity Group V: October 17, 2012. Maturity Group VI: October 30, 2012. Maturity Group VII & VIII: October 30, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Medium, K = High, and pH = 6.3.
Fertilization:	21 lb N, 60 lb P_2O_5, and 60 lb K_2O/acre.
Previous Crop:	Peanuts.
Management:	Disked, subsoiled, chiseled, and rototilled; Prowl, Reflex, First Rate, Ultra Blazer, and Classic used for weed control; Mustang Max and Discipline used for insect control.

Test conducted by A. Coy, R. Pines, R. Brooke, D. Done, W. Jones, and D. Pearce.

Midville, Georgia:
Dryland Early-Planted Soybean Variety Performance, 2012

Company or Brand Name	Variety	2-Year Average Yield	2012 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	**15.9**	3	**20.9**	10/05	13	1.0	.	.	1.0
SS	SS5511NR2	**15.8**	2	**21.1**	10/01	11	1.0	.	.	1.0
Public Variety	Osage	**13.9**	6	16.3	10/02	12	1.0	.	.	1.0
Pioneer	95Y71	**13.1**	7	16.2	10/01	11	1.0	.	.	1.0
SS	LL595N	**12.4**	9	12.8	10/05	13	1.0	.	.	1.0
AGSouth	AGS 5911LL	**8.9**	10	8.7	10/07	11	1.0	.	.	1.0
Bayer	HBK RY5421	.	1	**24.1**	10/03	12	1.0	.	.	1.0
Terral-REV™	57R21™	.	4	20.1	09/30	14	1.0	.	.	1.0
AGSouth	AGS 533LL	.	5	17.0	09/27	19	1.0	.	.	1.0
Public Variety	Ozark	.	8	16.1	09/29	11	1.0	.	.	1.0
Average		13.3		17.3 [5]	10/02	13	1.0	.	.	1.0
LSD at 10% Level		N.S.[6]		3.3	04	3	-			-
Std. Err. of Entry Mean		1.0		1.3	01	1	-			-
Maturity Group VI										
Croplan Genetics	R2C6810	**29.2**	1	**45.0**	10/08	17	1.0	.	.	1.0
SS	SS 6810NR2	**25.1**	6[T]	39.0	10/09	17	1.0	.	.	1.0
Dyna-Gro	V61N9RR	23.6	4	**40.1**	10/07	14	1.0	.	.	1.0
NK	S61-Q2	22.3	7	36.1	10/05	14	1.0	.	.	1.0
Dyna-Gro	36RY68	.	2	**44.3**	10/11	17	1.0	.	.	1.0
NK	S67-R6 Brand	.	3	**44.2**	10/10	15	1.0	.	.	1.0
AGSouth	AGS 597RR	.	5	39.5	10/04	13	1.0	.	.	1.0
Progeny	P 6710 RY	.	6[T]	39.0	10/08	17	1.0	.	.	1.0
USG	76S22	.	8	26.7	10/05	11	1.0	.	.	1.0
AGSouth	AGS 6011 LL	.	9	24.9	09/25	10	1.0	.	.	1.0
Average		25.1		37.9 [7]	10/06	14	1.0	.	.	1.0
LSD at 10% Level		4.4		5.4	03	2	-			-
Std. Err. of Entry Mean		1.3		2.2	01	1	-			-
Maturity Group VII and VIII										
Pioneer	97M50	**40.8**	2	**62.1**	10/19	19	1.0	.	.	1.0
AGSouth	AGS Woodruff	**40.3**	1	**66.5**	10/20	19	1.0	.	.	1.0
AGSouth	AGS Prichard RR	**34.1**	3	57.2	10/23	21	1.0	.	.	1.0
Dyna-Gro	V76N9RR	**32.8**	4	56.1	10/20	21	1.0	.	.	1.0
NK	S78-G6 Brand	**32.0**	5	50.8	10/16	19	1.0	.	.	1.0
SS	SS7511NR2	**30.2**	7	49.5	10/19	19	1.0	.	.	1.0
Progeny	P 7310 RY	**30.0**	6	50.1	10/16	17	1.0	.	.	1.0
Public Variety	Santee	**28.2**	9	44.9	10/18	18	1.0	.	.	1.0
Asgrow	AG7733	.	8	48.7	10/19	19	1.0	.	.	1.0
AGSouth	AGS787 RR	.	10	44.5	10/17	17	1.0	.	.	1.0
Average		33.5		53.0 [8]	10/19	19	1.0	.	.	1.0
LSD at 10% Level		N.S.		5.5	02	2	-			-
Std. Err. of Entry Mean		1.6		2.5	01	1	-			-

Midville, Georgia:
Dryland Early-Planted Soybean Variety Performance, 2012
(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 = 13.4% 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 = 10.1% and df for EMS = 18.
8. CV = 7.3% and df for EMS = 18.

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

Planted:	May 22, 2012.
Harvested:	November 1, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Clarendon sandy loam.
Soil Test:	P = High, K = High, and pH = 5.6.
Fertilization:	30 lb N, 14 lb P_2O_5, and 60 lb K_2O/acre.
Previous Crop:	Fallow.
Management:	Disked, subsoiled, and bedded; Prowl, Gramoxone, Valor, Basagran, and Warrant used for weed control; Dimilin, Intrepid, Bifenthrin, Endigo, and Leverage used for insect control; Telone II used for nematode control; Folicur and Domark used for rust control.

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

Griffin, Georgia:
Dryland Early-Planted Soybean Variety Performance, 2012

Company or Brand Name	Variety	2-Year Average Yield	2012 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										
AGSouth	AGS 5911LL	**32.3**	6	46.5	10/09	33	1.0	18.6	1.5	1.0
SS	SS5511NR2	**32.1**	1	**52.4**	10/07	36	1.0	25.1	1.5	1.0
Pioneer	95Y70	**31.8**	4	**49.4**	10/08	41	1.0	19.7	1.5	1.0
Pioneer	95Y71	**30.2**	2[T]	**50.9**	10/09	39	1.0	19.6	1.5	1.0
SS	LL595N	**28.5**	7	46.1	10/09	34	1.0	19.2	1.5	1.0
Public Variety	Osage	**22.5**	8	43.3	10/06	29	1.0	17.7	1.5	1.0
Bayer	HBK RY5421	.	2[T]	**50.9**	10/05	32	1.0	19.5	1.5	1.0
AGSouth	AGS 533LL	.	3	**50.1**	10/05	31	1.0	17.7	1.7	1.0
Public Variety	Ozark	.	5	**48.8**	10/04	35	1.0	19.4	1.5	1.0
Terral-REV™	57R21™	.	9	41.5	10/06	43	1.0	19.4	1.5	1.0
Average		29.6		48.0 [5]	10/07	35	1.0	19.6	1.5	1.0
LSD at 10% Level		N.S.[6]		4.8	02	3	-	0.1	N.S.	-
Std. Err. of Entry Mean		1.2		2.0	01	1	-	0.4	0.1	-
Maturity Group VI										
SS	SS 6810NR2	**34.3**	4	**58.7**	10/12	39	1.0	17.8	2.0	1.0
NK	S61-Q2	**33.0**	3	**59.7**	10/14	37	1.0	19.2	1.7	1.0
Dyna-Gro	V61N9RR	**32.9**	7	**55.0**	10/15	37	1.0	17.1	1.5	1.0
Croplan Genetics	R2C6810	**32.8**	9	**51.8**	10/11	36	1.0	21.8	1.5	1.0
NK	S67-R6 Brand	.	1	**60.5**	10/08	36	1.0	17.9	1.7	1.0
AGSouth	AGS 6011 LL	.	2	**60.2**	10/12	36	1.0	18.3	1.8	1.0
Progeny	P 6710 RY	.	5	**56.1**	10/11	38	1.0	21.4	1.8	1.0
USG	76S22	.	6	**55.5**	10/10	37	1.0	16.1	1.7	1.0
AGSouth	AGS 597RR	.	8	**53.4**	10/12	40	1.0	19.3	1.5	1.0
Dyna-Gro	36RY68	.	10	**51.0**	10/12	37	1.0	20.0	1.8	1.0
Average		33.3		56.2 [7]	10/11	37	1.0	18.9	1.7	1.0
LSD at 10% Level		N.S.		N.S.	N.S.	N.S.	-	2.7	N.S.	-
Std. Err. of Entry Mean		1.2		3.1	03	2	-	1.1	0.2	-
Maturity Group VII and VIII										
Pioneer	97M50	**35.1**	3	**52.3**	10/26	31	1.0	14.5	1.3	1.0
AGSouth	AGS Woodruff	**32.7**	5	**51.8**	10/27	32	1.0	18.1	1.5	1.0
Dyna-Gro	V76N9RR	**30.6**	1	**52.8**	10/29	32	1.0	15.1	1.7	1.0
Public Variety	Santee	**30.5**	2	**52.5**	10/25	36	1.0	16.1	1.3	1.0
AGSouth	AGS Prichard RR	**29.5**	6	**50.5**	10/27	34	1.0	13.7	1.3	1.0
Progeny	P 7310 RY	**29.0**	7	**47.6**	10/27	26	1.0	19.2	1.3	1.0
SS	SS7511NR2	**27.1**	9	43.3	10/26	32	1.0	19.3	1.5	1.0
NK	S78-G6 Brand	**21.4**	10	36.0	10/26	29	1.0	19.3	1.5	1.0
Asgrow	AG7733	.	4	**52.0**	10/27	28	1.0	18.0	1.7	1.0
AGSouth	AGS787 RR	.	8	**47.2**	10/26	31	1.0	16.2	1.5	1.0
Average		29.5		48.6 [8]	10/26	31	1.0	16.9	1.5	1.0
LSD at 10% Level		N.S.		7.2	01	4	-	N.S.	N.S.	-
Std. Err. of Entry Mean		2.1		2.9	01	1	-	0.3	0.1	-

Griffin, Georgia:
Dryland Early-Planted Soybean Variety Performance, 2012
(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 = 7.0% 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 = 9.5% and df for EMS = 18.
8. CV = 10.5% 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 17, 2012.
Harvested:	Maturity Group V: October 30, 2012. Maturity Group VI: October 30, 2012. Maturity Group VII & VIII: November 2, 2012.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Cecil sandy clay loam.
Soil Test:	P = Medium, K = High, and pH = 5.5.
Fertilization:	30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Millet Forage.
Management:	Chisel plowed, disked, and rototilled; Poast and one cultivation used for weed control; Endigo and Dimilin used for insect control; Domark used for rust control.

Test conducted by J. Gassett and G. Ware.

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2012

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern[1]	Peanut[2]	Javanese[3]	Race 3[4]	Race 9[5]
		---------- rating[6] ----------			----- reaction[7] -----	
AGSouth	AGS Prichard RR	1.0	4.8	4.8	R	R
AGSouth	AGS Woodruff	1.5	4.8	4.8	R	S
AGSouth	AGS553LL	4.3	3.5	1.3	S	MR
AGSouth	AGS5911LL	5.0	4.0	4.8	S	S
AGSouth	AGS597RR	4.5	5.0	5.0	R	S
AGSouth	AGS6011LL	4.8	2.5	4.3	R	S
AGSouth	AGS758RR	1.3	1.8	1.8	R	S
AGSouth	AGS787RR	1.0	1.5	1.3	R	S
AGSouth	AGS828RR	1.0	4.8	5.0	R	R
AR	R02-3065	3.3	4.8	3.0	S	S
AR	R03-1250	5.0	5.0	3.0	MR	S
AR	UA 5612	4.3	5.0	1.3	R	S
Asgrow	AG5633	5.0	4.3	1.5	R	S
Asgrow	AG7333	1.8	4.5	4.8	R	S
Asgrow	AG7733	2.3	5.0	5.0	R	S
Bayer	HBK R5425	3.8	5.0	5.0	S	R
Bayer	HBK R7028	4.8	2.5	1.3	S	S
Bayer	HBK R7200	5.0	4.3	4.8	R	S
Bayer	HBK RY5421	5.0	4.5	4.5	S	S
Bayer	HBK RY5521	4.5	4.5	2.5	R	S
Croplan Genetics	R2C6810	1.0	3.0	3.0	S	S
Croplan Genetics	R2C7622	1.0	3.8	4.3	MR	MR
Croplan Genetics	R2T7390	1.5	3.8	4.8	S	MR
Dyna-Gro	34RY75	1.5	4.0	1.0	R	S
Dyna-Gro	36RY68	1.5	5.0	1.8	R	S
Dyna-Gro	V61N9RR	1.8	3.5	4.8	R	R
Dyna-Gro	V76N9RR	4.8	5.0	5.0	R	R
Go Soy	5010LL	4.8	4.3	4.5	R	S
Go Soy	5410LL	5.0	5.0	5.0	S	S
NK	S56-G6 Brand	1.8	2.8	1.5	R	MR
NK	S56-W5 Brand	1.3	2.5	4.0	R	R
NK	S61-Q2	3.0	4.8	5.0	R	MR
NK	S67-R6 Brand	4.5	5.0	5.0	R	R
NK	S74-M3 Brand	1.3	4.8	4.8	S	S
NK	S77-T7 Brand	1.8	4.8	4.3	R	R
NK	S78-G6 Brand	1.0	4.8	4.8	R	R
Pioneer	95Y61	2.3	5.0	4.5	R	S
Pioneer	95Y70	1.0	4.8	4.5	S	S
Pioneer	95Y71	3.8	4.8	5.0	S	S
Pioneer	97M50	1.5	4.5	4.0	R	S
Progeny	P 5610 RY	2.0	3.0	4.3	MR	S
Progeny	P 5655 RY	5.0	5.0	4.8	R	R
Progeny	P 5711 RY	3.0	4.8	4.8	MR	S
Progeny	P 5811 RY	5.0	4.0	2.5	S	S
Progeny	P 6710 RY	4.3	3.8	2.8	R	S

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2012 (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] -----	
Progeny	P 7310 RY	2.3	4.5	3.8	R	S
Public Variety	Motte	2.3	3.8	2.5	R	S
Public Variety	Musen	1.5	5.0	5.0	R	R
Public Variety	OSAGE	4.0	5.0	1.5	S	S
Public Variety	OZARK	4.8	5.0	5.0	S	S
Public Variety	Santee	3.0	4.8	5.0	R	S
SC	SC03-062	5.0	4.3	5.0	R	S
SC	SC04-306	1.0	4.3	5.0	MR	S
SC	SC04-375	4.0	4.8	5.0	R	S
Schillinger	5220.RC	5.0	4.5	4.8	R	R
Schillinger	557.RC	4.8	4.3	2.8	R	R
SS	LL595N	4.8	4.8	2.8	S	S
SS	SS 6810NR2	2.0	3.3	3.0	R	S
SS	SS5510NR2	5.0	4.3	5.0	MR	S
SS	SS5511NR2	1.3	3.5	3.0	MR	MR
SS	SS7511NR2	3.5	4.8	4.8	R	S
Terral-REV™	56R21™	2.3	5.0	5.0	S	S
Terral-REV™	56R63™	2.5	5.0	5.0	R	R
Terral-REV™	57R21™	4.5	5.0	5.0	S	S
Terral-REV™	59R13™	4.3	4.8	4.5	S	S
UGA	G04-2215RR	1.0	4.5	2.8	R	S
UGA	G05-1102RR	1.0	2.0	2.3	R	S
UGA	G05-4237RR	1.0	3.8	3.5	R	R
UGA	G06-2460RR	1.0	3.5	3.0	R	S
UGA	G06-3182RR	1.0	2.5	2.3	R	MR
UGA	G07-1185RR	1.5	2.8	1.5	R	S
UGA	G07-2879RR	1.0	4.0	2.0	R	S
UGA	G07-3557RR	1.3	4.0	5.0	R	S
UGA	G08-2869RR	1.0	2.8	4.8	R	S
UGA	G08-3279RR	1.3	4.8	5.0	R	S
UGA	G08-3282RR	1.3	4.3	4.3	R	S
UGA	G08-3795RR	1.3	4.8	5.0	R	R
UGA	G08-4200RR	1.5	3.5	3.3	R	S
UGA	G08-5122RR	1.3	3.0	5.0	MR	S
UGA	G09PR-54362R2	3.3	3.3	3.3	R	S
UGA	G09PR-54378R2	1.3	3.0	2.3	R	S
UGA	G10PR-298R2	1.5	2.0	1.0	R	MR
UGA	G10PR-56248R2	1.0	1.0	1.3	R	R
UGA	G10PR-56401R2	2.0	3.8	4.8	R	S
UGA	G10PR-56466R2	1.0	2.8	2.0	MR	S
USG	76G10L	5.0	4.8	4.8	R	S
USG	76S22	1.8	3.3	1.3	R	S
USG	76S90R2	3.0	4.0	4.0	S	S
USG	7732nRR	1.3	2.0	2.8	S	S
USG	77S40R2	3.0	4.5	4.5	S	S

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2012 (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] -----	
Check Varieties	AGS Benning	1.0	4.3	3.5	R	S
	Boggs	1.0	2.5	2.0	R	S
	Bossier	5.0	5.0	3.3	S	S
	CNS	5.0	5.0	5.0	S	S
	Cook	3.0	4.8	4.5	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	1.8	4.8	5.0	R	S
	Hartwig	1.8	4.3	4.0	R	R
	Haskell	2.0	2.0	2.5	S	S
	Prichard	1.0	4.5	4.8	R	R
	LSD (0.10)	0.9	0.9	0.9		

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 = 102 (+), Pickett = 92 (+), PI88788 = 6 (-), PI90763 = 4 (-).
6. Rating: 1 (few galls) to 5 (many galls).
7. Reaction: R = Resistant (generally < 10% of females or cysts per plant).
   MR = Moderate Resistance (generally 10 to 20% of femailes or cysts per plant).
   S = Susceptible (generally > 3 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, and Zenglu Li.

Sources of Seed for the 2012 Soybean Variety Tests

Brand or Variety Name	Company and Address
AGSouth, AGS	AGSouth Genetics, LLC, P.O. Box 72246, Albany, GA 31708-2246
AR	University of Arkansas, 115 Plant Science Bldg., Fayetteville, AR 72701
Asgrow	Monsanto Company, 800 N. Lindbergh Blvd., St. Louis, MO 63167
Bayer	Bayer CropScience, 210 Drier Road, Dewitt, AR 72042
Croplan Genetics	Winfield Solutions, LLC, 949 Winleaf Drive, Collierville, TN 38017
Dyna-Gro	Crop Production Services, 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., 13760 Appomattox Circle, Laurinburg, NC 28352
Pioneer	Pioneer Hi-Bred International, Inc., 700 Boulevard South, Suite 302, Huntsville, AL 35806
Progeny	Progeny Ag Products, 1529 Hwy 193 South, Wynne, AR 72396
SC	Clemson University, Dept. ESPS, Room 213-B P&AS, Box 340315, Clemson, SC 29634
SS	Southern States Coop, P.O. Box 26234, Richmond, VA 23260
Terral-REV™	Terral Seed, Inc., P.O. Box 826, Lake Providence, LA 71254
UGA	University of Georgia, CAGT, 111 Riverbend Road, Athens, GA 30602
USG	UniSouth Genetics, Inc., 2640-C Nolensville Road, Nashville, TN 37211
Public Varieties	
Cook	Georgia Seed Development Commission, 2420 S. Milledge Avenue, Athens, GA 30605
Motte, Musen, Santee	Clemson University, Dept. ESPS, Room 213-B P&AS, Box 340315, Clemson, SC 29634
Osage, Ozark	University of Arkansas, 115 Plant Science Bldg., Fayetteville, AR 72701

GRAIN SORGHUM

Tifton, Georgia:
Early-Planted Grain Sorghum Hybrid Performance, 2012
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
DeKalb	DKS53-67	**139.3**	**93.4**	52.3	63	53	0	1.0
Advanta	XG3101	122.0	.	51.4	60	47	0	1.3
Pioneer	83P17	118.2	**80.4**	49.2	66	58	0	1.3
Alta Seeds	AG2101	112.1	.	45.4	61	50	0	1.0
Dyna Gro	765B	109.1	.	50.0	68	55	0	1.8
Alta Seeds	AG3201	105.8	**76.3**	46.1	64	52	0	1.0
Advanta	GW 9417G	98.7	.	47.1	64	59	0	1.0
Average		115.0 [4]	83.3	48.8	64	53	0	1.2
LSD at 10% Level		13.9	N.S.[5]	2.5	2	3	-	N.S.
Std. Err. of Entry Mean		5.7	8.2	2.0	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. CV = 9.9% and df for EMS = 18.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

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

Planted:	April 26, 2012.
Harvested:	August 10, 2012.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Dothan loamy sand.
Soil Test:	P = Medium, K = Medium, and pH = 6.1.
Fertilization:	Preplant: 38 lb N, 70 lb P_2O_5, and 70 lb K_2O/acre. Sidedress: 134 lb N/acre.
Previous Crop:	Dryland peanuts.
Management:	Disked, subsoiled, bedded, and rototilled: Atrazine used for weed control; Lorsban used for insect control.

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

Tifton, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2012
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
DeKalb	DKS53-67	**44.9**	**63.5**	50.2	57	44	4	1.8
Pioneer	83P17	**44.4**	**58.9**	53.4	59	49	12	1.5
Alta Seeds	AG3201	**38.8**	**63.0**	49.2	58	41	7	2.8
Advanta	GW 9417G	**38.0**	.	51.6	60	48	11	2.3
Advanta	XG3101	**36.7**	.	55.7	61	41	3	2.0
Alta Seeds	AG2101	**36.0**	.	49.0	59	44	5	2.3
Dyna Gro	765B	**35.4**	.	47.5	67	51	5	2.3
Average		39.2 [4]	61.8	50.9	60	45	7	2.1
LSD at 10% Level		N.S.[5]	N.S.	1.2	3	3	N.S.	0.4
Std. Err. of Entry Mean		5.5	9.2	0.5	1	1	4	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 = 28.2% and df for EMS = 18.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

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

Planted: June 1, 2012.
Harvested: September 24, 2012.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Dothan loamy sand.
Soil Test: P = Medium, K = Mediu, and pH = 6.1.
Fertilization: Preplant: 38 lb N, 8- lb P_2O_5, and 70 lb K_2O/acre. Sidedress: 134 lb N/acre.
Previous Crop: Dryland peanuts.
Management: Disked, subsoiled, bedded, and rototilled: Gly-Star Plus used for weed control; Lorsban used for insect control.

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

Plains, Georgia:
Early-Planted Grain Sorghum Hybrid Performance, 2012
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
DeKalb	DKS53-67	**75.8**	**66.4**	55.9	68	48	1	1.0
Pioneer	83P17	**71.9**	**67.4**	51.8	72	48	0	1.3
Advanta	XG3101	67.6	.	56.3	73	45	2	1.5
Alta Seeds	AG3201	63.6	**54.5**	53.4	70	48	6	1.0
Alta Seeds	AG2101	63.1	.	48.8	72	46	1	1.8
Gayland Ward	GW 9417	53.0	.	56.2	69	49	4	1.8
Dyna Gro	765B	51.1	.	50.9	77	50	0	3.9
Average		63.7 [4]	62.8	53.3	71	47	2	1.7
LSD at 10% Level		6.8	N.S.[5]	1.5	3	3	2	0.4
Std. Err. of Entry Mean		2.8	3.3	0.6	1	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. CV = 8.6% and df for EMS = 18.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

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

Planted: April 27, 2012.
Harvested: September 8, 2012.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.3.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre. Sidedress: 80 lb N/acre.
Previous Crop: Cotton.
Management: Disked, subsoiled, and bedded; Atrazine used for weed control.

Test conducted by A. Coy, R. Pines, D. Pearce, R. Brooke, and D. Dunn.

Plains, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2012
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
DeKalb	DKS53-67	**64.3**	**61.3**	60.7	59	37	0	1.5
Alta Seeds	AG3201	54.8	**54.7**	55.0	59	39	2	1.5
Advanta	GW 9417G	53.9	.	53.6	57	40	5	1.3
Alta Seeds	AG2101	51.4	.	51.3	60	38	1	2.0
Advanta	XG3101	48.1	.	57.0	58	37	3	2.0
Dyna Gro	765B	48.0	.	53.2	62	43	2	2.5
Pioneer	83P17	38.7	**46.9**	49.1	61	39	0	1.8
Average		51.3 [4]	54.3	54.3	59	39	2	1.8
LSD at 10% Level		9.2	N.S.[5]	3.7	2	3	2	0.5
Std. Err. of Entry Mean		3.7	2.4	1.5	1	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. CV = 14.6% and df for EMS = 18.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.

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

Planted: May 31, 2012.
Harvested: September 21, 2012.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.3.
Fertilization: Preplant: 15 lb N, 66 lb P_2O_5, and 18 lb K_2O/acre. Sidedress: 80 lb N/acre.
Previous Crop: Cotton.
Management: Disked, subsoiled, and bedded; Atrazine used for weed control.

Test conducted by A. Coy, R. Pines, D. Pearce, R. Brooke, and D. Dunn.

Griffin, Georgia:
Early-Planted Grain Sorghum Hybrid Performance, 2012
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	%
Pioneer	83P17	**92.1**	**86.5**	54.3	78	34	1	1.5	18
Dyna Gro	765B	**81.2**	.	56.2	79	39	1	1.6	19
DeKalb	DKS53-67	**80.1**	**83.5**	55.4	67	35	1	1.9	26
Gayland Ward	GW 9417	**70.5**	.	53.9	69	36	1	1.5	19
Alta Seeds	AG3201	54.0	**63.2**	50.3	68	32	1	1.9	43
Advanta	XG3101	49.5	.	54.6	68	30	1	2.1	43
Alta Seeds	AG2101	47.8	.	54.4	69	32	1	1.6	38
Average		67.9 [5]	77.7	54.2	71	34	1	1.7	29
LSD at 10% Level		22.9	N.S.[6]	1.3	4	3	-	0.3	8
Std. Err. of Entry Mean		9.3	5.4	0.5	1	1	-	0.1	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 = 27.5% 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.

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

Planted: May 31, 2012.
Harvested: October 24, 2012.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Cecil sandy clay 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: Soybeans.
Management: Chisel plowed, disked, and rototilled; Atrazine and one cultivation used for weed control.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2012
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	%
Pioneer	83P17	**107.3**	**82.1**	57.2	60	49	1.0	1.0	6
DeKalb	DKS53-67	**102.5**	**80.4**	60.0	59	46	1.0	1.5	9
Alta Seeds	AG2101	**99.0**	.	59.1	54	44	1.0	1.8	10
Alta Seeds	AG3201	93.6	**74.5**	58.0	56	47	1.0	1.9	16
Gayland Ward	GW 9417	85.2	.	58.9	57	47	1.0	2.0	9
Advanta	XG3101	84.1	.	58.6	60	42	1.0	1.5	5
Dyna Gro	765B	78.3	.	58.3	60	50	1.0	1.0	9
Average		92.9 [5]	79.0	58.6	58	46	1.0	1.5	9
LSD at 10% Level		12.9	N.S.[6]	0.5	1	3	-	0.3	3
Std. Err. of Entry Mean		5.3	6.6	0.2	1	1	-	0.1	1

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 = 18.
   not calculated.

LSD (P = 0.10).
Planted: July 2, 2012.
Harvested: October 24, 2012.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Appling coarse sandy loam.
Soil Test: P = High, K = High, and pH = 6.1.
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: Moldboard plowed, disked, and rototilled; Basagran and one cultivation used for weed control.

Test conducted by J. Gassett and G. Ware.

Grain Sorghum Hybrid Resistance to Insect and Bird Damage, 2012

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

Seven grain sorghum hybrids were evaluated for resistance to insect and bird damage in 2012. Although their damage was relatively low in general in 2012, five insect pests were observed on sorghum in south Georgia. They could be listed in order of importance as follows: sorghum midge, leaf-footed bug, fall armyworm and stink bugs (southern green and brown stink bugs). Aphid, headworm complex (i.e., corn earworm, and sorghum webworm) and chinch bug populations were low; so were plant diseases in the experimental plots in 2012.

The hybrids were planted with four replications on June 13, 2012. The flowering date (or days to anthesis) was recorded in August. The flowering time (50% plants with flowering panicles) of the seven hybrids was 60-63 days after planting (as shown in the following table), ranging between 58 and 65 days in the four replications. The whorl damage by natural fall armyworm population was assessed on July 16, 2012. Because there was no difference in fall armyworm damage among the hybrids, the data were not included in the table. Sorghum midge and bird damage were rated on September 25, 2012. 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 = 0-15%; Good = 16-30%; Fair = 31-75%; and Poor = more than three quarters (> 75%) 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) = more than 50% loss of grains per panicle. The bird damage could be reduced by timely harvest of the crop in general.

The sorghum midge is a cyclic insect pest in grain sorghum production in the southern Coastal Plain region. The overall damage caused by sorghum midge is usually high on late flowering hybrids. The midge damage was very low in 2012, rated as Very Good (VG) (< 15% grain loss), in all hybrids except hybrid '83P17' in 2012 with the June planting. Hybrid '83P17' was rated good (G) (< 30% grain loss). In addition, all entries showed a low level of bird damage when it was evaluated on September 25, 2012, which was more than three months after planting and more than one month after flowering. All bird damage ratings were also relatively low (≤ 25%) this year in comparison with the previous years. The hybrids 'AG3201,' '83P17' and 'XG3103' showed less bird damage than the other four hybrids. Based on the data collected in 2012 with the principal components analysis, the two best hybrids showing resistance to fall armyworm, midge and bird damage were 'DKS53-67' and 'XG3103.'

It is highly recommended that growers use available insect- and disease-resistant hybrids, which is one of the most economical pest management strategies for sorghum production in our region. 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 Joshua Gamblin from the Crop Genetics and Breeding Research Unit, USDA-ARS, Coastal Plain Experiment Station, University of Georgia, Tifton, Ga.

Evaluation of Grain Sorghum Hybrids for Resistance to Insect and Bird Damage, 2012, Tifton, Georgia[1]

Brand	Hybrid	Days to Anthesis[2]	Midge Resistance[3]		Bird-feeding resistance[4]	
			2012	2+ years	2012	2+ years
Advanta	XG3103	62	VG		VG	
Alta	AG2101	61	VG		G	
Alta	AG3201	60	VG	VG	G	VG-
Dekalb	DKS53-67	61	VG	VG-	VG	VG-
Dyna-Gro	765B (GX 12564)	62	VG		G	
Gayland Ward	GW 9417	61	VG		G	
Pioneer	83P17	63	G	G-	VG	G+

1. The test plots were maintained with irrigation.
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) = >75% 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) = over 50% loss.

SORGHUM FOR SILAGE

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2012

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
Gayland Ward	Ensile Master	**8.5**	**32.0**	122	27	.	3.0
Coffey	Centurion bmr-6	**7.8**	26.3	80	30	**8.9**	2.0
Alta Seeds	AF8301	**7.6**	21.0	86	36	.	3.0
Alta Seeds	AF7401	7.2	23.4	64	31	**8.7**	2.0
Southern States	SS1515F	6.9	19.8	76	35	**8.4**	2.0
Gayland Ward	GW 2120	6.7	22.7	118	30	.	3.0
Advanta	XF7501	6.7	21.9	108	31	.	3.0
Coffey	MaxiGain bmr-6	6.5	**33.3**	90	20	.	2.0
SS	SS2010BDF	6.2	20.2	70	31	8.1	2.0
Dyna-Gro	725F	5.5	20.2	74	27	.	2.0
Advanta	AF7201	5.3	15.0	92	35	6.6	4.0
Gayland Ward	GW 400 BMR	5.2	20.6	112	25	.	3.0
Alta Seeds	AF7101	5.1	15.3	88	33	.	4.5
Average		6.5 [2]	22.4 [3]	91	30	8.1	2.7
LSD at 10% Level		0.9	2.6	-	3	1.2	-
Std. Err. of Entry Mean		0.4	1.1	-	1	0.5	-

1. Rated 1 = resistant to 5 = susceptible to foliar diseases.
2. CV = 11.6% and df for EMS = 36.
3. CV = 9.7% and df for EMS = 36.

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

Planted: April 25,2012.
Harvested: August 16, 2012.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Very High, K = High, and pH = 6.5.
Fertilization: Preplant: 57 lb N, 29 lb P_2O_5, and 90 lb K_2O/acre. Sidedress: 134 lb N/acre.
Previous Crop: Summer annuals.
Management: Disked,subsoiled, bedded, and rototilled; Aatrazine and Prowl H_20 used for weed control; Telone II used for nematode control.

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

Griffin, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2012

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
Gayland Ward	Ensile Master	**9.4**	**43.1**	117	22	.
Alta Seeds	AF8301	7.9	34.0	92	23	.
Coffey	Centurion bmr-6	7.7	34.2	101	23	**5.4**
Southern States	SS1515F	7.4	31.0	88	24	**5.4**
Alta Seeds	AF7101	7.2	24.5	97	30	.
Alta Seeds	AF7401	7.0	33.8	78	21	**5.0**
Gayland Ward	GW 400 BMR	7.0	27.6	96	26	.
Advanta	XF7501	6.7	27.4	98	24	.
Gayland Ward	GW 2120	6.5	26.3	101	25	.
Advanta	AF7201	6.5	22.0	94	29	**5.2**
Coffey	MaxiGain bmr-6	6.4	35.6	96	18	.
SS	SS2010BDF	6.4	30.4	75	21	**4.8**
Dyna-Gro	725F	6.4	31.0	78	20	.
Average		7.1 [1]	30.8 [2]	93	24	5.2
LSD at 10% Level		1.0	3.1	8	3	N.S.[3]
Std. Err. of Entry Mean		1.3	0.4	3.0	1	0.9
Ratoon or Regrowth Crop						
Southern States	SS1515F	**3.4**	15.5	62	22	.
Advanta	AF7201	**3.3**	**16.6**	81	20	.
Coffey	Centurion bmr-6	**3.3**	**18.8**	69	17	.
Gayland Ward	Ensile Master	**3.1**	**17.8**	79	17	.
Alta Seeds	AF7101	**3.1**	15.6	82	20	.
Gayland Ward	GW 2120	**3.0**	**17.2**	72	18	.
Alta Seeds	AF8301	**2.9**	13.8	60	21	.
Alta Seeds	AF7401	2.7	13.7	48	20	.
SS	SS2010BDF	2.7	13.6	47	20	.
Gayland Ward	GW 400 BMR	2.6	15.9	69	16	.
Coffey	MaxiGain bmr-6	2.5	14.4	67	17	.
Advanta	XF7501	2.4	14.9	66	16	.
Dyna-Gro	725F	2.3	12.3	46	19	.
Average		2.9 [4]	15.4 [5]	65	19	.
LSD at 10% Level		0.5	2.7	5	2	
Std. Err. of Entry Mean		0.2	1.1	2	2	

Griffin, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2012
(Continued)

1. CV = 8.4% and df for EMS = 36.
2. CV = 11.3% and df for EMS = 36.
3. The F-test indicates no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
4. CV = 14.3% and df for EMS = 35.
5. CV = 14.7% and df for EMS = 35.

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

Planted:	May 31, 2012.
Harvested:	August 31, 2012. Ratoon: November 19, 2012.
Seeding Rate:	150,000 seed/acre in 30" rows.
Soil Type:	Appling coarse sandy loam.
Soil Test:	P = High, K = High, and pH = 6.1.
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:	Moldboard plowed, disked, and rototilled; Atrazine, Basagran, 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, 2012
and Two-Year Average Yields, 2010-2012

Company or Brand Name	Hybrid Name or Number	Clipping Dates 6-28-12	Clipping Dates 9-20-12	Season Total	2-Year Average
		--- dry matter yield - pounds per acre ---			
Sorghum x Sudangrass					
Chromatin Inc	FS000HS	**11612**	**14182**	**25794**	.
Dyna-Gro	710F	**10933**	12676	23609	**26649**
Gayland Ward	Sweet For Ever	**10944**	11391	22335	**26871**
Chromatin Inc	FS000HT	9289	12171	21460	.
Gayland Ward	Super Sugar	**10511**	9578	20090	**26119**
Gayland Ward	Sweet For Ever BMR	9574	10047	19621	.
Alta Seeds	AS5201	**10865**	8396	19261	.
Coffey	MaxiGain bmr-6	9387	9725	19112	.
Gayland Ward	Exp 2734 - BMR	9363	8272	17635	.
Advanta	XS6403	9500	6735	16236	.
Alta Seeds	AS6402	8797	7108	15905	21465
Coffey	Surpass XL bmr	8057	7247	15304	20284
Alta Seeds	AS9301	9252	5871	15123	22969
Alta Seeds	AS6401	8926	5724	14650	20842
Coffey	Surpass df (SGxS)	7952	6136	14088	21024
Dyna-Gro	725F	7741	6254	13995	18205
SS	SS-220BMR	7071	6785	13856	.
Average		9398	8723	18122 [1]	22714
LSD at 10% Level		1481	1181	2083	2739
Std. Err. of Entry Mean		624	498	878	1228
Pearl Millet					
SS	SS-635	**12843**		**12843**	**19035**
Ga CPES	Tifleaf 3	**12196**		**12196**	**18557**
Pennington	Leafy 22	**11390**		**11390**	.
Coffey	Leafy 60	**10069**		**10069**	.
Coffey	Exp 40-1 bmr	**9065**		**9065**	.
Coffey	Exp 43-12 bmr	**8850**		**8850**	.
Average		10735		10735 [2]	18796
LSD at 10% Level		N.S.[3]		N.S.	N.S.
Std. Err. of Entry Mean		1158		1158	756

Tifton, Georgia:
Evaluation of Summer Annual Forage, 2012
and Two-Year Average Yields, 2010-2012 (Continued)

1. CV = 9.7% and df for EMS = 48.
2. CV = 21.6% and df for EMS = 15.
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:	April 25, 2012.
Seeding Rate:	Sorghum x Sudangrass: 150,000 seed/acre in 30" rows. Millet: 4 lb seed/acre in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = High, K = High, and pH = 6.3.
Fertilization:	Preplant: 57 lb N, 28 lb P_2O_5, and 90 lb K_2O/acre. Sidedress: 134 lb N/acre, plus 50 lb N/acre after 1st harvest.
Previous Crop:	Summer annuals.
Management:	Disked, subsoiled, bedded, and rototilled; Atrazine and Prowl H_2O used for weed control; Telone II used for nematode control.

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

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2012
and Two-Year Average Yields, 2010-2012

Company or Brand Name	Hybrid Name or Number	Clipping Dates 7-31-12	9-14-12	11-19-12	Season Total	2-Year Average
		--------- dry matter yield - pounds per acre ---------				
Sorghum x Sudangrass						
Chromatin Inc	FS000HS	5886	**5233**	**2631**	**13750**	.
Alta Seeds	AS5201	**5931**	**5050**	**2608**	**13589**	.
Dyna-Gro	710F	6315	**4994**	1791	**13100**	**10977**
Gayland Ward	Super Sugar	**6219**	4261	**2528**	**13007**	**10633**
Gayland Ward	Sweet For Ever	5522	**4893**	**2559**	**12974**	**10975**
Advanta	XS6403	**6772**	4481	1628	**12881**	.
Alta Seeds	AS9301	5543	**4661**	**2437**	**12641**	**10321**
Gayland Ward	Exp 2734 - BMR	**6710**	3877	1347	11935	.
Alta Seeds	AS6402	5342	4473	2096	11912	**10363**
Alta Seeds	AS6401	5548	4349	1995	11892	**12076**
Coffey	Surpass df (SGxS)	5621	4453	1766	11839	**9308**
Chromatin Inc	FS000HT	4615	**4720**	**2359**	11693	.
Coffey	Surpass XL bmr	**5988**	4198	1492	11678	**10816**
SS	SS-220BMR	5453	4187	1646	11286	.
Coffey	MaxiGain bmr-6	4306	**4637**	2051	10994	.
Gayland Ward	Sweet For Ever BMR	5716	3554	1459	10730	.
Dyna-Gro	725F	4006	3742	1703	9451	**8637**
Average		5617	4457	2006	12080 [1]	10456
LSD at 10% Level		875	1714	418	1606	N.S.[2]
Std. Err. of Entry Mean		369	301	182	677	528

Pearl Millet		Clipping Dates 7-25-12	9-14-12	11-19-12		
Coffey	Leafy 60	**6119**	**4952**	**1481**	**12553**	.
Ga CPES	Tifleaf 3	**5772**	**4591**	**1807**	**12170**	**11241**
Pennington	Leafy 22	**6131**	**4277**	**1358**	**11766**	.
Coffey	Exp 43-12 bmr	**5765**	**4167**	882	10814	.
SS	SS-635	**5383**	**4070**	**1279**	10732	9985
Coffey	Exp 40-1 bmr	**5518**	**4495**	481	10493	.
Average		5781	4426	1215	11421 [3]	10613
LSD at 10% Level		N.S.	N.S.	639	1224	779
Std. Err. of Entry Mean		259	424	258	494	278

1. CV = 11.2% and df for EMS = 46.
2. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
3. CV = 8.6% and df for EMS = 16.

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

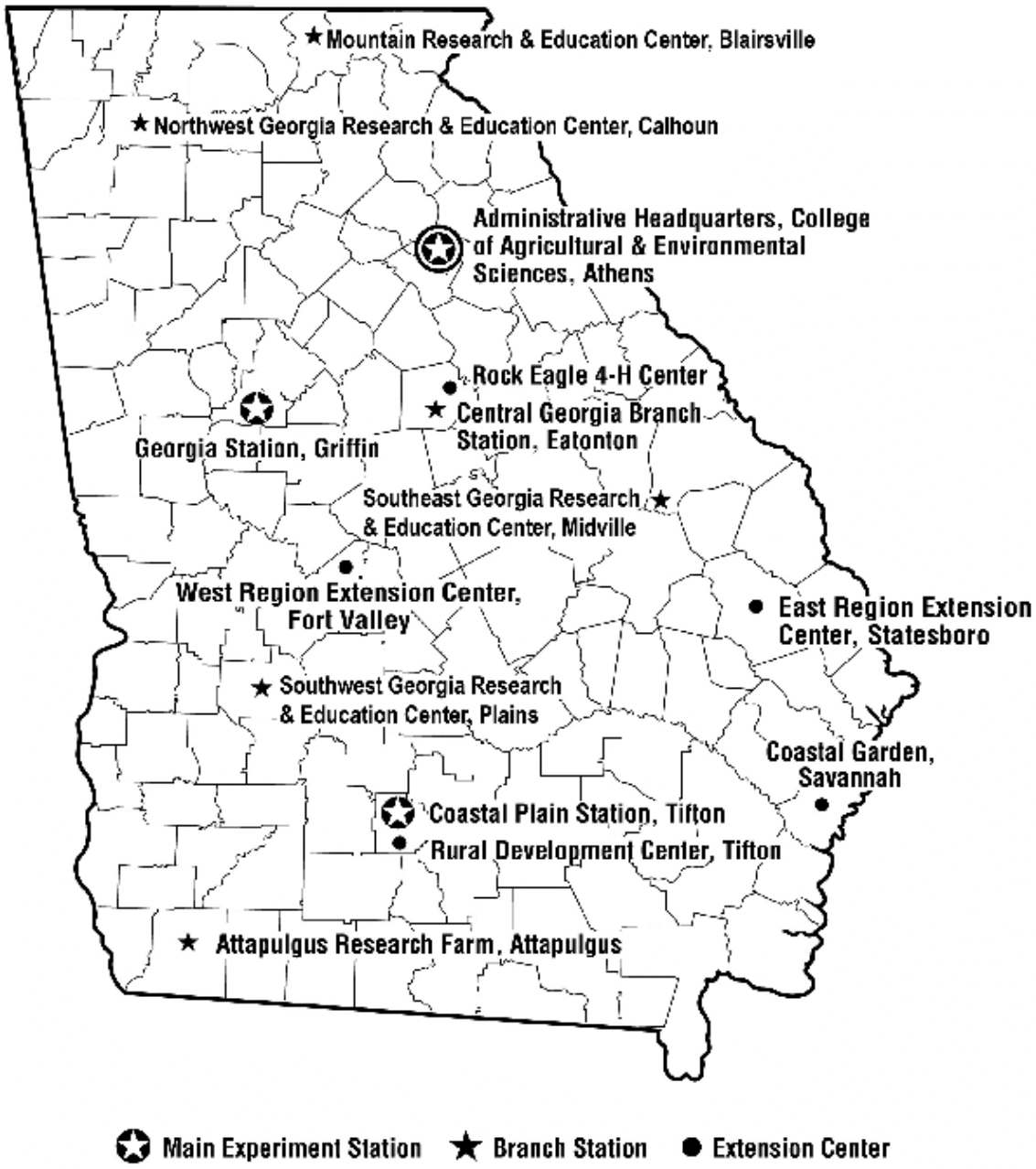
Planted: May 31, 2012.
Seeding Rate: Sorghum x Sudangrass: 150,000 seed/acre in 30" rows.
Millet: 4 lb seed/acre in 30" rows.
Soil Type: Cecil clay loam.
Soil Test: P = Low, K = Medium, and pH = 5.7.
Fertilization: Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre.
Sidedress: 50 lb N/acre, plus 50 lb N/acre after 1st and 2nd harvests.
Previous Crop: Fallow.
Management: Moldboard plowed, disked, and rototilled; Atrazine and one cultivation used for weed control.

Test conducted by J. Gassett and G. Ware.

Sources of Seed for the 2012 Grain Sorghum, Silage Sorghum, and Summer Annual Forage Tests

Brand or Variety Name	Company and Address
Advanta, Alta Seeds	Advanta US, Inc., P.O. Drawer 2420, Hereford, TX 79015
Chromatiin	Chromatin Inc., 403 South Monroe, New Deal, TX 79350
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	Crop Production Services, 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
Pennington	Pennington Seed, P.O. Box 290, Madison, GA 30650
Pioneer	Pioneer Hi-Bred International, Inc., 700 Boulevard South, Suite 302, Huntsville, AL 35802
SS, Southern States	Southern States Coop, P.O. Box 26234, Richmond, VA3260.

NOTES


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
Georgia Station, Griffin
Southeast Georgia Research & Education Center, Midville
West Region Extension Center, Fort Valley
East Region Extension Center, Statesboro
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