

# PEANUT

## Tifton, Georgia: Yield and Grade Performance Peanut Variety Trial, 2004, Irrigated

Variety	Digging Date	Yield (lb/A)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Spanish Types</u>							
Georgia -04S	09/23	<b>3923</b>	72.5	6.5	0.5	.	1304
Georgia Browne	09/23	<b>3796</b>	73.0	5.0	0.5	.	1305
Tamspan 90	08/24	2227	60.5	11.5	0.5	.	1432
Spanco	08/19	1667	59.5	11.0	0.5	.	1505
Pronto	08/19	1623	61.5	10.5	1.0	.	1322
OLin	08/24	1578	63.0	8.5	1.0	.	1470
Average	09/01	2469 <sup>1</sup>	65.0	8.8	0.7	.	1389
LSD at 10% Level		318	4.7	4.7	2.7	-	125
Std. Err. Of Entry Mean		134	1.9	1.9	1.1	-	48
<u>Valencia Types</u>							
Georgia Valencia	08/24	2586	54.0	8.0	4.0	.	972
GA Val-10 <sup>2</sup>	08/24	2206	52.5	9.5	3.5	.	1004
Valencia McRan	08/19	1631	48.5	19.0	1.5	.	1310
N.M. Valencia A	08/19	1608	44.0	22.5	2.5	.	1376
N.M. Valencia C	08/19	1568	50.0	17.5	1.5	.	1335
Georgia Red	08/24	1547	59.0	10.5	1.5	.	1149
H & W Valencia 101	08/19	1468	53.0	14.5	1.0	.	1243
H & W Valencia 102	08/19	1458	46.5	21.5	1.0	.	1344
Average	08/21	1759 <sup>1</sup>	50.9	15.4	2.1	.	1216
LSD at 10% Level		318	4.7	4.7	2.7	-	125
Std. Err. Of Entry Mean		134	1.9	1.9	1.1	-	48

1. CV = 16.0% and df for EMS = 65.

2. Advanced Georgia breeding line.

**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, 2004.

Seeding Rate: 6 seed/row foot in 36" rows.

Fertilization: 12 lb N, 36 lb P<sub>2</sub>O<sub>5</sub>, 72 lb K<sub>2</sub>O, and 1000 lb/a gypsum.

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

Soil Type: Tifton loamy sand.

Previous Crop: Cotton.

Management: Moldboard plowed and rototilled; Dual+Sonalan used for weed control; Temik and Karate used for insect control; Headline (2 sprays), Folicur (4 sprays), and Bravo (1 spray) used for fungal control; irrigated 6.0 inches.

Test conducted by A. E. Coy, R. Brooke, R. Burton, and D. Day.

## Tifton, Georgia: Yield and Grade Performance Peanut Variety Trial, 2004, Irrigated

Variety	Digging Date	Yield (lb/A)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
Andru II	09/22	<b>3556</b>	71.0	5.0	0.5	.	918
Georgia-03L	10/06	<b>3496</b>	73.0	3.0	1.0	.	697
Georgia-02C	10/06	3250	78.0	2.5	0.5	.	745
GA 011521 <sup>1</sup>	10/06	3204	77.5	4.0	0.0	.	719
GA 002501 <sup>1</sup>	09/21	3106	74.0	3.0	1.5	.	787
C-99R	10/14	2947	77.0	2.5	0.5	.	686
GA 011568 <sup>1</sup>	10/06	2720	76.5	3.5	0.5	.	781
Tamrun OL02	10/06	2678	70.5	5.0	1.5	.	756
DP-1	10/14	2579	74.5	4.0	1.0	.	752
GA 011557 <sup>1</sup>	10/06	2569	77.5	2.5	1.0	.	700
Georgia-01R	10/14	2373	73.0	5.0	1.0	.	740
AP-3	10/06	2276	73.0	2.5	1.0	.	781
Georgia Green	10/06	2185	75.5	3.5	0.5	.	853
Tifrunner	10/14	1879	76.5	3.0	0.5	.	744
Hull	10/14	1663	73.0	4.5	0.5	.	805
Carver	10/06	1144	70.0	6.0	1.0	.	830
ANorden	10/06	683	71.5	6.0	1.5	.	920
Average	10/07	2489 <sup>2</sup>	74.2	3.9	0.8	.	777
LSD at 10% Level		412	3.6	1.9	N.S. <sup>3</sup>	-	77
Std. Err. Of Entry Mean		176	1.5	0.8	0.5	-	32
<u>Virginia Types</u>							
Georgia Hi-O/L	09/22	<b>3856</b>	78.5	1.0	2.0	42.5	569
Perry	09/22	<b>3596</b>	75.0	1.5	0.5	43.0	573
Gregory	09/22	3286	72.0	1.0	1.0	50.0	466
GA 002506 <sup>1</sup>	10/06	3258	79.0	1.5	1.0	51.0	642
Wilson	09/22	3152	71.0	2.0	0.5	36.0	543
NC-V 11	09/22	3023	71.0	3.0	1.0	32.0	593
GA 012535 <sup>1</sup>	10/06	1473	73.5	1.5	2.5	45.0	561
Average	09/26	3092 <sup>2</sup>	74.3	1.6	1.2	42.8	564
LSD at 10% Level		412	3.6	1.9	N.S.	2.4	75
Std. Err. Of Entry Mean		176	1.5	0.8	0.5	1	17

1. Advanced Georgia breeding line.

2. CV = 16.1% and df for EMS = 115.

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

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

Planted: May 21, 2004.

Seeding Rate: 6 seed/row foot in 36" rows.

Fertilization: 12 lb N, 36 lb P<sub>2</sub>O<sub>5</sub>, 72 lb K<sub>2</sub>O, and 1000 lb/a gypsum.

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

Soil Type: Tifton loamy sand.

Previous Crop: Cotton.

Management: Moldboard plowed and rototilled; Dual and Sonalan used for weed control; Temik and Karate used for insect control; Headline (2 sprays), Folicur (4 sprays), and Bravo (1 spray) used for fungal control; irrigated 6.0 inches.

Test conducted by A. E. Coy, R. Brooke, R. Burton, and D. Day.

**NOTE:** The yield potential was reduced in this experiment due to excessive rainfall from three tropical storms (hurricanes Frances, Ivan, and Jeanne), which decreased the effectiveness of the fungicide program, and from waterlogged soils culminating in early leaf drop.

## Tifton, Georgia: Yield and Grade Performance Peanut Variety Trial, 2004, Nonirrigated

Variety	Digging Date	Yield (lb/A)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
Georgia-03L	10/06	<b>5004</b>	75.5	2.5	0.0	.	676
GA 011557 <sup>1</sup>	10/06	<b>4625</b>	79.5	2.5	0.5	.	685
Georgia-02C	10/06	<b>4610</b>	79.5	1.5	0.0	.	772
Georgia Green	10/06	<b>4608</b>	76.5	3.5	0.5	.	837
GA 011568 <sup>1</sup>	10/06	4446	78.5	2.5	0.5	.	712
GA 011521 <sup>1</sup>	10/06	4218	79.0	2.5	0.0	.	735
AP-3	10/06	4209	74.0	3.5	0.0	.	770
GA 002501 <sup>1</sup>	09/21	4165	77.0	3.0	0.0	.	780
Andru II	09/22	3876	70.5	5.0	0.5	.	889
Georgia-01R	10/14	3699	76.0	3.0	0.5	.	737
Tamrun OL02	10/06	3553	75.5	3.0	0.5	.	816
C-99R	10/14	3496	76.5	2.5	0.0	.	661
Carver	10/06	3463	74.0	4.5	0.0	.	830
Hull	10/14	3299	75.5	2.5	0.0	.	702
DP-1	10/14	3286	76.5	3.0	0.0	.	807
Tifrunner	10/14	3201	73.5	3.0	1.0	.	786
ANorden	10/06	2862	74.5	5.0	0.0	.	842
Average	10/07	3919 <sup>2</sup>	76.0	3.1	0.2	.	767
LSD at 10% Level		478	3.2	1.5	0.7	-	57
Std. Err. Of Entry Mean		204	1.3	0.6	0.3	-	24
<u>Virginia Types</u>							
NC-V 11	09/22	4430	72.0	1.5	1.0	33.5	582
Gregory	09/22	4158	69.5	1.5	1.0	45.5	495
GA 012535 <sup>1</sup>	10/06	4157	77.0	1.0	0.5	46.5	445
Georgia Hi-O/L	09/22	4117	75.0	2.0	1.5	45.5	551
GA 002506 <sup>1</sup>	10/06	4088	79.5	1.0	0.0	50.0	611
Wilson	09/22	3949	60.5	4.0	1.0	26.0	587
Perry	09/22	3774	72.5	2.5	1.0	34.0	555
Average	09/26	4096 <sup>2</sup>	72.3	1.9	0.9	40.1	546
LSD at 10% Level		478	3.2	1.5	0.7	6.0	57
Std. Err. Of Entry Mean		204	1.3	0.6	0.3	1.4	24

1. Advanced Georgia breeding line.
2. CV = 12.6% and df for EMS = 115.

**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, 2004.

Seeding Rate: 6 seed/row foot in 36" rows.

Fertilization: 12 lb N, 36 lb P<sub>2</sub>O<sub>5</sub>, 72 lb K<sub>2</sub>O, and 1000 lb/a gypsum.

Soil Test: P = Medium, K = Medium, and pH = 5.9.

Soil Type: Tifton loamy sand.

Previous Crop: Fallow.

Management: Moldboard plowed and rototilled; Dual and Sonalan used for weed control; Temik and Karate used for insect control; Headline (2 sprays), Folicur (4 sprays), and Bravo (1 spray) used for fungal control.

Test conducted by A. E. Coy, R. Brooke, R. Burton, and D. Day.

## Plains, Georgia: Yield and Grade Performance Peanut Variety Trial, 2004, Irrigated

Variety	Digging Date	Yield (lb/A)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
GA 011557 <sup>1</sup>	10/02	<b>4777</b>	79.0	1.5	0.0	.	667
GA 011568 <sup>1</sup>	10/02	<b>4715</b>	78.0	2.0	0.0	.	750
GA 011521 <sup>1</sup>	10/02	<b>4465</b>	78.5	2.0	0.0	.	752
Georgia-03L	10/02	<b>4310</b>	75.0	1.5	0.0	.	707
Georgia Green	10/02	<b>4242</b>	75.5	3.5	0.0	.	821
Andru II	09/22	<b>4217</b>	74.0	3.5	0.0	.	835
GA 002501 <sup>1</sup>	09/22	<b>4156</b>	76.5	2.0	0.0	.	748
Georgia-02C	10/02	4134	78.0	3.5	0.0	.	751
Georgia-01R	10/14	4039	78.0	1.0	0.0	.	648
Carver	10/02	3931	73.5	5.0	0.0	.	771
Hull	10/14	3896	75.5	2.0	0.0	.	729
C-99R	10/14	3808	78.0	1.5	0.0	.	682
AP-3	10/02	3777	72.5	2.0	0.0	.	724
Tamrun OL02	10/02	3527	73.5	3.0	0.0	.	759
DP-1	10/14	3516	73.5	3.5	0.0	.	832
Tifrunner	10/14	3118	76.0	2.0	0.0	.	782
ANorden	10/02	2958	75.0	3.5	0.0	.	757
Average	10/04	3976 <sup>2</sup>	75.9	2.5	0.0	.	748
LSD at 10% Level		630	3.1	1.8	-	-	30
Std. Err. Of Entry Mean		269	0.7	0.7	-	-	12
<u>Virginia Types</u>							
Perry	09/22	<b>4577</b>	77.0	2.0	0.5	33.5	549
Gregory	09/22	<b>4430</b>	69.5	1.5	1.0	19.5	528
GA 012535 <sup>1</sup>	10/02	<b>4394</b>	75.0	1.5	1.0	25.5	480
NC-V 11	09/22	<b>4316</b>	70.0	3.0	0.0	18.5	606
Wilson	09/22	<b>4181</b>	71.0	2.0	0.5	41.0	579
Georgia Hi-O/L	09/22	4074	77.0	2.0	1.0	30.5	574
GA 002506 <sup>1</sup>	10/02	3713	79.0	1.0	0.0	41.0	614
Average	09/25	4241 <sup>2</sup>	74.1	1.9	0.6	29.9	561
LSD at 10% Level		630	3.1	1.8	0.3	11.7	30
Std. Err. Of Entry Mean		269	0.7	0.7	0.1	4.8	12

1. Advanced Georgia breeding line.

2. CV = 16.2% and df for EMS = 115.

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

Planted: May 24, 2004.

Seeding Rate: 6 seed/row foot in 36" rows.

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

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

Soil Type: Greenville sandy loam.

Previous Crop: Corn.

Management: Subsoiled, moldboard plowed, and rototilled; Dual, Sonalan, and Strong Arm used for weed control; Temik, Lorsban, Lanate, and Karate used for insect control; Vapam (soil injected), Bravo (2 sprays), and Folicur (4 sprays) used for fungal control; irrigated 6.0 inches.

Test conducted by A. E. Coy, R. Brooke, R. Burton, R. R. Pines, and D. Day.

## Plains, Georgia: Yield and Grade Performance Peanut Variety Trial, 2004, Nonirrigated

Variety	Digging Date	Yield (lb/A)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
GA 011557 <sup>1</sup>	10/02	<b>5489</b>	77.0	2.0	0.0	.	644
Georgia Green	10/02	<b>5050</b>	74.5	4.0	0.5	.	781
GA 011568 <sup>1</sup>	10/02	4998	77.5	3.0	0.5	.	735
AP-3	10/02	4907	71.5	2.5	0.0	.	709
GA 011521 <sup>1</sup>	10/02	4817	77.5	2.0	0.0	.	759
C-99R	10/14	4805	75.5	2.5	0.0	.	694
Carver	10/02	4721	70.0	5.5	1.0	.	773
Hull	10/14	4578	74.0	2.0	0.5	.	699
Georgia-03L	10/02	4566	73.0	1.0	0.0	.	658
Georgia-02C	10/02	4561	78.5	1.0	0.0	.	703
Tifrunner	10/14	4547	74.5	2.5	0.0	.	784
GA 002501 <sup>1</sup>	09/22	4543	75.0	3.0	0.0	.	791
Georgia-01R	10/14	4453	76.5	2.5	0.0	.	722
ANorden	10/02	4380	74.5	3.0	0.5	.	797
Andru II	09/22	4264	70.5	4.0	0.0	.	826
DP-1	10/14	4144	74.0	3.0	0.0	.	832
Tamrun OL02	10/02	3521	74.5	2.0	1.0	.	747
Average	10/04	4608 <sup>2</sup>	74.6	2.7	0.2	.	744
LSD at 10% Level		460	3.7	1.7	1.0	-	45
Std. Err. Of Entry Mean		196	1.5	0.7	0.4	-	18
<u>Virginia Types</u>							
GA 002506 <sup>1</sup>	10/02	4922	77.0	1.0	0.0	54.0	632
Wilson	09/22	4812	63.5	3.0	0.5	30.0	575
GA 012535 <sup>1</sup>	10/02	4778	74.0	1.5	0.5	55.5	507
Gregory	09/22	4770	64.0	3.0	3.5	30.5	535
Georgia Hi-O/L	09/22	4706	69.0	3.5	1.5	26.0	580
Perry	09/22	4665	68.5	4.0	1.5	28.0	613
NC-V 11	09/22	4573	70.5	3.5	1.5	27.5	601
Average	09/25	4746 <sup>2</sup>	69.5	2.8	1.3	35.9	577
LSD at 10% Level		460	3.7	1.7	1.0	7.1	45
Std. Err. Of Entry Mean		196	1.5	0.7	0.4	2.9	18

1. Advanced Georgia breeding line.
2. CV = 10.3% and df for EMS = 115.

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

Planted: May 24, 2004.

Seeding Rate: 6 seed/row foot in 36" rows.

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

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

Soil Type: Greenville sandy loam.

Previous Crop: Corn.

Management: Subsoiled, moldboard plowed, and rototilled; Dual, Sonalan, and Strong Arm used for weed control; Temik, Lorsban, Lanate, and Karate used for insect control; Vapam (soil injected), Bravo (2 sprays), and Folicur (4 sprays) used for fungal control.

Test conducted by A. E. Coy, R. Brooke, R. Burton, R. R. Pines, and D. Day.

## Midville, Georgia: Yield and Grade Performance Peanut Variety Trial, 2004, Irrigated

Variety	Digging Date	Yield (lb/A)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
GA 011557 <sup>1</sup>	10/05	<b>4392</b>	73.5	4.0	0.0	.	700
Georgia-02C	10/05	3936	73.0	4.0	0.0	.	846
GA 011568 <sup>1</sup>	10/05	3831	73.0	4.0	0.0	.	787
GA 011521 <sup>1</sup>	10/05	3795	72.0	5.0	0.0	.	788
Georgia-03L	10/05	3739	69.5	4.0	0.0	.	731
Georgia-01R	10/14	3584	76.0	2.5	0.0	.	737
Tifrunner	10/14	3026	73.0	3.5	0.0	.	809
Georgia Green	10/05	3000	72.0	4.5	0.0	.	889
C-99R	10/14	2889	72.5	4.5	0.0	.	704
Carver	10/05	2816	67.5	6.5	0.0	.	815
AP-3	10/05	2759	69.0	3.5	0.0	.	746
Hull	10/14	2723	71.0	4.0	0.0	.	764
Andru II	09/25	2664	66.5	7.5	0.0	.	942
Tamrun OL02	10/05	2594	63.5	8.0	0.0	.	814
DP-1	10/14	2547	70.0	6.5	0.0	.	856
GA 002501 <sup>1</sup>	09/25	2494	72.0	5.0	0.0	.	786
ANorden	10/05	2029	70.0	6.0	0.0	.	877
Average	10/06	3107 <sup>2</sup>	70.8	4.9	0.0	.	799
LSD at 10% Level		439	4.4	2.3	-	-	52
Std. Err. Of Entry Mean		187	1.7	0.9	-	-	22
<u>Virginia Types</u>							
GA 002506 <sup>1</sup>	10/05	<b>4113</b>	76.0	3.0	0.5	46.5	565
NC-V 11	09/25	3377	66.5	4.0	1.0	36.5	571
Wilson	09/25	3350	67.5	3.5	0.0	22.5	579
GA 012535 <sup>1</sup>	10/05	3248	73.0	2.0	1.0	52.5	493
Gregory	09/25	2820	66.5	2.5	1.0	47.0	521
Perry	09/25	2737	71.0	3.0	1.0	35.0	509
Georgia Hi-O/L	09/25	2654	70.5	3.0	1.0	39.5	591
Average	09/28	3186 <sup>2</sup>	70.1	3.0	0.8	39.9	547
LSD at 10% Level		439	4.4	2.3	N.S. <sup>3</sup>	8.0	52
Std. Err. Of Entry Mean		187	1.7	0.9	0.3	3.2	22

1. Advanced Georgia breeding line.
2. CV = 14.7% and df for EMS = 115.
3. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

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

Planted: May 19, 2004.

Seeding Rate: 6 seed/row foot in 38" rows.

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

Soil Test: P = High, K = Very High, and pH = 7.1.

Soil Type: Dothan loamy sand.

Previous Crop: Cotton.

Management: Moldboard plowed, bedded, and rototilled; Dual, Sonalan, Basagran, and Blazer used for weed control; Karate used for insect control; Vapam (soil injected), Bravo (2 sprays), Folicur (4 sprays), and Headline (1 spray) used for fungal control; irrigated 10.0 inches.

Test conducted by A. E. Coy, R. Brooke, R. Burton, R. Jackson, T. Robinson, and D. Day.

## Midville, Georgia: Yield and Grade Performance Peanut Variety Trial, 2004, Nonirrigated

Variety	Digging Date	Yield (lb/A)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
AP-3	10/05	<b>3997</b>	57.0	10.5	0.0	.	876
GA 011557 <sup>1</sup>	10/05	<b>3957</b>	71.5	5.5	0.0	.	702
Georgia-02C	10/05	<b>3954</b>	69.5	7.0	0.0	.	860
GA 011568 <sup>1</sup>	10/05	<b>3907</b>	71.0	6.0	0.5	.	794
Georgia-03L	10/05	<b>3754</b>	69.5	3.5	0.0	.	740
Georgia-01R	10/14	3607	70.0	5.5	0.5	.	886
GA 011521 <sup>1</sup>	10/05	3596	74.0	4.5	0.0	.	758
Georgia Green	10/05	3569	68.0	8.0	0.0	.	937
Tifrunner	10/14	3502	65.0	7.0	0.5	.	877
C-99R	10/14	3229	69.0	6.5	0.0	.	780
Carver	10/05	3114	58.0	12.5	1.0	.	866
ANorden	10/05	3113	62.0	11.5	0.5	.	879
Hull	10/14	2933	60.5	9.5	1.0	.	848
GA 002501 <sup>1</sup>	09/25	2702	64.0	10.5	0.5	.	879
DP-1	10/14	2666	61.5	12.0	0.0	.	887
Tamrun OL02	10/05	2619	60.0	14.0	0.0	.	914
Andru II	09/25	2429	49.0	21.0	0.0	.	1091
Average	10/06	3332 <sup>2</sup>	64.7	9.1	0.3	.	857
LSD at 10% Level		451	9.9	4.0	1.2	-	107
Std. Err. Of Entry Mean		192	4.1	1.6	0.5	-	44
<u>Virginia Types</u>							
GA 002506 <sup>1</sup>	10/05	<b>4175</b>	72.0	4.5	0.5	19.5	700
GA 012535 <sup>1</sup>	10/05	<b>4136</b>	65.0	3.5	2.0	22.5	648
Wilson	09/25	2759	54.0	8.5	1.5	10.0	751
NC-V 11	09/25	2512	51.0	11.5	2.0	9.5	744
Georgia Hi-O/L	09/25	2388	62.5	8.5	2.0	13.5	637
Perry	09/25	2141	52.0	10.5	2.0	10.0	671
Gregory	09/25	2121	49.0	10.5	2.5	10.5	705
Average	09/28	2890 <sup>2</sup>	57.9	8.2	1.8	13.6	693
LSD at 10% Level		451	9.9	4.0	1.2	5.9	107
Std. Err. Of Entry Mean		192	4.1	1.6	0.5	2.4	44

1. Advanced Georgia breeding line.

2. CV = 14.7% and df for EMS = 115.

**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 19, 2004.

Seeding Rate: 6 seed/row foot in 38" rows.

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

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

Soil Type: Dothan loamy sand.

Previous Crop: Cotton.

Management: Moldboard plowed, bedded, and rototilled; Dual, Sonalan, Basagran, and Blazer used for weed control; Karate used for insect control; Vapam (soil injected), Bravo (2 sprays), Folicur (4 sprays), and Headline (1 spray) used for fungal control.

Test conducted by A. E. Coy, R. Brooke, R. Burton, R. Jackson, T. Robinson, and D. Day.