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G E O R G I A

2010 Soybean, Sorghum Grain and Silage, Summer Annual Forages, and Sunflower Performance Tests

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

Department of Crop and Soil Sciences
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Conversion Table

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

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

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PREFACE

This research report presents the results of the 2010 statewide performance tests of soybean, sorghum grain and silage, sunflower 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.

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 2011 Spring Planting Schedule for Georgia (available from your county Extension office). Pesticides used for production practices are included for the benefit of the reader and do not imply any endorsement or preferential treatment by the University of Georgia Agricultural Experiment Station. For additional information contact your local county Extension agent or the nearest experiment station.

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

This report is one of four publications presenting the 2010 performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2010 Corn Performance Tests (Annual Publication #101-2), 2009-2010 Small Grains Performance Tests (Annual Publication #100-2), 2009 Peanut, Cotton, and Tobacco Performance Tests (Annual Publication #104), and 2009-2010 Canola data (www.swvt.uga.edu/canola.html).

This report, along with performance test information on other crops, is also available at our website **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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2010 SOYBEAN, SORGHUM GRAIN AND SILAGE, SUMMER ANNUAL FORAGES, AND SUNFLOWER PERFORMANCE TESTS

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

The Season

The spring of 2010 began as a mirror image of 2009 due to wet and cold conditions in March. Land preparation was once again a challenge due to the persistent and sometimes torrential rains received in Georgia over the winter, however, producers quickly caught up with sunny and warm weather in early April. Late April rains and early may cooler temperatures were beneficial. Irrigation began at planting and struggled to keep up over much of the state as hot dry conditions returned in June and persisted throughout one of the hottest summers and falls on record. Stink bugs were a concern in some areas. Asian soybean rust was not an issue for the majority of the state, but it was found in a few counties in southwest Georgia. Harvest conditions for this year were excellent compared to last year.

Rainfall amounts recorded monthly at the six test locations in Georgia during the 2010 growing season are presented in the following table. Seasonal rainfall totals were below normal in the Limestone Valley area and all of south Georgia, with extremely hot and dry growing conditions this summer and fall in counties near Plains. The average rainfall deficit was 25% in the area around Plains, the largest shortage in the state. However, northeast Georgia around Athens and surrounding counties received 18% above normal for the nine month reporting period.

2010 Rainfall[1]

Month	Athens[2]	Calhoun[3]	Griffin	Midville	Plains	Tifton
	---------- inches ----------					
March	2.86	4.50	5.67	2.71	3.61	2.82
April	2.07	4.73	2.33	1.82	1.95	4.36
May	6.61	4.39	4.99	3.21	5.99	5.96
June	6.27	2.07	1.52	4.83	4.72	5.09
July	2.05	4.82	4.25	4.58	1.33	1.53
August	9.48	4.80	7.45	3.87	2.91	3.32
September	5.58	1.76	3.04	2.89	1.85	2.44
October	2.36	2.34	2.81	0.62	0.97	0.35
November	4.97	4.54	5.37	1.57	2.34	3.53
Total	42.25	33.95	37.43	26.10	25.67	29.40
Normal (9 mo)	35.92	41.54	36.54	32.60	35.23	33.65

1. Georgia data provided in part by Dr. G. Hoogenboom, Griffin Campus, Griffin, GA.
2. Plant Sciences Farm.
3. Floyd County location.

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Georgia soybean producers planted 275,000 acres this year, a 42% decrease from last year. The state per acre yield for soybeans was 30 bushels, the same as in 2007. Soybean production was 7.65 million bushels, 48% less than last year and the least produced in four years. Sorghum producers planted 45,000 acres in Georgia this year 19% less than last year. All forage production acres in Georgia remained the same as last year, 700,000 total acres.

SOYBEAN

Summary of Early-Planted MG V and VI Soybean Variety Performance at Six Locations, 2010

Company/Brand	Variety	2010 Yield[1]						Statewide Average	
		Athens	Calhoun	Griffin	Midville	Plains	Tifton	2010	2-Year
		bu/acre							
Maturity Group V									
AR	R02-3065	**59.6**	**38.8**	51.7	47.0	45.9	31.1	45.7	.
AR	R04-357	**57.1**	36.8	**66.4**	52.9	50.5	33.0	**49.5**	**55.3**
AR	R04-572	43.7	30.9	54.9	54.2	48.8	26.9	43.2	.
AR	R06-4433	51.9	**43.8**	55.9	**62.7**	46.6	35.7	**49.4**	.
AgSouth	AGS 568RR	**58.3**	35.8	53.4	51.8	49.9	36.4	**47.6**	**54.7**
Asgrow	AG5831	51.2	29.8	51.5	**57.0**	47.5	32.3	44.9	.
Croplan Genetics	RC4998	50.8	32.1	44.0	49.5	47.4	27.2	41.8	.
Croplan Genetics	XR258	54.5	**42.7**	54.4	**59.6**	49.1	27.7	**48.0**	.
Dyna-Gro	32B57	**59.7**	30.7	42.6	45.1	**54.1**	31.2	43.9	**54.6**
Dyna-Gro	33C59	45.9	32.5	47.2	**59.5**	**52.7**	34.3	45.3	**55.0**
Dyna-Gro	33X55	**61.4**	37.2	48.1	51.8	46.9	37.6	**47.2**	**56.0**
Dyna-Gro	35F55	42.7	36.7	42.6	54.0	47.0	37.8	43.5	50.8
NC	NCC02-20578	50.4	32.1	56.2	**56.2**	**51.8**	33.2	**46.6**	.
NC	NCC02-22219	49.4	34.9	48.5	51.2	44.7	37.2	44.3	.
NK	S56-G6 Brand	53.4	32.3	44.9	47.0	45.7	22.3	40.9	.
Pioneer	95Y20	**57.6**	**43.5**	57.0	54.0	46.1	40.8	**49.8**	**55.9**
Pioneer	95Y70	50.2	35.2	47.8	48.5	47.5	44.1	45.5	**55.2**
Progeny	P5610RY	52.5	32.6	50.0	**56.4**	**51.4**	26.7	44.9	.
Progeny	P5622RR	**60.3**	37.7	51.6	47.5	49.3	31.0	**46.2**	50.9
Progeny	P5650RR	54.5	26.1	48.3	51.8	49.6	**49.4**	**46.6**	**55.3**
Progeny	P5706RR	**58.3**	**39.1**	47.8	48.7	50.0	38.7	**47.1**	**54.4**
Public Variety	Lonoke	51.0	**48.8**	52.2	48.3	**52.2**	40.3	**48.8**	.
Public Variety	Osage	52.8	**42.8**	53.5	**57.1**	40.1	30.0	**46.1**	**54.0**
Public Variety	Ozark	54.5	**42.2**	49.7	50.6	46.9	32.0	46.0	.
SS	LL511N	**54.6**	37.0	52.6	**59.6**	36.6	33.6	45.7	**54.4**
SS	LL595N	51.2	27.1	40.7	55.3	44.2	28.5	41.2	51.9
SS	RT5160N	**59.1**	**41.3**	45.4	**59.1**	43.7	32.4	**46.8**	**54.3**
SS	RT5471N	**55.7**	30.0	43.4	50.3	38.7	30.8	41.5	50.3
SS	RT5760N	**56.9**	36.3	40.4	42.8	49.8	35.3	43.6	52.3
SS	RT5951N	**56.4**	34.5	52.4	50.0	43.9	39.8	**46.2**	**53.8**
SS	RT5960N	51.1	32.2	46.8	53.0	39.5	36.7	43.2	51.0
SS	SS 5810NR2	52.6	**42.1**	50.8	**56.3**	48.9	35.7	**47.7**	.
Schillinger	557.RC	53.0	34.9	52.7	51.5	46.8	33.4	45.4	.
Southland Seed	X-5401 LL	.	25.2	.	.	.	.	.	.
Terral	TV54R28	51.9	**40.1**	47.2	46.5	40.5	28.6	42.4	49.8
Terral	TV55R15	50.5	36.7	53.6	54.4	50.3	34.0	**46.6**	**53.5**
Terral	TV55R20	38.5	35.3	44.6	52.6	45.2	32.0	41.4	.
Terral-REV™	54R10™	50.4	**39.0**	52.1	49.6	43.8	34.4	44.9	.
Terral-REV™	54R21™	**56.3**	**40.5**	45.9	54.4	46.6	36.1	**46.6**	.
Terral-REV™	55R21™	54.0	30.0	43.5	49.1	41.5	39.1	42.9	.

Summary of Early-Planted MG V and VI Soybean Variety Performance at Six Locations, 2010 (Continued)

Company/Brand	Variety	2010 Yield[1]						Statewide Average	
		Athens	Calhoun	Griffin	Midville	Plains	Tifton	2010	2-Year
		bu/acre							
Maturity Group V - continued									
Terral-REV™	56R21™	48.0	34.0	53.7	**57.1**	47.6	29.7	45.0	.
Terral-REV™	57R21™	50.6	36.8	46.1	**61.7**	45.5	33.4	45.7	.
USG	74T98	**55.5**	**49.0**	52.4	54.3	36.4	32.9	**46.7**	.
USG	75T18	**56.3**	**40.1**	47.6	45.3	35.4	33.8	43.1	.
USG	75Z98	48.3	29.5	51.5	**55.9**	**56.6**	36.5	**46.4**	**55.0**
USG	Allen	45.0	**39.8**	51.3	50.0	48.0	41.6	45.9	52.5
Average		52.8	36.2	49.7	52.7	46.5	34.1	45.4	53.5
LSD at 10% Level		6.8	10.5	9.1	6.8	6.0	4.0	3.7	2.7
Std. Err. of Entry Mean		2.9	4.5	3.9	2.9	2.6	1.7	1.6	1.2
Maturity Group VI									
AR	R01-327	**55.0**	43.9	62.8	50.6	45.1	35.5	48.8	**53.6**
AR	R03-1250	**59.7**	**49.5**	57.6	**53.5**	**51.4**	29.1	**50.1**	.
AR	R04-342	**57.4**	**53.3**	57.6	**55.5**	**51.0**	31.2	**51.0**	.
AR	R04-522	**60.4**	45.2	52.3	**52.6**	**45.8**	37.8	49.0	.
AgSouth	AGS606RR	**57.1**	**52.0**	57.1	48.6	41.3	34.5	48.4	**52.9**
Asgrow	AG6031	**55.5**	**49.5**	60.9	51.3	41.0	34.9	48.9	.
Asgrow	AG6130	46.7	24.8	62.5	47.4	41.1	23.8	41.0	.
Asgrow	AG6730	43.8	24.8	63.6	49.5	38.1	36.9	42.8	.
Asgrow	AG6931	53.1	25.2	62.7	42.9	39.4	37.9	43.5	.
Croplan Genetics	RC6298	51.9	43.5	61.1	48.6	42.6	31.3	46.5	.
Croplan Genetics	XR268	53.3	24.3	61.2	40.7	40.0	40.7	43.4	.
Dyna-Gro	34F67	52.7	**46.4**	52.8	42.8	33.0	32.1	43.3	.
Dyna-Gro	36RY68	50.7	34.5	62.9	40.8	35.9	44.0	44.8	.
Dyna-Gro	V61N9RR	54.1	41.3	61.4	50.1	45.0	30.6	47.1	.
NK	S61-Q2 Brand	52.0	34.2	53.9	43.0	**47.1**	38.4	44.8	.
Progeny	P6208RR	52.2	36.7	55.1	42.5	41.4	27.1	42.5	47.9
Progeny	P6710RY	49.7	22.8	60.1	49.5	36.8	37.5	42.7	.
Public Variety	Desha	46.6	34.4	56.5	46.3	37.6	26.7	41.4	47.7
Public Variety	Musen	41.9	26.1	55.3	36.3	40.3	**53.5**	42.2	49.5
Public Variety	NC Roy	52.9	35.4	60.8	50.8	**46.9**	39.8	47.8	51.7
SS	RT6207N	**55.9**	**47.8**	60.1	**55.5**	**50.6**	37.4	**51.2**	**54.2**
SS	RT6451N	53.4	32.9	47.5	36.9	40.1	31.2	40.3	47.6
SS	RT6988N	41.5	29.8	57.1	47.2	43.6	33.2	42.1	46.2
SS	SS 6810NR2	49.1	18.2	62.0	42.4	40.6	32.9	40.8	.
SS	SS LL601N	51.5	**54.6**	53.8	**53.3**	34.3	27.0	45.7	.
UGA	G05-1102RR	**55.3**	36.5	53.9	43.9	37.7	34.3	43.6	51.4
UGA	G06-2460RR	**55.1**	45.4	57.4	51.4	42.3	40.4	48.7	.
USG	620nRR	**55.5**	42.2	63.4	48.1	39.1	**47.1**	**49.3**	**53.4**
USG	76S90R	50.0	27.8	63.4	43.8	36.6	44.4	44.3	.
USG	76U40	**56.7**	39.8	**74.3**	**59.0**	**47.2**	39.4	**52.7**	.
Average		52.4	37.4	59.0	47.5	41.8	35.7	45.6	50.6
LSD at 10% Level		5.5	8.6	6.8	6.6	5.7	6.8	3.4	2.3
Std. Err. of Entry Mean		2.3	3.6	2.9	2.8	2.4	2.9	1.5	1.0

1. Yields calculated at 13% moisture.

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

Summary of Early- and Late-Planted MG VII and VIII Soybean Variety Performance at Six Locations, 2010

Company/Brand	Variety	2010 Yield[1]						Statewide Average	
		Late-Planted		Early-Planted					
		Griffin	Plains	Athens	Midville	Plains	Tifton	2010	2-Year
		bu/acre							
Maturity Groups VII and VIII									
AgSouth	AGS 747RR	34.1	37.0	.	31.7	40.7	35.0	.	.
AgSouth	AGS 758RR	43.3	40.0	48.3	36.7	**51.7**	27.8	41.3	47.0
AgSouth	AGS Benning	42.7	35.6	51.8	37.4	44.7	35.7	41.3	44.7
AgSouth	AGS Prichard RR	38.2	35.1	51.3	25.5	36.7	38.3	37.5	44.3
AgSouth	AGS Woodruff	47.0	39.5	**56.3**	31.7	**47.2**	38.1	43.3	**52.4**
Asgrow	AG7231	45.8	**45.3**	**56.4**	43.1	**46.5**	30.7	44.6	.
Croplan Genetics	RC7355	39.8	33.5	46.8	42.3	40.8	28.5	38.6	.
Croplan Genetics	XR273	33.3	33.9	**54.2**	45.5	**47.6**	33.5	41.4	.
Dyna-Gro	35K73	**52.8**	40.9	**57.1**	43.9	**47.6**	32.5	**45.8**	49.7
Dyna-Gro	V76N9RR	39.7	**47.1**	50.2	45.8	**45.7**	**44.1**	45.4	**51.6**
NK	S78-G6 Brand	**49.0**	34.8	52.6	45.0	43.3	**40.2**	44.2	.
NK	S79-B9 Brand	45.9	42.1	**56.2**	39.4	**48.6**	37.9	45.0	.
Pioneer	97M50	**54.6**	38.8	45.6	42.0	40.2	35.9	42.9	48.0
Progeny	P7208RR	**57.7**	35.6	50.5	46.8	38.4	27.2	42.7	48.7
Progeny	P7310RY	**57.5**	33.7	**58.3**	**53.9**	**45.8**	38.9	**48.0**	.
Public Variety	Motte	**54.6**	41.6	50.9	41.0	**47.3**	34.8	45.0	46.9
Public Variety	NC Raleigh	47.5	40.5	52.1	41.1	**48.7**	38.3	44.7	48.4
Public Variety	Santee	43.3	**49.3**	52.9	41.9	42.6	38.1	44.7	48.2
SC	SC01-803	46.4	33.3	50.9	28.1	43.1	28.1	38.3	.
SC	SC02-208RR	37.1	37.9	**56.7**	31.0	43.9	34.8	40.2	46.3
SC	SC03-062	**51.5**	40.6	46.9	38.6	44.7	**41.1**	43.9	.
SS	RT7270N	41.4	32.9	**56.4**	48.2	39.6	30.6	41.5	**50.3**
SS	RT7999N	35.0	31.7	49.0	37.4	38.4	39.1	38.4	45.5
SS	SS 7310NR2	**56.0**	38.7	**58.4**	**55.7**	**50.1**	36.4	**49.2**	.
UGA	G03-1187RR	39.1	**43.9**	**55.6**	39.6	**51.1**	31.9	43.5	49.3
UGA	G04-1618RR	**48.2**	41.0	**55.4**	40.2	40.2	**44.2**	44.9	49.1
UGA	G04-2215RR	45.7	41.8	**58.9**	40.9	43.0	35.7	44.3	**50.6**
UGA	G04-2414RR	42.8	34.8	**59.7**	34.4	35.3	31.6	39.8	47.6
UGA	G05-1200RR	38.1	25.3	**57.0**	**50.3**	34.1	27.0	38.6	46.7
UGA	G05-1209RR	**47.9**	28.9	**56.8**	30.8	36.8	37.8	39.8	46.9
UGA	G05-2468RR	38.9	36.0	**53.6**	26.7	**48.8**	36.5	40.1	47.1
UGA	G05-3758RR	**49.2**	32.3	**56.4**	32.6	38.8	39.6	41.5	48.5
UGA	G05-4237RR	**51.5**	37.7	**55.1**	34.0	**45.8**	33.4	42.9	48.8
UGA	G06-2507RR	**58.7**	40.5	**55.7**	28.3	40.7	36.5	43.4	.
UGA	G06-2957RR	39.7	39.5	50.4	43.2	43.1	39.3	42.5	.
UGA	G06-3182RR	38.9	**45.6**	51.9	41.8	44.6	40.2	43.8	.
UGA	G06-5287RR	36.6	34.2	**54.3**	39.9	39.1	35.3	39.9	.
UGA	G07-1185RR	**47.9**	**43.2**	**56.5**	26.9	**47.2**	**45.0**	44.5	.
USG	7732nRR	**57.6**	37.6	49.6	37.1	35.3	27.1	40.7	47.1
USG	77S40R	44.7	37.5	**60.6**	47.3	**46.3**	35.9	45.4	.
USG	77U28	41.5	38.4	50.0	46.7	39.5	28.0	40.7	47.3
Average		45.4	38.0	53.7	39.4	43.3	35.4	42.6	48.0
LSD at 10% Level		11.1	6.1	7.2	6.5	6.7	4.8	3.4	2.4
Std. Err. of Entry Mean		4.7	2.6	3.1	2.8	2.8	2.0	1.5	1.0

1. Yields calculated at 13% moisture.

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

Regional Summary of Early-Planted MG V and VI Soybean Variety Performance, 2010

Company or Brand Name	Variety	Yield[1] South[2] 2010	South[2] 2-Year Average	North[3] 2010	North[3] 2-Year Average	Statewide[4] 2010	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group V							
AR	R02-3065	**41.3**	.	**50.0**	.	45.7	.
AR	R04-357	**45.5**	52.8	**53.4**	**57.8**	**49.5**	**55.3**
AR	R04-572	**43.3**	.	43.2	.	43.2	.
AR	R06-4433	**48.3**	.	**50.6**	.	**49.4**	.
AgSouth	AGS 568RR	**46.0**	53.6	**49.2**	**55.9**	**47.6**	**54.7**
Asgrow	AG5831	**45.6**	.	44.1	.	44.9	.
Croplan Genetics	RC4998	**41.3**	.	42.3	.	41.8	.
Croplan Genetics	XR258	**45.5**	.	**50.6**	.	**48.0**	.
Dyna-Gro	32B57	**43.4**	**56.9**	44.3	**52.3**	43.9	**54.6**
Dyna-Gro	33C59	**48.8**	**56.7**	41.9	**53.3**	45.3	**55.0**
Dyna-Gro	33X55	**45.4**	**54.6**	**48.9**	**57.3**	**47.2**	**56.0**
Dyna-Gro	35F55	**46.2**	51.5	40.7	**50.1**	43.5	50.8
NC	NCC02-20578	**47.1**	.	46.2	.	**46.6**	.
NC	NCC02-22219	**44.4**	.	44.3	.	44.3	.
NK	S56-G6 Brand	**38.3**	.	43.5	.	40.9	.
Pioneer	95Y20	**47.0**	**53.9**	**52.7**	**58.0**	**49.8**	**55.9**
Pioneer	95Y70	**46.7**	**55.0**	44.4	**55.4**	45.5	**55.2**
Progeny	P5610RY	**44.8**	.	45.0	.	44.9	.
Progeny	P5622RR	**42.6**	48.8	**49.9**	**52.9**	**46.2**	50.9
Progeny	P5650RR	**50.3**	**55.4**	42.9	**55.1**	**46.6**	**55.3**
Progeny	P5706RR	**45.8**	53.4	**48.4**	**55.5**	**47.1**	**54.4**
Public Variety	Lonoke	**46.9**	.	**50.7**	.	**48.8**	.
Public Variety	Osage	**42.4**	50.6	**49.7**	**57.4**	**46.1**	**54.0**
Public Variety	Ozark	**43.2**	.	**48.8**	.	46.0	.
SS	LL511N	**43.2**	53.4	**48.1**	**55.4**	45.7	**54.4**
SS	LL595N	**42.6**	52.1	39.7	**51.8**	41.2	51.9
SS	RT5160N	**45.1**	53.6	**48.6**	**55.0**	**46.8**	**54.3**
SS	RT5471N	**40.0**	49.9	43.1	**50.8**	41.5	50.3
SS	RT5760N	**42.6**	50.3	44.6	**54.3**	43.6	52.3
SS	RT5951N	**44.6**	53.2	**47.8**	**54.5**	**46.2**	**53.8**
SS	RT5960N	**43.1**	50.1	43.4	**51.8**	43.2	51.0
SS	SS 5810NR2	**46.9**	.	**48.5**	.	**47.7**	.
Schillinger	557.RC	**43.9**	.	**46.9**	.	45.4	.
Southland Seed	X-5401 LL	.	.	.	.	.	.
Terral	TV54R28	**38.5**	46.9	46.4	**52.8**	42.4	49.8
Terral	TV55R15	**46.2**	51.0	**46.9**	**56.0**	**46.6**	**53.5**
Terral	TV55R20	**43.3**	.	39.5	.	41.4	.
Terral-REV™	54R10™	**42.6**	.	**47.1**	.	44.9	.
Terral-REV™	54R21™	**45.7**	.	**47.6**	.	**46.6**	.
Terral-REV™	55R21™	**43.2**	.	42.5	.	42.9	.

Regional Summary of Early-Planted MG V and VI Soybean Variety Performance, 2010 (Continued)

Company or Brand Name	Variety	Yield[1] South[2] 2010	South[2] 2-Year Average	North[3] 2010	North[3] 2-Year Average	Statewide[4] 2010	Statewide[4] 2-Year Average
		bu/acre					
Maturity Group V - continued							
Terral-REV™	56R21™	**44.8**	.	45.2	.	45.0	.
Terral-REV™	57R21™	**46.9**	.	44.5	.	45.7	.
USG	74T98	**41.2**	.	**52.3**	.	**46.7**	.
USG	75T18	**38.2**	.	**48.0**	.	43.1	.
USG	75Z98	**49.7**	**55.1**	43.1	**55.0**	**46.4**	**55.0**
USG	Allen	**46.5**	52.6	45.4	52.4	45.9	52.5
Average		44.4	52.7	46.3	54.4	45.4	53.5
LSD at 10% Level		N.S.[2]	3.0	6.6	N.S.	3.7	2.7
Std. Err. of Entry Mean		1.4	1.3	2.8	1.9	1.6	1.2
Maturity Group VI							
AR	R01-327	**43.7**	**52.2**	**53.9**	**55.0**	48.8	**53.6**
AR	R03-1250	**44.7**	.	**55.6**	.	**50.1**	.
AR	R04-342	**45.9**	.	**56.1**	.	**51.0**	.
AR	R04-522	**45.4**	.	**52.6**	.	49.0	.
AgSouth	AGS606RR	**41.4**	**51.9**	**55.4**	**53.8**	48.4	**52.9**
Asgrow	AG6031	**42.4**	.	**55.3**	.	48.9	.
Asgrow	AG6130	**37.4**	.	44.7	.	41.0	.
Asgrow	AG6730	**41.5**	.	44.0	.	42.8	.
Asgrow	AG6931	**40.0**	.	47.0	.	43.5	.
Croplan Genetics	RC6298	**40.8**	.	**52.2**	.	46.5	.
Croplan Genetics	XR268	**40.5**	.	46.2	.	43.4	.
Dyna-Gro	34F67	**35.9**	.	50.7	.	43.3	.
Dyna-Gro	36RY68	**40.2**	.	49.4	.	44.8	.
Dyna-Gro	V61N9RR	**41.9**	.	**52.2**	.	47.1	.
NK	S61-Q2 Brand	**42.8**	.	46.7	.	44.8	.
Progeny	P6208RR	**37.0**	**48.0**	48.0	47.8	42.5	47.9
Progeny	P6710RY	**41.3**	.	44.2	.	42.7	.
Public Variety	Desha	**36.9**	**47.6**	45.9	47.9	41.4	47.7
Public Variety	Musen	**43.3**	**52.6**	41.1	46.3	42.2	49.5
Public Variety	NC Roy	**45.8**	**53.7**	49.7	49.7	47.8	51.7
SS	RT6207N	**47.8**	**54.4**	**54.6**	**54.0**	**51.2**	**54.2**
SS	RT6451N	**36.1**	**48.5**	44.6	46.7	40.3	47.6
SS	RT6988N	**41.3**	**46.5**	42.8	46.0	42.1	46.2
SS	SS 6810NR2	**38.6**	.	43.1	.	40.8	.
SS	SS LL601N	**38.2**	.	**53.3**	.	45.7	.
UGA	G05-1102RR	**38.6**	**50.8**	48.6	**52.1**	43.6	51.4
UGA	G06-2460RR	**44.7**	.	**52.7**	.	48.7	.
USG	620nRR	**44.8**	**53.2**	**53.7**	**53.6**	**49.3**	**53.4**
USG	76S90R	**41.6**	.	47.1	.	44.3	.
USG	76U40	**48.6**	.	**56.9**	.	**52.7**	.
Average		41.6	50.9	49.6	50.3	45.6	50.6
LSD at 10% Level		N.S.	N.S.	5.8	3.5	3.4	2.3
Std. Err. of Entry Mean		1.6	1.2	2.5	1.5	1.5	1.0

Regional Summary of Early-Planted MG V and VI Soybean Variety Performance, 2010 (Continued)

1. Yields calculated at 13% moisture.
2. Midville, Plains and Tifton.
3. Athens, Calhoun and Griffin.
4. All six locations.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Regional Summary of Early- and Late-Planted MG VII and VIII Soybean Variety Performance, 2010

Company or Brand Name	Variety	Yield[1] South[2] 2010	South[2] 2-Year Average	North[3] 2010	North[3] 2-Year Average	Statewide 2010	Statewide 2-Year Average
		bu/acre					
Maturity Groups VII and VIII							
AgSouth	AGS 747RR	36.1	45.3	.	.	.	.
AgSouth	AGS 758RR	39.0	46.4	45.8	**48.0**	41.3	47.0
AgSouth	AGS Benning	38.4	43.6	47.2	**46.7**	41.3	44.7
AgSouth	AGS Prichard RR	33.9	42.4	44.8	**48.1**	37.5	44.3
AgSouth	AGS Woodruff	39.1	**51.8**	**51.6**	**53.6**	43.3	**52.4**
Asgrow	AG7231	41.4	.	**51.1**	.	44.6	.
Croplan Genetics	RC7355	36.3	.	43.3	.	38.6	.
Croplan Genetics	XR273	40.1	.	43.8	.	41.4	.
Dyna-Gro	35K73	41.2	48.7	**54.9**	**51.6**	**45.8**	49.7
Dyna-Gro	V76N9RR	**45.7**	**51.6**	45.0	**51.6**	45.4	**51.6**
NK	S78-G6 Brand	40.8	.	**50.8**	.	44.2	.
NK	S79-B9 Brand	42.0	.	**51.1**	.	45.0	.
Pioneer	97M50	39.2	46.5	**50.1**	**51.1**	42.9	48.0
Progeny	P7208RR	37.0	47.1	**54.1**	**51.9**	42.7	48.7
Progeny	P7310RY	**43.1**	.	**57.9**	.	**48.0**	.
Public Variety	Motte	41.2	45.7	**52.7**	**49.4**	45.0	46.9
Public Variety	NC Raleigh	42.2	49.0	**49.8**	**47.2**	44.7	48.4
Public Variety	Santee	**43.0**	49.1	48.1	**46.5**	44.7	48.2
SC	SC01-803	33.2	.	48.7	.	38.3	.
SC	SC02-208RR	36.9	44.9	46.9	**49.0**	40.2	46.3
SC	SC03-062	41.3	.	**49.2**	.	43.9	.
SS	RT7270N	37.8	**49.2**	48.9	**52.6**	41.5	**50.3**
SS	RT7999N	36.7	45.2	42.0	**46.0**	38.4	45.5
SS	SS 7310NR2	**45.2**	.	**57.2**	.	**49.2**	.
UGA	G03-1187RR	41.6	49.0	47.4	**49.9**	43.5	49.3
UGA	G04-1618RR	41.4	47.1	**51.8**	**53.2**	44.9	49.1
UGA	G04-2215RR	40.3	**49.3**	**52.3**	**53.4**	44.3	**50.6**
UGA	G04-2414RR	34.0	45.4	**51.2**	**52.0**	39.8	47.6
UGA	G05-1200RR	34.2	44.7	47.6	**50.6**	38.6	46.7
UGA	G05-1209RR	33.6	43.9	**52.4**	**52.8**	39.8	46.9
UGA	G05-2468RR	37.0	47.1	46.3	**47.2**	40.1	47.1
UGA	G05-3758RR	35.8	46.7	**52.8**	**52.1**	41.5	48.5
UGA	G05-4237RR	37.7	47.2	**53.3**	**52.0**	42.9	48.8
UGA	G06-2507RR	36.5	.	**57.2**	.	43.4	.
UGA	G06-2957RR	41.3	.	45.0	.	42.5	.
UGA	G06-3182RR	**43.0**	.	45.4	.	43.8	.
UGA	G06-5287RR	37.1	.	45.5	.	39.9	.
UGA	G07-1185RR	40.6	.	**52.2**	.	44.5	.
USG	7732nRR	34.3	44.2	**53.6**	**52.8**	40.7	47.1
USG	77S40R	41.8	.	**52.7**	.	45.4	.
USG	77U28	38.1	46.4	45.8	**48.9**	40.7	47.3
Average		39.0	46.8	49.7	50.3	42.6	48.0
LSD at 10% Level		3.0	2.6	8.8	N.S.[4]	3.4	2.4
Std. Err. of Entry Mean		1.3	1.1	3.8	2.1	1.5	1.0

Regional Summary of Early- and Late-Planted MG VII and VIII Soybean Variety Performance, 2010 (Continued)

1. Yields calculated at 13% moisture.
2. Midville, Plains, Plains Late-Planted and Tifton.
3. Athens and Griffin Late-Planted.
4. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Tifton, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield	2010 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	P5650RR	**48.4**	1	**49.4**	10/02	31	2.7	13.8	2.0	1.3
USG	Allen	**48.0**	3	41.6	10/06	34	2.0	15.6	2.3	1.7
Pioneer	95Y20	**48.0**	4	40.8	10/04	27	1.3	15.1	2.7	1.3
Progeny	P5706RR	**46.6**	8	38.7	09/29	35	1.3	14.7	2.3	2.0
SS	RT5951N	**46.4**	6	39.8	10/05	32	2.3	17.3	2.5	2.0
Dyna-Gro	32B57	**45.9**	30	31.2	10/08	33	1.0	19.1	3.5	1.3
Dyna-Gro	33X55	**45.8**	10	37.6	09/30	31	2.3	15.9	1.8	2.7
SS	RT5160N	**44.7**	27	32.4	10/02	31	1.7	15.5	3.0	3.0
SS	RT5960N	**44.4**	12	36.7	10/02	29	2.3	15.7	3.7	1.7
AgSouth	AGS 568RR	**44.4**	14	36.4	10/02	30	2.3	15.6	2.0	2.3
SS	RT5760N	**44.1**	17	35.3	10/10	29	2.3	16.2	3.8	1.3
Pioneer	95Y70	**43.3**	2	44.1	10/03	37	2.3	15.2	2.3	1.7
SS	LL511N	**43.3**	22	33.6	10/03	25	1.0	14.9	2.8	1.7
Dyna-Gro	33C59	**43.1**	19	34.3	10/02	32	2.0	16.2	2.0	1.7
USG	75Z98	**42.1**	13	36.5	10/04	31	2.0	16.2	2.2	1.7
SS	RT5471N	**41.7**	33	30.8	10/02	30	2.3	13.7	2.0	2.3
SS	LL595N	**40.8**	37	28.5	10/05	29	1.7	15.2	1.8	1.7
AR	R04-357	**40.1**	25	33.0	10/02	32	1.7	15.9	3.3	2.3
Progeny	P5622RR	**39.4**	32	31.0	10/05	33	1.7	15.2	2.8	1.7
Dyna-Gro	35F55	**39.0**	9	37.8	09/29	36	2.7	15.8	1.8	1.7
Public Variety	Osage	**38.8**	34	30.0	09/30	29	1.0	12.5	2.5	2.0
Terral	TV55R15	**38.6**	20	34.0	10/01	33	1.7	15.4	2.3	1.7
Terral	TV54R28	**36.6**	36	28.6	10/02	28	1.0	16.1	2.5	2.0
Public Variety	Lonoke	.	5	40.3	10/04	28	2.7	13.2	3.3	1.7
Terral-REV™	55R21™	.	7	39.1	10/02	35	1.7	15.5	1.7	1.7
NC	NCC02-22219	.	11	37.2	10/02	29	2.3	16.9	2.5	2.0
Terral-REV™	54R21™	.	15	36.1	10/05	31	2.0	15.6	3.0	1.3
AR	R06-4433	.	16[T]	35.7	10/04	30	1.7	14.2	2.7	1.3
SS	SS 5810NR2[a]	.	16[T]	35.7	10/01	29	1.3	15.5	2.6	2.0
Terral-REV™	54R10™	.	18	34.4	09/29	35	2.7	15.6	3.0	1.7
USG	75T18	.	21	33.8	09/29	27	2.0	13.0	3.2	2.0
Terral-REV™	57R21™	.	23[T]	33.4	10/03	35	3.0	13.2	2.7	1.3
Schillinger	557.RC	.	23[T]	33.4	10/04	31	1.7	15.4	3.2	2.0
NC	NCC02-20578	.	24	33.2	09/29	21	1.0	16.8	1.8	2.0
USG	74T98	.	26	32.9	09/29	26	1.3	13.8	3.5	2.3
Asgrow	AG5831	.	28	32.3	10/02	29	1.0	15.1	2.2	1.7
Public Variety	Ozark	.	29[T]	32.0	09/30	26	1.3	16.6	2.3	2.0
Terral	TV55R20	.	29[T]	32.0	09/30	32	3.0	16.1	2.5	1.3
AR	R02-3065	.	31	31.1	10/05	26	1.7	17.2	2.5	1.3
Terral-REV™	56R21™	.	35	29.7	09/30	31	2.3	13.7	2.7	1.3
Croplan Genetics	XR258[c]	.	38	27.7	09/29	31	1.7	15.6	2.0	1.7
Croplan Genetics	RC4998	.	39	27.2	09/30	48	2.7	13.5	4.5	3.0
AR	R04-572	.	40	26.9	10/06	27	1.0	14.2	2.8	1.7
Progeny	P5610RY[c]	.	41	26.7	10/01	30	1.3	16.6	2.3	2.0
NK	S56-G6 Brand	.	42	22.3	10/02	22	1.0	14.7	3.2	1.0
Average		43.2		34.1[5]	10/02	31	1.8	15.3	2.6	1.8
LSD at 10% Level		N.S.[6]		4.0	01	3	0.7	1.1	0.8	0.7
Std. Err. of Entry Mean		2.2		1.7	01	1	0.3	0.5	0.3	0.3

Tifton, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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	**52.1**	1	**53.5**	10/15	42	2.0	13.2	1.5	1.0
USG	620nRR	**50.6**	2	**47.1**	10/05	36	2.0	15.5	2.0	1.3
SS	RT6207N	**45.7**	13	37.4	10/13	29	1.0	14.2	2.8	1.3
AgSouth	AGS606RR	**43.3**	17	34.5	10/13	29	2.0	15.4	2.2	1.7
AR	R01-327	**42.7**	15	35.5	10/09	27	1.7	18.8	2.8	1.3
UGA	G05-1102RR	**42.0**	18	34.3	10/10	34	1.0	15.1	2.7	1.3
SS	RT6451N	**41.8**	23[T]	31.2	10/10	28	1.7	14.1	2.7	1.7
Public Variety	NC Roy	**41.5**	7	39.8	10/16	31	1.0	14.6	2.0	1.0
Progeny	P6208RR	**41.1**	26	27.1	10/10	33	1.7	15.6	2.7	1.3
SS	RT6988N	**37.2**	19	33.2	10/13	35	1.7	15.5	2.2	1.3
Public Variety	Desha	**36.4**	28	26.7	10/11	38	1.7	17.2	2.5	2.3
USG	76S90R[a]	.	3	44.4	10/16	34	1.3	15.8	1.7	1.0
Dyna-Gro	36RY68	.	4	44.0	10/11	32	1.0	15.7	1.8	1.0
Croplan Genetics	XR268[c]	.	5	40.7	10/13	33	1.0	15.2	1.7	1.0
UGA	G06-2460RR	.	6	40.4	10/09	29	1.0	14.6	1.7	1.0
USG	76U40	.	8	39.4	10/13	28	1.0	14.7	2.0	1.0
NK	S61-Q2 Brand	.	9	38.4	10/08	34	2.0	16.5	2.3	1.7
Asgrow	AG6931	.	10	37.9	10/13	36	1.7	15.9	1.8	1.0
AR	R04-522	.	11	37.8	10/13	29	1.3	13.2	2.2	1.7
Progeny	P6710RY[c]	.	12	37.5	10/07	32	1.0	14.0	2.0	1.0
Asgrow	AG6730	.	14	36.9	10/13	29	1.0	14.6	1.8	1.0
Asgrow	AG6031	.	16	34.9	10/11	31	1.0	16.2	2.7	2.0
SS	SS 6810NR2[a]	.	20	32.9	10/13	32	1.0	15.7	1.7	1.0
Dyna-Gro	34F67	.	21	32.1	09/29	51	2.7	13.7	3.0	4.0
Croplan Genetics	RC6298	.	22	31.3	10/13	25	1.7	16.5	2.2	1.3
AR	R04-342	.	23[T]	31.2	10/03	27	1.3	16.7	3.5	2.0
Dyna-Gro	V61N9RR	.	24	30.6	10/11	27	1.0	16.6	3.0	1.0
AR	R03-1250	.	25	29.1	10/09	26	1.0	16.1	2.5	1.7
SS	SS LL601N	.	27	27.0	10/05	29	1.7	15.7	3.5	2.0
Asgrow	AG6130	.	29	23.8	10/13	31	1.3	13.2	2.2	1.7
Average		43.1		35.7 [7]	10/11	32	1.4	15.3	2.3	1.5
LSD at 10% Level		N.S.		6.8	02	3	0.6	2.8	0.6	0.5
Std. Err. of Entry Mean		1.5		2.9	01	1	0.2	0.4	0.3	0.2

Tifton, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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										
Public Variety	Santee	**46.0**	11[T]	38.1	.	45	2.3	15.7	1.3	1.0
AgSouth	AGS Woodruff	**45.9**	11[T]	38.1	.	37	1.7	16.9	1.7	1.0
UGA	G04-1618RR	**45.7**	2	**44.2**	.	37	2.3	13.8	1.2	1.0
Dyna-Gro	V76N9RR	**45.3**	3	**44.1**	.	35	2.0	15.4	1.3	1.0
UGA	G05-1209RR	**44.4**	13	37.8	.	42	1.0	14.7	1.7	1.0
UGA	G05-2468RR	**43.4**	14[T]	36.5	.	38	1.3	15.1	1.8	1.0
UGA	G04-2215RR	**42.9**	17[T]	35.7	.	29	1.0	12.9	1.3	1.0
AgSouth	AGS Benning	**42.6**	17[T]	35.7	.	34	1.3	17.1	1.5	1.0
Pioneer	97M50	**42.4**	16[T]	35.9	.	37	1.3	15.0	1.3	1.0
UGA	G05-3758RR	**41.4**	6	39.6	.	43	1.3	13.3	1.2	1.0
SS	RT7999N	**41.2**	8	39.1	.	44	1.0	16.1	1.0	1.0
UGA	G03-1187RR	**41.1**	24	31.9	.	31	1.0	15.7	1.7	1.0
SC	SC02-208RR	**40.8**	20[T]	34.8	.	37	1.3	13.6	2.2	1.0
UGA	G04-2414RR	**40.6**	25	31.6	.	35	1.0	13.4	1.8	1.0
SS	RT7270N	**39.2**	27	30.6	.	33	1.7	13.9	1.8	1.3
AgSouth	AGS 747RR	**38.9**	19	35.0	.	45	1.0	16.1	1.7	1.0
AgSouth	AGS 758RR	**38.9**	31	27.8	.	31	1.3	15.8	1.5	1.3
Public Variety	NC Raleigh	**38.7**	10[T]	38.3	.	31	1.7	14.9	1.0	1.3
UGA	G05-1200RR	**37.3**	34	27.0	.	33	1.0	17.1	1.8	1.0
Public Variety	Motte	**37.0**	20[T]	34.8	.	44	2.3	13.7	1.5	1.0
Dyna-Gro	35K73	**37.0**	23	32.5	.	43	1.7	15.5	2.3	1.0
UGA	G05-4237RR	**36.9**	22	33.4	.	37	1.0	14.0	1.7	1.0
AgSouth	AGS Prichard RR	**36.7**	10[T]	38.3	.	47	2.0	13.5	1.2	1.0
Progeny	P7208RR	**36.5**	32	27.2	.	33	1.7	16.4	3.0	1.0
USG	7732nRR	**36.3**	33	27.1	.	43	2.7	15.0	2.0	1.0
USG	77U28	**35.7**	30	28.0	.	33	1.0	17.4	2.5	1.3
UGA	G07-1185RR	.	1	**45.0**	.	40	1.0	13.3	1.2	1.0
SC	SC03-062	.	4	**41.1**	.	33	1.7	14.6	1.3	1.0
UGA	G06-3182RR	.	5[T]	**40.2**	.	32	1.0	14.8	1.7	1.3
NK	S78-G6 Brand	.	5[T]	**40.2**	.	35	1.3	17.1	1.8	1.0
UGA	G06-2957RR	.	7	39.3	.	31	2.0	15.1	1.8	1.0
Progeny	P7310RY[c]	.	9	38.9	.	31	1.0	17.7	1.5	1.0
NK	S79-B9 Brand	.	12	37.9	.	40	1.7	17.8	1.7	1.0
UGA	G06-2507RR	.	14[T]	36.5	.	37	1.0	15.2	1.2	1.0
SS	SS 7310NR2[a]	.	15	36.4	.	35	1.0	17.3	1.7	1.0
USG	77S40R[a]	.	16[T]	35.9	.	31	1.0	16.8	1.7	1.0
UGA	G06-5287RR	.	18	35.3	.	30	1.3	13.4	1.3	1.3
Croplan Genetics	XR273[c]	.	21	33.5	.	35	1.7	17.8	2.2	1.0
Asgrow	AG7231	.	26	30.7	.	28	1.0	15.7	2.2	1.0
Croplan Genetics	RC7355	.	28	28.5	.	27	1.0	15.1	1.7	1.0
SC	SC01-803	.	29	28.1	.	43	1.3	14.9	2.0	1.0
Average		40.5		35.4 [8]	.	36	1.4	15.3	1.7	1.0
LSD at 10% Level		N.S.		4.8		4	0.6	1.0	0.4	N.S.
Std. Err. of Entry Mean		1.6		2.0		2	0.3	0.4	0.2	0.1

Tifton, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

* 2009-2010.

[a] Seed treated with Acceleron systemic material.

[c] Seed treated with Cruiser Max systemic material.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 8.7% and df for EMS = 88.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 14.0% and df for EMS = 58.
8. CV = 10.0% and df for EMS = 80.

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 12, 2010.
Harvested:	Maturity Group V - November 1, 2010. Maturity Groups VI, VII and VIII - November 12, 2010.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = Very High, K = Medium, and pH = 6.0.
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Subsoiled, bedded, and rototilled; Treflan, Classic, Select, and Ultra Blazer used for weed control; Mustang Max, Tracer, and Discipline used for insect control; Telone II used for nematode control; irrigated 9 inches.

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

Plains, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield	2010 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										
Dyna-Gro	32B57	**61.1**	2	**54.1**	09/09	32	1.0	.	.	1.3
USG	75Z98	**57.4**	1	**56.6**	09/25	33	1.0	.	.	1.3
Dyna-Gro	33C59	**56.8**	3	**52.7**	09/27	31	1.0	.	.	2.0
Pioneer	95Y70	**55.4**	19[T]	47.5	09/23	35	2.0	.	.	1.3
Progeny	P5622RR	54.8	13	49.3	09/27	32	1.0	.	.	2.3
AgSouth	AGS 568RR	54.7	10	49.9	09/23	30	1.3	.	.	2.3
Progeny	P5650RR	54.7	12	49.6	09/24	35	2.0	.	.	1.3
SS	RT5760N	54.3	11	49.8	09/25	32	1.3	.	.	1.7
Dyna-Gro	33X55	54.2	22[T]	46.9	09/23	29	1.3	.	.	2.7
Progeny	P5706RR	53.1	9	50.0	09/22	35	1.0	.	.	1.3
AR	R04-357	52.8	7	50.5	09/24	30	1.7	.	.	1.7
Dyna-Gro	35F55	52.3	21	47.0	09/23	36	1.3	.	.	1.0
Terral	TV55R15	52.2	8	50.3	09/22	35	2.0	.	.	2.0
Pioneer	95Y20	52.2	25	46.1	09/22	29	1.3	.	.	2.3
SS	RT5951N	52.2	32	43.9	09/24	32	2.0	.	.	2.3
SS	LL595N	49.8	31	44.2	09/23	31	1.3	.	.	1.7
SS	RT5160N	48.8	34	43.7	09/21	31	2.0	.	.	3.0
USG	Allen	48.5	17	48.0	09/29	33	1.7	.	.	1.7
SS	RT5471N	47.2	39	38.7	09/28	29	1.3	.	.	3.0
SS	LL511N	47.0	40	36.6	09/21	28	1.0	.	.	2.0
SS	RT5960N	46.4	38	39.5	09/26	32	1.0	.	.	2.0
Public Variety	Osage	44.8	37	40.1	09/28	27	1.0	.	.	3.0
Terral	TV54R28	42.9	36	40.5	09/28	34	1.7	.	.	3.0
Public Variety	Lonoke	.	4	**52.2**	09/25	31	2.0	.	.	1.3
NC	NCC02-20578	.	5	**51.8**	09/22	24	1.0	.	.	2.0
Progeny	P5610RY[c]	.	6	**51.4**	09/24	28	1.7	.	.	2.0
Croplan Genetics	XR258[c]	.	14	49.1	09/26	30	1.0	.	.	2.0
SS	SS 5810NR2[a]	.	15	48.9	09/23	31	1.7	.	.	1.7
AR	R04-572	.	16	48.8	09/29	23	1.0	.	.	1.7
Terral-REV™	56R21™	.	18	47.6	09/27	33	1.7	.	.	1.7
Asgrow	AG5831	.	19[T]	47.5	09/22	28	1.0	.	.	1.3
Croplan Genetics	RC4998	.	20	47.4	09/30	43	2.7	.	.	2.0
Public Variety	Ozark	.	22[T]	46.9	09/22	31	2.0	.	.	1.3
Schillinger	557.RC	.	23	46.8	09/24	26	1.3	.	.	2.0
Terral-REV™	54R21™	.	24[T]	46.6	09/26	30	1.0	.	.	2.3
AR	R06-4433	.	24[T]	46.6	09/27	29	1.3	.	.	1.0
AR	R02-3065	.	26	45.9	09/27	31	1.3	.	.	2.0
NK	S56-G6 Brand	.	27	45.7	10/01	24	1.0	.	.	1.3
Terral-REV™	57R21™	.	28	45.5	09/28	38	2.3	.	.	1.3
Terral	TV55R20	.	29	45.2	09/21	34	2.0	.	.	1.7
NC	NCC02-22219	.	30	44.7	09/25	29	1.7	.	.	1.7
Terral-REV™	54R10™	.	33	43.8	09/20	33	2.0	.	.	3.0
Terral-REV™	55R21™	.	35	41.5	09/23	29	1.0	.	.	1.7
USG	74T98	.	41	36.4	09/18	26	1.0	.	.	2.7
USG	75T18	.	42	35.4	09/19	27	2.0	.	.	2.0
Average		51.9		46.5 [5]	09/24	31	1.5	.	.	1.9
LSD at 10% Level		6.2		6.0	06	3	0.6			0.7
Std. Err. of Entry Mean		2.0		2.6	03	1	0.3			0.3

Plains, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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										
SS	RT6207N	**54.9**	3	**50.6**	09/25	28	1.0	.	.	1.0
AR	R01-327	**53.0**	8	45.1	09/26	29	1.0	.	.	1.0
Public Variety	NC Roy	**52.9**	6	**46.9**	10/11	35	1.0	.	.	1.0
Public Variety	Musen	**49.5**	18	40.3	10/13	39	1.3	.	.	1.0
AgSouth	AGS606RR	47.9	14	41.3	09/24	27	1.0	.	.	1.7
SS	RT6988N	45.5	10	43.6	10/03	35	1.0	.	.	2.0
Public Variety	Desha	45.4	25	37.6	09/27	35	1.3	.	.	1.7
USG	620nRR	45.3	22	39.1	09/24	36	1.7	.	.	1.7
UGA	G05-1102RR	45.1	24	37.7	10/06	35	1.0	.	.	1.3
SS	RT6451N	44.9	19	40.1	10/08	41	1.0	.	.	1.0
Progeny	P6208RR	43.0	13	41.4	09/30	35	1.3	.	.	2.7
AR	R03-1250	.	1	**51.4**	09/30	30	1.0	.	.	1.3
AR	R04-342	.	2	**51.0**	09/23	28	1.0	.	.	1.3
USG	76U40	.	4	**47.2**	10/02	31	1.0	.	.	1.3
NK	S61-Q2 Brand	.	5	**47.1**	09/25	33	1.3	.	.	1.7
AR	R04-522	.	7	**45.8**	09/25	28	1.3	.	.	1.0
Dyna-Gro	V61N9RR	.	9	45.0	10/02	30	1.3	.	.	1.3
Croplan Genetics	RC6298	.	11	42.6	09/30	29	1.0	.	.	1.7
UGA	G06-2460RR	.	12	42.3	09/29	27	1.0	.	.	1.3
Asgrow	AG6130	.	15	41.1	10/04	36	1.0	.	.	1.0
Asgrow	AG6031	.	16	41.0	10/01	31	1.0	.	.	2.3
SS	SS 6810NR2[a]	.	17	40.6	10/12	35	1.0	.	.	1.0
Croplan Genetics	XR268[c]	.	20	40.0	10/13	35	1.3	.	.	1.0
Asgrow	AG6931	.	21	39.4	10/12	42	1.7	.	.	1.0
Asgrow	AG6730	.	23	38.1	10/09	32	1.0	.	.	1.0
Progeny	P6710RY[c]	.	26	36.8	10/13	33	1.0	.	.	1.0
USG	76S90R[a]	.	27	36.6	10/12	35	1.0	.	.	1.0
Dyna-Gro	36RY68	.	28	35.9	10/13	34	1.0	.	.	1.0
SS	SS LL601N	.	29	34.3	09/23	29	1.0	.	.	2.7
Dyna-Gro	34F67	.	30	33.0	09/12	43	3.0	.	.	3.7
Average		48.0		41.8 [6]	10/02	33	1.2	.	.	1.5
LSD at 10% Level		6.3		5.7	02	3	0.4			0.6
Std. Err. of Entry Mean		2.1		2.4	01	1	0.2			0.3

Plains, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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 Woodruff	**56.1**	9[T]	**47.2**	10/16	33	2.0	.	.	1.0
UGA	G05-2468RR	**52.6**	4	**48.8**	10/15	37	1.0	.	.	1.0
AgSouth	AGS 758RR	**52.4**	1	**51.7**	10/14	36	1.3	.	.	1.0
UGA	G03-1187RR	**52.2**	2	**51.1**	10/14	36	1.0	.	.	1.0
Public Variety	NC Raleigh	**51.4**	5	**48.7**	10/17	34	1.7	.	.	1.0
Dyna-Gro	V76N9RR	**50.5**	13	**45.7**	10/15	37	1.3	.	.	1.0
UGA	G05-4237RR	**50.1**	12[T]	**45.8**	10/17	36	1.0	.	.	1.0
Dyna-Gro	35K73	**49.7**	7[T]	**47.6**	10/13	39	1.0	.	.	1.0
UGA	G04-2215RR	**49.6**	19	43.0	10/15	31	1.0	.	.	1.0
Public Variety	Motte	**49.0**	8	**47.3**	10/13	39	1.3	.	.	1.0
SS	RT7270N	**48.9**	24	39.6	10/13	34	1.0	.	.	1.0
Public Variety	Santee	**48.7**	20	42.6	10/14	42	1.7	.	.	1.0
UGA	G05-3758RR	**48.3**	27	38.8	10/16	39	1.0	.	.	1.0
AgSouth	AGS Benning	**48.1**	14[T]	44.7	10/14	37	1.0	.	.	1.0
AgSouth	AGS 747RR	**47.9**	22[T]	40.7	10/19	39	1.0	.	.	1.0
UGA	G04-1618RR	**47.1**	23[T]	40.2	10/15	36	1.0	.	.	1.0
UGA	G04-2414RR	**47.0**	31[T]	35.3	10/16	30	1.0	.	.	1.0
SC	SC02-208RR	**46.7**	16	43.9	10/15	39	1.0	.	.	1.0
SS	RT7999N	**46.3**	28[T]	38.4	10/17	39	1.0	.	.	1.0
AgSouth	AGS Prichard RR	**46.3**	30	36.7	10/21	39	1.0	.	.	1.0
Progeny	P7208RR	**45.8**	28[T]	38.4	10/08	29	1.0	.	.	2.0
USG	77U28	**45.2**	25	39.5	10/09	29	1.0	.	.	1.3
USG	7732nRR	**44.0**	31[T]	35.3	10/16	35	1.0	.	.	1.0
UGA	G05-1200RR	**43.7**	32	34.1	10/11	27	1.0	.	.	1.7
Pioneer	97M50	**43.5**	23[T]	40.2	10/13	33	1.0	.	.	1.0
UGA	G05-1209RR	**42.8**	29	36.8	10/14	37	1.0	.	.	1.0
SS	SS 7310NR2[a]	.	3	**50.1**	10/11	31	1.0	.	.	1.0
NK	S79-B9 Brand	.	6	**48.6**	10/15	43	1.3	.	.	1.0
Croplan Genetics	XR273[c]	.	7[T]	**47.6**	10/13	31	1.0	.	.	1.0
UGA	G07-1185RR	.	9[T]	**47.2**	10/20	39	1.0	.	.	1.0
Asgrow	AG7231	.	10	**46.5**	10/15	33	1.0	.	.	1.0
USG	77S40R[a]	.	11	**46.3**	10/13	30	1.0	.	.	1.0
Progeny	P7310RY[c]	.	12[T]	**45.8**	10/13	31	1.0	.	.	1.0
SC	SC03-062	.	14[T]	44.7	10/21	34	1.3	.	.	1.0
UGA	G06-3182RR	.	15	44.6	10/12	31	1.0	.	.	1.0
NK	S78-G6 Brand	.	17	43.3	10/14	37	1.0	.	.	1.0
UGA	G06-2957RR	.	18[T]	43.1	10/14	35	1.0	.	.	1.0
SC	SC01-803	.	18[T]	43.1	10/19	40	1.0	.	.	1.0
Croplan Genetics	RC7355	.	21	40.8	10/16	31	1.0	.	.	1.0
UGA	G06-2507RR	.	22[T]	40.7	10/16	35	1.0	.	.	1.0
UGA	G06-5287RR	.	26	39.1	10/13	33	1.0	.	.	1.0
Average		48.2		43.3[7]	10/15	35	1.1	.	.	1.0
LSD at 10% Level		N.S.[8]		6.7	02	3	0.4			0.2
Std. Err. of Entry Mean		2.3		2.8	01	1	0.2			0.1

Plains, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

* 2009-2010.

[a] Seed treated with Acceleron systemic material.

[c] Seed treated with Cruiser Max systemic material.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 9.5% and df for EMS = 88.
6. CV = 10.0% and df for EMS = 58.
7. CV = 11.4% and df for EMS = 80.
8. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted:	May 24, 2010.
Harvested:	Maturity Groups V and VI - October 21, 2010. Maturity Groups VII and VIII - November 10, 2010.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Low, K = High, and pH = 6.4.
Fertilization:	20 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Subsoiled, bedded and rototilled; Reflex, and Prowl used for weed control; Tracer used for insect control; irrigated 8 inches.

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

Plains, Georgia:
Late-Planted Soybean Variety Performance, 2010, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield	2010 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII										
Dyna-Gro	V76N9RR	**51.4**	2	**47.1**	10/23	37	2.0	.	.	1.0
Public Variety	NC Raleigh	**47.4**	13[T]	40.5	10/19	30	1.7	.	.	1.0
Dyna-Gro	35K73	**47.1**	11	40.9	10/19	36	2.0	.	.	1.0
Public Variety	Santee	**46.6**	1	**49.3**	10/20	40	2.7	.	.	1.0
UGA	G05-4237RR	**46.3**	20	37.7	10/23	32	1.3	.	.	1.0
UGA	G05-2468RR	**45.8**	24	36.0	10/20	33	1.0	.	.	1.0
UGA	G03-1187RR	**45.6**	5	**43.9**	10/15	35	2.0	.	.	1.0
USG	77U28	**44.4**	18	38.4	10/13	33	1.3	.	.	1.0
Public Variety	Motte	**44.3**	9	41.6	10/23	36	2.3	.	.	1.0
Progeny	P7208RR	**44.1**	25[T]	35.6	10/13	31	1.7	.	.	1.3
AgSouth	AGS Woodruff	**43.6**	15[T]	39.5	10/23	30	1.3	.	.	1.0
AgSouth	AGS 747RR	**43.2**	23	37.0	10/25	33	1.0	.	.	1.0
AgSouth	AGS Prichard RR	**42.9**	26	35.1	10/25	33	1.7	.	.	1.0
UGA	G04-2215RR	**42.8**	8	41.8	10/22	27	1.0	.	.	1.0
Pioneer	97M50	**42.2**	16	38.8	10/20	31	1.3	.	.	1.0
UGA	G05-3758RR	**42.0**	34	32.3	10/24	34	1.0	.	.	1.0
AgSouth	AGS 758RR	**41.8**	14	40.0	10/18	31	1.7	.	.	1.0
SS	RT7270N	**41.7**	33	32.9	10/15	31	1.7	.	.	1.0
SS	RT7999N	**40.9**	35	31.7	10/23	31	1.0	.	.	1.0
SC	SC02-208RR	**40.3**	19	37.9	10/20	33	1.3	.	.	1.0
UGA	G04-2414RR	**39.7**	27[T]	34.8	10/21	27	1.0	.	.	1.3
UGA	G04-1618RR	**39.3**	10	41.0	10/17	33	1.7	.	.	1.0
USG	7732nRR	**38.3**	21	37.6	10/22	34	2.0	.	.	1.0
UGA	G05-1209RR	**35.9**	36	28.9	10/24	32	1.0	.	.	1.0
UGA	G05-1200RR	**32.7**	37	25.3	10/15	27	1.0	.	.	1.0
AgSouth	AGS Benning	**29.1**	25[T]	35.6	10/16	31	1.3	.	.	1.0
UGA	G06-3182RR	.	3	**45.6**	10/14	29	1.7	.	.	1.0
Asgrow	AG7231	.	4	**45.3**	10/21	33	1.0	.	.	1.0
UGA	G07-1185RR	.	6	**43.2**	10/25	35	1.0	.	.	1.0
NK	S79-B9 Brand	.	7	42.1	10/23	39	1.3	.	.	1.0
SC	SC03-062	.	12	40.6	10/25	30	1.3	.	.	1.0
UGA	G06-2507RR	.	13[T]	40.5	10/23	29	1.0	.	.	1.0
UGA	G06-2957RR	.	15[T]	39.5	10/15	32	1.7	.	.	1.0
SS	SS 7310NR2[a]	.	17	38.7	10/16	25	1.0	.	.	1.0
USG	77S40R[a]	.	22	37.5	10/17	27	1.0	.	.	1.0
NK	S78-G6 Brand	.	27[T]	34.8	10/17	33	1.0	.	.	1.0
UGA	G06-5287RR	.	28	34.2	10/17	31	1.0	.	.	1.0
Croplan Genetics	XR273[c]	.	29	33.9	10/18	24	1.0	.	.	1.0
Progeny	P7310RY[c]	.	30	33.7	10/18	26	1.0	.	.	1.0
Croplan Genetics	RC7355	.	31	33.5	10/23	19	1.0	.	.	1.0
SC	SC01-803	.	32	33.3	10/24	34	1.0	.	.	1.0
Average		42.3		38.0 [5]	10/19	31	1.4	.	.	1.0
LSD at 10% Level		N.S.[6]		6.1	-	5	0.6			N.S.[6]
Std. Err. of Entry Mean		2.2		2.6	-	2	0.2			0.1

Plains, Georgia:
Late-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

* 2009-2010.

[a] Seed treated with Acceleron systemic material.

[c] Seed treated with Cruiser Max systemic material.

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 = 80.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted:	May 24, 2010.
Harvested:	November 10, 2010.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Greenville sandy loam.
Soil Test:	P = Low, K = High, and pH = 6.4.
Fertilization:	20 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre.
Previous Crop:	Corn.
Management:	Subsoiled, bedded and rototilled; Reflex, and Prowl used for weed control; Tracer used for insect control; irrigated 8 inches.

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

Midville, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield	2010 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										
Dyna-Gro	33C59	**70.4**	4	**59.5**	09/20	35	2.7	.	.	1.0
SS	LL511N	**69.9**	3[T]	**59.6**	09/17	29	1.7	.	.	1.0
Public Variety	Osage	**68.1**	6[T]	**57.1**	09/13	33	1.3	.	.	1.0
SS	RT5160N	**67.2**	5	**59.1**	09/15	39	2.3	.	.	1.0
Pioneer	95Y70	**66.3**	30	48.5	09/24	43	3.0	.	.	1.0
SS	LL595N	**65.8**	12	55.3	09/17	37	2.0	.	.	1.0
USG	75Z98	**65.7**	11	**55.9**	09/25	35	2.3	.	.	1.0
AR	R04-357	**65.4**	18	52.9	09/19	34	3.0	.	.	1.0
Dyna-Gro	32B57	**63.8**	36	45.1	09/20	40	1.3	.	.	1.0
Dyna-Gro	33X55	**63.7**	20[T]	51.8	09/24	39	2.3	.	.	1.0
Dyna-Gro	35F55	**63.1**	16[T]	54.0	09/23	38	3.0	.	.	1.0
Progeny	P5650RR	**63.1**	20[T]	51.8	09/22	42	3.0	.	.	1.0
Terral	TV55R15	62.2	13[T]	54.4	09/22	42	3.0	.	.	1.0
Pioneer	95Y20	61.6	16[T]	54.0	09/16	34	2.3	.	.	1.0
AgSouth	AGS 568RR	61.6	20[T]	51.8	09/22	39	1.7	.	.	1.0
USG	Allen	61.4	25[T]	50.0	09/19	38	2.3	.	.	1.0
Terral	TV54R28	61.2	34	46.5	09/17	35	1.3	.	.	1.0
SS	RT5951N	61.1	25[T]	50.0	09/19	38	1.7	.	.	1.0
SS	RT5471N	60.6	24	50.3	09/19	38	2.3	.	.	1.0
Progeny	P5706RR	60.5	29	48.7	09/23	43	3.0	.	.	1.0
SS	RT5960N	59.5	17	53.0	09/26	40	2.3	.	.	1.0
SS	RT5760N	52.7	37	42.8	10/03	43	2.3	.	.	1.0
Progeny	P5622RR	52.1	32	47.5	09/22	37	2.3	.	.	1.0
AR	R06-4433	.	1	**62.7**	09/26	35	2.0	.	.	1.0
Terral-REV™	57R21™	.	2	**61.7**	09/22	45	3.3	.	.	1.0
Croplan Genetics	XR258[c]	.	3[T]	**59.6**	09/25	37	2.3	.	.	1.0
Terral-REV™	56R21™	.	6[T]	**57.1**	09/25	40	3.0	.	.	1.0
Asgrow	AG5831	.	7	**57.0**	09/22	35	1.0	.	.	1.0
Progeny	P5610RY[c]	.	8	**56.4**	09/17	39	1.3	.	.	1.0
SS	SS 5810NR2[a]	.	9	**56.3**	09/17	38	2.3	.	.	1.0
NC	NCC02-20578	.	10	**56.2**	09/19	28	1.3	.	.	1.0
Terral-REV™	54R21™	.	13[T]	54.4	09/17	38	1.7	.	.	1.0
USG	74T98	.	14	54.3	09/16	31	2.3	.	.	1.0
AR	R04-572	.	15	54.2	09/27	30	1.3	.	.	1.0
Terral	TV55R20	.	19	52.6	09/19	37	3.0	.	.	1.0
Schillinger	557.RC	.	21	51.5	09/19	35	1.3	.	.	1.0
NC	NCC02-22219	.	22	51.2	09/17	35	2.0	.	.	1.0
Public Variety	Ozark	.	23	50.6	09/18	33	1.7	.	.	1.0
Terral-REV™	54R10™	.	26	49.6	09/19	35	2.3	.	.	1.0
Croplan Genetics	RC4998	.	27	49.5	09/24	51	3.3	.	.	1.0
Terral-REV™	55R21™	.	28	49.1	09/22	41	2.0	.	.	1.0
Public Variety	Lonoke	.	31	48.3	09/25	35	2.7	.	.	1.0
AR	R02-3065	.	33[T]	47.0	09/20	33	2.3	.	.	1.0
NK	S56-G6 Brand	.	33[T]	47.0	09/22	35	1.3	.	.	1.0
USG	75T18	.	35	45.3	09/07	31	2.3	.	.	1.0
Average		62.9		52.7 [5]	09/20	37	2.2	.	.	1.0
LSD at 10% Level		7.9		6.8	-	3	0.7			-
Std. Err. of Entry Mean		2.9		2.9	-	1	0.1			-

Midville, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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	NC Roy	**66.6**	8	50.8	09/24	39	2.7	.	.	1.7
UGA	G05-1102RR	**65.2**	17	43.9	09/26	46	2.0	.	.	1.7
AgSouth	AGS606RR	**64.7**	12[T]	48.6	09/17	37	2.0	.	.	2.3
USG	620nRR	**63.8**	13	48.1	09/18	47	3.0	.	.	2.0
SS	RT6207N	**62.7**	2[T]	**55.5**	09/22	41	2.0	.	.	1.3
AR	R01-327	**60.9**	9	50.6	09/20	41	1.7	.	.	2.0
Public Variety	Desha	**60.9**	16	46.3	09/26	43	2.3	.	.	2.0
Progeny	P6208RR	**59.9**	22	42.5	09/28	41	1.7	.	.	2.7
SS	RT6451N	**58.7**	26	36.9	09/28	47	2.3	.	.	1.7
SS	RT6988N	**56.6**	15	47.2	09/28	41	2.3	.	.	2.3
Public Variety	Musen	**56.3**	27	36.3	10/06	45	3.7	.	.	1.0
USG	76U40	.	1	**59.0**	09/27	41	2.0	.	.	1.0
AR	R04-342	.	2[T]	**55.5**	09/30	38	1.7	.	.	2.0
AR	R03-1250	.	3	**53.5**	09/18	41	2.3	.	.	1.0
SS	SS LL601N	.	4	**53.3**	09/15	37	2.3	.	.	2.3
AR	R04-522	.	5	**52.6**	09/18	36	3.0	.	.	1.3
UGA	G06-2460RR	.	6	51.4	09/19	41	1.7	.	.	1.0
Asgrow	AG6031	.	7	51.3	09/15	40	1.3	.	.	3.0
Dyna-Gro	V61N9RR	.	10	50.1	09/20	41	2.3	.	.	1.3
Asgrow	AG6730	.	11[T]	49.5	09/16	40	1.7	.	.	1.7
Progeny	P6710RY[c]	.	11[T]	49.5	10/04	43	2.3	.	.	1.3
Croplan Genetics	RC6298	.	12[T]	48.6	09/27	41	2.0	.	.	1.3
Asgrow	AG6130	.	14	47.4	09/19	46	2.0	.	.	1.0
USG	76S90R[a]	.	18	43.8	09/29	44	2.3	.	.	1.7
NK	S61-Q2 Brand	.	19	43.0	10/03	43	2.7	.	.	1.7
Asgrow	AG6931	.	20	42.9	10/06	46	2.0	.	.	1.0
Dyna-Gro	34F67	.	21	42.8	09/01	52	4.0	.	.	2.3
SS	SS 6810NR2[q]	.	23	42.4	10/02	45	2.3	.	.	1.0
Dyna-Gro	36RY68	.	24	40.8	09/29	43	2.0	.	.	1.0
Croplan Genetics	XR268[c]	.	25	40.7	10/02	44	2.3	.	.	1.0
Average		61.5		47.5[6]	09/24	42	2.3	.	.	1.6
LSD at 10% Level		N.S.[7]		6.6	01	5	1.0			0.7
Std. Err. of Entry Mean		2.6		2.8	01	2	0.4			0.3

Midville, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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										
SS	RT7270N	**66.9**	4	48.2	10/10	45	2.7	.	.	1.3
UGA	G05-1200RR	**65.1**	3	**50.3**	10/05	42	1.7	.	.	1.3
Progeny	P7208RR	**61.8**	6	46.8	10/05	44	2.0	.	.	1.7
UGA	G04-2215RR	**61.7**	20	40.9	10/10	41	2.0	.	.	1.0
AgSouth	AGS Woodruff	**61.5**	32[T]	31.7	10/10	47	2.0	.	.	1.0
Dyna-Gro	35K73	**61.0**	11	43.9	10/05	48	3.0	.	.	1.3
USG	77U28	**60.3**	7	46.7	10/07	44	2.7	.	.	2.0
Dyna-Gro	V76N9RR	**58.9**	8	45.8	10/13	44	3.0	.	.	1.7
Public Variety	NC Raleigh	**58.3**	18	41.1	10/15	41	3.0	.	.	1.3
USG	7732nRR	**58.1**	27	37.1	10/12	44	3.3	.	.	1.0
Pioneer	97M50	**57.7**	15	42.0	10/10	43	3.3	.	.	1.3
UGA	G03-1187RR	57.1	23	39.6	10/08	47	2.0	.	.	1.0
UGA	G04-1618RR	55.9	21	40.2	10/17	40	3.3	.	.	1.0
UGA	G05-4237RR	55.1	30	34.0	10/17	45	1.7	.	.	1.0
UGA	G05-3758RR	55.0	31	32.6	10/17	48	1.7	.	.	1.0
Public Variety	Santee	54.9	16	41.9	10/11	48	2.3	.	.	1.0
AgSouth	AGS Benning	54.6	26[T]	37.4	10/07	42	3.0	.	.	1.0
UGA	G04-2414RR	54.3	29	34.4	10/13	49	2.0	.	.	1.3
UGA	G05-1209RR	52.6	34	30.8	10/10	49	2.7	.	.	1.0
AgSouth	AGS 758RR	52.5	28	36.7	10/11	41	2.7	.	.	1.0
Public Variety	Motte	52.3	19	41.0	10/14	42	2.7	.	.	1.0
SS	RT7999N	52.3	26[T]	37.4	10/15	48	2.3	.	.	1.0
SC	SC02-208RR	51.6	33	31.0	10/12	50	1.7	.	.	1.3
AgSouth	AGS 747RR	51.0	32[T]	31.7	10/17	53	1.0	.	.	1.0
UGA	G05-2468RR	46.5	38	26.7	10/12	43	2.3	.	.	1.3
AgSouth	AGS Prichard RR	43.5	39	25.5	10/18	45	3.0	.	.	1.0
SS	SS 7310NR2[a]	.	1	**55.7**	10/08	42	2.7	.	.	1.3
Progeny	P7310RY[c]	.	2	**53.9**	10/07	41	2.0	.	.	1.0
USG	77S40R[a]	.	5	47.3	10/07	41	2.3	.	.	1.0
Croplan Genetics	XR273[c]	.	9	45.5	10/04	44	2.0	.	.	1.0
NK	S78-G6 Brand	.	10	45.0	10/12	48	2.3	.	.	1.0
UGA	G06-2957RR	.	12	43.2	10/09	43	2.7	.	.	2.0
Asgrow	AG7231	.	13	43.1	10/10	43	1.3	.	.	1.0
Croplan Genetics	RC7355	.	14	42.3	10/12	44	1.3	.	.	1.0
UGA	G06-3182RR	.	17	41.8	10/07	39	3.7	.	.	1.3
UGA	G06-5287RR	.	22	39.9	10/05	45	1.7	.	.	1.3
NK	S79-B9 Brand	.	24	39.4	10/14	49	3.0	.	.	1.0
SC	SC03-062	.	25	38.6	10/17	43	3.0	.	.	1.0
UGA	G06-2507RR	.	35	28.3	10/07	45	1.3	.	.	1.0
SC	SC01-803	.	36	28.1	10/13	50	1.3	.	.	2.0
UGA	G07-1185RR	.	37	26.9	10/11	47	3.0	.	.	1.0
Average		56.2		39.4 [8]	10/11	45	2.4	.	.	1.2
LSD at 10% Level		9.3		6.5	02	4	0.9			0.4
Std. Err. of Entry Mean		2.6		2.8	01	1	0.4			0.2

Midville, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

* 2009-2010.

[a] Seed treated with Acceleron systemic material.

[c] Seed treated with Cruiser Max systemic material.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 9.6% and df for EMS = 88.
6. CV = 10.2% and df for EMS = 58.
7. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
8. CV = 12.1% and df for EMS = 80.

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 18, 2010
Harvested:	Maturity Group V - October 13, 2010. Maturity Groups VI, VII and VIII - November 11, 2010.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Tifton loamy sand.
Soil Test:	P = Medium, K = High, and pH = 6.8.
Fertilization:	18 lb N, 46 lb P_2O_5, and 60 lb K_2O/acre. Over the top 0.5 lb Boron with Dimilin/acre.
Previous Crop:	Cotton.
Management:	Bedded and field conditioned; Acumen, Gramoxone, Valor and Prefix used for weed control; Lorsban, Steward, Dimilin, Intrepid, and Mustang Max used for insect control; Telone II used for nematode control; irrigated 6 inches.

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

Griffin, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield	2010 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										
AR	R04-357	**64.0**	1	**66.4**	09/27	29	1.0	14.2	1.5	1.0
Public Variety	Osage	**57.6**	9	53.5	09/22	28	1.0	13.7	1.5	1.0
Progeny	P5706RR	**57.1**	26[T]	47.8	09/30	32	1.0	13.7	1.2	1.0
Pioneer	95Y70	**56.7**	26[T]	47.8	09/29	37	1.0	13.3	1.3	1.0
Progeny	P5650RR	**56.4**	24	48.3	09/27	35	1.0	13.2	1.3	1.0
Pioneer	95Y20	**56.1**	2	57.0	09/23	29	1.0	13.9	1.5	1.0
Terral	TV55R15	**56.0**	8	53.6	09/28	35	1.0	16.6	1.3	1.0
SS	RT5951N	**55.9**	13[T]	52.4	09/26	35	1.0	16.8	1.0	1.0
Dyna-Gro	33X55	**55.2**	25	48.1	09/29	30	1.0	15.1	1.2	1.0
SS	LL511N	**55.0**	12	52.6	09/26	27	1.0	14.7	1.7	1.0
Dyna-Gro	33C59	**54.5**	28[T]	47.2	09/29	33	1.0	16.2	1.3	1.0
USG	75Z98	**54.4**	18[T]	51.5	09/30	32	1.0	16.3	1.2	1.0
AgSouth	AGS 568RR	**53.6**	10	53.4	09/30	31	1.0	15.3	1.2	1.0
SS	LL595N	**53.6**	39	40.7	09/27	31	1.0	13.7	1.5	1.0
USG	Allen	**51.4**	19	51.3	10/01	38	1.0	15.3	1.5	1.0
SS	RT5160N	**50.6**	32	45.4	09/23	33	1.2	14.0	1.2	1.0
Progeny	P5622RR	**50.2**	17	51.6	09/30	36	1.0	15.0	1.3	1.0
Dyna-Gro	35F55	**49.6**	38[T]	42.6	09/28	35	1.0	16.3	1.5	1.0
Dyna-Gro	32B57	**49.5**	38[T]	42.6	09/30	32	1.0	18.0	1.2	1.0
SS	RT5960N	**46.8**	29	46.8	10/03	34	1.0	17.0	1.7	1.0
SS	RT5471N	**46.8**	37	43.4	09/23	32	1.3	14.5	1.5	1.0
SS	RT5760N	**46.4**	40	40.4	10/02	33	1.2	15.2	1.8	1.0
Terral	TV54R28	**45.3**	28[T]	47.2	09/21	32	1.0	16.3	1.5	1.0
NC	NCC02-20578	.	3	56.2	09/25	24	1.0	15.5	1.2	1.0
AR	R06-4433	.	4	55.9	09/25	24	1.0	14.6	1.3	1.0
AR	R04-572	.	5	54.9	09/28	25	1.0	14.8	1.5	1.0
Croplan Genetics	XR258[c]	.	6	54.4	09/25	32	1.0	18.6	1.5	1.0
Terral-REV™	56R21™	.	7	53.7	09/26	34	1.0	13.7	1.5	1.0
Schillinger	557.RC	.	11	52.7	09/25	30	1.0	13.0	1.3	1.0
USG	74T98	.	13[T]	52.4	09/21	28	1.0	13.7	1.5	1.0
Public Variety	Lonoke	.	14	52.2	09/24	30	1.0	12.4	1.3	1.0
Terral-REV™	54R10™	.	15	52.1	09/25	33	1.0	14.5	1.5	1.0
AR	R02-3065	.	16	51.7	09/30	29	1.0	17.2	1.3	1.0
Asgrow	AG5831	.	18[T]	51.5	09/23	30	1.0	15.1	1.3	1.0
SS	SS 5810NR2[a]	.	20	50.8	09/23	33	1.0	17.8	1.5	1.0
Progeny	P5610RY[c]	.	21	50.0	09/23	33	1.0	17.6	1.2	1.0
Public Variety	Ozark	.	22	49.7	09/22	28	1.0	16.2	1.3	1.0
NC	NCC02-22219	.	23	48.5	09/23	28	1.0	15.8	1.2	1.0
USG	75T18	.	27	47.6	09/20	29	1.0	14.1	1.5	1.0
Terral-REV™	57R21™	.	30	46.1	09/24	38	1.0	13.3	1.5	1.0
Terral-REV™	54R21™	.	31	45.9	09/24	29	1.0	14.4	1.5	1.0
NK	S56-G6 Brand	.	33	44.9	10/03	28	1.0	15.8	1.2	1.0
Terral	TV55R20	.	34	44.6	09/27	34	1.0	16.6	1.5	1.0
Croplan Genetics	RC4998	.	35	44.0	09/26	43	1.0	15.1	2.2	1.0
Terral-REV™	55R21™	.	36	43.5	10/01	33	1.0	14.6	1.5	1.0
Average		53.2		49.7 [5]	09/26	32	1.0	15.2	1.4	1.0
LSD at 10% Level		N.S.[6]		9.1	03	3	0.1	1.4	0.3	-
Std. Err. of Entry Mean		2.6		3.9	01	1	0.1	0.9	0.1	-

Griffin, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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										
AR	R01-327	**64.7**	5	62.8	10/02	33	1.0	16.6	1.0	1.0
USG	620nRR	**64.0**	3[T]	63.4	10/03	38	1.0	15.3	1.5	1.0
AgSouth	AGS606RR	**62.1**	17[T]	57.1	09/30	32	1.0	15.6	1.2	1.0
UGA	G05-1102RR	**60.7**	21[T]	53.9	10/09	34	1.0	12.4	1.0	1.0
Public Variety	NC Roy	**60.6**	13	60.8	10/11	33	1.0	12.2	1.0	1.0
SS	RT6207N	**56.9**	14[T]	60.1	10/01	32	1.0	11.8	1.3	1.0
Public Variety	Desha	**56.8**	18	56.5	10/03	36	1.0	15.6	1.0	1.0
Public Variety	Musen	**55.7**	19	55.3	10/16	39	1.0	11.2	1.5	1.0
SS	RT6988N	**55.6**	17[T]	57.1	10/10	36	1.0	14.0	1.3	1.0
SS	RT6451N	**52.5**	25	47.5	10/04	35	1.0	11.1	1.5	1.0
Progeny	P6208RR	**51.4**	20	55.1	10/03	38	1.0	16.6	1.5	1.0
USG	76U40	.	1	**74.3**	10/07	32	1.0	14.9	1.0	1.0
Asgrow	AG6730	.	2	63.6	10/09	37	1.0	14.1	1.5	1.0
USG	76S90R[a]	.	3[T]	63.4	10/12	36	1.0	13.4	1.5	1.0
Dyna-Gro	36RY68	.	4	62.9	10/14	41	1.0	13.4	1.5	1.0
Asgrow	AG6931	.	6	62.7	10/15	39	1.0	15.3	1.7	1.0
Asgrow	AG6130	.	7	62.5	10/05	38	1.0	13.2	1.5	1.0
SS	SS 6810NR2[a]	.	8	62.0	10/14	38	1.0	13.5	1.5	1.0
Dyna-Gro	V61N9RR	.	9	61.4	10/06	33	1.0	15.3	1.0	1.0
Croplan Genetics	XR268[c]	.	10	61.2	10/13	39	1.0	13.0	1.3	1.0
Croplan Genetics	RC6298	.	11	61.1	10/05	33	1.0	14.8	1.0	1.0
Asgrow	AG6031	.	12	60.9	09/23	35	1.0	18.1	1.0	1.0
Progeny	P6710RY[c]	.	14[T]	60.1	10/14	38	1.0	12.8	1.5	1.0
AR	R04-342	.	15[T]	57.6	09/23	29	1.0	15.7	1.3	1.0
AR	R03-1250	.	15[T]	57.6	09/26	29	1.0	15.5	1.2	1.0
UGA	G06-2460RR	.	16	57.4	10/02	33	1.0	12.9	1.2	1.0
NK	S61-Q2 Brand	.	21[T]	53.9	09/28	37	1.0	14.6	1.2	1.0
SS	SS LL601N	.	22	53.8	09/21	31	1.0	14.4	1.3	1.0
Dyna-Gro	34F67	.	23	52.8	09/14	43	1.0	13.9	1.5	1.2
AR	R04-522	.	24	52.3	09/26	26	1.0	12.3	1.2	1.0
Average		58.3		59.0[7]	10/04	35	1.0	14.1	1.3	1.0
LSD at 10% Level		N.S.		6.8	02	N.S.	-	0.9	N.S.	-
Std. Err. of Entry Mean		2.1		2.9	01	1	-	0.4	0.1	-

Griffin, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

* 2009-2010.

[a] Seed treated with Acceleron systemic material.

[c] Seed treated with Cruiser Max systemic material.

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 = 13.6% and df for EMS = 88.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 8.4% and df for EMS = 58.

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 12, 2010.
Harvested:	Maturity Group V - October 13, 2010. Maturity Group VI - October 21, 2010.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Cecil sandy clay loam.
Soil Test:	P = Medium, K = High, and pH = 5.7.
Fertilization:	30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Wheat.
Management:	Chisel plowed, disked and rototilled; Lasso, Roundup, Poast and one cultivation used for weed control; irrigated 6 inches.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2010, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield	2010 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group VII and VIII										
USG	7732nRR	**54.7**	3	**57.6**	10/31	38	1.7	16.7	1.2	1.0
Pioneer	97M50	**53.2**	6[T]	**54.6**	10/30	30	1.0	13.2	1.2	1.0
Progeny	P7208RR	**52.8**	2	**57.7**	10/30	33	1.2	14.5	1.3	1.3
AgSouth	AGS Woodruff	**50.4**	14	47.0	10/31	32	1.3	15.7	1.2	1.0
UGA	G05-4237RR	**49.7**	8[T]	**51.5**	10/29	34	1.0	15.1	1.2	1.0
UGA	G04-2215RR	**49.5**	18	45.7	10/31	25	1.0	12.3	1.7	1.0
Dyna-Gro	35K73	**49.3**	7	**52.8**	10/29	31	1.0	14.4	1.7	1.0
Dyna-Gro	V76N9RR	**49.0**	26[T]	39.7	11/09	35	1.0	13.8	1.7	1.2
UGA	G05-3758RR	**48.9**	9	**49.2**	11/02	30	1.0	12.5	1.3	1.0
UGA	G04-1618RR	**48.4**	11	**48.2**	10/26	32	1.5	13.2	1.2	1.0
UGA	G05-1209RR	**48.4**	12[T]	**47.9**	10/28	37	1.0	13.7	1.3	1.0
Public Variety	Motte	**47.2**	6[T]	**54.6**	10/26	36	2.0	14.9	1.2	1.0
SS	RT7270N	**46.6**	24	41.4	10/30	32	1.0	11.9	1.2	1.0
UGA	G05-1200RR	**46.6**	30	38.1	11/07	29	1.0	12.3	1.7	1.2
UGA	G04-2414RR	**46.2**	21	42.8	11/01	31	1.0	12.2	1.3	1.0
AgSouth	AGS 758RR	**46.1**	20[T]	43.3	10/30	27	1.0	12.6	1.2	1.0
UGA	G03-1187RR	**45.4**	27	39.1	11/07	30	1.0	14.2	1.8	1.0
USG	77U28	**45.2**	23	41.5	10/30	34	1.0	15.1	1.5	1.0
AgSouth	AGS Prichard RR	**43.9**	29	38.2	11/10	35	1.5	13.2	1.3	1.0
SC	SC02-208RR	**43.9**	31	37.1	11/08	29	1.0	13.4	1.8	1.0
Public Variety	NC Raleigh	**43.0**	13	47.5	10/30	34	1.7	14.1	1.3	1.5
UGA	G05-2468RR	**42.6**	28[T]	38.9	11/01	30	1.0	14.3	1.8	1.0
Public Variety	Santee	**41.6**	20[T]	43.3	10/30	36	1.5	14.2	1.3	1.0
SS	RT7999N	**41.4**	33	35.0	11/07	28	1.0	14.5	1.3	1.0
AgSouth	AGS Benning	**40.8**	22	42.7	10/25	29	1.0	15.5	1.7	1.0
AgSouth	AGS 747RR	**38.9**	34	34.1	11/04	29	1.0	16.3	1.7	1.2
UGA	G06-2507RR	.	1	**58.7**	11/02	30	1.0	14.8	1.2	1.0
Progeny	P7310RY[c]	.	4	**57.5**	10/29	28	1.0	16.5	1.7	1.0
SS	SS 7310NR2[a]	.	5	**56.0**	10/23	29	1.0	16.0	1.2	1.0
SC	SC03-062	.	8[T]	**51.5**	11/08	29	1.0	13.8	1.8	1.2
NK	S78-G6 Brand	.	10	**49.0**	10/30	35	1.0	16.7	1.7	1.0
UGA	G07-1185RR	.	12[T]	**47.9**	11/07	33	1.0	13.0	1.3	1.0
SC	SC01-803	.	15	46.4	11/01	30	1.0	15.1	1.5	1.0
NK	S79-B9 Brand	.	16	45.9	10/26	40	1.0	13.9	1.2	1.0
Asgrow	AG7231	.	17	45.8	11/05	32	1.0	16.4	1.8	1.0
USG	77S40R[a]	.	19	44.7	11/03	26	1.0	16.4	2.0	1.0
Croplan Genetics	RC7355	.	25	39.8	11/06	27	1.0	13.3	1.7	1.0
UGA	G06-2957RR	.	26[T]	39.7	10/24	31	1.0	12.8	1.3	1.0
UGA	G06-3182RR	.	28[T]	38.9	10/29	27	1.0	12.0	1.3	1.0
UGA	G06-5287RR	.	32	36.6	10/31	29	1.0	13.4	1.8	1.0
Croplan Genetics	XR273[c]	.	35	33.3	11/03	25	1.0	16.6	1.7	1.0
Average		46.7		45.4 [5]	11/01	31	1.1	14.3	1.5	1.0
LSD at 10% Level		N,S.[6]		11.1	08	4	0.4	0.8	0.4	0.2
Std. Err. of Entry Mean		2.5		4.7	03	2	0.2	0.4	0.2	0.1

Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

* 2009-2010.

[a] Seed treated with Acceleron systemic material.

[c] Seed treated with Cruiser Max systemic material.

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 = 18.0% and df for EMS = 80.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted:	June 23, 2010.
Harvested:	November 23, 2010.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Cecil sandy clay loam.
Soil Test:	P = High, K = High, and pH = 6.3.
Fertilization:	30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre.
Previous Crop:	Wheat.
Management:	Chisel plowed, disked and rototilled; Lasso, Roundup and Poast used for weed control; irrigated 5 inches.

Test conducted by J. Gassett and G. Ware.

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield	2010 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									
Dyna-Gro	33X55	**65.5**	1	**61.4**	09/24	32	1.7	14.3	1.7
AgSouth	AGS 568RR	**65.2**	6[T]	**58.3**	09/24	33	1.3	14.2	2.0
Pioneer	95Y20	**65.2**	7	**57.6**	09/21	26	1.0	12.9	3.0
Progeny	P5622RR	**64.7**	2	**60.3**	09/25	35	2.0	12.8	2.7
Dyna-Gro	32B57	**64.5**	3	**59.7**	09/26	33	1.3	17.3	2.0
AR	R04-357	**64.2**	8	**57.1**	09/21	28	1.0	13.1	3.3
Progeny	P5650RR	**64.1**	15[T]	54.5	09/30	29	2.3	11.0	2.2
Terral	TV54R28	**62.2**	22[T]	51.9	09/19	32	1.0	15.0	1.7
Terral	TV55R15	**61.9**	28	50.5	09/22	35	1.3	13.7	2.3
Pioneer	95Y70	**61.9**	30	50.2	09/26	32	2.3	12.2	2.0
SS	RT5951N	**61.2**	10	**56.4**	09/21	30	1.7	14.4	2.3
SS	RT5160N	**60.8**	5	**59.1**	09/20	33	2.3	14.0	2.3
SS	LL595N	**60.6**	23[T]	51.2	09/25	32	1.0	12.8	2.3
SS	RT5760N	**60.0**	9	**56.9**	09/28	34	1.3	14.1	1.7
SS	LL511N	**59.6**	14	**54.6**	09/20	27	1.0	13.6	2.2
Public Variety	Osage	**59.5**	19	52.8	09/22	27	1.0	11.3	2.3
Dyna-Gro	33C59	**59.1**	34	45.9	09/24	31	1.7	14.7	2.7
Progeny	P5706RR	**58.8**	6[T]	**58.3**	09/29	29	2.0	13.3	2.2
SS	RT5960N	**58.5**	24	51.1	09/27	34	1.7	14.6	2.0
SS	RT5471N	**58.4**	12	**55.7**	09/21	35	1.3	12.7	2.0
USG	75Z98	**57.6**	32	48.3	09/24	33	1.3	15.1	2.2
USG	Allen	**56.8**	35	45.0	10/01	37	1.0	14.0	1.8
Dyna-Gro	35F55	**50.8**	37	42.7	09/23	34	1.7	15.3	2.5
AR	R02-3065	.	4	**59.6**	09/28	29	1.0	16.9	2.0
USG	75T18	.	11[T]	**56.3**	09/17	27	1.0	13.1	2.3
Terral-REV™	54R21™	.	11[T]	**56.3**	09/20	31	1.0	14.6	2.2
USG	74T98	.	13	**55.5**	09/22	27	1.0	12.3	2.5
Croplan Genetics	XR258[c]	.	15[T]	54.5	09/26	33	1.0	17.9	2.2
Public Variety	Ozark	.	15[T]	54.5	09/20	29	1.0	16.1	2.8
Terral-REV™	55R21™	.	16	54.0	09/25	36	1.3	13.5	2.2
NK	S56-G6 Brand	.	17	53.4	09/27	28	1.0	13.9	1.7
Schillinger	557.RC	.	18	53.0	09/20	31	1.0	13.4	2.7
SS	SS 5810NR2[a]	.	20	52.6	09/25	36	1.0	18.7	2.2
Progeny	P5610RY[c]	.	21	52.5	09/23	35	1.0	18.4	2.2
AR	R06-4433	.	22[T]	51.9	09/25	28	1.0	14.4	2.0
Asgrow	AG5831	.	23[T]	51.2	09/20	28	1.0	14.9	2.7
Public Variety	Lonoke	.	25	51.0	09/21	30	2.0	11.9	1.7
Croplan Genetics	RC4998	.	26	50.8	09/28	52	2.3	15.5	2.5
Terral-REV™	57R21™	.	27	50.6	09/23	37	2.0	13.9	3.0
NC	NCC02-20578	.	29[T]	50.4	09/21	21	1.0	14.7	2.2
Terral-REV™	54R10™	.	29[T]	50.4	09/20	34	1.0	13.2	2.0
NC	NCC02-22219	.	31	49.4	09/21	32	1.0	16.0	2.2
Terral-REV™	56R21™	.	33	48.0	09/20	33	2.0	13.2	2.8
AR	R04-572	.	36	43.7	09/30	28	1.0	13.6	1.8
Terral	TV55R20	.	38	38.5	09/20	31	2.7	13.4	2.0
Average		60.9		52.8[4]	09/23	32	1.4	14.2	2.2
LSD at 10% Level		N.S.[5]		6.8	03	3	0.6	1.1	0.6
Std. Err. of Entry Mean		2.6		2.9	01	1	0.3	0.5	0.2

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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									
SS	RT6207N	**53.9**	6	**55.9**	10/02	29	1.0	12.0	1.5
AR	R01-327	**52.1**	10	**55.0**	10/05	31	1.0	16.4	1.5
UGA	G05-1102RR	**51.5**	8	**55.3**	10/09	34	1.0	11.7	1.7
USG	620nRR	**51.2**	7[T]	**55.5**	10/03	32	1.7	12.9	1.7
SS	RT6451N	**50.9**	12	53.4	10/09	39	1.3	11.3	1.7
AgSouth	AGS606RR	**49.9**	4	**57.1**	10/01	27	1.0	15.0	1.7
Progeny	P6208RR	**47.5**	17	52.2	10/03	35	1.0	14.7	1.5
Public Variety	NC Roy	**47.1**	15	52.9	10/13	33	1.7	10.9	1.5
Public Variety	Desha	**45.3**	26	46.6	10/07	33	1.0	14.6	1.8
Public Variety	Musen	**45.0**	28	41.9	10/16	40	1.7	10.9	1.7
SS	RT6988N	**44.6**	29	41.5	10/12	35	1.0	13.0	1.5
AR	R04-522	.	1	**60.4**	09/24	24	1.0	11.3	1.7
AR	R03-1250	.	2	**59.7**	09/26	26	1.0	16.7	1.5
AR	R04-342	.	3	**57.4**	09/26	27	1.0	16.6	1.8
USG	76U40	.	5	**56.7**	10/06	29	1.0	13.5	1.7
Asgrow	AG6031	.	7[T]	**55.5**	09/24	29	1.0	18.3	1.5
UGA	G06-2460RR	.	9	**55.1**	10/02	29	1.0	12.4	1.5
Dyna-Gro	V61N9RR	.	11	54.1	10/05	28	1.0	14.3	1.5
Croplan Genetics	XR268[c]	.	13	53.3	10/18	35	1.0	12.7	1.7
Asgrow	AG6931	.	14	53.1	10/19	38	1.3	15.6	1.5
Dyna-Gro	34F67	.	16	52.7	09/17	42	1.7	14.9	1.7
NK	S61-Q2 Brand	.	18	52.0	10/01	32	1.0	14.7	1.5
Croplan Genetics	RC6298	.	19	51.9	10/06	31	1.0	13.4	1.8
SS	SS LL601N	.	20	51.5	09/21	28	1.0	15.3	1.8
Dyna-Gro	36RY68	.	21	50.7	10/17	36	1.0	13.0	1.5
USG	76S90R[a]	.	22	50.0	10/16	34	1.0	11.8	1.7
Progeny	P6710RY[c]	.	23	49.7	10/17	39	1.0	12.7	1.7
SS	SS 6810NR2[a]	.	24	49.1	10/16	35	1.0	12.7	1.5
Asgrow	AG6130	.	25	46.7	10/09	36	1.0	12.1	1.5
Asgrow	AG6730	.	27	43.8	10/13	32	1.0	11.4	1.5
Average		49.0		52.4 [6]	10/06	33	1.1	13.6	1.6
LSD at 10% Level		N.S.		5.5	02	4	0.4	1.0	N.S.
Std. Err. of Entry Mean		1.7		2.3	01	2	0.2	0.4	0.1

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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									
SS	RT7270N	**58.6**	11[T]	**56.4**	10/19	39	1.0	11.2	1.5
UGA	G04-2414RR	**57.9**	2	**59.7**	10/23	39	1.3	10.7	1.7
UGA	G04-1618RR	**57.9**	16	**55.4**	10/18	37	1.7	10.6	1.7
UGA	G04-2215RR	**57.3**	3	**58.9**	10/20	33	1.3	10.1	1.5
UGA	G05-1209RR	**57.2**	8	**56.8**	10/21	44	1.0	11.6	1.5
AgSouth	AGS Woodruff	**56.9**	12	**56.3**	10/22	36	2.7	13.7	1.5
UGA	G05-3758RR	**55.3**	11[T]	**56.4**	10/25	41	1.7	12.2	1.5
UGA	G05-1200RR	**54.6**	7	**57.0**	10/16	30	1.0	11.5	1.5
UGA	G03-1187RR	**54.3**	15	**55.6**	10/20	39	1.3	12.2	1.7
UGA	G05-4237RR	**54.3**	17	**55.1**	10/25	38	1.3	13.3	1.5
Dyna-Gro	V76N9RR	**54.3**	30	50.2	10/21	39	1.7	11.1	1.5
SC	SC02-208RR	**54.2**	9	**56.7**	10/21	38	1.0	12.1	1.7
Dyna-Gro	35K73	**53.9**	6	**57.1**	10/15	42	2.0	13.6	1.5
AgSouth	AGS Benning	52.7	25	51.8	10/20	36	1.0	13.1	1.7
USG	77U28	52.7	31	50.0	10/14	36	1.0	13.2	1.7
AgSouth	AGS Prichard RR	52.3	26	51.3	10/25	42	2.3	13.0	1.5
UGA	G05-2468RR	51.8	20	**53.6**	10/21	36	1.0	11.0	1.7
Public Variety	Motte	51.6	27[T]	50.9	10/24	40	1.7	12.9	1.8
Public Variety	Santee	51.4	21	52.9	10/18	41	1.7	12.7	1.7
Public Variety	NC Raleigh	51.4	23	52.1	10/22	32	1.0	12.0	1.5
Progeny	P7208RR	51.1	28	50.5	10/14	35	1.0	13.3	1.5
USG	7732nRR	51.0	32	49.6	10/21	40	2.0	13.7	1.7
SS	RT7999N	50.6	33	49.0	10/23	40	1.3	12.5	1.5
AgSouth	AGS 758RR	50.0	34	48.3	10/16	35	1.3	10.8	1.5
Pioneer	97M50	49.0	37	45.6	10/16	38	1.3	11.4	1.5
USG	77S40R[a]	.	1	**60.6**	10/16	36	1.3	14.6	1.5
SS	SS 7310NR2[a]	.	4	**58.4**	10/15	36	1.0	14.7	1.8
Progeny	P7310RY[c]	.	5	**58.3**	10/14	36	1.0	13.0	2.0
UGA	G07-1185RR	.	10	**56.5**	10/25	39	1.0	11.8	1.5
Asgrow	AG7231	.	11[T]	**56.4**	10/20	36	1.0	14.1	1.5
NK	S79-B9 Brand	.	13	**56.2**	10/22	45	1.7	15.4	1.7
UGA	G06-2507RR	.	14	**55.7**	10/22	39	1.0	11.6	1.5
UGA	G06-5287RR	.	18	**54.3**	10/16	36	1.0	10.3	1.5
Croplan Genetics	XR273[c]	.	19	**54.2**	10/15	33	1.0	13.2	1.5
NK	S78-G6 Brand	.	22	52.6	10/17	38	1.3	15.1	1.5
UGA	G06-3182RR	.	24	51.9	10/14	33	1.0	9.9	1.5
SC	SC01-803	.	27[T]	50.9	10/20	40	1.0	13.1	1.5
UGA	G06-2957RR	.	29	50.4	10/14	35	1.7	10.1	1.5
SC	SC03-062	.	35	46.9	10/26	36	1.3	12.8	1.7
Croplan Genetics	RC7355	.	36	46.8	10/19	30	1.0	11.3	1.5
Average		53.7		53.7 [7]	10/19	37	1.3	12.4	1.6
LSD at 10% Level		4.8		7.2	02	3	0.5	N.S.	0.2
Std. Err. of Entry Mean		1.9		3.1	01	1	0.2	0.5	0.1

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

* 2009-2010.

[a] Seed treated with Acceleron systemic material.

[c] Seed treated with Cruiser Max systemic material.

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 = 9.4% and df for EMS = 88.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
6. CV = 7.7% and df for EMS = 58.
7. CV = 9.9% and df for EMS = 78.

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, 2010.
Harvested:	Maturity Group V - October 6, 2010. Maturity Group VI - October 22, 2010. Maturity Groups VII and VIII - November 1, 2010.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Maturity Group V - Cecil coarse sandy loam. Maturity Groups VI, VII and VIII - .Appling loamy coarse sand.
Soil Test:	Maturity Group V -P = Medium, K = High, and pH = 6.5. Maturity Groups VI, VII and VIII -P = Medium, K = Low, and pH = 6.0.
Fertilization:	10 lb N, 52 lb P_2O_5, and 105 lb K_2O/acre.
Previous Crop:	Maturity Group V - Sunflower and Wheat. Maturity Groups VI, VII and VIII - .Wheat and Fallow
Management:	Chiseled and disked; First Rate, Dual Magnum, Clasic, Fusilade-DX and one cultivation used for weed control; Lorsban, Karate and Endigo used for insect control; Telone II used for nematode control; irrigated 3 inches.

Test conducted by E. D. Wood, G. B. Rowan, S. L. Finnerty, W. E. Baxter, H. B. Chambers, C. T. Collins, J. J. Yeomans and R. B. Baerne.

Calhoun, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield	2010 Data							
			Rank	Yield[1]	Maturity	Plant Ht	Lodg.[2]	Wt of 100 Seed	Seed Quality[3]	Shatt.[4]
		bu/acre		bu/acre	date	in	rating	gm	rating	rating
Maturity Group V										
SS	RT5760N	**56.3**	21	36.3	09/24	33	1.0	12.0	1.5	1.0
Public Variety	Osage	**54.8**	5	**42.8**	09/21	30	1.0	10.5	1.5	1.3
SS	RT5160N	**53.6**	9	**41.3**	09/19	33	1.0	12.0	1.5	1.5
USG	75Z98	**52.6**	37	29.5	09/26	33	1.0	13.0	1.5	1.0
Pioneer	95Y20	**52.5**	4	**43.5**	09/19	29	1.0	11.4	1.3	1.0
SS	LL511N	**51.5**	18	37.0	09/17	27	1.0	10.6	1.5	1.5
Dyna-Gro	33X55	**51.2**	17	37.2	09/24	35	1.0	11.2	1.3	1.2
Terral	TV54R28	**50.7**	11[T]	**40.1**	09/20	35	1.0	13.0	1.3	1.0
Progeny	P5706RR	**50.4**	13	**39.1**	09/24	34	1.0	10.4	1.5	1.0
Terral	TV55R15	**50.1**	20[T]	36.7	09/23	40	1.0	12.5	1.7	1.0
SS	RT5960N	**50.1**	31	32.2	09/26	29	1.0	13.0	2.0	1.0
Dyna-Gro	35F55	**49.7**	20[T]	36.7	09/25	36	1.0	13.0	1.7	1.3
USG	Allen	**48.9**	12	**39.8**	09/24	38	1.0	10.4	1.5	1.0
AgSouth	AGS 568RR	**48.8**	22	35.8	09/22	37	1.0	11.3	1.0	1.0
Pioneer	95Y70	**47.4**	24	35.2	09/27	43	1.0	10.7	1.7	1.0
SS	RT5471N	**47.2**	35[T]	30.0	09/20	33	1.0	10.8	1.7	1.3
Dyna-Gro	33C59	**46.1**	29	32.5	09/27	32	1.0	13.8	1.7	1.0
SS	RT5951N	**46.0**	26	34.5	09/24	34	1.0	13.9	1.5	1.2
AR	R04-357	**45.1**	19[T]	36.8	09/19	31	1.0	10.7	1.5	1.0
Progeny	P5650RR	**44.7**	39	26.1	09/22	33	1.0	9.9	1.8	1.2
Progeny	P5622RR	**43.8**	16	37.7	09/24	33	1.0	12.3	1.7	1.0
Dyna-Gro	32B57	**42.8**	34	30.7	09/25	38	1.0	13.8	1.5	1.0
SS	LL595N	**41.0**	38	27.1	09/21	33	1.0	10.3	1.5	1.0
USG	74T98	.	1	**49.0**	09/18	28	1.0	11.0	1.3	1.2
Public Variety	Lonoke	.	2	**48.8**	09/21	28	1.0	9.9	1.3	1.0
AR	R06-4433	.	3	**43.8**	09/23	28	1.0	10.9	1.5	1.0
Croplan Genetics	XR258[c]	.	6	**42.7**	09/21	30	1.0	14.7	1.5	1.0
Public Variety	Ozark	.	7	**42.2**	09/21	34	1.0	13.5	1.3	1.0
SS	SS 5810NR2[a]	.	8	**42.1**	09/21	32	1.0	14.6	1.5	1.0
Terral-REV™	54R21™	.	10	**40.5**	09/16	31	1.0	12.4	1.5	1.0
USG	75T18	.	11[T]	**40.1**	09/16	28	1.0	11.0	1.8	1.0
Terral-REV™	54R10™	.	14	**39.0**	09/22	36	1.0	12.1	1.7	1.7
AR	R02-3065	.	15	**38.8**	09/28	33	1.0	14.6	1.5	1.0
Terral-REV™	57R21™	.	19[T]	36.8	09/20	42	1.0	11.1	1.7	1.0
Terral	TV55R20	.	23	35.3	09/24	34	1.0	12.7	1.7	1.0
Schillinger	557.RC	.	25[T]	34.9	09/19	28	1.0	11.4	1.7	1.3
NC	NCC02-22219	.	25[T]	34.9	09/19	29	1.0	14.2	1.7	1.0
Terral-REV™	56R21™	.	27	34.0	09/22	36	1.0	10.9	1.5	1.0
Progeny	P5610RY[c]	.	28	32.6	09/19	32	1.0	14.4	1.5	1.0
NK	S56-G6 Brand	.	30	32.3	09/26	30	1.0	11.7	1.5	1.0
Croplan Genetics	RC4998	.	32[T]	32.1	09/17	42	1.0	12.8	1.7	1.5
NC	NCC02-20578	.	32[T]	32.1	09/19	34	1.0	12.3	1.3	1.5
AR	R04-572	.	33	30.9	09/20	29	1.0	11.2	1.7	1.2
Terral-REV™	55R21™	.	35[T]	30.0	09/24	32	1.0	11.1	1.7	1.7
Asgrow	AG5831	.	36	29.8	09/19	28	1.0	11.6	1.5	1.0
Southland Seed	X-5401 LL	.	40	25.2	09/16	35	1.0	11.3	1.5	1.5
Average		48.9		36.2[5]	09/21	33	1.0	12.0	1.5	1.1
LSD at 10% Level		N.S.[6]		10.5	04	6	-	0.8	0.3	0.3
Std. Err. of Entry Mean		2.7		4.5	02	3	-	0.3	0.1	0.1

Calhoun, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2010 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										
SS	RT6207N	**50.9**	5	**47.8**	09/24	43	1.0	9.8	1.5	1.0
AgSouth	AGS606RR	**49.2**	3	**52.0**	09/26	39	1.0	14.7	1.5	1.0
AR	R01-327	**48.0**	9	43.9	09/27	39	1.0	14.1	1.5	1.0
USG	620nRR	**45.4**	11	42.2	09/29	44	2.3	11.5	1.5	1.0
Progeny	P6208RR	**44.3**	14	36.7	09/28	45	1.2	13.8	1.5	1.0
UGA	G05-1102RR	**44.1**	15	36.5	10/03	46	1.0	10.1	1.5	1.0
Public Variety	Desha	**41.4**	18	34.4	10/03	47	1.2	11.5	1.3	1.0
Public Variety	NC Roy	**41.1**	16	35.4	10/06	42	2.0	9.4	1.5	1.0
Public Variety	Musen	**37.9**	23	26.1	10/15	47	1.8	9.5	1.5	1.0
SS	RT6988N	**37.7**	21	29.8	09/28	51	1.0	10.2	1.5	1.0
SS	RT6451N	**36.5**	20	32.9	10/03	49	1.7	9.3	1.5	1.0
SS	SS LL601N	.	1	**54.6**	09/15	36	1.0	12.4	1.5	1.0
AR	R04-342	.	2	**53.3**	09/16	35	1.0	13.5	1.3	1.0
Asgrow	AG6031	.	4[T]	**49.5**	09/19	40	1.0	14.7	1.5	1.2
AR	R03-1250	.	4[T]	**49.5**	09/18	38	1.0	13.0	1.3	1.0
Dyna-Gro	34F67	.	6	**46.4**	09/15	54	2.0	12.1	1.7	1.7
UGA	G06-2460RR	.	7	45.4	09/27	38	1.0	10.7	1.5	1.0
AR	R04-522	.	8	45.2	09/20	37	1.0	11.9	1.3	1.0
Croplan Genetics	RC6298	.	10	43.5	10/02	45	1.2	12.0	1.5	1.0
Dyna-Gro	V61N9RR	.	12	41.3	10/01	41	1.2	13.5	1.5	1.0
USG	76U40	.	13	39.8	10/02	41	1.2	11.5	1.5	1.0
Dyna-Gro	36RY68	.	17	34.5	10/10	50	1.0	11.0	1.7	1.0
NK	S61-Q2 Brand	.	19	34.2	09/23	46	1.0	12.4	1.5	1.0
USG	76S90R[a]	.	22	27.8	10/10	47	1.2	10.7	1.5	1.0
Asgrow	AG6931	.	24	25.2	10/13	51	1.5	12.8	1.5	1.0
Asgrow	AG6130	.	25[T]	24.8	10/06	47	1.0	9.5	1.7	1.0
Asgrow	AG6730	.	25[T]	24.8	10/11	48	1.0	9.8	1.5	1.0
Croplan Genetics	XR268[c]	.	26	24.3	10/14	47	1.0	11.3	1.5	1.0
Progeny	P6710RY[c]	.	27	22.8	10/12	46	1.3	9.5	1.5	1.0
SS	SS 6810NR2[a]	.	28	18.2	10/10	48	1.0	10.0	1.5	1.0
Average		43.3		37.4 [7]	09/30	44	1.2	11.5	1.5	1.0
LSD at 10% Level		N.S.		8.6	04	4	0.4	1.5	N.S.	0.2
Std. Err. of Entry Mean		2.4		3.6	02	2	0.2	0.6	0.1	0.1

Calhoun, Georgia:
Early-Planted Soybean Variety Performance, 2010, Irrigated
(Continued)

* 2009-2010.

[a] Seed treated with Acceleron systemic material.

[c] Seed treated with Cruiser Max systemic material.

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 = 21.4% and df for EMS = 90.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 16.7% and df for EMS = 58.

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

Planted:	May 20, 2010.
Harvested:	Maturity Group V - October 18, 2010. Maturity Group VI - November 1, 2010.
Seeding Rate:	Eight seeds per foot in 30" rows.
Soil Type:	Waynesboro loam.
Soil Test:	P = High, K = High, and pH = 6.1.
Fertilization:	30 lb N, 75 lb P_2O_5, and 200 lb K_2O/acre.
Previous Crop:	Soybeans.
Management:	Moldboard plowed, disked and rototilled; Prowl, Select Max, Arrow, Basagran and two cultivations used for weed control; Lorsban 4e, Warrior, Endigo and Dimilin used for insect control; irrigated 2 inches.

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

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2010

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 568 RR	1.8	4.8	5.0	R	R
AgSouth	AGS 606 RR	4.5	5.0	4.5	R	S
AgSouth	AGS 758 RR	1.0	2.3	1.5	R	S
AgSouth	AGS Prichard RR	1.0	4.5	4.5	R	R
AgSouth	AGS Woodruff	2.0	4.5	4.3	R	S
AR	R01-327	5.0	5.0	4.8	R	R
AR	R02-3065	4.8	5.0	3.8	S	S
AR	R03-1250	5.0	4.0	3.5	S	S
AR	R04-342	4.3	5.0	4.3	M	S
AR	R04-357	5.0	3.3	4.0	S	S
AR	R04-522	5.0	4.8	2.3	R	S
AR	R04-572	5.0	4.3	5.0	S	S
AR	R06-4433	5.0	5.0	4.3	S	S
Asgrow	AG5831	2.3	4.8	5.0	S	S
Asgrow	AG6031	2.8	4.0	4.0	R	S
Asgrow	AG6130	4.3	4.5	4.0	R	S
Asgrow	AG6730	1.5	4.8	2.3	R	S
Asgrow	AG6931	1.5	4.5	4.8	R	S
Asgrow	AG7231	1.3	5.0	4.3	R	R
Croplan	RC4998	5.0	5.0	5.0	S	S
Croplan	RC6298	2.3	4.8	4.5	S	S
Croplan	RC7355	5.0	5.0	5.0	S	S
Croplan	XR258	3.5	3.3	5.0	R	S
Croplan	XR268	2.5	3.3	4.8	R	S
Croplan	XR273	3.0	5.0	4.8	S	S
Dyna-Gro	32B57	2.0	4.8	3.8	R	R
Dyna-Gro	33C59	4.8	4.8	5.0	R	S
Dyna-Gro	33X55	2.0	4.5	4.8	R	R
Dyna-Gro	34F67	5.0	4.0	5.0	R	S
Dyna-Gro	35F55	5.0	5.0	5.0	R	S
Dyna-Gro	35K73	5.0	5.0	5.0	S	S
Dyna-Gro	36RY68	2.3	4.0	4.5	R	S
Dyna-Gro	V61N9RR	2.8	5.0	5.0	R	R
Dyna-Gro	V76N9RR	4.5	5.0	5.0	R	R
NC	NCC02-20578	5.0	5.0	4.0	R	M
NC	NCC02-22219	4.8	4.8	5.0	S	S
NK	S56-G6 Brand	1.0	2.8	1.5	S	S
NK	S61-Q2 Brand	1.3	4.8	5.0	R	S
NK	S78-G6 Brand	1.5	4.5	4.8	R	R
NK	S79-B9 Brand	2.5	4.3	5.0	R	S
Pioneer	95Y20	1.3	5.0	4.8	R	R
Pioneer	95Y70	1.3	4.3	5.0	S	S
Pioneer	97M50	1.8	4.5	4.8	R	S
Progeny	P5610RY	3.3	4.8	3.3	R	S
Progeny	P5622RR	5.0	5.0	5.0	R	S
Progeny	P5650RR	4.0	5.0	5.0	R	R
Progeny	P5706RR	5.0	5.0	5.0	R	R
Progeny	P6208RR	5.0	4.5	3.0	R	S
Progeny	P6710RY	2.0	3.5	2.8	R	S
Progeny	P7208RR	5.0	3.3	2.5	S	S

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2010 (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	P7310RY	2.0	4.8	3.5	R	S
Public Variety	Desha	5.0	2.5	5.0	S	S
Public Variety	Lonoke	5.0	4.5	1.5	R	S
Public Variety	Motte	2.0	3.3	2.8	R	S
Public Variety	Musen	1.8	5.0	5.0	R	R
Public Variety	NC Raleigh	4.5	5.0	4.8	S	S
Public Variety	NC Roy	4.5	5.0	5.0	S	S
Public Variety	Osage	5.0	4.5	1.5	S	S
Public Variety	Ozark	5.0	4.8	4.5	S	S
Public Variety	Santee	2.8	5.0	5.0	R	S
SC	SC02-208RR	1.0	4.8	4.3	R	S
SC	SC03-062	4.8	4.0	5.0	R	S
SC	SC01-803	2.0	4.5	4.3	R	S
Schillinger	557.RC	3.8	3.5	2.3	R	R
Southern States	LL 511N	5.0	3.3	3.3	S	S
Southern States	LL 595N	5.0	4.8	2.5	S	S
Southern States	LL 601N	5.0	4.5	3.5	R	S
Southern States	RT 5160N	4.8	5.0	4.8	R	R
Southern States	RT 5471N	5.0	4.5	5.0	R	R
Southern States	RT 5760N	2.8	3.3	2.0	R	R
Southern States	RT 5951N	5.0	5.0	5.0	R	R
Southern States	RT 5960N	2.8	3.8	2.5	R	R
Southern States	RT 6207N	3.8	5.0	5.0	R	M
Southern States	RT 6451N	1.8	4.5	4.5	R	S
Southern States	RT 6988N	5.0	3.5	2.0	S	S
Southern States	RT 7270N	4.8	4.8	3.5	R	S
Southern States	RT 7999N	1.3	5.0	4.8	R	R
Southern States	SS 5810N R2	2.0	3.0	4.3	S	S
Southern States	SS 6810N R2	1.3	2.8	4.8	R	S
Southern States	SS 7310N R2	1.8	5.0	4.5	M	S
Terral-REV™	54R10™	4.5	5.0	5.0	M	S
Terral-REV™	54R21™	2.3	2.0	2.8	S	S
Terral-REV™	55R21™	4.5	5.0	5.0	M	S
Terral-REV™	56R21™	1.8	4.0	5.0	R	S
Terral-REV™	57R21™	4.8	5.0	5.0	R	M
Terral Seed	TV54R28	2.8	4.8	5.0	S	S
Terral Seed	TV55R15	3.3	5.0	5.0	S	S
Terral Seed	TV55R20	2.3	4.5	4.8	R	S
UGA	G03-1187RR	1.3	1.5	1.3	R	S
UGA	G04-1618 RR	1.5	4.5	5.0	R	R
UGA	G04-2215 RR	1.0	4.8	3.3	R	S
UGA	G04-2414 RR	1.0	4.0	3.3	R	S
UGA	G05-1102 RR	1.0	2.8	1.8	R	S
UGA	G05-1200 RR	1.3	3.3	3.8	R	S
UGA	G05-1209 RR	1.0	2.5	2.3	R	S

Greenhouse Ratings for Resistance to Three Species of Root-knot Nematode and Soybean Cyst Nematode, 2010 (Continued)

Company or Brand Name	Variety	Root-knot nematode			Cyst nematode	
		Southern[1]	Peanut[2]	Javanese[3]	Race 3[4]	Race 9[5]
		rating[6]			reaction[7]	
UGA	G05-2468 RR	1.3	3.3	4.3	R	R
UGA	G05-3758 RR	1.0	3.8	4.8	R	R
UGA	G05-4237 RR	1.0	3.3	5.0	R	R
UGA	G06-2460 RR	1.0	3.8	3.8	R	S
UGA	G06-2507 RR	1.0	3.5	3.8	R	S
UGA	G06-2957 RR	1.0	1.3	1.8	R	S
UGA	G06-3182 RR	1.0	2.8	1.5	R	S
UGA	G06-5287 RR	2.3	2.8	3.0	R	S
UGA	G07-1185 RR	1.0	2.8	1.8	M	S
USG	620nRR	4.5	5.0	5.0	R	R
USG	74T98	4.5	4.8	5.0	R	S
USG	75T18	5.0	5.0	5.0	M	S
USG	75Z98	5.0	5.0	5.0	S	S
USG	76S90R	2.5	3.3	4.5	S	S
USG	76U40	3.8	4.3	3.8	M	S
USG	7732nRR	1.8	2.0	2.0	S	S
USG	77S40R	1.8	5.0	4.3	S	S
USG	77U28	5.0	2.8	2.0	S	S
USG	Allen	3.3	4.8	5.0	S	S
CHECK VARIETIES	AGS Benning	1.0	3.5	2.0	R	S
	Boggs	1.0	2.5	1.5	R	S
	Bossier	5.0	3.8	2.8	S	S
	CNS	5.0	5.0	5.0	S	S
	Cook	3.0	4.3	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	1.3	4.5	4.8	R	S
	Hartwig	1.5	4.5	4.0	R	R
	Haskell	1.8	2.8	2.3	S	S
	Prichard	1.0	4.8	3.8	R	R
	LSD (0.10)	0.6	0.6	0.8		

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 = 50 (+), Pickett = 59 (+), PI88788 = 0 (-), PI90763 = 1 (-).
6. Rating: 1 (few galls) to 5 (many galls).
7. Reaction: R = Resistant (generally < 3 white females or cysts per plant).
   S = Susceptible (generally ≥ 3 white females or cysts per plant).
   M = Mixed reaction.

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

Sources of Seed for the 2010 Soybean Variety Tests

Brand or Variety Name	Company and Address
AR	University of Arkansas, 115 Plant Science Bldg., Fayetteville, AR 72701
AgSouth, AGS	AGSouth Genetics, LLC, PO Box 72246, Albany, GA 31708-2246.
Asgrow	Monsanto Company, 800 N. Lindbergh Blvd., St. Louis, MO 63167.
Croplan Genetics	Winfield Solution, LLC, 949 Winleaf Drive, Collierville, TN 38017.
DynaGro	Crop Production Services, 201 N. Bartow Street, Nashville, GA 31639..
NC	NC Foundation Seed, 8220 Riley Hill Rd., Zebulon, NC 27597.
NK	Syngenta NK Brand Seeds, 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.
Schillinger	Schillinger Seed Co., 4200 Corporate Drive, Suite 106, West Des Moines, IA 50266
Southland Seed	Southland Seed Company, Inc., 404 Holly drive, Dublin, GA 31021.
SS	Southern States Coop, P.O. Box 26234, Richmond, VA 23260.
Terral, 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	
Desha, Lonoke, Osage & Ozarks	University of Arkansas, 115 Plant Science Bldg., Fayetteville, AR 72701
Motte, Musen, Santee	Clemson University, Dept. ESPS, Room 213-B P&AS, Box 340315, Clemson, SC 29634.
NC Raleigh & NC Roy	NC Foundation Seed, 8220 Riley Hill Rd., Zebulon, NC 27597.

GRAIN SORGHUM

Tifton, Georgia:
Early-Planted Grain Sorghum Hybrid Performance, 2010
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	%
DeKalb	DKS53-67	**94.8**	**95.3**	55.6	75	40	18	2	26
DeKalb	DKS54-00	**90.5**	**88.5**	51.9	76	46	8	1.8	25
DeKalb	DKS54-03	**89.3**	77.7	51.1	79	43	0	2	25
Pioneer	83P17	**88.4**	.	52.5	77	45	8	2	24
SS	SS800	**84.6**	**83.8**	50.1	74	39	0	2	24
DeKalb	DKS44-20	**82.8**	**84.3**	53.8	72	41	18	2.3	37
Pioneer	83G66	76.5	76.5	54.4	72	43	21	2.3	27
Advanta	Ad 26056	72.9	.	55.1	72	40	0	2.3	30
SS	SS650	70.7	75.5	52.7	75	41	5	2.5	37
Advanta	GW 1489	68.4	.	53.9	73	42	20	2.3	29
Southern States	SS560	67.8	68.0	56.3	68	39	2	2	31
DeKalb	DKS49-45	67.2	.	50.7	75	41	23	2	35
Alta Seeds	AG3201	63.9	.	51.3	72	39	0	2.3	28
Asgrow	A571	62.5	65.3	51.6	70	39	15	2.3	25
Average		77.2 [4]	79.4	52.9	74	41	10	2.1	29
LSD at 10% Level		12.2	13.2	1.7	4	3	N.S.[5]	N.S.	N.S.
Std. Err. of Entry Mean		5.1	5.6	0.7	2	1	7	0.2	5

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Rated 1 = resistant to 5 = susceptible to foliar diseases.
4. Percent of grain head damaged.
5. CV = 13.3% and df for EMS = 39.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted: April 15, 2010.
Harvested: August 5, 2010.
Seeding Rate: 140,000 seed/acre in 30" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = Medium, and pH = 6.3.
Fertilization: Preplant: 25 lb N, 50 lb P_2O_5, and 75 lb K_2O/acre. Sidedress: 140 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled and bedded, rototilled; Atrazine and Basagran used for weed control; Lorsban used for insect control; Telone II used for nematode control.

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

Tifton, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2010
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	**109.8**	.	54.2	61	47	0	2.0	26
DeKalb	DKS44-20	96.5	**65.3**	51.2	60	43	0	2.0	29
Pioneer	83G66	92.9	**70.0**	45.2	57	46	0	2.0	44
DeKalb	DKS54-00	85.7	**66.4**	48.6	66	51	0	2.0	21
Advanta	Ad 22612	83.9	.	43.4	58	45	8	2.5	45
DeKalb	DKS53-67	80.1	**61.1**	49.3	58	45	0	2.0	22
DeKalb	DKS49-45	78.2	.	43.1	62	48	0	2.0	31
Asgrow	A571	73.5	**58.4**	47.6	59	41	0	2.0	24
SS	SS800	70.4	**55.6**	42.2	55	39	4	2.3	38
Advanta	GW 1467	65.6	.	45.3	57	40	5	2.5	39
Alta Seeds	AG3201	57.4	.	41.5	55	38	0	2.0	38
DeKalb	DKS54-03	52.7	51.6	41.1	64	47	4	2.3	23
Southern States	SS560	50.8	41.4	43.4	49	35	0	2.0	47
Advanta	Ad 26056	46.6	.	40.8	57	40	5	2.5	29
SS	SS650	43.1	34.1	48.2	57	44	28	3.0	29
Advanta	GW 1489	32.3	.	46.5	63	44	16	3.0	20
Average		70.0 [5]	56.0	45.7	59	43	4	2.3	32
LSD at 10% Level		9.6	15.6	3.6	3	3	7	0.4	10
Std. Err. of Entry Mean		4.0	7.6	1.5	1	1	3	0.2	4

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 = 11.6% and df for EMS = 45.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted: June 15, 2010.
Harvested: October 7, 2010.
Seeding Rate: 140,000 seed/acre in 30" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = Medium, and pH = 6.3.
Fertilization: Preplant: 25 lb N, 50 lb P_2O_5, and 75 lb K_2O/acre. Sidedress: 125 lb N/acre.
Previous Crop: Peanuts.
Management: Subsoiled, bedded, and rototilled; Basagran 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, 2010
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	%
Asgrow	A571	**103.6**	**63.9**	58.7	62	50	0	1.0	0
DeKalb	DKS53-67	**101.9**	**77.0**	61.9	64	51	0	1.0	0
DeKalb	DKS44-20	**99.3**	**66.1**	60.3	61	53	0	1.0	0
DeKalb	DKS49-45	**95.7**	.	60.8	62	55	0	1.0	0
Alta Seeds	AG3201	95.3	.	59.4	60	51	0	1.0	0
SS	SS650	91.1	50.4	59.8	65	56	0	1.0	0
Advanta	Ad 26056	90.1	.	59.8	60	45	0	1.0	0
DeKalb	DKS54-03	87.9	56.9	58.6	67	56	0	1.0	0
Pioneer	83P17	87.4	.	58.2	69	56	0	1.0	0
Pioneer	83G66	86.8	51.1	60.0	65	57	0	1.0	0
DeKalb	DKS54-00	85.1	**59.2**	58.5	68	56	0	1.0	0
Southern States	SS560	81.4	46.9	61.4	58	41	0	1.0	0
SS	SS800	81.0	48.7	58.3	61	48	0	1.0	0
Advanta	GW 1489	78.3	.	59.6	64	54	0	1.0	0
Average		90.3 [4]	57.8	59.7	63	52	0	1.0	0
LSD at 10% Level		8.1	19.0	0.7	2	3	-	-	-
Std. Err. of Entry Mean		3.4	8.0	0.3	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 = 7.5% and df for EMS = 39.

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

Planted: April 20, 2010.
Harvested: August 3, 2010.
Seeding Rate: 140,000 seed/acre in 30" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 5.5
Fertilization: Preplant: 100 lb N, 25 lb P_2O_5, and 25 lb K_2O/acre. Sidedress: 50 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, chisel plowed and rototilled; Atrazine used for weed control.

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

Plains, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2010
Nonirrigated

Grain sorghum varieties were planted at this location on June 15, 2010. However, extensive damage from high temperatures and drought caused very low yields and considerable variation in performance amoung plots within the test. After careful analysis and review of this data, it is the opinion of the editors that the results of this trial may not accurately reflect the performance potential of all test entries. Since this data could be misleading if used in making decisions concerning variety selection, we have chosen not to present them in this publication.

Griffin, Georgia:
Early-Planted Grain Sorghum Hybrid Performance, 2010
Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Bird Damage[3]
		bu/acre	bu/acre	lb/bu	days	in	%	%
DeKalb	DKS53-67	**54.1**	58.5	60.1	72	39	0	1
Pioneer	83G66	**51.5**	55.6	57.4	72	41	0	4
Pioneer	83P17	**50.0**	.	57.4	76	43	0	4
DeKalb	DKS44-20	**46.6**	51.6	56.9	71	39	0	3
DeKalb	DKS54-03	**44.5**	56.1	56.7	77	44	0	9
DeKalb	DKS49-45	**43.7**	.	58.1	73	43	0	1
Alta Seeds	AG3201	41.8	.	55.7	73	39	0	6
Advanta	Ad 26056	39.4	.	57.3	73	37	0	5
Asgrow	A571	38.4	57.1	52.0	74	36	0	3
SS	SS650	32.2	44.5	56.2	74	41	0	5
Advanta	GW 1489	32.0	.	56.6	72	38	0	8
DeKalb	DKS54-00	31.8	46.0	57.7	79	39	0	8
Southern States	SS560	31.3	40.9	54.0	67	29	0	24
SS	SS800	27.8	39.8	53.9	73	34	0	8
Average		40.4 [4]	50	56.4	73	38	0	6
LSD at 10% Level		10.7	N.S.[5]	1.0	2	3	-	7
Std. Err. of Entry Mean		4.5	5.8	0.4	1	1	-	3

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Percent of grain head damaged.
4. CV = 22.2% and df for EMS = 39.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted:	May 13, 2010.
Harvested:	September 2, 2010.
Seeding Rate:	100,000 seed/acre in 30" rows.
Soil Type:	Cecil sandy loam.
Soil Test:	P = High, K = High, and pH = 6.8.
Fertilization:	Preplant: 28 lb N, 56 lb P_2O_5, and 84 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop:	Soybeans.
Management:	Chisel plowed, disked, rototilled; two cultivations used for weed control.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia:
Late-Planted Grain Sorghum Hybrid Performance, 2010
Nonirrigated

Company or Brand Name	Hybrid	Yield[1]	2-Year Average Yield	Test Wt.	50% Bloom[2]	Plant Ht.	Lodging	Bird Damage[3]
		bu/acre	bu/acre	lb/bu	days	in	%	%
DeKalb	DKS44-20	**95.4**	**66.9**	58.4	65	52	0	8
DeKalb	DKS53-67	**95.3**	**64.5**	58.8	69	51	0	9
Pioneer	83P17	**92.5**	.	56.6	70	54	0	3
Advanta	Ad 26056	**88.2**	.	57.5	71	49	0	9
Advanta	Ad 22612	**85.2**	.	58.2	69	56	0	25
DeKalb	DKS54-03	**83.1**	**58.7**	56	73	56	0	14
Advanta	GW 1467	79.7	.	57.6	63	49	0	9
Asgrow	A571	79.7	**65.8**	56.1	66	54	0	8
SS	SS800	78.7	**53.1**	56.9	63	53	0	5
Advanta	GW 1489	77.9	.	59.2	64	59	0	10
Alta Seeds	AG3201	77.3	.	57.1	67	54	0	6
Pioneer	83G66	76.5	**54.5**	58.3	67	53	0	9
DeKalb	DKS49-45	75.2	.	57.6	68	56	0	14
SS	SS650	73.1	**51.2**	58.2	69	59	0	16
DeKalb	DKS54-00	58.2	44.1	53.2	77	49	0	6
Southern States	SS560	56.3	33.0	59	62	50	0	5
Average		79.5 [4]	54.6	57.4	68	53	0	10
LSD at 10% Level		13.2	17.6	1.4	4	5	-	N.S.[5]
Std. Err. of Entry Mean		6.6	7.4	0.6	2	2	-	5

1. Yields calculated at 14% moisture.
2. Days from planting to 50% bloom.
3. Percent of grain head damaged.
4. CV = 14.0% and df for EMS = 45.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted: May 13, 2010.
Harvested: November 2, 2010.
Seeding Rate: 100,000 seed/acre in 30" rows.
Soil Type: Cecil sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.7.
Fertilization: Preplant: 28 lb N, 56 lb P_2O_5, and 84 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Wheat.
Management: Chisel plowed, disked, and rototilled; two cultivations used for weed control.

Test conducted by J. Gassett and G. Ware.

Grain Sorghum Hybrid Resistance to Insect and Bird Damage-2010

Xinzhi Ni, G. David Buntin, and Jeffrey P. Wilson

Grain sorghum is a good rotation crop in the southern Coastal Plain region, where it can be affected by a variety of insects and pathogens from the seedling stage through maturity. Diseases were of minimal importance in 2010. Although their damage was relatively low, nine insect pests were recorded on sorghum in southern Georgia in 2010. They could be listed in order of importance as follows: fall armyworm, corn leaf aphid, sorghum midge, stink bugs (southern green and brown stink bugs), leaf-footed bug, chinch bug, sorghum head worm complex (mainly sorghum webworm, and corn earworm). It was the first time in seven years that we observed corn leaf aphid damage on sorghum plants at the 6- to 8-leaf stages. The damage symptom could be identified by its typical reddish discoloration at the whorl or on the young developing leaves.

Eleven hybrids were evaluated for resistance to sorghum midge in 2010. The hybrids were planted with four replications on June 23, 2010. The flowering date (or days to anthesis) was recorded during August. The fall armyworm and aphid damage was assessed on July 23 and August 2, 2010, respectively. Because the foliar damage ratings were not statistically significant among the 11 hybrids, the data were not included in the table. Sorghum midge damage was rated on Oct. 2, 2010. Midge damage was rated according to the visual estimates of grain loss. Grain loss caused by midge infestation can be separated from other factors using the whitish-cast skins hanging at the tip of glumes during pre-harvest examination. Sorghum midge damage was assessed according to the following rating scale: Very Good = 0-15% of empty glumes on any of the sorghum panicles in an experimental plot; Good = a few empty glumes (16-30%) observed on a panicle; Fair = 31-75% of empty glumes on a sorghum panicle; and Poor = majority of sorghum panicles with more than three quarters (>75%) of empty glumes. Because bird damage on sorghum panicles is usually observed every year, we began to assess the hybrid resistance to bird feeding on developing kernels this year. Bird-feeding resistance was rated by following scale: Very Good (VG) = less than 10% grain loss; Good (G) = 25% loss; Fair (F) = 50% loss; and Poor (P) = over 75% loss.

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. Midge damage was low in general for 2010, which could be the result of dry weather conditions, although we planted late this year. For midge resistance, most of the hybrids (7 of the 11 entries) were rated as Very Good (VG) with at least two years of rating data. At the same time, seven of the 11 hybrids were also identified for bird-feeding resistance (differed from the midge resistance) in 2010. The details on midge and bird resistance in the 11 grain sorghum hybrids are listed in the following table.

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 bird resistance might vary based on planting dates. 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 from the Crop Genetics and Breeding Research Unit, USDA-ARS, Coastal Plain Experiment Station, UGA-Tifton, Georgia.

Evaluation of Grain Sorghum Hybrids for Resistance to Insect and Bird Damage, 2010, Tifton, Georgia[1]

Brand	Hybrid	Days to Anthesis[2]	Midge Resistance [3]		Bird-feeding resistance[4]
			2010	2+ years	
Asgrow	A571	61	VG	VG	G
Pioneer	83G66	60	VG	VG	F
Southern States	SS800	59	VG	VG	F
Southern States	SS650	66	VG	VG	VG
DeKalb	DKS49-45	65	VG	.	VG
Southern States	SS560	52	G	VG-	F
DeKalb	DKS54-03	68	G	VG-	VG
DeKalb	DKS44-20	62	G	VG-	VG
DeKalb	DKS53-67	64	G	G	VG
DeKalb	DKS54-00	70	F	G	VG
Pioneer	83P17	66	F	.	VG

1. The test plots were maintained with irrigation.
2. Days from planting to 50% bloom.
3. For sorghum midge resistance: VG = very good, G = good, F = fair, and P = poor.
4. Bird-feeding resistance: Very Good (VG) = less than 10% loss; Good (G) = 25% loss; Fair (F) = 50% loss; and Poor (P) = over 75% loss.

SORGHUM FOR SILAGE

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2010

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
Moss	4Ever Green	**9.9**	**52.8**	148.8	19	.
Advanta	GW 9417G	**9.8**	36.9	125.5	27	.
Southern States	SS1515F	**8.9**	34.7	100.3	26	7.6
Advanta	GW 3072F	8.6	33.1	98.0	26	.
Moss	Millennium BMR	8.6	33.3	129.4	26	.
Moss	4Ever Green BMR	8.4	42.1	124.0	20	.
Coffey	Exp100BMR	8.0	34.6	108.0	23	.
Coffey	Exp816BMR	7.8	28.0	102.0	28	6.9
Advanta	Ad 26837	7.7	35.3	85.0	22	7.3
Advanta	GW 8528F	7.4	25.5	106.5	29	.
Alta Seeds	AF7401	7.0	31.6	80.5	22	.
Alta Seeds	AF7301	6.5	25.9	98.5	25	.
Advanta	Ad 23402	6.4	24.1	98.3	26	.
Moss	M-10240DPW	5.9	20.2	66.3	30	.
Average		7.9 [1]	32.7 [2]	105.1	25	7.3
LSD at 10% Level		1.1	5.0	7	2	N.S.[3]
Std. Err. of Entry Mean		0.5	2.0	3	1	0.4
Ratoon or Regrowth Crop						
Moss	4Ever Green	**12.9**	**50.8**	.	26	.
Moss	Millennium BMR	8.3	28.3	.	29	.
Advanta	GW 9417G	8.0	24.6	.	33	.
Southern States	SS1515F	7.2	26.1	.	28	.
Advanta	GW 3072F	7.2	24.0	.	30	.
Alta Seeds	AF7401	6.7	25.0	.	27	.
Advanta	Ad 26837	6.0	20.9	.	30	.
Coffey	Exp100BMR	5.9	22.0	.	27	.
Moss	4Ever Green BMR	5.5	19.1	.	29	.
Advanta	GW 8528F	4.8	14.8	.	33	.
Coffey	Exp816BMR	4.6	14.2	.	32	.
Advanta	Ad 23402	4.6	16.3	.	29	.
Alta Seeds	AF7301	4.6	16.6	.	28	.
Moss	M-10240DPW	3.5	12.4	.	28	.
Average		6.4 [4]	22.5 [6]	.	29	.
LSD at 10% Level		1.1	4.5		3	
Std. Err. of Entry Mean		0.5	1.9		1	

Tifton, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2010
(Continued)

1. CV = 11.8% and df for EMS = 39.
2. CV = 12.6% and df for EMS = 39.
3. The F-test indicates no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
4. CV = 14.8% and df for EMS = 39.
5. CV = 16.7% and df for EMS = 39.

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

Planted:	April 16, 2010
Harvested:	July 28, 2010. Ratoon: October 18, 2010.
Seeding Rate:	150,000 seed/acre in 30" rows.
Soil Type:	Tifton sandy loam.
Soil Test:	P = Very High, K = Medium, and pH = 6.9.
Fertilization:	Preplant: 87 lb N, 126 lb P_2O_5, and 213 lb K_2O/acre. Sidedress: 125 lb N/acre.
Previous Crop:	Soybeans.
Management:	Subsoiled, bedded, and rototilled; Lorsban used for insect control.

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

Griffin, Georgia:
Evaluation of Sorghum Hybrids for Silage, 2010

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
Moss	4Ever Green	**8.3**	**46.3**	108	18	.
Advanta	GW 3072F	**7.4**	21.4	66	35	.
Advanta	Ad 26837	6.3	25.2	59	25	5.4
Moss	4Ever Green BMR	6.2	33.5	101	18	.
Southern States	SS1515F	6.0	20.8	62	29	5.7
Coffey	Exp100BMR	5.8	21.0	73	27	.
Alta Seeds	AF7401	5.1	22.9	55	22	.
Advanta	GW 9417G	4.7	15.6	78	30	.
Advanta	Ad 23402	4.6	17.7	60	26	.
Advanta	GW 8528F	4.5	13.7	70	33	.
Alta Seeds	AF7301	4.4	17.1	65	25	.
Coffey	Exp816BMR	4.3	15.2	68	28	4.5
Moss	M-10240DPW	3.2	10.0	44	32	.
Moss	Millennium BMR	3.1	12.3	85	25	.
Average		5.3 [1]	20.9 [2]	71	27	5.2
LSD at 10% Level		1.3	5.2	8	2	N.S.[3]
Std. Err. of Entry Mean		0.5	2.2	3	1	0.3

1. CV = 20.8% and df for EMS = 39.
2. CV = 20.9% and df for EMS = 39.
3. The F-test indicates no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted: May 13, 2010.
Harvested: September 9, 2010.
Seeding Rate: 150,000 seed/acre in 30" rows.
Soil Type: Cecil sandy loam.
Soil Test: P = Medium, 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: Wheat.
Management: Chisel plowed, disked, rototilled; atrazine 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, 2010
and Two-Year Average Yields, 2009-2010

Company or Brand Name	Hybrid Name or Number		Clipping Dates 7-17-10	9-02-10	Season Total	2-Year Average
			--------- dry matter yield - pounds per acre ---------			
Sorghum x Sudangrass						
Moss	Mega Green	.	**10752**	**9371**	**20124**	.
Moss	SU-2-LM	.	**10656**	**8976**	**19632**	.
SS	SS-211A	.	**11004**	8133	**19137**	.
Alta Seeds	AS6401	.	**11310**	6766	**18076**	.
Alta Seeds	AS6501	.	**11622**	6031	17652	.
Advanta	Ad 23431	.	9499	7784	17283	**15164**
Advanta	CS GW9417A3	.	9395	7689	17085	.
Advanta	GW 9917GBmr	.	9642	7138	16780	.
Alta Seeds	AS6402	.	8734	7777	16510	.
SS	SS220BMR	.	**10126**	5881	16007	**14943**
Coffey	Exp3010BMR	.	**9806**	5619	15425	**14983**
Advanta	GW 7191GBmr	.	9126	6015	15140	.
Coffey	Exp2010BMR	.	8181	6930	15111	**14477**
Advanta	Ad 552BMR	.	8674	6418	15092	.
Alta Seeds	AS9301	.	8624	6292	14916	.
Advanta	Ad 22050	.	8042	5944	13986	.
Cal/West	CW 5-43-34	.	8307	3343	11650	.
Cal/West	CW 5-43-29	.	8250	3264	11514	.
Cal/West	Enorma	.	8550	2538	11088	.
Producers Choice	HayKing	.	8337	2306	10643	.
Cal/West	CW 7-43-68	.	8695	1936	10631	.
Cal/West	CW 7-43-69	.	6984	2905	9889	.
Cal/West	CW 5-43-33	.	7650	2017	9667	.
Cal/West	CW 6-43-50	.	7598	2059	9657	.
SS	SS130BMR	.	7220	2399	9618	9986
Cal/West	CW 5-43-43	.	4918	1372	6290	.
Average		.	8912	5266	14177 [1]	13911
LSD at 10% Level			1904	1015	2161	1873
Std. Err. of Entry Mean			808	431	918	894

Pearl Millet		Clipping Dates 6-15-10	7-07-10	9-02-10		
Advanta	Wonderleaf	6982	**3956**	**8733**	**19671**	.
Ga CPES	Tifleaf 3	6655	**3983**	**8877**	**19515**	**17097**
SS	SS635	7085	**4238**	**7155**	**18478**	**16567**
SS	SS501	**7980**	3108	5493	16581	**15529**
Average		7176	3821	7564	18561 [2]	16398
LSD at 10% Level		875	769	727	1385	N.S.[3]
Std. Err. of Entry Mean		338	296	280	534	516

Tifton, Georgia:
Evaluation of Summer Annual Forage, 2010
and Two-Year Average Yields, 2009-2010 (Continued)

1. CV = 12.9% and df for EMS = 75.
2. CV = 5.8% and df for EMS = 9.
3. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted:	April 15, 2010.
Seeding Rate:	Sorghum x Sudangrass: 100,000 seed/acre in 30" rows. Millet: 4 lb seed/acre in 30" rows.
Soil Type:	Tifton sandy loam.
Soil Test:	P = Medium, K = Medium, and pH = 6.1.
Fertilization:	Preplant: 25 lb N, 50 lb P_2O_5, and 75 lb K_2O/acre. Sidedress: Sorghum x Sudangrass - 50 lb N/acre after 1st harvest. Sidedress: Millet - 50 lb N/acre after 1st and 2nd harvests.
Previous Crop:	Peanuts.
Management:	Subsoiled, bedded and rototilled; Basagran, Atrazine and Permit used for weed control; Lorsban used for insect control.

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

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2010
and Two-Year Average Yields, 2009-2010

Company or Brand Name	Hybrid Name or Number	Clipping Dates 7-26-10	8-13-10	11-23-10	Season Total	2-Year Average
		--------- dry matter yield - pounds per acre ---------				
Sorghum x Sudangrass						
Advanta	GW 7191GBmr	**8597**	**6479**	**2949**	**18025**	.
Moss	SU-2-LM	**8382**	**6228**	**2664**	**17274**	.
Coffey	Exp3010BMR	**8353**	**6623**	2166	**17142**	**14370**
Advanta	Ad 552BMR	**7204**	**6482**	2385	**16072**	.
Alta Seeds	AS6501	6536	**6098**	**2933**	15568	.
Advanta	CS GW9417A3	6952	**6107**	2348	15408	.
SS	SS220BMR	5901	**6314**	**3135**	15351	12760
Advanta	Ad 22050	6513	**6186**	**2507**	15206	.
Alta Seeds	AS9301	6019	5584	**2840**	14443	.
Advanta	GW 9917GBmr	6551	**5690**	1910	14152	.
Coffey	Exp2010BMR	6814	4263	**2762**	13839	11847
Advanta	Ad 23431	5398	5187	**3152**	13736	10940
Alta Seeds	AS6401	5918	5113	1976	13006	.
Moss	Mega Green	5598	4454	2344	12396	.
SS	SS-211A	4573	**5632**	1999	12204	.
Alta Seeds	AS6402	4735	4906	1883	11524	.
Cal/West	CW 5-43-33	6772	3770	817	11359	.
Cal/West	CW 5-43-43	5376	4796	1163	11335	.
Cal/West	CW 7-43-68	6356	3146	684	10186	.
Cal/West	Enorma	6046	3443	657	10146	.
Cal/West	CW 5-43-34	5473	3332	1042	9848	.
SS	SS130BMR	5010	3734	1063	9808	8571
Producers Choice	HayKing	4398	3052	1315	8765	.
Cal/West	CW 7-43-69	4597	2777	601	7976	.
Cal/West	CW 6-43-50	3189	3085	1062	7336	.
Cal/West	CW 5-43-29	2919	2020	618	5556	.
Average		5930	4789	1884	12602 [1]	11698
LSD at 10% Level		1639	992	724	2383	1250
Std. Err. of Entry Mean		696	421	308	1012	596

Pearl Millet		Clipping Dates 7-28-10	9-08-10	11-23-10		
SS	SS635	**6167**	**2188**	1161	**9516**	**10175**
Ga CPES	Tifleaf 3	**5080**	**2213**	**1510**	**8804**	**9952**
Advanta	Wonderleaf	**5613**	**2082**	637	**8332**	.
SS	SS501	**5472**	**1665**	750	**7886**	**9353**
Average		5583	2037	1014	8634 [2]	9827
LSD at 10% Level		N.S.[3]	N.S.	363	N.S.	N.S.
Std. Err. of Entry Mean		448	264	140	602	374

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2010
and Two-Year Average Yields, 2009-2010 (Continued)

1. CV = 16.0% and df for EMS = 75.
2. CV = 13.9% and df for EMS = 9.
3. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted:	May 13, 2010.
Seeding Rate:	Sorghum x Sudangrass: 150,000 seed/acre in 30" rows. Millet: 4 lb seed/acre in 30" rows.
Soil Type:	Cecil sandy loam.
Soil Test:	Sorghum x Sudangrass: P = Low, K = High, and pH = 6.4 Millet: P = High, K = High, and pH = 6.8..
Fertilization:	Preplant: 50 lb N, 100 lb P_2O_5, and 150 lb K_2O/acre. Sidedress: 50 lb N/acre after 1st and 2nd harvests.
Previous Crop:	Sorghum x Sudangrass: Wheat Millet: Soybeans.
Management:	Chisel 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 2010 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.
Asgrow, DeKalb	Monsanto Company, 982 U.S. Hwy. 77, Bishop, TX 78343.
Cal/West, Producers Choice	Cal/West Seeds, 38001 County Road 27, Woodland, CA 95695.
Coffey	Coffey Forage Seeds, Inc., 2106 S. Date St., Plainview, TX 79072.
Ga CPES	The University of Georgia, Crop & Soil Sciences Dept., Tifton Campus, P.O. Box 748, Tifton, GA 31793-0748.
Moss	Walter Moss Seed Company, P.O. Box 21114, Waco, TX 76702.
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, VA 23260.

SUNFLOWER

Calhoun, Georgia:
Early-Planted Sunflower Performance, 2010, Nonirrigated

Company or Brand Name	Hybrid Name or Number	Yield[1]	Test Wt.	Plant Height	Erect Plants	50% Bloom[2]	Phys. Maturity[3]	Bird Damage[4]
		lb/acre	lb/bu	in	%	days	days	%
Croplan	378 DMR/NS	**1981**	26	69	97	55	85	0
Syngenta	3980 NS/CL	**1885**	24	64	98	56	84	1
Triumph	610CLD	**1845**	24	69	90	54	83	5
Triumph	636	**1823**	21	72	92	58	83	3
Croplan	555 CL/DMS/NS	**1679**	25	72	93	57	83	9
Advanta	F30008 NS/CL	**1664**	24	64	97	54	84	4
Syngenta	3875 NS	**1662**	23	68	94	53	85	5
Croplan	356 A/NS	**1599**	24	61	73	55	85	9
Pannar Seed	Pan 9501	**1551**	28	59	94	56	86	8
Seeds 2000	Firebird	**1543**	22	66	97	58	84	5
Advanta	AP462 NS	1524	24	66	65	57	83	8
Croplan	3080 DMR	1500	23	67	84	56	84	9
Seeds 2000	X9866 CL	1444	23	72	99	57	83	4
Advanta	F51321 NS/DM	1420	25	60	98	53	86	3
Croplan	306 DMR/NS	1407	23	60	79	54	83	6
Syngenta	X9978 CL	1389	28	71	100	57	84	28
Syngenta	3732 NS	1372	24	60	87	54	83	9
Triumph	s673	1300	24	45	70	58	85	14
Advanta	F51122 NS/CL	1274	22	68	96	54	83	3
Pannar Seed	8466 NS/CL	1274	23	67	92	57	86	5
Advanta	F51137 NS/CL	1242	23	58	83	54	85	5
Pannar Seed	8579 NS/DM	1214	25	64	86	55	83	8
Seeds 2000	Sierra	1165	22	72	99	57	82	15
Pannar Seed	Pan 7924NS	1096	23	73	93	57	87	9
Syngenta	4651 NS/DM	1076	24	70	92	57	84	18
Seeds 2000	Blazer CL	1067	21	63	95	58	83	7
Triumph	859HOCL	954	24	70	66	56	85	12
Triumph	S878ho	916	24	63	42	58	84	30
Triumph	S870 CL	885	25	53	77	56	83	11
Triumph	S668	842	24	49	54	60	83	11
Pannar Seed	Pan 7813NS	807	22	69	83	58	87	8
Syngenta	3845 HO	807	23	61	91	55	86	8
Seeds 2000	X9464 CL	625	21	67	57	58	83	32
Average		1328 [5]	24	64	85	56	84	9
LSD at 10% Level		440	1	9	20	N.S.[6]	N.S.	11
Std. Err. of Entry Mean		188	1	4	9	2	1	5

Calhoun, Georgia:
Early-Planted Sunflower Performance, 2010, Nonirrigated (Continued)

1. Yields calculated at 10% moisture.
2. Days from planting to 50% bloom.
3. Days from planting.
4. Percent of grain head damaged.
5. CV = 28.2% and df for EMS = 96.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted:	May 20, 2010.
Harvested:	September 18, 2010.
Seeding Rate:	20,000 seed/acre in 30" rows.
Soil Type:	Etowah loam.
Soil Test:	P = High, K = Medium, and pH = 6.2.
Fertilization:	Preplant: 30 lb N, 75 lb P_2O_5, and 200 lb K_2O/acre. Sidedress: 50 lb N/acre.
Previous Crop:	Soybeans.
Management:	Moldboard plowed, disked and rototilled; Prowl, Select Max and three cultivationns used for weed control.

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

Griffin, Georgia:
Early-Planted Sunflower Performance, 2010, Nonirrigated

Company or Brand Name	Hybrid Name or Number	Yield[1]	Test Wt.	Plant Height	Erect Plants	50% Bloom[2]	Phys. Maturity[3]	Bird Damage[4]
		lb/acre	lb/bu	in	%	days	days	%
Syngenta	4651 NS/DM	**1876**	32	46	100	58	98	14
Seeds 2000	Sierra	**1857**	32	40	100	60	98	18
Pannar Seed	Pan 9501	**1789**	33	46	100	61	100	11
Seeds 2000	Firebird	**1777**	32	36	100	59	97	16
Advanta	AP462 NS	**1772**	32	43	100	61	99	11
Pannar Seed	Pan 7813NS	**1769**	33	41	100	58	98	20
Syngenta	X9978 CL	**1685**	36	47	100	60	98	23
Pannar Seed	Pan 7924NS	**1628**	32	47	100	58	99	15
Croplan	378 DMR/NS	**1582**	32	45	100	57	97	20
Croplan	306 DMR/NS	**1578**	34	44	100	54	98	19
Croplan	356 A/NS	**1563**	33	42	100	58	98	23
Seeds 2000	X9464 CL	**1558**	32	38	100	61	99	11
Seeds 2000	Blazer CL	**1542**	33	41	100	60	100	19
Syngenta	3732 NS	**1534**	32	38	100	58	97	23
Syngenta	3875 NS	**1492**	33	46	100	57	97	21
Pannar Seed	8579 NS/DM	1415	34	38	98	58	97	34
Seeds 2000	X9866 CL	1402	33	48	100	58	97	26
Syngenta	3980 NS/CL	1317	33	40	100	58	97	31
Croplan	555 CL/DMS/NS	1297	31	46	100	60	96	18
Advanta	F51122 NS/CL	1272	33	44	100	55	96	24
Pannar Seed	8466 NS/CL	1260	33	41	97	61	98	25
Advanta	F51321 NS/DM	1214	32	37	100	53	97	18
Advanta	F51137 NS/CL	1184	34	37	100	59	96	29
Syngenta	3845 HO	1036	34	43	100	57	99	34
Advanta	F30008 NS/CL	940	33	39	100	57	97	39
Croplan	3080 DMR	890	34	37	99	54	96	44
Average		1470 [5]	33	42	100	58	98	22
LSD at 10% Level		418	1	5	N.S.[6]	1	2	13
Std. Err. of Entry Mean		177	1	2	1	1	1	5

1. Yields calculated at 10% moisture.
2. Days from planting to 50% bloom.
3. Days from planting.
4. Percent of grain head damaged.
5. CV = 24.1% and df for EMS = 75.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

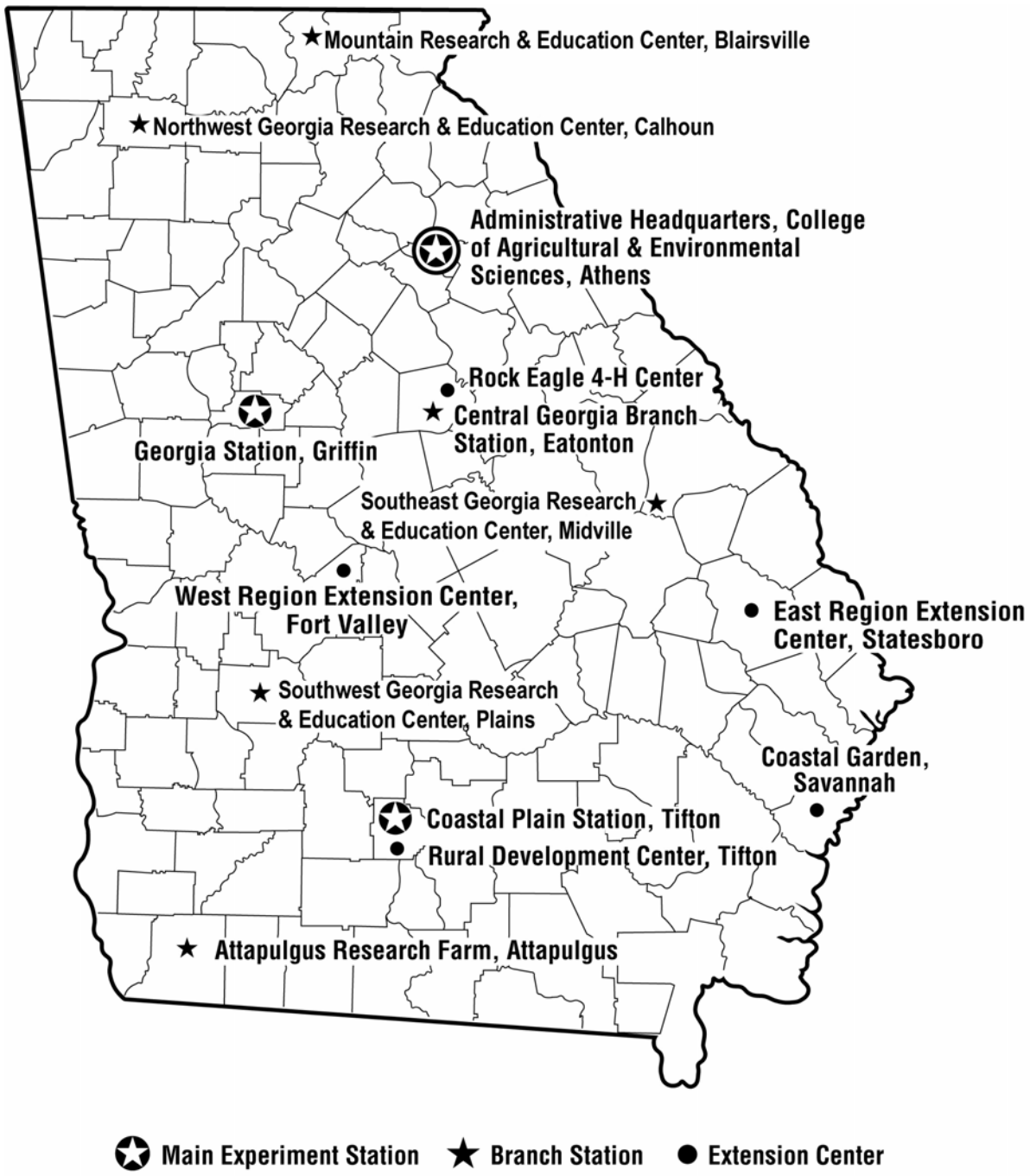
Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: May 13, 2010.
Harvested: August 31, 2010.
Seeding Rate: 20,000 seed/acre in 30" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = Very High, K = Very High, and pH = 6.1.
Fertilization: Preplant: 30 lb N, 60 lb P_2O_5, and 90 lb K_2O/acre. Sidedress: 50 lb. N/acre.
Previous Crop: Soybeans.
Management: Moldboard plowed, disked and rototilled; Prowl, Poast and one cultivationn used for weed control.

Test conducted by J. Gassett and G. Ware.

Sources of Seed for the 2010 Sunflower Tests

Brand or Variety Name	Company and Address
Advanta	Advanta US, Inc., P.O. Drawer 2420, Hereford, TX 79045.
Croplan	Croplan Genetics, 13218 Elmer Hanson Drive SE, Mentor, MN 56736.
Pannar Seed	Pannar Seed, 40329 US Highway 14 East, Huron, SD 57350.
Seeds 2000	Seeds 2000 Inc., P.O. Box 200, 115 N. 3rd Street, Brechenridge, MN 56520.
Syngenta	Syngenta, 101 Mansfield Drive, Fort Collins, CO 80525-2822.
Triumph	Triumph Seed Co., Inc., P. O. Box 1050, Ralls, TX 79357.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