

Summary of Dryland Soybean Variety Performance at Four Locations, 2015

Company or Brand Name	Variety	Yields ¹									
		Griffin		Midville		Plains		Tifton		Statewide Avg	
		2015	2-Yr Avg	2015	2-Yr Avg	2015	2-Yr Avg	2015	2-Yr Avg	2015	2-Yr Avg
-----bu/acre-----											
Maturity Group V											
AGSouth	AGS 533 LL	63.8	.	35.4	.	68.1	.	53.6	.	55.3	.
AGSouth	AGS 568RR	57.5	50.9	37.2	32.7	69.6	47.8	57.1	45.8	55.4	44.3
AGSouth	AGS 5911LL	56.0	.	36.9	.	68.2	.	54.3	.	53.8	.
AR	UA 5612	72.1	.	35.8	.	70.8	.	58.3	.	59.2	.
Bayer	HBK LL4950	65.7	.	31.3	.	68.9	.	51.7	.	54.4	.
Public Variety	Osage	67.7	57.1	42.0	34.1	68.7	47.2	55.3	41.3	58.4	45.0
SS	5513N R2	64.0	.	38.9	.	73.7	.	60.2	.	59.2	.
SS	5711N R2	70.2	.	35.3	.	68.1	.	61.0	.	58.6	.
Ierral-REV®	56R63™	60.0	.	34.1	.	69.6	.	61.9	.	56.4	.
Ierral-REV®	57R21™	60.7	54.3	37.7	35.2	68.6	49.2	55.7	49.3	55.7	47.0
Average		63.8	54.1	36.5	34.0	69.4	48.1	56.9	45.5	56.6	45.4
LSD at 10% Level		N.S. ²	N.S.	4.0	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.9
Std. Err. of Entry Mean		4.1	2.0	1.6	1.5	2.5	1.6	2.8	1.2	1.4	0.8
Maturity Group VI											
Asgrow	AG6536 GENRR2Y	63.7	.	38.2	.	58.4	.	55.2	.	53.9	.
Bayer	CZ 6515 LL	59.2	.	40.6	.	67.2	.	57.5	.	56.1	.
Bayer	HBK RY7523	63.4	.	37.1	.	58.3	.	53.3	.	53.0	.
Croplan Genetics	R2C6192	61.0	.	40.2	.	62.6	.	42.2	.	51.5	.
Dyna-Gro	S65RY73	72.6	64.0	38.5	36.0	60.3	45.2	54.3	43.2	56.5	47.1
NK	S67-R6 Brand	70.0	60.5	40.8	39.9	68.3	50.1	62.7	50.9	60.5	50.3
Pioneer	P67T25R2	62.4	.	36.2	.	63.9	.	54.5	.	54.2	.
Public Variety	Musen	57.6	51.2	40.2	35.8	63.9	50.5	54.7	54.2	54.1	47.9
SS	SS 6810N R2	58.4	56.4	37.5	44.0	53.8	44.1	57.6	58.5	51.8	50.8
TA Seeds	TS6569R2	59.2	.	37.0	.	58.2	.	55.5	.	52.5	.
Average		62.8	58.0	38.6	38.9	61.5	47.5	54.7	51.7	54.4	49.0
LSD at 10% Level		7.5	N.S.	N.S.	N.S.	6.0	N.S.	6.6	N.S.	3.1	N.S.
Std. Err. of Entry Mean		3.1	1.9	2.3	1.7	2.4	1.2	2.7	2.6	1.3	1.0
Maturity Group VII & VIII											
AGSouth	AGS 738 RR	48.5	.	35.7	.	63.0	.	57.0	.	51.1	.
AGSouth	AGS 828 RR	56.4	.	37.1	.	64.1	.	49.8	.	51.9	.
AGSouth	AGS Woodruff	57.9	51.3	40.4	38.8	66.4	52.8	51.2	57.1	54.0	50.0
Asgrow	AG7535 GENRR2Y	58.9	.	38.7	.	68.6	.	58.4	.	56.2	.
Bayer	CZ 7070 RY	49.0	.	40.2	.	66.4	.	60.1	.	53.9	.
Croplan Genetics	R2C7622	59.1	.	41.6	.	65.2	.	61.5	.	56.9	.
NK	S74-M3	55.2	.	43.2	.	64.4	.	62.0	.	56.2	.
Public Variety	Santee	54.3	46.7	39.7	43.9	62.3	49.6	54.3	53.9	52.7	48.5
Ierral-REV®	73A74™	53.0	.	33.5	.	64.8	.	55.8	.	51.8	.
USG	77S40R	55.5	.	40.9	.	61.6	.	55.0	.	53.3	.
Average		54.8	49.0	39.1	41.3	64.7	51.2	56.5	55.5	53.8	49.3
LSD at 10% Level		N.S.	N.S.	4.0	N.S.	N.S.	N.S.	5.6	N.S.	2.8	N.S.
Std. Err. of Entry Mean		2.9	1.8	1.6	3.0	2.7	1.7	2.0	1.6	1.2	1.0

Summary of Dryland Soybean Variety Performance at Four Locations, 2015 (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 ($P = 0.10$).

Regional Summary of Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	Yield ¹					
		South ²		North ³		Statewide	
		2015	2-Year Average	2015	2-Year Average	2015	2-Year Average
----- bu/acre -----							
<u>Maturity Group V</u>							
AGSouth	AGS 533 LL	52.4	.	63.8	.	55.3	.
AGSouth	AGS 568RR	54.7	42.1	57.5	50.9	55.4	44.3
AGSouth	AGS 5911LL	53.1	.	56.0	.	53.8	.
AR	UA 5612	54.9	.	72.1	.	59.2	.
Bayer	HBK LL4950	50.6	.	65.7	.	54.4	.
Public Variety	Osage	55.3	40.9	67.7	57.1	58.4	45.0
SS	5513N R2	57.6	.	64.0	.	59.2	.
SS	5711N R2	54.8	.	70.2	.	58.6	.
Terral-REV®	56R63™	55.2	.	60.0	.	56.4	.
Terral-REV®	57R21™	54.0	44.6	60.7	54.3	55.7	47.0
Average		54.3	42.5	63.8	54.1	56.6	45.4
LSD at 10% Level		N.S. ⁴	2.1	N.S.	N.S.	N.S.	1.9
Std. Err. of Entry Mean		1.4	0.8	4.1	2.0	1.4	0.8
<u>Maturity Group VI</u>							
Asgrow	AG6536 GENRR2Y	50.6	.	63.7	.	53.9	.
Bayer	CZ 6515 LL	55.1	.	59.2	.	56.1	.
Bayer	HBK RY7523	49.6	.	63.4	.	53.0	.
Croplan Genetics	R2C6192	48.3	.	61.0	.	51.5	.
Dyna-Gro	S65RY73	51.1	41.5	72.6	64.0	56.5	47.1
NK	S67-R6 Brand	57.3	46.9	70.0	60.5	60.5	50.3
Pioneer	P67T25R2	51.5	.	62.4	.	54.2	.
Public Variety	Musen	52.9	46.8	57.6	51.2	54.1	47.9
SS	SS 6810N R2	49.6	48.9	58.4	56.4	51.8	50.8
TA Seeds	TS6569R2	50.2	.	59.2	.	52.5	.
Average		51.6	46	62.8	58	54.4	49
LSD at 10% Level		N.S.	N.S.	7.5	N.S.	3.1	N.S.
Std. Err. of Entry Mean		1.4	1.1	3.1	1.9	1.3	1.0
<u>Maturity Group VII and VIII</u>							
AGSouth	AGS 738 RR	51.9	.	48.5	.	51.1	.
AGSouth	AGS 828 RR	50.3	.	56.4	.	51.9	.
AGSouth	AGS Woodruff	52.7	49.5	57.9	51.3	54.0	50.0
Asgrow	AG7535 GENRR2Y	55.3	.	58.9	.	56.2	.
Bayer	CZ 7070 RY	55.5	.	49.0	.	53.9	.
Croplan Genetics	R2C7622	56.1	.	59.1	.	56.9	.
NK	S74-M3	56.6	.	55.2	.	56.2	.
Public Variety	Santee	52.1	49.1	54.3	46.7	52.7	48.5
Terral-REV®	73A74™	51.4	.	53.0	.	51.8	.
USG	77S40R	52.5	.	55.5	.	53.3	.
Average		53.4	49.3	54.8	49	53.8	49.3
LSD at 10% Level		3.0	N.S.	N.S.	N.S.	2.8	N.S.
Std. Err. of Entry Mean		1.2	1.3	2.9	1.8	1.2	1.0

Regional Summary of Dryland Soybean Variety Performance, 2015 (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, 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 ($P = 0.10$).

Tifton, Georgia: Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	2-Year Average Yield bu/acre	Rank	2015 Data					
				Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating
<u>Maturity Group V</u>									
Terral-REV®	57R21™	49.3	6	55.7	09/27	35	2.0	15.4	2.0
AGSouth	AGS 568RR	45.8	5	57.1	09/26	28	1.3	16.7	1.5
Public Variety	Osage	41.3	7	55.3	09/28	23	1.0	15.4	1.5
Terral-REV®	56R63™	.	1	61.9	09/27	33	1.3	15.9	1.5
SS	5711N R2	.	2	61.0	09/28	25	1.3	18.8	1.7
SS	5513N R2	.	3	60.2	09/29	34	1.7	16.4	1.5
AR	UA 5612	.	4	58.3	09/28	26	1.7	15.1	1.5
AGSouth	AGS 5911LL	.	8	54.3	09/26	29	1.0	16.2	1.5
AGSouth	AGS 533 LL	.	9	53.6	09/21	39	2.3	14.9	2.2
Bayer	HBK LL4950	.	10	51.7	09/22	39	1.7	15.2	1.7
Average		45.5		56.9 ⁴	09/26	31	1.5	16.0	1.7
LSD at 10% Level		N.S. ⁵		N.S.	2	4	0.7	0.6	0.2
Std. Err. of Entry Mean		1.2		2.8	1	2	0.3	0.3	0.1
<u>Maturity Group VI</u>									
SS	SS 6810N R2	58.5	2	57.6	10/15	37	1.3	16.6	1.8
Public Variety	Musen	54.2	6	54.7	10/14	45	1.7	15.4	1.5
NK	S67-R6 Brand	50.9	1	62.7	10/12	35	1.0	19.0	1.5
Dyna-Gro	S65RY73	43.2	8	54.3	10/12	33	1.0	13.3	1.5
Bayer	CZ 6515 LL	.	3	57.5	10/17	40	1.0	14.2	1.5
TA Seeds	TS6569R2	.	4	55.5	10/12	35	1.3	15.4	1.5
Asgrow	AG6536 GENRR2Y	.	5	55.2	10/15	35	1.0	16.0	1.5
Pioneer	P67T25R2	.	7	54.5	10/13	41	1.0	16.2	1.5
Bayer	HBK RY7523	.	9	53.3	10/16	35	1.0	15.4	1.8
Croplan Genetics	R2C6192	.	10	42.2	10/14	29	1.0	15.3	2.0
Average		51.7		54.7 ⁶	10/14	36	1.1	15.7	1.6
LSD at 10% Level		N.S.		6.6	1	2	N.S.	1.0	0.2
Std. Err. of Entry Mean		2.6		2.7	1	1	0.2	0.4	0.1
<u>Maturity Groups VII and VIII</u>									
AGSouth	AGS Woodruff	57.1	9	51.2	10/20	43	1.7	16.1	1.0
Public Variety	Santee	53.9	8	54.3	10/14	46	2.3	15.9	1.5
NK	S74-M3	.	1	62.0	10/15	40	1.3	17.6	1.5
Croplan Genetics	R2C7622	.	2	61.5	10/18	45	1.7	15.2	1.5
Bayer	CZ 7070 RY	.	3	60.1	10/19	42	1.3	16.0	1.5
Asgrow	AG7535 GENRR2Y	.	4	58.4	10/17	39	1.7	17.3	1.5
AGSouth	AGS 738 RR	.	5	57.0	10/12	39	1.0	13.7	1.7
Terral-REV®	73A74™	.	6	55.8	10/15	45	2.7	15.0	2.0
USG	77S40R	.	7	55.0	10/18	37	1.0	17.2	1.5
AGSouth	AGS 828 RR	.	10	49.8	10/19	42	3.3	13.9	1.5
Average		55.5		56.5 ⁷	10/16	42	1.8	15.8	1.5
LSD at 10% Level		N.S.		5.6	.	3	0.7	0.7	0.2
Std. Err. of Entry Mean		1.6		2.0	.	1	0.3	0.3	0.1

Tifton, Georgia:
Dryland Soybean Variety Performance, 2015
(Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 8.6% and df for EMS = 18.
5. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
6. CV = 8.6% and df for EMS = 18.
7. CV = 6.2% 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: May 27, 2015.

Harvested: Maturity Group V & VI - October 20, 2015.
Maturity Groups VII & VIII - November 6, 2015.

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

Soil Type: Tifton loamy sand.

Soil Test: P = Very High, K = Low, and pH = 7.0.

Fertilization: 11 lb N, 70 lb P₂O₅, and 120 lb K₂O/acre.

Previous Crop: Wheat cover.

Management: Disked, subsoiled/bedded, and rototilled; Prowl, Dual Magnum, Select, Basagran, Classic, Ultra Blazer, and Reflex used for weed control; Blackhawk, Bifenthrin, and Belt used for insect control; Domark used for fungal control; Telone II used for nematode control.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia: Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	2-Year Average Yield bu/acre	Rank	2015 Data					
				Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating
<u>Maturity Group V</u>									
Terral-REV®	57R21™	49.2	6	68.6	10/03	41	2.3	13.8	1.8
AGSouth	AGS 568RR	47.8	3 ^T	69.6	09/29	32	1.3	15.2	2.2
Public Variety	Osage	47.2	5	68.7	09/24	33	1.3	13.8	2.0
SS	5513N R2	.	1	73.7	10/02	35	1.3	14.9	2.8
AR	UA 5612	.	2	70.8	10/04	34	3.3	13.4	2.8
Terral-REV®	56R63™	.	3 ^T	69.6	09/27	41	2.0	14.3	2.3
Bayer	HBK LL4950	.	4	68.9	09/24	41	2.3	13.4	2.5
AGSouth	AGS 5911LL	.	7	68.2	09/30	35	1.7	13.7	2.0
AGSouth	AGS 533 LL	.	8 ^T	68.1	09/22	42	2.7	13.1	2.5
SS	5711N R2	.	8 ^T	68.1	09/29	30	1.3	15.3	2.5
Average		48.1		69.4 ⁴	09/28	36	2.0	14.1	2.4
LSD at 10% Level		N.S. ⁵		N.S.	.	2	0.8	1.3	0.3
Std. Err. of Entry Mean		1.6		2.5	.	1	0.3	0.5	0.1
<u>Maturity Group VI</u>									
Public Variety	Musen	50.5	3 ^T	63.9	10/15	45	3.0	13.4	1.3
NK	S67-R6 Brand	50.1	1	68.3	10/08	36	1.7	14.2	2.3
Dyna-Gro	S65RY73	45.2	5	60.3	10/09	30	1.3	12.3	2.0
SS	SS 6810N R2	44.1	9	53.8	10/11	36	2.0	12.8	1.8
Bayer	CZ 6515 LL	.	2	67.2	10/19	35	1.0	13.7	1.8
Pioneer	P67T25R2	.	3 ^T	63.9	10/12	38	1.3	14.0	1.7
Croplan Genetics	R2C6192	.	4	62.6	10/08	29	1.7	13.2	1.8
Asgrow	AG6536 GENRR2Y	.	6	58.4	10/08	37	1.0	12.4	1.5
Bayer	HBK RY7523	.	7	58.3	10/11	34	1.3	13.6	1.7
TA Seeds	TS6569R2	.	8	58.2	10/05	35	2.0	13.7	2.0
Average		47.5		61.5 ⁶	10/10	35	1.6	13.3	1.8
LSD at 10% Level		N.S.		6.0	.	4	0.6	1.6	0.8
Std. Err. of Entry Mean		1.2		2.4	.	2	0.2	0.6	0.3
<u>Maturity Groups VII and VIII</u>									
AGSouth	AGS Woodruff	52.8	2 ^T	66.4	10/20	39	3.3	16.4	1.3
Public Variety	Santee	49.6	8	62.3	10/15	44	2.3	13.9	1.0
Asgrow	AG7535 GENRR2Y	.	1	68.6	10/16	36	1.7	13.9	1.3
Bayer	CZ 7070 RY	.	2 ^T	66.4	10/19	37	1.3	13.1	1.8
Croplan Genetics	R2C7622	.	3	65.2	10/20	41	2.7	12.3	1.5
Terral-REV®	73A74™	.	4	64.8	10/15	37	3.7	13.2	1.2
NK	S74-M3	.	5	64.4	10/12	35	1.7	14.4	1.5
AGSouth	AGS 828 RR	.	6	64.1	10/20	39	3.3	13.5	1.0
AGSouth	AGS 738 RR	.	7	63.0	10/09	35	1.7	11.7	1.5
USG	77S40R	.	9	61.6	10/16	34	1.7	14.0	1.3
Average		51.2		64.7 ⁷	10/16	38	2.3	13.6	1.4
LSD at 10% Level		N.S.		N.S.	.	3	0.7	1.0	N.S.
Std. Err. of Entry Mean		1.7		2.7	.	1	0.3	0.4	0.2

Plains, Georgia: Dryland Soybean Variety Performance, 2015 (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 6.4% 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 = 6.9% and df for EMS = 18.
7. CV = 7.2% 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 3, 2015.

Harvested: October 29, 2015.

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

Soil Type: Greenville sandy clay loam.

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

Fertilization: 0 lb N, 20 lb P₂O₅, and 60 lb K₂O/acre.

Previous Crop: Cotton.

Management: Disked twice, subsoiled, and rototilled; Prowl, Reflex, and Blazer used for weed control; Indigo and Belt used for insect control; Domark used for fungal control.

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Midville, Georgia: Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	2-Year Average Yield bu/acre	Rank	2015 Data					
				Yield ¹ bu/acre	Maturity date	Plant Ht in	Lodg. ² rating	Wt of 100 Seed gm	Seed Quality ³ rating
<u>Maturity Group V</u>									
Terral-REV®	57R21™	35.2	3	37.7	10/02	41	3.0	16.1	2.3
Public Variety	Osage	34.1	1	42.0	10/01	26	1.3	16.6	2.5
AGSouth	AGS 568RR	32.7	4	37.2	10/02	32	2.0	17.9	2.3
SS	5513N R2	.	2	38.9	09/30	33	2.7	16.8	2.7
AGSouth	AGS 5911LL	.	5	36.9	10/04	32	2.0	17.0	2.0
AR	UA 5612	.	6	35.8	10/02	33	3.0	15.9	2.3
AGSouth	AGS 533 LL	.	7	35.4	09/30	33	1.0	16.0	3.2
SS	5711N R2	.	8	35.3	09/30	30	2.3	18.5	2.3
Terral-REV®	56R63™	.	9	34.1	10/04	35	2.7	17.8	2.7
Bayer	HBK LL4950	.	10	31.3	09/26	30	1.0	15.7	3.2
Average		34.0		36.5 ⁴	10/01	32	2.1	16.8	2.6
LSD at 10% Level		N.S. ⁵		4.0	.	3	0.5	0.8	0.4
Std. Err. of Entry Mean		1.5		1.6	.	1	0.2	0.3	0.2
<u>Maturity Group VI</u>									
SS	SS 6810N R2	44.0	6	37.5	10/22	34	1.0	19.3	2.0
NK	S67-R6 Brand	39.9	1	40.8	10/06	32	1.0	18.0	2.3
Dyna-Gro	S65RY73	36.0	4	38.5	10/14	33	1.0	16.5	1.8
Public Variety	Musen	35.8	3 ^T	40.2	10/21	36	2.0	20.0	1.7
Bayer	CZ 6515 LL	.	2	40.6	10/22	35	1.7	18.4	2.0
Croplan Genetics	R2C6192	.	3 ^T	40.2	10/12	29	1.0	16.9	2.0
Asgrow	AG6536 GENRR2Y	.	5	38.2	10/22	32	1.0	18.9	1.8
Bayer	HBK RY7523	.	7	37.1	10/23	31	1.0	17.7	2.0
TA Seeds	TS6569R2	.	8	37.0	10/06	30	1.3	17.4	2.2
Pioneer	P67T25R2	.	9	36.2	10/21	33	1.0	19.0	1.8
Average		38.9		38.6 ⁶	10/16	32	1.2	18.2	2.0
LSD at 10% Level		N.S.		N.S.	.	2	0.4	1.6	0.6
Std. Err. of Entry Mean		1.7		2.3	.	1	0.2	0.6	0.3
<u>Maturity Groups VII and VIII</u>									
Public Variety	Santee	43.9	6	39.7	10/24	37	1.3	.	.
AGSouth	AGS Woodruff	38.8	4	40.4	10/26	37	1.7	.	.
NK	S74-M3	.	1	43.2	10/24	31	1.0	.	.
Croplan Genetics	R2C7622	.	2	41.6	10/24	35	1.0	.	.
USG	77S40R	.	3	40.9	10/24	27	1.0	.	.
Bayer	CZ 7070 RY	.	5	40.2	10/23	33	1.0	.	.
Asgrow	AG7535 GENRR2Y	.	7	38.7	10/23	29	1.0	.	.
AGSouth	AGS 828 RR	.	8	37.1	10/25	31	1.0	.	.
AGSouth	AGS 738 RR	.	9	35.7	10/23	29	1.0	.	.
Terral-REV®	73A74™	.	10	33.5	10/22	38	1.0	.	.
Average		41.3		39.1 ⁷	10/23	33	1.1	.	.
LSD at 10% Level		N.S.		4.0	.	2	0.4	.	.
Std. Err. of Entry Mean		3.0		1.6	.	1	0.2	.	.

Midville, Georgia: Dryland Soybean Variety Performance, 2015 (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 7.7% 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 = 10.2% and df for EMS = 18.
7. CV = 7.3% and df for EMS = 18.

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

Planted: May 29, 2015.

Harvested: Maturity Group V & VI - October 22, 2015.

Maturity Groups VII & VIII - November 16, 2015.

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

Previous Crop: Grain sorghum.

Management: Disked, field conditioned, and subsoiled/bedded; Pendimethalin, Reflex, Dual, and Warrant used for weed control; Toombstone, Bifenthrin, Dimilin, Tracer, Radiant, and Doubletake used for insect control; Priaxor used for fungal control; Telone II used for nematode control.

Test conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Griffin, Georgia: Dryland Soybean Variety Performance, 2015

Company or Brand Name	Variety	2-Year Average Yield bu/acre	2015 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>										
Public Variety	Osage	57.1	3	67.7	10/06	29	1.0	15.3	1.8	1.0
Terral-REV®	57R21™	54.3	7	60.7	10/05	39	2.3	16.5	1.8	1.0
AGSouth	AGS 568RR	50.9	9	57.5	10/06	32	1.0	17.4	1.5	1.0
AR	UA 5612	.	1	72.1	10/06	33	2.0	16.0	1.5	1.0
SS	5711N R2	.	2	70.2	10/07	32	1.0	19.2	1.7	1.0
Bayer	HBK LL4950	.	4	65.7	10/04	37	1.2	15.2	2.7	1.0
SS	5513N R2	.	5	64.0	10/09	35	1.2	16.9	1.8	1.0
AGSouth	AGS 533 LL	.	6	63.8	10/06	35	1.0	15.2	2.5	1.0
Terral-REV®	56R63™	.	8	60.0	10/04	37	2.0	16.9	1.8	1.0
AGSouth	AGS 5911LL	.	10	56.0	10/03	32	1.0	15.4	1.5	1.0
Average		54.1		63.8 ⁵	10/05	34	1.4	16.4	1.9	1.0
LSD at 10% Level		N.S. ⁶		N.S.	N.S.	3	0.3	1.0	0.4	.
Std. Err. of Entry Mean		2.0		4.1	2	1	0.1	0.4	0.1	.
<u>Maturity Group VI</u>										
Dyna-Gro	S65RY73	64.0	1	72.6	10/15	32	1.3	14.6	1.7	1.0
NK	S67-R6 Brand	60.5	2	70.0	10/15	38	1.3	17.1	1.5	1.0
SS	SS 6810N R2	56.4	8	58.4	10/18	36	1.0	15.3	1.5	1.0
Public Variety	Musen	51.2	9	57.6	10/31	38	1.7	15.3	1.5	1.0
Asgrow	AG6536 GENRR2Y	.	3	63.7	10/18	34	1.0	16.5	1.5	1.0
Bayer	HBK RY7523	.	4	63.4	10/21	32	1.0	16.4	2.0	1.0
Pioneer	P67T25R2	.	5	62.4	10/17	35	1.0	17.0	1.5	1.0
Croplan Genetics	R2C6192	.	6	61.0	10/19	27	1.0	14.2	2.2	1.0
Bayer	CZ 6515 LL	.	7 ^T	59.2	10/31	34	1.0	16.4	1.7	1.0
TA Seeds	TS6569R2	.	7 ^T	59.2	10/14	33	1.0	16.2	1.8	1.0
Average		58.0		62.8 ⁷	10/20	34	1.1	15.9	1.7	1.0
LSD at 10% Level		N.S.		7.5	11	4	N.S.	1.3	0.3	.
Std. Err. of Entry Mean		1.9		3.1	4	2	0.2	0.5	0.1	.
<u>Maturity Group VII and VIII</u>										
AGSouth	AGS Woodruff	51.3	3	57.9	11/03	36	2.7	16.9	2.7	1.7
Public Variety	Santee	46.7	7	54.3	10/30	34	1.7	15.7	3.0	1.0
Croplan Genetics	R2C7622	.	1	59.1	11/07	35	1.0	14.5	3.2	1.0
Asgrow	AG7535 GENRR2Y	.	2	58.9	11/02	28	1.0	16.7	2.7	1.0
AGSouth	AGS 828 RR	.	4	56.4	11/06	29	1.3	15.0	2.8	1.0
USG	77S40R	.	5	55.5	11/04	27	1.0	16.6	3.0	1.3
NK	S74-M3	.	6	55.2	11/03	30	1.3	17.5	2.8	1.0
Terral-REV®	73A74™	.	8	53.0	10/28	33	2.0	15.1	2.1	1.0
Bayer	CZ 7070 RY	.	9	49.0	10/28	30	1.0	14.2	2.3	1.3
AGSouth	AGS 738 RR	.	10	48.5	10/26	27	1.0	13.3	2.8	1.0
Average		49.0		54.8 ⁸	11/01	31	1.4	15.6	2.7	1.1
LSD at 10% Level		N.S.		N.S.	3	3	0.7	0.6	0.5	N.S.
Std. Err. of Entry Mean		1.8		2.9	1	1	0.3	0.2	0.2	0.2

Griffin, Georgia: Dryland Soybean Variety Performance, 2015 (Continued)

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 11.0% and df for EMS = 18.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 8.5% and df for EMS = 18.
8. CV = 9.3% 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: Maturity Group V & VI - June 3, 2015.
Maturity Group VII & VIII - June 29, 2015.

Harvested: Maturity Group V - October 21, 2015.
Maturity Group VI - October 30, 2015.
Maturity Group VII & VIII - November 17, 2015.

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

Soil Type: Cecil clay loam.

Soil Test: P = Medium, K = High, and pH = 6.9.

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

Previous Crop: Corn.

Management: Chisel plowed, disked, and rototilled; Treflan and one cultivation for weed control; Classic and Blazer used for insect control; Karate used for insect control.

Test conducted by H. Jordan and G. Ware.