

## Tifton, Georgia: Dryland Soybean Variety Performance, 2013

Company or Brand Name	Variety	2-Year Average Yield bu/acre	2013 Data							
			Rank	Yield <sup>1</sup> bu/acre	Maturity date	Plant Ht in	Lodg. <sup>2</sup> rating	Wt of 100 Seed gm	Seed Quality <sup>3</sup> rating	Shatt. <sup>4</sup> rating
<b><u>Maturity Group V</u></b>										
Pioneer	95Y71	<b>64.0</b>	1	<b>76.6</b>	09/23	36	1.7	15.3	1.3	1.0
AGSouth	AGS 5911LL	<b>62.0</b>	5	<b>70.7</b>	09/27	33	1.0	13.9	1.5	1.0
SS	LL595N	<b>60.7</b>	2	<b>74.4</b>	09/24	38	1.0	13.9	1.7	1.0
SS	SS5511NR2	<b>60.3</b>	4	<b>72.4</b>	09/22	32	1.0	17.2	1.5	1.0
Public Variety	Osage	<b>59.6</b>	3	<b>73.0</b>	09/20	25	1.0	12.4	1.5	1.0
Terral-REV®	57R21™	<b>57.3</b>	8	65.6	09/23	38	2.0	14.5	2.0	1.0
Pioneer	95Y70	<b>56.3</b>	10	60.7	09/27	38	2.3	13.1	1.2	1.0
Bayer	HBK RY5421	<b>56.2</b>	6	<b>70.0</b>	09/19	31	1.0	14.8	1.8	1.0
Public Variety	Ozark	<b>55.7</b>	9	62.7	09/16	31	1.0	15.2	2.3	1.0
AgSouth	AGS 568RR	.	7	67.0	09/24	37	2.3	15.5	1.7	1.0
Average		59.1		69.3 <sup>5</sup>	09/22	34	1.4	14.6	1.7	1.0
LSD at 10% Level		N.S. <sup>6</sup>		7.3	04	3	0.6	-	-	-
Std. Err. of Entry Mean		2.1		3.0	01	1	0.2	-	-	-
<b><u>Maturity Group VI</u></b>										
Dyna-Gro	36RY68	<b>73.7</b>	1	<b>90.3</b>	10/11	35	1.0	16.0	1.7	1.0
CG	R2C6810	<b>70.4</b>	3	76.7	10/08	35	1.0	15.8	1.7	1.0
SS	SS 6810NR2	<b>68.3</b>	4	74.8	10/10	37	1.7	15.2	1.7	1.0
NK	S67-R6 Brand	<b>60.6</b>	5	72.9	10/01	39	2.0	15.1	1.5	1.0
Dyna-Gro	S65RY73	.	2	83.4	10/02	33	1.0	13.8	1.2	1.0
Dyna-Gro	S61RY93	.	6	70.2	10/02	28	1.0	13.6	1.7	1.0
CG	R2C6192	.	7	69.7	10/02	29	1.0	13.1	1.7	1.0
Asgrow	AG6534	.	8	67.7	10/03	31	1.0	14.0	1.7	1.0
SS	6713N R2	.	9	54.4	09/28	32	1.0	12.3	1.0	1.0
Public Variety	NC Roy	.	10	42.2	09/28	33	3.0	12.6	1.7	1.0
Average		68.2		70.2 <sup>7</sup>	10/03	33	1.4	14.1	1.5	1.0
LSD at 10% Level		N.S.		6.7	03	3	0.5	-	-	-
Std. Err. of Entry Mean		2.4		2.7	01	1	0.2	-	-	-
<b><u>Maturity Group VII and VIII</u></b>										
Public Variety	Santee	<b>64.9</b>	4	71.5	10/11	37	2.7	15.3	1.7	1.0
AgSouth	AGS Woodruff	<b>64.6</b>	1	<b>75.4</b>	10/14	36	2.0	16.3	1.5	1.0
Asgrow	AG7733	<b>64.0</b>	3	<b>71.8</b>	10/13	40	1.3	17.0	1.5	1.0
Pioneer	97M50	<b>61.1</b>	2	<b>73.0</b>	10/14	37	2.7	13.3	1.5	1.0
NK	S78-G6 Brand	<b>58.5</b>	5	71.4	10/15	37	1.3	19.3	2.2	1.0
AgSouth	AGS787 RR	<b>58.1</b>	6	70.7	10/11	34	1.3	14.9	1.5	1.0
SS	SS7511NR2	51.6	8	67.3	10/13	35	1.3	15.4	1.5	1.0
AgSouth	AGS Prichard RR	47.4	10	55.8	10/17	41	3.0	12.7	1.3	1.0
Dyna-Gro	34RY75	.	7	69.6	10/15	38	1.7	14.3	1.5	1.0
Public Variety	Motte	.	9	62.9	10/15	43	3.0	13.4	1.5	1.0
Average		58.8		68.9 <sup>8</sup>	10/14	38	2.0	15.2	1.6	1.0
LSD at 10% Level		8.1		3.6	02	2	0.7	-	-	-
Std. Err. of Entry Mean		1.8		1.5	01	1	0.3	-	-	-

## Tifton, Georgia: Dryland Soybean Variety Performance, 2013 (Continued)

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1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 7.5% and df for EMS = 18.
6. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
7. CV = 6.7% and df for EMS = 18.
8. CV = 3.7% and df for EMS = 18.

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

Planted: May 16, 2013.

Harvested: Maturity Groups V & VI - October 17, 2013.  
Maturity Group VII & VIII - November 15, 2013.

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

Soil Type: Tifton sandy loam.

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

Fertilization: 0 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, and 100 lb K<sub>2</sub>O/acre.

Previous Crop: Soybeans.

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

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

## Plains, Georgia: Dryland Soybean Variety Performance, 2013

Company or Brand Name	Variety	2-Year Average Yield bu/acre	2013 Data							
			Rank	Yield <sup>1</sup> bu/acre	Maturity date	Plant Ht in	Lodg. <sup>2</sup> rating	Wt of 100 Seed gm	Seed Quality <sup>3</sup> rating	Shatt. <sup>4</sup> rating
<b><u>Maturity Group V</u></b>										
Public Variety	Osage	<b>51.5</b>	1	<b>75.6</b>	09/19	27	1.0	.	.	1.0
Pioneer	95Y70	<b>50.9</b>	9	64.8	09/24	40	3.0	.	.	1.0
Terral-REV®	57R21™	<b>50.4</b>	5	70.4	09/23	38	2.7	.	.	1.0
Public Variety	Ozark	<b>49.5</b>	2	<b>74.3</b>	09/17	29	1.3	.	.	1.0
Pioneer	95Y71	<b>49.5</b>	3	<b>72.7</b>	09/21	33	2.0	.	.	1.0
SS	LL595N	<b>47.5</b>	8	66.7	09/20	35	1.0	.	.	1.0
SS	SS5511NR2	<b>47.4</b>	7	67.7	09/21	33	1.0	.	.	1.0
Bayer	HBK RY5421	<b>47.1</b>	4	70.7	09/20	34	1.3	.	.	1.0
AGSouth	AGS 5911LL	<b>46.4</b>	6	68.3	09/22	33	1.3	.	.	1.0
AgSouth	AGS 568RR	.	10	64.4	09/23	37	1.7	.	.	1.0
Average		48.9		69.6 <sup>5</sup>	09/21	34	1.6	.	.	1.0
LSD at 10% Level		N.S. <sup>6</sup>		4.0	02	3	0.6			-
Std. Err. of Entry Mean		1.2		1.6	01	1	0.2			-
<b><u>Maturity Group VI</u></b>										
NK	S67-R6 Brand	<b>49.9</b>	1	<b>68.3</b>	10/02	41	1.7	.	.	1.0
SS	SS 6810NR2	<b>48.4</b>	9	54.4	10/02	39	1.0	.	.	1.0
Dyna-Gro	36RY68	<b>48.2</b>	10	53.2	10/03	37	1.7	.	.	1.0
CG	R2C6810	<b>47.9</b>	8	56.4	10/02	37	1.7	.	.	1.0
CG	R2C6192	.	2	<b>67.5</b>	09/29	33	1.0	.	.	1.0
Public Variety	NC Roy	.	3	63.6	10/02	36	3.0	.	.	1.0
Dyna-Gro	S65RY73	.	4	62.7	09/29	34	1.7	.	.	1.0
Asgrow	AG6534	.	5	62.2	10/03	30	1.0	.	.	1.0
Dyna-Gro	S61RY93	.	6	60.9	09/30	26	1.0	.	.	1.0
SS	6713N R2	.	7	59.4	10/01	31	1.0	.	.	1.0
Average		48.6		60.8 <sup>7</sup>	10/01	34	1.5	.	.	1.0
LSD at 10% Level		N.S.		4.3	02	3	0.5			-
Std. Err. of Entry Mean		1.0		1.8	01	1	0.2			-
<b><u>Maturity Group VII and VIII</u></b>										
AgSouth	AGS Woodruff	<b>50.2</b>	3	<b>58.6</b>	10/16	36	2.0	.	.	1.0
SS	SS7511NR2	<b>49.8</b>	2	<b>60.2</b>	10/14	35	1.7	.	.	1.0
Public Variety	Santee	<b>49.6</b>	6	53.7	10/09	41	2.7	.	.	1.0
Asgrow	AG7733	<b>48.9</b>	4	<b>57.0</b>	10/13	36	1.0	.	.	1.0
AgSouth	AGS Prichard RR	<b>46.5</b>	7	52.9	10/19	43	2.3	.	.	1.0
AgSouth	AGS787 RR	43.2	8	51.2	10/12	34	1.0	.	.	1.0
NK	S78-G6 Brand	42.6	10	49.6	10/11	37	1.7	.	.	1.0
Pioneer	97M50	41.9	9	50.7	10/13	34	2.3	.	.	1.0
Public Variety	Motte	.	1	<b>61.2</b>	10/18	37	2.3	.	.	1.0
Dyna-Gro	34RY75	.	5	55.0	10/13	34	1.0	.	.	1.0
Average		46.6		55.0 <sup>8</sup>	10/13	37	1.8	.	.	1.0
LSD at 10% Level		5.0		5.0	02	3	0.8			-
Std. Err. of Entry Mean		2.0		2.1	01	1	0.3			-

## Plains, Georgia: Dryland Soybean Variety Performance, 2013 (Continued)

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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 = 4.1% 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 = 5.0% and df for EMS = 18.
8. CV = 6.6% and df for EMS = 18.

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

Planted: May 20, 2013.

Harvested: October 25, 2013.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = Very High, and pH = 6.3.

Fertilization: 10 lb N, 46 lb  $P_2O_5$ , and 0 lb  $K_2O$ /acre.

Previous Crop: Cotton.

Management: Disked, chisel plowed, rototilled; First Rate used for weed control; Endigo used for insect control; Momark used for fungal control; applied 600 lb/acre lime.

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

## Midville, Georgia: Dryland Soybean Variety Performance, 2013

Company or Brand Name	Variety	2-Year Average Yield bu/acre	2013 Data							
			Rank	Yield <sup>1</sup> bu/acre	Maturity date	Plant Ht in	Lodg. <sup>2</sup> rating	Wt of 100 Seed gm	Seed Quality <sup>3</sup> rating	Shatt. <sup>4</sup> rating
<b><u>Maturity Group V</u></b>										
Pioneer	95Y70	35.1	1	49.3	10/07	27	1.0	.	.	1.0
SS	SS5511NR2	30.4	4	39.8	10/04	23	1.0	.	.	1.0
Public Variety	Ozark	29.3	3	42.4	10/02	18	1.0	.	.	1.0
AGSouth	AGS 5911LL	28.9	2	49.2	10/07	25	1.0	.	.	1.0
Public Variety	Osage	25.5	7	34.8	10/04	17	1.0	.	.	1.0
Bayer	HBK RY5421	24.5	9 <sup>T</sup>	25.0	09/30	19	1.0	.	.	1.0
SS	LL595N	24.0	6	35.2	10/07	24	1.0	.	.	1.0
Terral-REV®	57R21™	22.7	8	25.2	10/04	21	1.0	.	.	1.0
Pioneer	95Y71	20.6	9 <sup>T</sup>	25.0	10/02	20	1.0	.	.	1.0
AgSouth	AGS 568RR	.	5	37.6	10/04	22	1.0	.	.	1.0
Average		26.8		36.3 <sup>5</sup>	10/04	22	1.0	.	.	1.0
LSD at 10% Level		N.S. <sup>6</sup>		9.2	03	4	-			-
Std. Err. of Entry Mean		2.1		3.8	01	1	-			-
<b><u>Maturity Group VI</u></b>										
CG	R2C6810	41.1	5	37.1	10/15	21	1.0	.	.	1.0
NK	S67-R6 Brand	41.0	4	37.7	10/13	30	1.0	.	.	1.0
SS	SS 6810NR2	40.8	2	42.7	10/14	22	1.0	.	.	1.0
Dyna-Gro	36RY68	38.5	7 <sup>T</sup>	32.7	10/15	23	1.0	.	.	1.0
Dyna-Gro	S61RY93	.	1	43.9	10/13	19	1.0	.	.	1.0
Public Variety	NC Roy	.	3	38.0	10/13	27	1.0	.	.	1.0
Dyna-Gro	S61RY73	.	6	33.2	10/11	18	1.0	.	.	1.0
SS	6713N R2	.	7 <sup>T</sup>	32.7	10/11	22	1.0	.	.	1.0
CG	R2C6192	.	8	28.6	10/09	19	1.0	.	.	1.0
Asgrow	AG6534	.	9	27.5	10/15	20	1.0	.	.	1.0
Average		40.4		35.4 <sup>7</sup>	10/13	22	1.0	.	.	1.0
LSD at 10% Level		N.S.		N.S.	03	5	-			-
Std. Err. of Entry Mean		5.4		9.4	01	2	-			-
<b><u>Maturity Group VII and VIII</u></b>										
Pioneer	97M50	57.1	2	52.1	10/15	29	1.0	.	.	1.0
AgSouth	AGS Prichard RR	56.9	1	56.6	10/25	32	1.7	.	.	1.0
NK	S78-G6 Brand	51.2	3	51.7	10/15	25	1.0	.	.	1.0
AgSouth	AGS Woodruff	51.2	7 <sup>T</sup>	35.9	10/20	24	1.0	.	.	1.0
Asgrow	AG7733	45.2	5	41.6	10/14	25	1.0	.	.	1.0
AgSouth	AGS787 RR	44.2	4	43.8	10/14	25	1.0	.	.	1.0
Public Variety	Santee	42.4	6	39.8	10/14	34	1.7	.	.	1.0
SS	SS7511NR2	35.6	9	21.7	10/17	23	1.0	.	.	1.0
Dyna-Gro	34RY75	.	7 <sup>T</sup>	35.9	10/16	25	1.0	.	.	1.0
Public Variety	Motte	.	8	33.3	10/18	28	1.0	.	.	1.0
Average		48.0		41.2 <sup>8</sup>	10/17	27	1.1	.	.	1.0
LSD at 10% Level		N.S.		14.7	02	6	-			-
Std. Err. of Entry Mean		3.2		6.0	01	2	-			-

## Midville, Georgia: Dryland Soybean Variety Performance, 2013 (Continued)

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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 = 17.9% 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 = 45.7% and df for EMS = 18.
8. CV = 25.2% 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 17, 2013.

Harvested: October 29, 2013.

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

Soil Type: Tifton sandy loam.

Soil Test: P = High, K = Medium, and pH = 6.5.

Fertilization: 30 lb N, 30 lb P<sub>2</sub>O<sub>5</sub>, and 90 lb K<sub>2</sub>O/acre.

Previous Crop: Cotton.

Management: Disked, field conditioned, subsoiled and bedded; Prowl, Basagran, Prefix and Warrant used for weed control; Bidrin, Belt, Bifenthrin, and Dimlin used for insect control; Tebuconazole used for fungal control; Telone II used for nematode control.

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

## Griffin, Georgia: Dryland Soybean Variety Performance, 2013

Company or Brand Name	Variety	2-Year Average Yield bu/acre	2013 Data							
			Rank	Yield <sup>1</sup> bu/acre	Maturity date	Plant Ht in	Lodg. <sup>2</sup> rating	Wt of 100 Seed gm	Seed Quality <sup>3</sup> rating	Shatt. <sup>4</sup> rating
<b><u>Maturity Group V</u></b>										
SS	SS5511NR2	<b>59.8</b>	4	<b>67.2</b>	10/04	40	1.3	20.6	1.5	1.0
Pioneer	95Y71	<b>59.7</b>	2	<b>68.5</b>	10/03	39	1.2	16.4	2.0	1.0
AGSouth	AGS 5911LL	<b>58.4</b>	1	<b>70.2</b>	10/02	39	1.0	15.2	2.0	1.0
SS	LL595N	<b>55.8</b>	5	<b>65.4</b>	10/03	39	1.3	15.7	1.8	1.0
Pioneer	95Y70	<b>55.8</b>	8	62.2	10/04	47	3.8	17.0	2.0	1.0
Public Variety	Osage	<b>55.4</b>	3	<b>67.5</b>	09/30	36	1.5	15.5	2.0	1.0
Public Variety	Ozark	<b>54.6</b>	9	60.4	10/02	36	3.0	19.0	2.0	1.0
Terral-REV®	57R21™	<b>53.1</b>	6	<b>64.7</b>	09/30	48	1.5	16.5	1.8	1.0
Bayer	HBK RY5421	<b>52.5</b>	10	54.1	10/03	45	2.8	18.3	1.8	1.0
AgSouth	AGS 568RR	.	7	62.6	10/05	38	1.0	17.6	1.8	1.0
Average		56.1		64.3 <sup>5</sup>	10/03	41	1.9	17.2	1.9	1.0
LSD at 10% Level		N.S. <sup>6</sup>		6.9	03	4	0.6	1.2	0.3	-
Std. Err. of Entry Mean		1.7		2.8	01	1	0.3	0.5	0.1	-
<b><u>Maturity Group VI</u></b>										
NK	S67-R6 Brand	<b>60.3</b>	3	60.1	10/15	44	2.3	17.2	1.5	1.0
SS	SS 6810NR2	<b>58.1</b>	6	57.4	10/15	43	2.0	15.0	1.7	1.0
CG	R2C6810	53.4	9	54.9	10/15	41	2.3	16.1	2.0	1.0
Dyna-Gro	36RY68	49.9	10	48.8	10/15	42	2.3	15.2	1.8	1.0
CG	R2C6192	.	1	<b>70.4</b>	10/04	39	1.0	13.1	2.0	1.0
Dyna-Gro	S61RY93	.	2	<b>66.6</b>	10/06	37	2.0	14.2	2.0	1.0
Public Variety	NC Roy	.	4	58.7	10/07	36	2.8	14.0	1.3	1.0
SS	6713N R2	.	5	58.1	10/08	40	1.3	13.7	1.7	1.0
Dyna-Gro	S61RY73	.	7	56.3	10/04	38	2.0	13.6	1.7	1.0
Asgrow	AG6534	.	8	56.2	10/09	40	1.5	15.0	1.7	1.0
Average		55.4		58.8 <sup>7</sup>	10/10	40	2.0	14.7	1.7	1.0
LSD at 10% Level		3.7		6.4	03	3	0.6	1.8	N.S.	-
Std. Err. of Entry Mean		1.5		2.6	01	1	0.2	0.7	0.2	-
<b><u>Maturity Group VII and VIII</u></b>										
AgSouth	AGS Woodruff	<b>55.1</b>	2	<b>58.4</b>	10/26	39	2.9	17.7	1.5	1.0
Asgrow	AG7733	<b>54.0</b>	3	<b>56.0</b>	10/24	34	1.8	16.6	1.7	1.0
Public Variety	Santee	<b>52.2</b>	7	51.8	10/23	46	3.3	13.9	1.5	1.0
AgSouth	AGS Prichard RR	<b>52.1</b>	5	53.7	10/30	38	2.5	14.0	1.5	1.0
AgSouth	AGS787 RR	<b>51.1</b>	4	55.0	10/22	37	1.3	14.4	1.3	1.0
Pioneer	97M50	<b>50.9</b>	10	49.6	10/22	36	3.2	13.6	1.3	1.0
SS	SS7511NR2	<b>48.3</b>	6	53.3	10/29	36	1.5	17.5	1.3	1.0
NK	S78-G6 Brand	<b>43.3</b>	8	50.6	10/24	39	1.7	17.5	1.3	1.0
Dyna-Gro	34RY75	.	1	<b>59.9</b>	10/26	43	3.2	13.3	1.7	1.0
Public Variety	Motte	.	9	49.9	10/28	39	2.7	14.9	2.0	1.0
Average		50.9		53.8 <sup>8</sup>	10/25	39	2.4	15.3	1.5	1.0
LSD at 10% Level		N.S.		4.6	02	5	1.0	1.5	0.3	-
Std. Err. of Entry Mean		1.8		1.9	01	2	0.4	0.6	0.1	-

## Griffin, Georgia: Dryland Soybean Variety Performance, 2013 (Continued)

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1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 7.6% and df for EMS = 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 = 7.6% and df for EMS = 18.
8. CV = 6.0% 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 & VI - May 23, 2013.  
Maturity Group VII & VIII - June 24, 2013.

Harvested: Maturity Groups V - October 15, 2013.  
Maturity Group VI - October 29, 2013.  
Maturity Group VII & VIII - November 6, 2013.

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

Soil Type: Cecil clay loam.

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

Fertilization: 30 lb N, 30 lb P<sub>2</sub>O<sub>5</sub>, and 90 lb K<sub>2</sub>O/acre.

Previous Crop: Sorghum.

Management: Chisel plowed, disked, rototilled; Lasso and one cultivation used for weed control;  
Karate used for insect control; Domark used for fungal control.

Test conducted by J. Gassett and G. Ware.