

Summary of Dryland Soybean Variety Performance at Four Locations, 2014

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

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

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

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

Research funded by the Georgia Commodity Commission for Soybean.

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

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

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

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

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

Research funded by the Georgia Commodity Commission for Soybean.

Tifton, Georgia: Dryland Soybean Variety Performance, 2014

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

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

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

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

Planted: June 3, 2014.

Harvested: November 5, 2014.

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

Soil Type: Tifton loamy sand.

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

Fertilization: 0 lb N, 0 lb P_2O_5 , and 125 lb K_2O /acre.

Previous Crop: Wheat.

Management: Disked, subsoiled, bedded, and rototilled; Dual Magnum, Select, Basagran, and Ultra Blazer used for weed control; Lorsban, Tracer, and Bifenthrin used for insect control; Telone II used for nematode control; Domark used for fungal control.

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

Research funded by the Georgia Commodity Commission for Soybean.

Plains, Georgia: Dryland Soybean Variety Performance, 2014

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

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

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

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

Planted: June 9, 2014.

Harvested: November 4, 2014.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Low, K = Medium, and pH = 6.7.

Fertilization: 46 lb N, 118 lb P₂O₅, and 72 lb K₂O/acre.

Previous Crop: Grain sorghum.

Management: Disked, chisel plowed, and bedded; Acumen, Valor, and Blazer used for weed control.

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

Research funded by the Georgia Commodity Commission for Soybean.

Midville, Georgia: Dryland Soybean Variety Performance, 2014

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

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

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

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

Planted: June 5, 2014.

Harvested: October 29, 2014.

Seeding Rate: Nine seeds per foot in 36" rows.

Soil Type: Clarendon sandy loam.

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

Fertilization: 30 lb N, 50 lb P₂O₅, and 100 lb K₂O/acre.

Previous Crop: Wheat.

Management: Disked, field conditioned, subsoiled, and bedded; Valor, Roundup, Prowl, Reflex, Basagran, and Prefix used for weed control; Dimilin, Belt, Radiant, and Mustang Max used for insect control; Telon II used for fungal control;

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

Research funded by the Georgia Commodity Commission for Soybean.

Griffin, Georgia: Dryland Soybean Variety Performance, 2014

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

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

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

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

Planted: Maturity Groups V and VI - May 20, 2014.
Maturity Group VII and VIII - June 23, 2014.

Harvested: Maturity Group V - October 24, 2014.
Maturity Group VI - November 3, 2014.
Maturity Group VII and VIII - November 20, 2014.

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

Soil Type: Cecil clay loam.

Soil Test: P = High, K = High, and pH = 6.7.

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

Previous Crop: Corn.

Management: Maturity Groups V and VI - Chisel plowed, disked, and rototilled; Lasso, Classic, and one cultivation used for weed control; Karate used for insect control; Domark used for fungal control.
Maturity Group VII and VIII - Chisel plowed, disked, and rototilled; Lasso, Classic, Blazer, Basagran, and one cultivation used for weed control; Domark used for fungal control.

Test conducted by H. Jordan and G. Ware.

Research funded by the Georgia Commodity Commission for Soybean.