

Tifton, Georgia: Early-Planted Soybean Variety Performance, 2009, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield bu/acre	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group V</u>										
Asgrow	AG5905	61.1	5	55.0	.	39	1.0	13.8	1.5	1.0
Pioneer	95Y20	60.5	4	55.2	.	29	1.0	14.5	1.5	1.0
SS	RT5951N	60.4	10 ^T	52.9	.	33	1.3	17.9	1.7	1.0
Progeny	5706RR	60.2	6	54.6	.	39	1.7	15.8	1.3	1.0
AgSouth	AGS568RR	57.5	13	52.4	.	28	1.0	15.7	1.5	1.0
Schillinger	557RC	57.4	11	52.7	.	31	1.0	16.9	1.7	1.0
SS	RT5160N	57.0	2	57.0	.	37	1.0	16.0	1.8	1.0
USG	Allen	57.0	7	54.3	.	36	2.0	15.7	1.7	1.0
Progeny	5650RR	56.3	22	47.4	.	40	2.3	13.8	1.3	1.0
SS	RT5960N	56.1	14	52.1	.	34	1.0	17.1	1.7	1.0
SS	RT5760N	55.5	10 ^T	52.9	.	27	1.0	16.4	1.7	1.0
SS	RT5930N	54.8	9 ^T	53.0	.	34	1.0	16.6	2.0	1.0
USG	75Z98	52.4	20	47.7	.	33	2.0	17.8	1.8	1.0
DynaGro	33X55	50.6	8	54.0	.	31	1.3	17.1	1.7	1.0
Progeny	5622RR	50.2	19	47.8	.	33	1.0	17.7	1.7	1.0
Public Variety	Osage	50.0	21 ^T	47.6	.	29	1.0	15.2	1.8	1.0
DynaGro	32B57	.	1	60.7	.	35	1.0	19.7	1.8	1.0
US Seeds	HALO 5:65	.	3	55.8	.	34	1.7	15.2	1.3	1.0
SS	LL511N	.	9 ^T	53.0	.	29	1.0	16.3	1.8	1.0
SS	LL595N	.	9 ^T	53.0	.	33	1.3	15.4	1.5	1.0
SS	RT5471N	.	12	52.6	.	32	1.7	14.4	1.5	1.0
DynaGro	33C59	.	15	51.9	.	34	1.3	16.9	1.3	1.0
US Seeds	HALO 5:25	.	16	51.6	.	27	1.0	15.2	1.7	1.0
US Seeds	HALO 4:94	.	17	50.1	.	38	1.3	15.4	2.0	1.0
Asgrow	DP5915RR	.	18	49.6	.	36	2.3	15.1	1.8	1.0
Schillinger	5440R	.	21 ^T	47.6	.	25	1.3	14.4	1.7	1.0
UGA	R04-357	.	23	47.1	.	34	2.7	15.8	1.8	1.0
Terral	TV49R17	.	24	45.1	.	45	2.7	15.8	1.8	1.0
Terral	TV54R28	.	25	44.6	.	33	1.0	16.3	1.8	1.0
Terral	TV55R15	.	26	43.2	.	37	3.0	17.2	1.5	1.0
Pioneer	95Y70	.	27	42.6	.	41	2.7	14.9	1.5	1.0
DynaGro	35F55	.	28	40.3	.	39	2.0	16.1	2.2	1.0
Terral	TV49R19	.	29	39.9	.	37	1.0	16.4	2.7	1.0
Terral	TV47R18	.	30	37.6	.	37	2.7	15.0	2.3	1.0
US Seeds	HALO 4:65	.	31	36.2	.	38	1.0	17.4	3.7	1.0
Average		56.1		49.7 ⁵	.	34	1.5	16.0	1.8	1.0
LSD at 10% Level		N.S. ⁶		6.0		4	0.5	-	0.5	-
Std. Err. of Entry Mean		2.4		2.5		2	0.2	-	0.2	-

Tifton, Georgia:
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(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group VI</u>										
AR	R01-327	61.6	11	49.9	.	31	1.0	19.3	1.7	1.0
USG	7635nRR	58.4	6	52.8	.	32	1.3	16.9	1.7	1.0
Public Variety	Musen	58.4	10	50.6	.	37	2.7	13.4	1.5	1.0
USG	620nRR	58.2	4	54.0	.	37	2.3	15.9	1.5	1.0
USG	76S17	58.1	2	54.7	.	31	1.0	17.3	1.5	1.0
AgSouth	AGS606RR	57.2	9	52.1	.	31	1.0	14.1	1.7	1.0
SS	RT6207N	56.4	3	54.1	.	31	1.0	14.9	1.7	1.0
Progeny	6208RR	56.2	1	55.0	.	35	1.0	16.2	1.5	1.0
NK	S61-Q2	55.3	7	52.7	.	33	1.0	19.2	1.7	1.0
SS	RT6451N	54.9	8	52.4	.	33	1.7	14.9	1.5	1.0
SS	RT6988N	51.7	22	41.3	.	33	1.0	15.0	1.7	1.0
Asgrow	AG6702	50.1	23	39.4	.	37	2.7	12.6	1.7	1.0
AR	R01-2346	49.0	14	48.4	.	31	1.0	16.8	1.8	1.0
Asgrow	AG6301	48.2	19	43.8	.	33	1.3	17.0	1.5	1.0
AR	R03-1232	45.9	20	43.7	.	29	1.0	18.2	1.7	1.0
USG	76S79	.	5	52.9	.	35	1.3	13.0	1.5	1.0
UGA	G05-1102RR	.	12	49.7	.	41	1.0	13.9	1.5	1.0
SC	SC02-011RR	.	13	49.2	.	39	1.3	14.2	1.7	1.0
DynaGro	V622NRR	.	15	47.5	.	34	2.7	14.6	1.5	1.0
DynaGro	SX09667	.	16	46.3	.	29	1.0	16.3	1.5	1.0
Progeny	6708RR	.	17	46.2	.	31	1.3	15.9	1.5	1.0
Public Variety	Desha	.	18	46.1	.	37	1.3	16.3	1.5	1.0
Public Variety	NC Roy	.	21	43.3	.	36	2.3	13.5	1.5	1.0
Average		54.6		49.0 ⁷	.	34	1.4	15.6	1.6	1.0
LSD at 10% Level		N.S.		7.3		N.S.	N.S.	-	N.S.	-
Std. Err. of Entry Mean		2.3		3.1		2	0.5	-	0.1	-

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(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group VII and VIII</u>										
AgSouth	AGS Woodruff	60.1	2	53.6	.	39	2.3	16.4	2.0	1.0
Public Variety	Santee	59.3	1	54.0	.	42	3.3	16.1	1.3	1.0
DynaGro	V76N9RR	58.9	18	46.6	.	45	3.7	12.5	1.7	1.0
UGA	G04-2215RR	57.6	5	50.1	.	41	1.3	11.3	1.5	1.0
Asgrow	AG7502	57.4	19	46.1	.	40	3.3	12.0	1.8	1.0
UGA	G04-1618RR	57.3	16	47.2	.	37	3.0	11.3	1.8	1.0
UGA	G03-1187RR	56.4	4 ^T	50.3	.	38	1.3	14.6	1.8	1.0
AgSouth	AGS Benning	55.7	8	49.4	.	38	2.3	16.0	1.5	1.0
AgSouth	AGS758RR	55.1	6	50.0	.	37	1.7	16.1	1.8	1.0
UGA	G04-3248RR	54.9	11	48.6	.	40	1.7	12.5	1.7	1.0
UGA	G04-2414RR	54.8	7	49.6	.	41	1.0	13.5	1.8	1.0
Asgrow	AG7501	54.6	15	47.5	.	42	2.7	15.1	1.7	1.0
NK	S78-G6	54.5	20 ^T	45.7	.	41	2.3	17.3	1.7	1.0
Pioneer	97M50	54.1	10	48.9	.	37	2.3	14.4	2.0	1.0
NK	S74-W6	54.1	20 ^T	45.7	.	35	2.0	17.2	1.8	1.0
SS	RT7270N	53.3	13	47.8	.	41	2.3	12.8	1.7	1.0
Asgrow	H7242RR	52.5	12	48.2	.	43	1.3	16.0	2.0	1.0
NK	S80-P2	52.2	26	43.1	.	42	2.0	14.6	1.7	1.0
USG	7732nRR	51.0	22	45.4	.	41	3.3	15.5	1.7	1.0
Asgrow	DP7330RR	50.8	23 ^T	45.0	.	37	1.7	16.4	1.7	1.0
SS	RT7999N	50.7	24 ^T	43.4	.	45	1.3	12.6	2.0	1.0
USG	77U28	48.9	24 ^T	43.4	.	31	1.0	16.9	2.0	1.0
Asgrow	DP7870RR	48.4	28	42.3	.	46	3.3	14.2	2.0	1.0
DynaGro	35K73	48.2	30	41.5	.	39	4.0	15.4	1.8	1.0
Progeny	7208RR	48.1	20 ^T	45.7	.	35	1.3	16.8	2.0	1.0
Public Variety	Motte	47.7	33 ^T	39.2	.	41	3.7	14.0	2.5	1.0
AgSouth	AGS Prichard RR	47.0	36	35.0	.	44	3.7	12.5	1.5	1.0
UGA	G-Has(4)PHY-1	44.6	35	37.1	.	40	3.7	16.8	1.8	1.0
Public Variety	Cook	43.8	37	34.6	.	42	4.0	14.5	2.2	1.0
UGA	G07PR-443	42.2	34	38.1	.	41	3.7	14.9	1.7	1.0
UGA	G05-1209RR	.	3	51.0	.	45	2.7	12.7	2.2	1.0
UGA	G05-2468RR	.	4 ^T	50.3	.	40	1.7	12.5	1.8	1.0
UGA	G05-1481RR	.	9	49.3	.	40	1.0	12.1	1.5	1.0
UGA	G05-1200RR	.	14	47.6	.	36	1.0	13.5	1.8	1.0
SC	SC02-208RR	.	17	46.9	.	43	1.3	13.3	1.7	1.0
USG	77S09	.	21	45.6	.	41	2.0	15.1	1.7	1.0
UGA	G05-2505RR	.	23 ^T	45.0	.	42	1.7	13.3	1.7	1.0
UGA	G05-3758RR	.	25	43.2	.	43	2.0	12.0	1.5	1.0
AgSouth	AGS747RR	.	27	42.8	.	43	1.0	15.0	1.7	1.0
UGA	G05-2324RR	.	29	41.9	.	49	3.0	12.3	1.8	1.0
AU	AU02-2814	.	31	41.4	.	37	3.0	12.0	1.8	1.0
UGA	G05-4237RR	.	32	40.4	.	40	3.0	12.8	1.7	1.0
Public Variety	NC Raleigh	.	33 ^T	39.2	.	34	3.7	13.5	1.8	1.0
Average		52.5		45.3 ⁸	.	40	2.4	14.2	1.8	1.0
LSD at 10% Level		5.6		5.8		3	0.8	-	0.4	-
Std. Err. of Entry Mean		1.8		2.4		0	0.3	-	0.2	-

Tifton, Georgia:
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* 2008-2009.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 8.8% and df for EMS = 68.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 10.8% and df for EMS = 44.
8. CV = 0/4% and df for EMS = 84.

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 1, 2009.

Harvested: Maturity Groups V and VI - October 22, 2009
Maturity Group VII and VIII - November 3, 2009

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

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = High, and pH = 6.4.

Fertilization: 0 lb N, 0 lb P₂O₅, and 96 lb K₂O/acre.

Previous Crop: Corn.

Management: Disked, subsoiled and bedded, rototilled; Treflan, Storm, Select, Poast and Classic used for weed control; Temik, Tracer and Mustang Max used for insect control; irrigated 6.0 inches.

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

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<u>Maturity Group V</u>										
SS	RT5930N	64.6	3	63.9	.	42	1.7	.	.	1.0
Asgrow	AG5905	61.0	2	65.1	.	45	1.7	.	.	1.0
Progeny	5650RR	60.7	10	59.9	.	39	3.7	.	.	1.0
Progeny	5622RR	60.6	9	60.4	.	41	2.0	.	.	1.0
DynaGro	33X55	59.9	5	61.5	.	37	3.0	.	.	1.0
AgSouth	AGS568RR	58.5	11	59.4	.	38	2.3	.	.	1.0
SS	RT5951N	58.4	8	60.5	.	39	2.7	.	.	1.0
Progeny	5706RR	56.7	20	56.2	.	45	1.7	.	.	1.0
SS	RT5760N	56.6	13	58.8	.	37	3.0	.	.	1.0
Schillinger	557RC	56.3	12	59.0	.	35	1.0	.	.	1.0
Pioneer	95Y20	55.9	14	58.3	.	37	2.0	.	.	1.0
USG	75Z98	55.0	15	58.2	.	36	2.7	.	.	1.0
SS	RT5960N	54.8	27	53.3	.	42	1.3	.	.	1.0
SS	RT5160N	53.5	26	53.8	.	41	2.0	.	.	1.0
USG	Allen	52.8	30	49.0	.	38	2.7	.	.	1.0
Public Variety	Osage	46.5	29	49.6	.	35	1.0	.	.	1.0
DynaGro	32B57	.	1	68.2	.	41	2.0	.	.	1.0
Pioneer	95Y70	.	4	63.2	.	41	2.7	.	.	1.0
Schillinger	5440R	.	6	61.1	.	31	1.0	.	.	1.0
DynaGro	33C59	.	7	60.9	.	38	3.0	.	.	1.0
DynaGro	35F55	.	16	57.7	.	39	3.7	.	.	1.0
SS	LL511N	.	17	57.3	.	32	1.7	.	.	1.0
US Seeds	HALO 4:94	.	18	57.2	.	37	1.0	.	.	1.0
US Seeds	HALO 5:65	.	19	57.0	.	39	2.3	.	.	1.0
SS	RT5471N	.	21	55.7	.	37	3.3	.	.	1.0
US Seeds	HALO 5:25	.	22	55.6	.	34	1.0	.	.	1.0
SS	LL595N	.	23	55.5	.	39	2.3	.	.	1.0
UGA	R04-357	.	24	55.2	.	37	3.3	.	.	1.0
Terral	TV55R15	.	25	54.1	.	38	3.3	.	.	1.0
Asgrow	DP5915RR	.	28	53.1	.	40	3.3	.	.	1.0
Terral	TV54R28	.	31	45.2	.	38	1.7	.	.	1.0
Terral	TV49R17	.	32	40.1	.	45	1.7	.	.	1.0
Terral	TV47R18	.	33	39.1	.	41	2.0	.	.	1.0
Terral	TV49R19	.	34	35.0	.	37	1.0	.	.	1.0
US Seeds	HALO 4:65	.	35	19.9	.	36	1.0	.	.	1.0
Average		57.0		54.8 ⁵	.	39	2.2	.	.	1.0
LSD at 10% Level		5.2		6.7		3	0.6			-
Std. Err. of Entry Mean		2.2		2.8		1	0.3			-

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<u>Maturity Group VI</u>										
SS	RT6207N	61.5	5	59.2	.	39	1.3	.	.	1.0
USG	7635nRR	60.4	4	60.1	.	40	3.0	.	.	1.0
AR	R01-327	58.5	3	60.9	.	39	2.3	.	.	1.0
Public Variety	Musen	57.7	7 ^T	58.8	.	42	2.0	.	.	1.0
Asgrow	AG6301	57.4	12	53.0	.	41	2.3	.	.	1.0
NK	S61-Q2	56.7	1	63.1	.	43	2.0	.	.	1.0
AgSouth	AGS606R	55.7	10	54.5	.	31	2.0	.	.	1.0
USG	76S17	55.4	16	50.2	.	40	2.3	.	.	1.0
AR	R03-1232	53.5	13	52.7	.	39	1.3	.	.	1.0
SS	RT6451N	53.4	17	49.6	.	41	3.0	.	.	1.0
USG	620nRR	52.7	15 ^T	51.5	.	39	2.7	.	.	1.0
AR	R01-2346	51.2	18	47.7	.	35	2.7	.	.	1.0
Asgrow	AG6702	50.9	15 ^T	51.5	.	35	2.3	.	.	1.0
SS	RT6988N	50.6	19	47.5	.	43	2.0	.	.	1.0
Progeny	6208RR	49.8	20	44.5	.	41	2.7	.	.	1.0
USG	76S79	.	2	62.7	.	41	2.3	.	.	1.0
Progeny	6708RR	.	6	59.1	.	40	2.3	.	.	1.0
Public Variety	NC Roy	.	7 ^T	58.8	.	36	2.7	.	.	1.0
DynaGro	V622NRR	.	8	57.6	.	39	3.0	.	.	1.0
DynaGro	SX09667	.	9	55.2	.	38	2.0	.	.	1.0
Public Variety	Desha	.	11	53.3	.	42	2.3	.	.	1.0
SC	SC02-011RR	.	14 ^T	52.6	.	47	2.0	.	.	1.0
UGA	G05-1102RR	.	14 ^T	52.6	.	41	2.0	.	.	1.0
Average		55.0		54.6 ⁶	.	40	2.3	.	.	1.0
LSD at 10% Level		N.S. ⁷		8.3		3	N.S.			-
Std. Err. of Entry Mean		2.2		3.4		1	0.2			-

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<u>Maturity Group VII and VIII</u>										
AgSouth	AGS Woodruff	60.8	1	65.0	.	41	2.7	.	.	1.0
UGA	G04-2414RR	56.1	4	58.6	.	39	2.0	.	.	1.0
USG	77U28	56.0	29	50.8	.	45	2.0	.	.	1.0
UGA	G04-1618RR	55.8	20 ^T	54.1	.	37	3.0	.	.	1.0
UGA	G04-2215RR	55.5	11	56.3	.	38	1.7	.	.	1.0
Asgrow	DP7330RR	55.4	2	60.5	.	41	2.0	.	.	1.0
SS	RT7270N	55.3	5	58.2	.	47	2.0	.	.	1.0
NK	S78-G6	55.3	31 ^T	50.6	.	41	2.0	.	.	1.0
Progeny	7208RR	55.1	23 ^T	53.1	.	44	2.0	.	.	1.0
DynaGro	V76N9RR	54.9	14	55.2	.	40	3.7	.	.	1.0
NK	S74-W6	54.8	6	58.0	.	36	1.7	.	.	1.0
NK	S80-P2	53.1	3	59.0	.	41	2.3	.	.	1.0
Asgrow	DP7870RR	52.7	26 ^T	51.8	.	49	2.7	.	.	1.0
Public Variety	Cook	52.3	16	54.9	.	41	3.3	.	.	1.0
UGA	G03-1187RR	52.3	21	53.4	.	41	2.3	.	.	1.0
Public Variety	Santee	52.2	17	54.8	.	47	2.0	.	.	1.0
DynaGro	35K73	52.0	26 ^T	51.9	.	42	3.0	.	.	1.0
AgSouth	AGS Prichard RR	51.5	13	56.0	.	43	3.3	.	.	1.0
Asgrow	H7242RR	51.0	19	54.4	.	42	1.3	.	.	1.0
Asgrow	AG7502	51.0	28	51.5	.	39	3.3	.	.	1.0
AgSouth	AGS Benning	50.9	27	51.6	.	44	2.0	.	.	1.0
Asgrow	AG7501	49.8	32	50.2	.	44	3.7	.	.	1.0
AgSouth	AGS758RR	49.7	23 ^T	53.1	.	38	2.0	.	.	1.0
Public Variety	Motte	49.7	30	50.7	.	43	3.3	.	.	1.0
SS	RT7999N	49.3	20 ^T	54.1	.	48	2.3	.	.	1.0
USG	7732nRR	49.2	24	52.8	.	42	3.0	.	.	1.0
UGA	G07PR-443	49.1	20 ^T	54.1	.	39	2.7	.	.	1.0
Pioneer	97M50	48.8	35	46.9	.	37	2.7	.	.	1.0
UGA	G04-3248RR	46.6	36	46.8	.	41	3.3	.	.	1.0
UGA	G-Has(4)PHY-1	44.8	31 ^T	50.6	.	41	2.3	.	.	1.0
UGA	G05-3758RR	.	7	57.8	.	48	2.7	.	.	1.0
UGA	G05-1481RR	.	8	57.3	.	40	1.0	.	.	1.0
AU	AU02-2814	.	9	57.0	.	41	2.7	.	.	1.0
UGA	G05-2468RR	.	10	56.4	.	43	2.0	.	.	1.0
UGA	G05-2505RR	.	12	56.1	.	45	2.7	.	.	1.0
AgSouth	AGS747RR	.	15	55.1	.	45	1.7	.	.	1.0
UGA	G05-4237RR	.	18	54.5	.	44	3.0	.	.	1.0
Public Variety	NC Raleigh	.	20 ^T	54.1	.	39	3.7	.	.	1.0
UGA	G05-1200RR	.	22	53.3	.	41	1.0	.	.	1.0
USG	77S09	.	25	52.4	.	43	1.3	.	.	1.0
UGA	G05-2324RR	.	26 ^T	51.9	.	45	2.7	.	.	1.0
SC	SC02-208RR	.	33	49.5	.	44	1.0	.	.	1.0
UGA	G05-1209RR	.	34	48.7	.	50	2.3	.	.	1.0
Average		52.4		54.0 ⁸	.	42	2.4	.	.	1.0
LSD at 10% Level		N.S.		N.S.		3	0.7			-
Std. Err. of Entry Mean		2.1		3.6		1	0.3			-

Plains, Georgia: Early-Planted Soybean Variety Performance, 2009, Irrigated (Continued)

* 2008-2009.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 8.9% and df for EMS = 68.
6. CV = 11.1% and df for EMS = 44.
7. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
8. CV = 11.9% and df for EMS = 84.

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

Planted: June 17, 2009.

Harvested: November 20, 2009.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.1.

Fertilization: 20 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Previous Crop: Cotton.

Management: Disked, subsoiled, and rototilled; Reflex, Prowl, and First Rate used for weed control; irrigated 1.0 inch.

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

Plains, Georgia: Late-Planted Soybean Variety Performance, 2009, Irrigated

Company or Brand Name	Variety	2-Year*	2009 Data							
		Average Yield bu/acre	Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group VII and VIII</u>										
DynaGro	V76N9RR	57.3	1	55.7	.	31	2.7	.	.	1.0
Asgrow	AG7501	56.5	7	51.8	.	33	2.3	.	.	1.0
USG	77U28	54.3	10 ^T	50.4	.	31	3.0	.	.	1.0
Progeny	7208RR	53.7	6	52.6	.	30	1.7	.	.	1.0
DynaGro	35K73	52.6	5	53.3	.	26	2.7	.	.	1.0
Asgrow	DP7330RR	51.3	13	48.3	.	28	2.7	.	.	1.0
UGA	G03-1187RR	51.3	17	47.2	.	25	2.0	.	.	1.0
UGA	G04-2215RR	51.1	26 ^T	43.7	.	20	1.0	.	.	1.0
AgSouth	AGS Woodruff	50.8	15	47.7	.	27	1.7	.	.	1.0
Asgrow	DP7870RR	50.2	9 ^T	50.6	.	31	3.0	.	.	1.0
Public Variety	Cook	49.9	10 ^T	50.4	.	27	3.0	.	.	1.0
AgSouth	AGS Prichard RR	49.4	9 ^I	50.6	.	33	3.7	.	.	1.0
AgSouth	AGS758RR	49.0	26 ^T	43.7	.	28	3.7	.	.	1.0
SS	RT7270N	48.5	10 ^T	50.4	.	30	3.0	.	.	1.0
NK	S80-P2	48.5	20	46.4	.	25	1.7	.	.	1.0
SS	RT7999N	48.4	11	50.1	.	31	1.7	.	.	1.0
NK	S78-G6	48.0	30	42.6	.	26	2.0	.	.	1.0
Public Variety	Motte	47.9	18	47.0	.	26	2.3	.	.	1.0
Asgrow	AG7502	47.6	21	45.9	.	29	2.7	.	.	1.0
UGA	G04-2414RR	47.5	24	44.6	.	25	1.0	.	.	1.0
Asgrow	H7242RR	46.4	27	43.5	.	27	1.7	.	.	1.0
UGA	G07PR-443	46.2	14	48.1	.	24	1.7	.	.	1.0
Pioneer	97M50	46.2	23	45.5	.	23	1.3	.	.	1.0
UGA	G04-1618RR	45.8	35	37.7	.	24	2.3	.	.	1.0
Public Variety	Santee	45.4	25	43.9	.	23	1.7	.	.	1.0
UGA	G04-3248RR	45.3	22	45.7	.	23	2.0	.	.	1.0
NK	S74-W6	44.7	38	34.9	.	20	2.3	.	.	1.0
USG	7732nRR	43.3	34	39.0	.	23	1.7	.	.	1.0
UGA	G-Has(4)PHY-1	42.0	36	37.3	.	25	3.0	.	.	1.0
AgSouth	AGS Benning	35.3	39	22.7	.	19	1.3	.	.	1.0
UGA	G05-2468RR	.	2	55.6	.	29	2.0	.	.	1.0
UGA	G05-4237RR	.	3	54.8	.	27	1.7	.	.	1.0
Public Variety	NC Raleigh	.	4	54.3	.	23	1.7	.	.	1.0
UGA	G05-3758RR	.	8	51.7	.	25	2.3	.	.	1.0
AgSouth	AGS747RR	.	12	49.5	.	28	1.0	.	.	1.0
USG	77S09	.	16	47.3	.	30	2.3	.	.	1.0
AU	AU02-2814	.	19	46.7	.	25	1.7	.	.	1.0
UGA	G05-1209RR	.	28	42.9	.	29	1.3	.	.	1.0
SC	SC02-208RR	.	29	42.7	.	24	1.0	.	.	1.0
UGA	G05-2505RR	.	31	40.5	.	26	1.3	.	.	1.0
UGA	G05-1200RR	.	32	40.1	.	24	1.0	.	.	1.0
UGA	G05-2324RR	.	33	39.9	.	26	2.3	.	.	1.0
UGA	G05-1481RR	.	37	35.4	.	23	1.0	.	.	1.0
Average		48.5		45.9 ⁵	.	26	2.0	.	.	1.0
LSD at 10% Level		8.2		8.3		3	0.7			-
Std. Err. of Entry Mean		2.0		3.5		1	0.3			-

Plains, Georgia: Late-Planted Soybean Variety Performance, 2009, Irrigated (Continued)

* 2008-2009.

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 = 13.3% and df for EMS = 84.
7. 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: July 10, 2009.

Harvested: November 20, 2009.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.1.

Fertilization: 20 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Previous Crop: Cotton.

Management: Disked, subsoiled, rototilled; Prowl and Reflex used for weed control; irrigated 3.0 inches.

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

Midville, Georgia: Early-Planted Soybean Variety Performance, 2009, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield bu/acre	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group V</u>										
SS	RT5160N	76.2	11	75.4	10/23	37	1.0	.	.	1.0
Public Variety	Osage	75.1	5	79.1	10/25	29	1.0	.	.	1.0
DynaGro	33X55	73.6	9	75.7	10/25	36	1.0	.	.	1.0
Progeny	5650RR	73.2	12	74.3	10/28	43	3.0	.	.	1.0
Pioneer	95Y20	73.2	23	69.1	10/23	35	1.0	.	.	1.0
Asgrow	AG5905	72.4	19	70.8	10/27	44	1.7	.	.	1.0
USG	75Z98	71.3	10	75.5	10/27	35	2.3	.	.	1.0
SS	RT5930N	70.4	25	67.2	10/26	37	1.0	.	.	1.0
SS	RT5951N	69.2	14	72.3	10/23	35	1.0	.	.	1.0
Progeny	5706RR	69.0	15 ^T	72.2	10/26	41	1.7	.	.	1.0
AgSouth	AGS568RR	69.0	17	71.5	10/23	35	1.0	.	.	1.0
USG	Allen	67.0	13	72.9	10/29	37	1.3	.	.	1.0
SS	RT5760N	66.5	29	62.5	10/23	29	1.0	.	.	1.0
SS	RT5960N	66.4	27	65.9	10/21	39	1.0	.	.	1.0
Schillinger	557RC	66.1	28	65.7	10/20	35	1.0	.	.	1.0
Progeny	5622RR	63.0	31	56.8	10/25	38	1.3	.	.	1.0
Pioneer	95Y70	.	1	84.0	10/24	41	2.0	.	.	1.0
DynaGro	32B57	.	2	82.4	10/24	37	1.0	.	.	1.0
DynaGro	33C59	.	3	81.2	10/27	36	2.7	.	.	1.0
SS	LL511N	.	4	80.3	10/24	27	1.0	.	.	1.0
UGA	R04-357	.	6	77.9	10/25	37	2.7	.	.	1.0
SS	LL595N	.	7	76.3	10/25	35	1.3	.	.	1.0
Terral	TV54R28	.	8	75.9	10/21	35	1.3	.	.	1.0
Asgrow	DP5915RR	.	15 ^T	72.2	10/29	36	2.0	.	.	1.0
DynaGro	35F55	.	16	72.1	10/25	41	2.7	.	.	1.0
SS	RT5471N	.	18	70.9	10/22	35	1.3	.	.	1.0
Terral	TV55R15	.	20	70.0	10/23	38	2.7	.	.	1.0
US Seeds	HALO 5:25	.	21	69.9	10/23	28	1.0	.	.	1.0
US Seeds	HALO 5:65	.	22	69.2	10/31	36	1.0	.	.	1.0
Schillinger	5440R	.	24	67.5	10/20	31	1.0	.	.	1.0
US Seeds	HALO 4:94	.	26	66.9	10/21	39	1.0	.	.	1.0
Terral	TV49R19	.	30	60.4	10/15	35	1.0	.	.	1.0
US Seeds	HALO 4:65	.	32	52.9	10/18	37	1.0	.	.	1.0
Terral	TV47R18	.	33	50.4	10/14	39	1.7	.	.	1.0
Terral	TV49R17	.	34	49.6	10/14	46	2.0	.	.	1.0
Average		70.1		70.2 ⁵	10/23	36	1.5	.	.	1.0
LSD at 10% Level		N.S. ⁶		11.5	04	3	0.6			-
Std. Err. of Entry Mean		3.4		4.8	02	1	0.2			-

**Midville, Georgia:
Early-Planted Soybean Variety Performance, 2009, Irrigated
(Continued)**

Company or Brand Name	Variety	2-Year* Average Yield	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group VI</u>										
Asgrow	AG6702	77.7	8	77.8	11/07	39	2.3	.	.	1.0
AgSouth	AGS606RR	77.4	5	80.8	10/27	35	1.7	.	.	1.0
SS	RT6451N	76.3	6	80.5	10/27	39	2.3	.	.	1.0
USG	620nRR	75.3	7	79.5	11/03	40	3.0	.	.	1.0
AR	R03-1232	74.0	14	72.0	10/29	38	2.0	.	.	1.0
Progeny	6208RR	72.4	9	77.4	10/28	42	2.7	.	.	1.0
AR	R01-327	72.3	16	71.3	10/31	33	1.3	.	.	1.0
Asgrow	AG6301	71.8	15	71.8	10/28	39	2.0	.	.	1.0
Public Variety	Musen	71.3	10	76.4	11/03	41	3.3	.	.	1.0
USG	76S17	70.2	18	70.1	10/30	39	2.0	.	.	1.0
NK	S61-Q2	69.8	11	75.8	10/26	41	1.3	.	.	1.0
SS	RT6207N	69.4	19	69.9	10/29	39	1.3	.	.	1.0
AR	R01-2346	69.3	21	67.6	10/27	36	2.7	.	.	1.0
USG	7635nRR	67.7	22	66.9	10/30	41	1.7	.	.	1.0
SS	RT6988N	66.9	23	66.0	10/31	44	5.3	.	.	1.0
UGA	G05-1102RR	.	1	86.5	11/06	42	1.7	.	.	1.0
Public Variety	NC Roy	.	2	82.4	11/04	36	3.7	.	.	1.0
USG	76S79	.	3	81.8	10/31	41	2.0	.	.	1.0
DynaGro	SX09667	.	4	81.0	11/02	37	1.7	.	.	1.0
Public Variety	Desha	.	12	75.5	11/02	41	2.0	.	.	1.0
DynaGro	V622NRR	.	13	74.0	11/01	39	3.0	.	.	1.0
Progeny	6708RR	.	17	70.8	11/02	37	2.3	.	.	1.0
SC	SC02-011RR	.	20	68.3	11/01	45	2.0	.	.	1.0
Average		72.1		75.0 ⁷	10/31	39	2.3	.	.	1.0
LSD at 10% Level		N.S.		N.S.	03	3	N.S.			-
Std. Err. of Entry Mean		3.0		4.7	01	1	0.8			-

Midville, Georgia:
Early-Planted Soybean Variety Performance, 2009, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group VII and VIII</u>										
AgSouth	AGS Woodruff	85.3	1	91.2	.	37	1.7	.	.	1.0
SS	RT7270N	79.0	3	85.7	.	40	1.7	.	.	1.0
Asgrow	AG7501	78.5	6	81.7	.	41	2.7	.	.	1.0
USG	7732nRR	77.0	10	79.2	.	40	2.7	.	.	1.0
UGA	G04-2215RR	76.9	5	82.4	.	36	1.3	.	.	1.0
UGA	G04-2414RR	76.3	22	74.2	.	41	2.0	.	.	1.0
UGA	G-Has(4)PHY-1	74.9	7	80.7	.	38	3.0	.	.	1.0
Asgrow	DP7870RR	73.5	4	82.6	.	40	3.0	.	.	1.0
Asgrow	AG7502	73.1	2	85.8	.	39	2.7	.	.	1.0
Progeny	7208RR	72.9	14	76.9	.	41	2.0	.	.	1.0
Public Variety	Cook	72.3	15	76.3	.	37	3.3	.	.	1.0
UGA	G07PR-443	71.6	19	75.0	.	37	3.0	.	.	1.0
USG	77U28	71.6	23	74.0	.	40	2.3	.	.	1.0
DynaGro	V76N9RR	70.9	27 ^T	72.0	.	39	3.0	.	.	1.0
Asgrow	DP7330RR	70.7	28	71.9	.	38	2.3	.	.	1.0
DynaGro	35K73	70.2	11	78.0	.	37	2.3	.	.	1.0
NK	S74-W6	69.8	13	77.1	.	35	1.7	.	.	1.0
UGA	G03-1187RR	69.8	20	74.5	.	38	1.7	.	.	1.0
UGA	G04-1618RR	69.8	30	71.6	.	37	2.0	.	.	1.0
Public Variety	Santee	69.8	35	67.9	.	40	1.7	.	.	1.0
NK	S80-P2	69.5	26 ^T	72.2	.	38	1.7	.	.	1.0
AgSouth	AGS758RR	68.8	34	68.3	.	34	2.0	.	.	1.0
Pioneer	97M50	68.5	24	73.5	.	37	2.0	.	.	1.0
Asgrow	H7242RR	66.7	31	71.1	.	39	2.0	.	.	1.0
NK	S78-G6	65.9	27 ^T	72.0	.	39	1.7	.	.	1.0
AgSouth	AGS Benning	65.9	29	71.7	.	39	2.0	.	.	1.0
SS	RT7999N	64.0	36	67.1	.	43	1.7	.	.	1.0
UGA	G04-3248RR	62.1	40	62.0	.	38	3.3	.	.	1.0
AgSouth	AGS Prichard RR	61.8	41	61.5	.	42	3.0	.	.	1.0
Public Variety	Motte	61.3	39	63.5	.	39	2.7	.	.	1.0
UGA	G05-1481RR	.	8	80.2	.	35	1.3	.	.	1.0
UGA	G05-1200RR	.	9	79.9	.	35	1.7	.	.	1.0
UGA	G05-3758RR	.	12	77.4	.	42	1.7	.	.	1.0
UGA	G05-4237RR	.	16	76.2	.	37	2.3	.	.	1.0
USG	77S09	.	17	75.5	.	37	2.0	.	.	1.0
Public Variety	NC Raleigh	.	18	75.4	.	37	2.7	.	.	1.0
UGA	G05-1209RR	.	21	74.4	.	43	2.0	.	.	1.0
AU	AU02-2814	.	25	72.4	.	39	2.7	.	.	1.0
SC	SC02-208RR	.	26 ^T	72.2	.	36	1.3	.	.	1.0
AgSouth	AGS747RR	.	32	70.4	.	40	1.0	.	.	1.0
UGA	G05-2505RR	.	33	68.4	.	43	1.7	.	.	1.0
UGA	G05-2468RR	.	37	66.3	.	41	2.0	.	.	1.0
UGA	G05-2324RR	.	38	65.3	.	41	2.7	.	.	1.0
Average		70.9		74.3 ⁸	.	39	2.2	.	.	1.0
LSD at 10% Level		7.9		10.8		3	0.7			-
Std. Err. of Entry Mean		2.6		4.5		1	8.3			-

Midville, Georgia: Early-Planted Soybean Variety Performance, 2009, Irrigated (Continued)

* 2008-2009.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 12.0% and df for EMS = 68.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 11.0% and df for EMS = 44.
8. CV = 10.7% and df for EMS = 84.

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 10, 2009.

Harvested: November 17, 2009.

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

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = High, and pH = 6.2.

Fertilization: 18 lb N, 46 lb P₂O₅, and 80 lb K₂O/acre.

Previous Crop: Cotton.

Management: Disked, subsoiled and bedded, rototilled; Valor and Prefix used for weed control; irrigated 6.0 inches.

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

Griffin, Georgia: Early-Planted Soybean Variety Performance, 2009, Irrigated

Company or Brand Name	Variety	2-Year*	2009 Data							
		Average Yield bu/acre	Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ^{3,**} rating	Shatt. ⁴ rating
<u>Maturity Group V</u>										
Progeny	5650RR	63.8	4	64.5	10/05	34	1.3	18.7	2.2	1.0
Progeny	5706RR	61.4	1	66.5	10/08	33	1.0	20.7	1.7	1.0
USG	75Z98	57.0	11 ^T	57.4	09/27	30	1.0	22.1	2.7	1.0
SS	RT5760N	56.5	22	52.3	09/22	32	1.0	21.5	3.0	1.0
AgSouth	AGS568RR	56.4	20	53.8	10/05	32	1.0	21.3	2.2	1.0
Schillinger	557RC	56.2	14	56.0	09/29	31	1.0	18.4	3.2	1.0
DynaGro	33X55	56.0	5	62.2	09/27	33	1.0	18.4	1.8	1.0
SS	RT5160N	55.3	15	55.8	09/22	31	1.0	17.6	3.0	1.0
Asgrow	AG5905	54.7	18	54.3	10/03	34	1.0	19.0	2.3	1.0
SS	RT5951N	53.8	9	59.5	10/05	32	1.0	23.6	1.8	1.0
SS	RT5960N	53.4	27	46.8	09/25	34	1.0	20.9	2.3	1.0
Progeny	5622RR	53.1	26	48.8	09/29	32	1.0	17.1	2.3	1.0
Pioneer	95Y20	52.5	16	55.2	09/25	31	1.0	19.1	2.7	1.0
SS	RT5930N	52.5	21	53.0	10/02	35	1.0	18.5	2.3	1.0
USG	Allen	50.8	23	51.5	10/11	33	1.0	19.5	1.8	1.0
Public Variety	Osage	50.4	8 ^T	61.7	09/23	30	1.0	17.6	3.7	1.0
SS	LL595N	.	2	66.4	10/07	33	1.0	18.8	2.5	1.0
Pioneer	95Y70	.	3	65.7	10/10	37	1.3	18.5	1.5	1.0
US Seeds	HALO 5:65	.	6 ^T	62.1	10/07	32	1.0	20.1	2.3	1.0
Asgrow	DP5915RR	.	6 ^T	62.1	10/09	36	1.0	19.3	1.5	1.0
DynaGro	33C59	.	7	61.8	09/28	31	1.0	21.4	2.5	1.0
UGA	R04-357	.	8 ^T	61.7	09/22	35	1.3	17.6	3.0	1.0
Terral	TV55R15	.	10	58.4	09/30	35	1.7	21.5	2.5	1.0
SS	LL511N	.	11 ^T	57.4	09/22	26	1.0	18.7	4.0	1.0
DynaGro	35F55	.	12	56.6	09/30	35	2.7	20.9	2.5	1.0
DynaGro	32B57	.	13	56.4	09/26	35	1.0	20.5	2.0	1.0
US Seeds	HALO 5:25	.	17	54.6	09/23	27	1.0	17.5	3.7	1.0
US Seeds	HALO 4:94	.	19	54.0	09/21	30	1.0	19.0	4.2	1.0
Terral	TV49R17	.	24	51.0	09/10	39	1.3	19.5	4.2	1.0
SS	RT5471N	.	25	50.1	09/23	28	1.0	19.7	3.2	1.0
Schillinger	5440R	.	28	45.4	09/22	27	1.0	14.6	3.3	1.0
Terral	TV54R28	.	29	43.4	09/14	29	1.0	19.2	3.3	1.0
Terral	TV49R19	.	30	42.9	09/09	26	1.0	18.2	4.3	1.0
US Seeds	HALO 4:65	.	31	36.9	09/21	30	1.0	18.1	5.0	1.0
Terral	TV47R18	.	32	30.9	09/08	29	1.0	16.4	4.8	1.0
Average		55.2		54.8 ⁵	09/27	32	1.1	19.2	2.8	1.0
LSD at 10% Level		N.S. ⁶		7.7	05	3	0.4	-	0.6	-
Std. Err. of Entry Mean		2.4		3.3	02	1	0.2	-	0.2	-

** Seed quality rating higher than normal on Maturity Group V due to delayed harvest caused by prolonged rainfall and wet soil conditions.

Griffin, Georgia:
Early-Planted Soybean Variety Performance, 2009, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group VI</u>										
Asgrow	AG6301	66.1	2	67.1	10/16	33	1.0	20.8	1.7	1.0
AR	R01-327	65.9	4	66.7	10/08	36	1.0	25.1	2.0	1.0
USG	620nRR	63.2	6	64.5	10/12	37	1.0	20.6	1.7	1.0
AR	R03-1232	62.8	8	63.2	09/27	34	1.0	18.1	2.3	1.0
Asgrow	AG6702	60.8	3 ^T	67.0	10/22	38	1.0	17.8	2.0	1.0
USG	76S17	60.3	9	62.8	10/07	37	1.0	18.5	1.7	1.0
AgSouth	AGS606RR	59.6	3 ^T	67.0	10/07	33	1.0	19.6	1.5	1.0
AR	R01-2346	58.9	11	61.0	09/26	32	1.0	19.9	2.2	1.0
USG	7635nRR	57.9	12	60.6	10/10	36	1.0	22.0	1.8	1.0
SS	RT6988N	56.7	18	54.1	10/21	35	1.0	18.7	2.2	1.0
SS	RT6207N	56.5	19	53.7	10/06	32	1.0	17.5	2.0	1.0
NK	S61-Q2	56.2	20	48.9	10/06	35	1.0	15.5	2.3	1.0
Public Variety	Musen	54.9	17	56.2	10/22	35	2.3	16.1	1.5	1.0
SS	RT6451N	54.6	15	57.5	10/11	34	1.0	17.8	2.0	1.0
Progeny	6208RR	48.5	21	47.7	10/11	35	1.0	24.0	2.2	1.0
UGA	G05-1102RR	.	1	67.5	10/20	35	1.0	18.3	1.7	1.0
DynaGro	V622NRR	.	5	66.1	10/14	37	1.0	21.2	1.8	1.0
SC	SC02-011RR	.	7	64.1	10/18	36	1.0	19.3	1.2	1.0
USG	76S79	.	10	62.7	10/20	42	1.0	17.0	1.7	1.0
Public Variety	NC Roy	.	13	60.4	10/20	35	1.0	16.4	1.7	1.0
Progeny	6708RR	.	14	58.0	10/16	35	1.3	20.8	1.7	1.0
Public Variety	Desha	.	16 ^T	57.2	10/06	33	1.0	19.5	1.5	1.0
DynaGro	SX09667	.	16 ^T	57.2	10/14	34	1.7	20.5	2.0	1.0
Average		58.9		60.5 ⁷	10/12	35	1.1	19.3	1.8	1.0
LSD at 10% Level		N.S.		7.6	03	3	0.5	-	0.4	-
Std. Err. of Entry Mean		2.8		3.2	01	1	0.2	-	0.2	-

* 2008-2009

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 = 10.4% and df for EMS = 68.

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

7. CV = 9.2% and df for EMS = 44.

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 15, 2009.

Harvested: October 26, 2009

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

Soil Type: Pacolet coarse sandy loam.

Soil Test: P = High, K = Very High, and pH = 5.9.

Fertilization: 30 lb N, 60 lb P₂O₅, and 90 lb K₂O/acre.

Previous Crop: Corn.

Management: Chisel plowed, disked and rototilled; Roundup used on RR lines, Lasso and Poast used on conventional lines for weed control; irrigated 10.0 inches.

Test conducted by J. Gassett and G. Ware.

Griffin, Georgia: Late-Planted Soybean Variety Performance, 2009, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield bu/acre	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ^{3,**} rating	Shatt. ⁴ rating
<u>Maturity Group VII and VIII</u>										
DynaGro	V76N9RR	44.9	1	58.3	11/01	34	2.0	14.5	1.5	1.0
USG	7732nRR	44.0	10 ^T	51.9	11/03	34	2.5	18.5	1.5	1.0
Pioneer	97M50	42.6	11	51.8	11/02	31	1.7	15.3	1.3	1.0
UGA	G04-2215RR	42.4	7	53.3	11/02	27	1.0	13.7	2.0	1.0
Asgrow	H7242RR	42.2	9	52.7	10/21	34	1.8	16.3	1.8	1.0
Asgrow	AG7501	42.0	2	56.8	11/05	36	1.3	18.6	1.5	1.0
SS	RT7270N	41.8	10 ^T	51.9	11/04	34	2.8	15.0	1.5	1.0
AgSouth	AGS Woodruff	41.3	6	53.9	11/04	28	1.5	17.5	1.8	1.0
AgSouth	AGS 758RR	41.1	21 ^T	48.8	10/31	31	2.3	16.1	1.8	1.0
Asgrow	AG7502	40.7	18 ^T	49.5	11/06	32	1.8	15.9	1.7	1.0
UGA	G03-1187RR	40.6	12	51.7	11/03	29	1.2	16.1	2.0	1.0
NK	S78-G6	40.1	4	54.9	11/05	33	1.0	19.0	1.8	1.0
Asgrow	DP7870RR	40.1	21 ^T	48.8	11/02	33	1.7	16.9	2.0	1.0
UGA	G04-1618RR	39.9	22	48.6	11/01	30	2.5	16.4	1.3	1.0
Asgrow	DP7330RR	39.5	19	49.2	10/29	30	1.5	16.6	1.7	1.0
UGA	G04-3248RR	39.3	16	49.7	11/06	31	1.5	17.0	2.0	1.0
AgSouth	AGS Prichard RR	38.8	18 ^T	49.5	11/06	34	2.7	15.1	1.5	1.0
Public Variety	Motte	38.7	35 ^T	39.9	11/04	33	3.0	17.4	2.0	1.0
Public Variety	Cook	37.8	14	50.7	11/02	29	1.8	17.4	1.8	1.0
Progeny	P7208RR	37.3	25	47.9	11/06	32	1.5	16.9	1.8	1.0
NK	S80-P2	37.2	15	50.6	11/02	31	1.0	19.1	1.7	1.0
USG	77U28	37.2	20 ^T	48.9	11/05	33	1.8	18.2	1.7	1.0
DynaGro	35K73	36.9	29	45.8	10/31	35	1.7	18.9	1.8	1.0
NK	S74-W6	36.6	33	42.2	11/01	28	1.3	18.3	1.8	1.0
SS	RT7999N	36.5	26	47.8	11/02	38	1.5	16.4	1.8	1.0
UGA	G07PR-443	36.5	31	44.9	11/03	30	2.0	15.9	1.8	1.0
UGA	G04-2414RR	35.9	17	49.6	11/03	28	1.0	14.6	1.8	1.0
Public Variety	Santee	34.5	35 ^T	39.9	11/02	28	1.2	18.0	1.8	1.0
UGA	G-Has(4)PHY-1	34.3	34	41.7	11/03	26	2.3	18.2	1.8	1.0
AgSouth	AGS Benning	31.9	36	39.0	11/02	26	1.0	16.7	2.2	1.0
UGA	G05-1200RR	.	3	55.1	11/04	33	1.2	14.5	1.8	1.0
USG	77S09	.	5	54.6	10/30	31	1.2	17.9	1.7	1.0
UGA	G05-1481RR	.	8	53.0	10/31	28	1.0	16.5	2.0	1.0
SC	SC02-208RR	.	13	50.8	11/03	32	1.0	16.7	1.5	1.0
UGA	G05-1209RR	.	20 ^T	48.9	11/04	34	2.0	15.8	2.0	1.0
UGA	G05-2505RR	.	21 ^T	48.8	11/02	31	1.5	15.9	1.5	1.0
UGA	G05-3758RR	.	23	48.5	11/02	36	1.5	15.0	1.3	1.0
UGA	G05-4237RR	.	24	48.0	11/06	31	1.2	16.4	1.5	1.0
UGA	G05-2324RR	.	27	47.7	11/03	34	1.5	17.1	1.8	1.0
UGA	G05-2468RR	.	28	46.2	11/03	31	1.7	15.1	1.8	1.0
AU	AU02-2814	.	30	45.1	11/03	29	1.7	16.3	1.7	1.0
AgSouth	AGS747RR	.	32	43.7	11/05	32	1.0	17.6	1.3	1.0
Public Variety	NC Raleigh	.	37	38.6	10/31	25	1.0	18.1	1.8	1.0
Average		39.1		48.8 ⁵	11/02	31	1.6	16.7	1.7	1
LSD at 10% Level		N.S. ⁶		6.4	04	4	0.7	-	0.4	-
Std. Err. of Entry Mean		1.5		2.7	02	2	0.2	-	0.2	-

**Griffin, Georgia:
Early-Planted Soybean Variety Performance, 2009, Irrigated
(Continued)**

* 2008-2009

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 = 9.7% and df for EMS = 84.
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: July 9, 2009.

Harvested: November 20, 2009.

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

Soil Type: Cecil sandy clay loam.

Soil Test: P = Medium, K = High, and pH = 6.2.

Fertilization: 30 lb N, 60 lb P_2O_5 , and 90 lb K_2O /acre.

Previous Crop: Corn.

Management: Chisel plowed, disked and rototilled; Roundup used on RR lines, Lasso and Poast used on conventional lines for weed control; irrigated 8.0 inches.

Test conducted by J. Gassett and G. Ware.

Athens, Georgia: Early-Planted Soybean Variety Performance, 2009, Irrigated

Company or Brand Name	Variety	2-Year* Average Yield bu/acre	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group V</u>										
Progeny	5650RR	57.4	3	73.8	10/11	32	1.3	13.6	2.0	1.0
AgSouth	AGS568RR	56.7	9	72.1	10/10	27	1.0	17.0	1.7	1.0
Pioneer	95Y20	55.1	6	72.7	10/07	25	1.0	15.3	2.0	1.0
Progeny	5622RR	54.7	16	69.0	10/08	27	1.0	14.9	2.2	1.0
Asgrow	AG5905	54.6	2	74.2	10/16	34	1.0	16.1	2.0	1.0
DynaGro	33X55	53.8	13	69.5	10/09	25	1.0	16.6	1.7	1.0
SS	RT5930N	53.0	17	68.8	10/12	27	1.0	15.6	2.2	1.0
USG	Allen	53.0	18	68.6	10/19	31	1.0	15.4	2.0	1.0
USG	75Z98	51.7	19	66.9	10/09	27	1.0	16.8	2.5	1.0
Public Variety	Osage	50.5	20	66.2	10/04	22	1.0	12.9	2.3	1.0
SS	RT5960N	50.2	22	65.8	10/09	27	1.0	16.2	1.8	1.0
SS	RT5760N	49.4	26	63.1	10/04	23	1.0	18.0	2.5	1.0
SS	RT5951N	49.3	21	66.1	10/10	25	1.0	18.0	2.0	1.0
SS	RT5160N	48.6	27	62.5	10/04	26	1.0	16.4	2.5	1.0
Progeny	5706RR	47.5	30	59.3	10/15	27	1.0	14.5	1.8	1.0
Schillinger	557RC	47.2	28	62.3	10/09	26	1.0	15.5	2.7	1.0
US Seeds	HALO 4:94	.	1	77.1	10/01	35	1.0	14.6	2.3	1.0
Pioneer	95Y70	.	4	73.6	10/17	36	1.0	14.9	2.0	1.0
Terral	TV55R15	.	5	73.2	10/06	37	2.0	18.2	2.0	1.0
Terral	TV54R28	.	7	72.5	10/03	32	1.7	16.9	2.0	1.0
DynaGro	33C59	.	8	72.2	10/11	28	1.0	17.2	2.0	1.0
UGA	R04-357	.	10	71.3	10/09	29	1.3	15.8	2.7	1.0
Asgrow	DP5915RR	.	11	70.5	10/14	27	1.0	15.7	2.0	1.0
SS	LL595N	.	12	70.0	10/15	26	1.0	14.9	2.3	1.0
DynaGro	32B57	.	14	69.4	10/07	28	1.0	18.6	1.8	1.0
US Seeds	HALO 5:65	.	15	69.1	10/18	26	1.0	14.4	2.3	1.0
US Seeds	HALO 5:25	.	23	65.7	10/08	20	1.0	17.4	2.7	1.0
SS	LL511N	.	24	64.6	10/07	22	1.0	16.7	2.7	1.0
US Seeds	HALO 4:65	.	25	63.7	09/18	21	1.0	15.2	5.0	1.0
SS	RT5471N	.	29	61.1	10/03	24	1.0	15.2	2.2	1.0
DynaGro	35F55	.	31	58.9	10/04	31	1.3	16.7	2.2	1.0
Terral	TV49R17	.	32	56.6	09/18	41	1.0	15.5	5.0	1.0
Schillinger	5440R	.	33	55.5	10/05	24	1.0	13.8	2.5	1.0
Terral	TV47R18	.	34	52.9	09/18	31	1.3	13.9	5.0	1.0
Terral	TV49R19	.	35	47.5	09/18	19	1.0	14.6	5.0	1.0
Average		52.0		66.5 ⁵	10/06	28	1.1	15.8	2.5	1.0
LSD at 10% Level		4.2		10.0	04	6	0.3	1.2	0.4	-
Std. Err. of Entry Mean		2.6		4.2	02	3	0.1	0.5	0.2	-

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2009, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group VI</u>										
SS	RT6207N	53.7	1	51.9	10/16	27	1.0	14.0	2.0	1.0
AR	R01-327	53.5	4	49.1	10/12	26	1.0	18.0	2.2	1.0
SS	RT6988N	52.6	7 ^T	47.6	10/20	30	1.0	14.9	1.5	1.0
Asgrow	AG6702	51.6	7 ^T	47.6	10/23	28	1.0	15.7	1.7	1.0
SS	RT6451N	51.4	5	48.4	10/18	28	1.0	13.9	2.2	1.0
AR	R01-2346	51.1	9 ^T	46.9	10/03	23	1.0	16.3	2.3	1.0
NK	S61-Q2	50.2	11	45.1	10/07	28	1.0	16.6	1.8	1.0
USG	76S17	49.8	8	47.3	10/11	27	1.0	15.4	2.0	1.0
USG	620nRR	48.3	9 ^T	46.9	10/16	27	1.7	15.7	2.0	1.0
AgSouth	AGS606RR	48.1	16	42.7	10/08	23	1.0	16.4	2.2	1.0
Progeny	6208RR	47.3	15	42.8	10/11	29	1.3	16.4	1.7	1.0
Public Variety	Musen	47.2	6	48.2	10/24	31	1.7	13.5	1.7	1.0
AR	R03-1232	47.2	10	45.4	10/09	24	1.0	16.5	2.8	1.0
Asgrow	AG6301	45.2	19	39.3	10/08	26	1.0	16.0	1.8	1.0
USG	7635nRR	44.9	14 ^T	43.3	10/13	28	1.0	17.4	1.8	1.0
SC	SC02-011RR	.	2	50.2	10/13	30	1.3	14.7	1.5	1.0
DynaGro	V622NRR	.	3	49.6	10/16	27	1.3	15.1	2.3	1.0
UGA	G05-1102RR	.	7 ^T	47.6	10/23	26	1.0	13.6	1.7	1.0
Public Variety	Desha	.	12	44.0	10/08	27	1.0	14.7	2.0	1.0
DynaGro	SX09667	.	13	43.9	10/18	27	1.0	15.2	1.8	1.0
Progeny	6708RR	.	14 ^T	43.3	10/19	27	1.0	15.8	1.7	1.0
USG	76S79	.	17	42.3	10/21	32	1.0	12.2	1.5	1.0
Public Variety	NC Roy	.	18	41.3	10/19	27	1.3	14.6	1.5	1.0
Average		49.5		45.9 ⁶	10/14	27	1.1	15.3	1.9	1.0
LSD at 10% Level		4.7		N.S. ⁷	01	2	N.S.	1.4	0.4	-
Std. Err. of Entry Mean		1.7		2.6	01	1	0.2	0.6	0.2	-

Athens, Georgia:
Early-Planted Soybean Variety Performance, 2009, Irrigated
(Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group VII and VIII</u>										
AgSouth	AGS Woodruff	60.4	6	57.4	10/27	33	3.7	16.6	2.0	1.0
UGA	G04-1618RR	58.3	2	60.4	10/25	32	1.7	13.1	2.0	1.0
NK	S78-G6	56.5	4	58.0	10/26	36	1.3	16.7	2.2	1.0
DynaGro	V76N9RR	55.1	3	58.4	10/28	37	2.3	13.6	2.2	1.0
USG	77U28	54.8	11	55.3	10/21	35	1.0	14.7	1.5	1.0
UGA	G03-1187RR	54.7	17	53.0	10/28	37	1.7	13.4	1.8	1.0
SS	RT7270N	54.5	1	60.7	10/21	33	1.0	12.3	2.2	1.0
NK	S80-P2	54.5	7	56.4	10/26	39	1.0	16.4	2.0	1.0
NK	S74-W6	53.1	8	56.2	10/24	32	1.0	15.8	1.7	1.0
UGA	G04-2215RR	52.8	10	55.8	10/24	28	1.0	10.9	1.5	1.0
Asgrow	AG7501	52.6	14	54.0	10/24	37	1.3	15.9	1.8	1.0
UGA	G04-2414RR	52.2	9	56.1	10/24	35	1.0	11.4	1.5	1.0
Progeny	7208RR	52.2	23 ^T	51.7	10/22	33	1.0	14.0	1.7	1.0
Asgrow	DP7870RR	51.9	22 ^T	52.1	10/24	31	1.3	13.8	2.0	1.0
AgSouth	AGS Benning	51.4	15 ^T	53.5	10/24	34	2.0	14.1	1.7	1.0
Asgrow	AG7502	51.0	18	52.5	10/27	39	1.3	13.5	2.0	1.0
UGA	G04-3248RR	50.9	26	51.4	10/28	34	1.3	11.7	1.7	1.0
Public Variety	Cook	49.9	30	49.4	10/22	37	1.3	14.6	1.8	1.0
UGA	G07PR-443	49.6	13	54.1	10/22	33	1.3	13.4	1.5	1.0
Pioneer	97M50	49.4	19 ^T	52.4	10/23	34	1.3	13.0	1.7	1.0
AgSouth	AGS758RR	49.1	23 ^T	51.7	10/22	34	2.0	12.5	1.8	1.0
Asgrow	H7242RR	48.7	33 ^T	47.9	10/22	38	1.3	13.7	1.5	1.0
DynaGro	35K73	48.5	28 ^T	50.7	10/23	31	2.0	15.2	1.7	1.0
Asgrow	DP7330RR	48.3	27	50.8	10/21	33	1.3	13.4	1.8	1.0
Public Variety	Motte	48.1	19 ^T	52.4	10/29	36	2.0	13.9	1.7	1.0
USG	7732nRR	47.7	20	52.3	10/24	37	1.7	14.5	2.0	1.0
SS	RT7999N	47.3	22 ^T	52.1	10/29	40	1.0	13.5	1.8	1.0
Public Variety	Santee	47.1	29 ^T	49.9	10/23	36	1.3	14.0	2.3	1.0
AgSouth	AGS Prichard RR	46.9	16 ^T	53.2	10/30	40	2.0	12.8	1.7	1.0
UGA	G-Has(4)PHY-1	45.0	32	48.0	10/21	38	2.3	15.2	1.7	1.0
UGA	G05-1209RR	.	5	57.5	10/28	40	1.3	12.2	1.8	1.0
UGA	G05-3758RR	.	12	54.2	10/27	36	1.3	12.8	1.8	1.0
UGA	G05-4237RR	.	15 ^T	53.5	10/29	33	1.0	13.2	1.7	1.0
UGA	G05-1481RR	.	16 ^T	53.2	10/24	28	1.0	12.4	1.5	1.0
UGA	G05-1200RR	.	21	52.2	10/25	28	1.0	13.8	2.0	1.0
AgSouth	AGS 747RR	.	24 ^T	51.6	10/28	36	1.0	15.5	1.5	1.0
SC	SC02-208RR	.	24 ^T	51.6	10/24	34	1.0	12.8	1.7	1.0
UGA	G05-2505RR	.	25	51.5	10/26	35	1.3	13.0	1.7	1.0
Public Variety	NC Raleigh	.	28 ^T	50.7	10/26	31	1.3	13.7	2.0	1.0
UGA	G05-2468RR	.	29 ^T	49.9	10/28	32	1.3	12.4	1.8	1.0
AU	AU02-2814	.	31	48.6	10/24	36	1.3	12.6	2.0	1.0
USG	77S09	.	33 ^T	47.9	10/22	38	1.0	13.4	1.5	1.0
UGA	G05-2324RR	.	34	47.6	10/26	38	2.3	14.0	1.7	1.0
Average		51.4		53.0 ⁸	10/25	35	1.4	13.7	1.8	1.0
LSD at 10% Level		5.3		6.0	03	4	0.6	1.1	0.4	-
Std. Err. of Entry Mean		1.7		2.5	01	2	0.3	0.5	0.2	-

Athens, Georgia: Early-Planted Soybean Variety Performance, 2009, Irrigated (Continued)

* 2008-2009.

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 11.0% and df for EMS = 68.
6. CV = 10.0% and df for EMS = 44.
7. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
8. CV = 8.4% and df for EMS = 84.

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 15, 2009.

Harvested: Maturity Group V - October 26, 2009
Maturity Group VI - November 9, 2009.
Maturity Group VII & VIII - November 7, 2009.

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

Soil Type: Maturity Groups V, VII and VIII: Wedowee coarse sandy loam.
Maturity Group VI: Appling coarse sandy loam.

Soil Test: Maturity Groups V, VII and VIII: P = Medium, K = Medium, and pH = 6.4.
Maturity Group VI: P = High, K = Low, and pH = 5.7.

Fertilization: 0 lb N, 52 lb P₂O₅, and 105 lb K₂O/acre.

Previous Crop: Maturity Groups V, VII and VIII: Wheat.
Maturity Group VI: Cotton.

Management: Chiseled and disked; First Rate, Dual Magnum, Classic, and one cultivation used for weed control; subsoiled between rows after cultivation; Telone II used for nematode control; Domark 230e used for rust control; Maturity Groups V, VII and VIII irrigated 5.0 inches; Maturity Group VI irrigated 6.0 inches.

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

Calhoun, Georgia: Early-Planted Soybean Variety Performance, 2009, Irrigated

Company or Brand Name	Variety	2-Year*	2009 Data							
		Average Yield bu/acre	Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group V</u>										
SS	RT5760N	61.3	1	76.3	10/04	36	1.5	19.7	1.2	1.0
USG	75Z98	58.7	2	75.8	10/07	33	1.3	17.7	1.7	1.0
Progeny	5650RR	54.6	12 ^T	63.4	10/09	36	4.2	14.8	1.7	1.0
SS	RT5160N	53.8	8	65.8	10/05	40	1.0	17.0	1.8	1.0
AgSouth	AGS568RR	51.8	15	61.8	10/04	38	1.0	18.3	1.2	1.0
Progeny	5706RR	51.0	16	61.7	10/08	36	1.8	18.1	2.0	1.0
SS	RT5960N	50.9	4	68.1	10/04	39	1.8	17.3	1.5	1.0
Public Variety	Osage	50.3	6	66.7	10/05	35	1.7	15.4	1.7	1.0
DynaGro	33X55	49.8	9	65.1	10/04	38	1.7	18.0	1.2	1.0
Schillinger	557RC	49.6	10 ^T	64.3	10/07	35	1.3	15.3	1.3	1.0
Pioneer	95Y20	49.4	17	61.5	10/04	36	1.3	15.1	1.8	1.0
SS	RT5930N	49.3	24	55.4	10/04	37	2.2	16.3	1.5	1.0
Asgrow	AG5905	48.3	19	60.3	10/08	44	1.0	14.7	1.5	1.0
USG	Allen	48.0	22	58.1	10/10	40	1.0	17.6	1.7	1.0
Progeny	5622RR	45.8	28	49.9	10/05	41	3.5	15.4	1.5	1.0
SS	RT5951N	45.3	23	57.5	10/06	37	1.7	18.9	2.0	1.0
US Seeds	HALO 4:94	.	3	69.5	10/03	41	1.7	16.8	2.0	1.0
US Seeds	HALO 5:25	.	5	67.8	10/06	31	1.0	15.3	1.7	1.0
SS	LL511N	.	7 ^T	66.0	10/04	30	1.0	14.7	1.7	1.0
Schillinger	5440R	.	7 ^T	66.0	10/08	34	1.5	14.9	1.5	1.0
SS	RT5471N	.	10 ^T	64.3	10/06	36	1.0	17.1	1.7	1.0
Asgrow	DP5915RR	.	11	63.6	10/10	40	1.2	17.3	1.5	1.0
Terral	TV55R15	.	12 ^T	63.4	10/01	43	4.3	17.8	1.5	1.0
DynaGro	35F55	.	13	62.7	10/08	42	3.0	19.0	1.7	1.0
US Seeds	HALO 5:65	.	14	62.0	10/10	36	1.2	16.6	1.8	1.0
Terral	TV54R28	.	18	61.3	10/05	40	4.0	17.3	1.7	1.0
Terral	TV49R19	.	20	59.8	09/20	40	1.3	16.1	2.3	1.2
DynaGro	33C59	.	21 ^T	59.7	10/06	36	1.5	18.3	1.7	1.0
Pioneer	95Y70	.	21 ^T	59.7	10/06	43	4.5	16.5	1.8	1.0
DynaGro	32B57	.	25 ^T	54.9	10/04	39	1.7	18.5	1.5	1.0
SS	LL595N	.	25 ^T	54.9	10/09	40	1.8	15.6	1.7	1.0
Terral	TV49R17	.	26	53.7	09/22	46	2.0	17.7	2.7	1.0
UGA	R04-357	.	27	53.4	10/07	39	2.0	15.3	2.3	1.0
Terral	TV47R18	.	29	47.9	10/01	38	4.3	16.8	3.5	1.3
US Seeds	HALO 4:65	.	30	45.0	09/28	38	1.0	19.2	2.5	1.0
Average		51.1		61.4 ⁵	10/05	38	1.9	16.9	1.8	1.0
LSD at 10% Level		N.S. ⁶		7.7	04	3	0.9	-	0.4	0.1
Std. Err. of Entry Mean		2.1		3.3	02	1	0.4	-	0.2	0.1

Maturity Group VI

AR	R03-1232	57.7	1	59.8	10/12	37	1.0	17.5	1.2	1.0
USG	76S17	54.1	2 ^T	56.0	10/13	37	1.0	18.0	1.7	1.0
AR	R01-2346	53.9	2 ^T	56.0	10/11	36	1.3	18.6	1.8	1.0
SS	RT6207N	52.8	5	53.9	10/13	39	1.3	14.6	1.5	1.0
AR	R01-327	50.9	7	52.1	10/15	39	1.0	19.8	1.3	1.0

Calhoun, Georgia: Early-Planted Soybean Variety Performance, 2009, Irrigated (Continued)

Company or Brand Name	Variety	2-Year* Average Yield	2009 Data							
			Rank	Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatt. ⁴ rating
<u>Maturity Group VI - continued</u>										
USG	7635nRR	50.9	10	51.4	10/11	37	1.2	19.3	1.2	1.0
Asgrow	AG6702	50.4	4	54.0	10/19	41	1.7	16.4	1.5	1.0
USG	620nRR	50.2	13	48.6	10/11	37	1.0	18.2	1.7	1.0
Progeny	6208RR	49.7	8	51.9	10/12	40	1.0	19.2	1.8	1.0
AgSouth	AGS606RR	49.5	17	46.5	10/06	37	2.2	17.5	1.2	1.0
NK	S61-Q2	48.1	15	47.4	10/06	36	1.3	17.4	1.3	1.0
SS	RT6988N	47.3	18	45.7	10/21	44	1.7	17.4	1.0	1.0
Asgrow	AG6301	45.2	20	41.0	10/12	35	1.7	16.7	1.5	1.0
SS	RT6451N	43.4	21	40.0	10/08	43	1.0	12.8	1.7	1.0
Public Variety	Musen	40.6	11	49.8	10/17	41	3.3	15.1	1.7	1.0
DynaGro	V622NRR	.	3	55.4	10/10	40	1.3	16.8	1.8	1.0
Progeny	6708RR	.	6	52.3	10/17	36	1.3	17.7	1.3	1.0
UGA	G05-1102RR	.	9	51.7	10/20	37	1.0	15.2	1.0	1.0
DynaGro	SX09667	.	12	49.2	10/15	37	1.2	15.8	1.3	1.0
Public Variety	Desha	.	14	48.3	10/10	40	2.0	15.2	1.7	1.0
SC	SC02-011RR	.	16 ^T	46.8	10/17	42	2.2	15.8	1.3	1.0
Public Variety	NC Roy	.	16 ^T	46.8	10/12	37	2.3	13.6	1.5	1.0
USG	76S79	.	19	42.0	10/12	45	1.8	13.2	1.5	1.0
Average		49.7		49.9 ⁷	10/13	39	1.5	16.6	1.5	1.0
LSD at 10% Level		N.S.		7.6	04	3	1.0	-	0.3	-
Std. Err. of Entry Mean		2.2		3.2	02	2	0.4	-	0.1	-

* 2008-2009.

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 = 9.2% and df for EMS = 63.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 11.1% and df for EMS = 44.

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

Planted: May 21, 2009.

Harvested: Maturity Group V - November 4, 2009

Maturity Group VI - November 5, 2009

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

Soil Type: Waynesboro loam.

Soil Test: Maturity Group V: P = High, K = High, and pH = 5.4.

Maturity Group VI: P = Very High, K = High, and pH = 6.2.

Fertilization: 18 lb N, 45 lb P₂O₅, and 90 lb K₂O/acre.

Previous Crop: Maturity Group V: Corn

Maturity Group VI: Soybeans

Management: Moldboard plowed, disked, and rototilled; Roundup used on RR lines, Treflan, Classic, Arrow, Basagran and one cultivation used on conventional lines for weed control; irrigated 8.0 inches; Maturity Group V - applied 1 ton lime/acre.

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

Attapulugus, Georgia: Late-Planted Soybean Variety Performance, 2009, Irrigated

		2009 Data							
Company or Brand Name	Variety	Maturity Group	Yield ¹ bu/acre	Maturity date	Plant Height in	Lodging ² rating	Wt of 100 Seed gm	Seed Quality ³ rating	Shatter. ⁴ rating
Asgrow	AG6301	6.3	36.0	.	20	1.0	.	.	1.0
AgSouth	AGS 568RR	5.7	35.3	.	23	1.0	.	.	1.0
Asgrow	AG5905	5.9	33.9	.	22	1.0	.	.	1.0
Asgrow	H7242RR	7.2	31.7	.	19	1.0	.	.	1.0
AgSouth	AGS 758RR	7.6	31.7	.	21	1.0	.	.	1.0
SS	RT6207N	6.2	30.3	.	18	1.0	.	.	1.0
AgSouth	AGS Prichard RR	8.0	29.5	.	21	1.0	.	.	1.0
NK	S80-P2	8.0	28.9	.	18	1.0	.	.	1.0
Average			32.2 ⁵	.	20	1.0	.	.	1
LSD at 10% Level			N.S. ⁶		3	-			-
Std. Err. of Entry Mean			2.5		1	-			-

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 13.5% and df for EMS = 14.
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: August 5, 2009.

Harvested: November 19, 2009.

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

Soil Type: Dothan loamy sand.

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

Fertilization: 50 lb N, 50 lb P₂O₅, and 50 lb K₂O/acre; sidedress: 67 lb N/acre.

Previous Crop: Sweet corn.

Management: Disked, chisel plowed, and rototilled; irrigated 3.0 inches.

Test conducted by A. E. Coy, R. E. Brooke, D. G. Dunn and L. Hitson.