

2006 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIALS

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This report represents only one-year results. Multiple-year comparisons are recommended for more comprehensive variety evaluations. Georgia Peanut Variety Trials are annually conducted at three locations in the state (Coastal Plain Experiment Station at Tifton, Southwest Georgia Research and Education Center near Plains, and Southeast Georgia Education Center near Midville). The irrigated test involves all recommended production practices, ie. fertilization, irrigation, and pesticide applications; and the nonirrigated test excludes just irrigation.

Coastal Plain Experiment Station – Sp/Val Irrigated Test

Georgia Browne, Georgia-04S, and three advanced Georgia breeding lines (GA 042633, GA 042634, and GA 042635) have pod and seed size similar to other spanish-type varieties. During 2006, all five of these produced >1000 lb/a more yield than the next best yielding spanish variety, Tamspan 90. GA 042634 had significantly higher yield and among the highest TSMK grade compared to all of the spanish-type varieties.

As in previous years, Georgia Valencia again had the highest yield among all of the valencia-type varieties in 2006. Also, Georgia Red again had the highest TSMK grade percentage at 59%.

Coastal Plain Experiment Station – Ru/Va Irrigated Test

The 2006 growing season was in many ways just the opposite from 2005. In general, 2006 was overall much dryer compared to last year. Irrigation was needed throughout the growing season, especially early in season during May and June. Spotted wilt disease caused by Tomato spotted wilt virus (TSWV) was also not as severe in 2006 compared to 2005. Disease ratings were taken during mid-season and just prior to harvest.

Six new runner-type varieties and one new virginia-type variety were included in the 2006 entry list. 'Georgia-06G' and 'Georgia Greener' are two new medium-maturity, TSWV-resistant, runner-type varieties from the University of Georgia. Both were developed at the Coastal Plain Experiment Station at Tifton, GA and tested as GA 011557 and GA 011568, respectively. 'Florida-07', 'McCloud', and 'York' are three new large-seeded, runner-type varieties from the University of Florida. McCloud is medium-maturity, Florida-07 is medium late-maturity, and York is late-maturity. All three are high-oleic varieties. 'AT 3085A' is a medium-maturity, large-seeded, runner-type variety from Golden Peanut Company. It was developed by AgraTech Seeds Inc. and also has the high-oleic trait. 'CHAMPS' is a virginia-type variety developed by the Virginia Polytech Institute and State University and USDA/ARS. It has large seed, bright pods, and medium early maturity.

The advanced Georgia breeding line, GA 011514, topped the runner-type varieties for yield. However, GA 011514 was not significantly different in yield from Georgia Greener, Georgia-06G, and Florida-07. Georgia Hi-O/L and the advanced Georgia breeding line

GA 012519, had the highest yields among the virginia-type varieties. Georgia-05E had the highest TSMK grade at 79%, and the advanced Georgia breeding line, GA 012535 had the highest percentage of extra large kernels (ELK) with 56%.

Coastal Plain Experiment Station – Ru/Va Nonirrigated Test

Drought stress was a major yield and grade limiting factor in 2006 at this location but not as great as at the Plains and Midville locations. Drought did however reduce the average yield of the runner and virginia-types in this nonirrigated test by almost 1000 lb/a and grades by approximately 1% and 4%, respectively compared to the irrigated test.

The advanced Georgia breeding line, GA 011514, topped the runner-type varieties for yield at this location in both the irrigated and nonirrigated tests. However, GA 011514 was not significantly different in yield from AP-3 and Georgia-03L. Georgia-06G, Georgia Greener, and the advanced Georgia breeding line, GA 012517 had the highest percentage of TSMK grade at 74%.

Two advanced Georgia breeding lines, GA 012535 and GA 012519 had the highest yields among the virginia-types in this nonirrigated test. GA 012535 also had the highest percent of ELK at 54%.

Southwest Georgia Research and Education Center – Ru/Va Irrigated Test

Irrigation was needed especially early in the season during May and June for this test location in 2006. Overall yields and grades were much higher this year compared to 2005. Disease pressure was also much less as well.

Florida-07 topped the runner entries in yield, but was not significantly different from GA 011514, Georgia Greener, Georgia-06G, AT 3085A, and Georgia-03L. The advanced Georgia breeding line, GA 011514, Georgia Greener, and the virginia-type variety, Georgia-05E had the highest percent TSMK at 78%. Two advanced Georgia breeding lines, GA 012519 and GA 012535, and Georgia-05E had the highest yields among the virginia-types. GA 012535 also had the highest percentage of ELK at 57%.

Southwest Georgia Research and Education Center – Ru/Va Nonirrigated Test

Drought was very severe early in the growing season at this location during 2006. However, much needed rains came in July and August which really allowed for a crop to produce but delayed maturation about a month compared to the irrigated test at this same location.

Georgia Hi-O/L topped the virginia-types in yield; whereas AT 3081R topped the runner-types in yield but was not significantly different from Georgia-03L, Georgia-02C, Florida-07, Georgia Greener, Georgia-06G, and the advanced Georgia breeding line, GA 011514. The virginia-type variety, Georgia-05E had the highest percent TSMK at 78%. The advanced Georgia breeding line, GA 012535, had the highest percent of ELK at 60%.

Southeast Georgia Education Center – Ru/Va Irrigated Test

Irrigation was especially needed throughout the growing season at this test location during 2006. TSWV and some soilborne diseases were also quite prevalent throughout the test.

AT 3085A topped the runner-types in yield, but it was not significantly different from Georgia-02C, Georgia-01R, and C-99R. Georgia-06G, Georgia Greener, and the advanced Georgia breeding line, GA 011514, had the highest percent TSMK grade at 76%. Georgia-05E topped the virginia-types in yield and TSMK grade at 74%. The advanced virginia-type Georgia breeding line, GA 012535 again had the highest percent of ELK at 55%, however Georgia-05E was a close second with 51% ELK.

Southeast Georgia Education Center – Ru/Va Nonirrigated Test

Drought stress was most severe at this test location compared to the other locations during 2006 as in 2005 and 2004. In fact, drought stress was so severe this year that plants were stunted to only about 6-10" in width during October, and very few if any mature pods could be found on the plants. Thus, due to the prolonged hot and dry conditions, a harvestable crop was not produced, and no data obtained.

2006 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Coastal Plain Experiment Station
-Sp/Val Irrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Spanish Types</u>							
GA 042634 ¹	10/06	5469	74.0	5.0	1.0	.	1130
Georgia Browne	10/06	5128	70.0	5.5	1.0	.	1270
Georgia-04S	10/06	4914	70.0	6.5	1.0	.	1523
GA 042635 ¹	10/06	4908	74.5	5.0	1.5	.	1154
GA 042633 ¹	10/06	4456	73.5	4.5	1.0	.	1228
Tamspan 90	08/29	3127	67.0	6.5	1.0	.	1208
Spanco	08/18	2286	60.5	11.0	1.0	.	1365
OLin	08/29	2248	67.0	7.0	0.0	.	1341
Pronto	08/18	2056	62.0	9.5	0.5	.	1287
Average	09/17	3843 ²	68.7	6.7	0.9	.	1278
LSD at 10% Level		300	3.4	2.3	1.2		155
Std. Err. Of Entry Mean		127	1.4	0.9	1.5		63
<u>Valencia Types</u>							
Georgia Valencia	08/29	2521	57.5	4.5	3.5	.	860
H & W Valencia 101	08/18	1942	57.0	10.0	1.0	.	1356
Georgia Red	08/29	1810	59.0	9.5	2.0	.	1245
N.M. Valencia A	08/18	1768	53.5	12.0	1.5	.	1288
N.M. Valencia C	08/18	1723	57.0	10.0	2.0	.	1434
H & W Valencia 102	08/18	1667	55.0	11.0	1.5	.	1385
Valencia McRan	08/18	1653	55.5	12.0	0.0	.	1411
Average	08/21	1869 ²	56.4	9.9	1.6	.	1283
LSD at 10% Level		300	3.4	2.3	1.2		155
Std. Err. Of Entry Mean		127	1.4	0.9	0.5		63

1. Advanced Georgia breeding line.
 2. CV = 10.5% and df for EMS = 75.
- Planted: May 19, 2006.

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

2006 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Coastal Plain Experiment Station
-Ru/Va Irrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
GA 011514 ¹	09/25	6161	74.0	4.0	1.5	.	740
Georgia Greener	09/25	6072	74.0	5.0	1.0	.	795
Georgia-06G	09/25	6034	76.5	2.5	1.0	.	765
Florida 07	09/25	5779	71.0	4.0	0.5	.	671
Georgia Green	09/25	5578	72.5	5.0	1.5	.	869
Georgia-02C	09/25	5573	73.0	5.0	0.5	.	839
Georgia-03L	09/25	5548	70.5	4.0	0.5	.	763
C-99R	10/06	5548	71.5	5.0	0.5	.	725
AT3081R	09/25	5359	70.0	4.5	0.5	.	829
Carver	09/14	5352	67.0	9.0	0.0	.	945
AT 3085A	09/25	5347	73.5	4.0	0.5	.	707
GA 012517 ¹	09/14	5289	77.0	4.0	0.0	.	772
AP-3	09/25	5160	69.5	4.5	0.5	.	790
Georgia-01R	10/06	5028	73.0	4.0	0.5	.	770
McCloud	09/25	4993	72.0	4.5	1.0	.	729
Andru II	09/14	4907	66.0	8.0	0.0	.	1059
York	10/06	4805	67.5	6.0	0.0	.	960
CRSP 38 ²	10/06	4546	69.0	4.0	1.0	.	731
Tifrunner	10/06	4461	72.0	5.0	1.0	.	830
Average	09/26	5344 ³	71.6	4.8	0.6	.	804
LSD at 10% Level		434	2.7	1.8	0.8		82
Std. Err. Of Entry Mean		185	1.1	0.8	0.3		34
<u>Virginia Types</u>							
Georgia Hi-O/L	09/14	5552	78.0	2.0	0.5	48.0	513
GA 012519 ¹	09/14	5537	77.5	1.0	1.0	35.5	552
Georgia-05E	10/06	5324	79.0	1.5	1.0	52.5	678
GA 012535 ¹	09/25	5309	75.0	2.0	1.0	56.0	507
CHAMPS	09/14	5168	71.5	2.5	0.0	31.5	475
Perry	09/14	4832	70.5	3.0	0.5	34.5	606
Gregory	09/14	4559	68.5	1.5	1.0	45.5	525
NC-V 11	09/14	4415	70.5	3.0	0.0	30.5	571
Average	09/18	5087 ³	73.8	2.1	0.6	41.8	553
LSD at 10% Level		434	2.7	1.8	0.8	2.5	82
Std. Err. Of Entry Mean		185	1.1	0.8	0.3	1.0	34

1. Advanced Georgia breeding line.
 2. Advanced USDA breeding line.
 3. CV = 8.6% and df for EMS = 130.
- Planted: May 19, 2006.

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

2006 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Coastal Plain Experiment Station
-Ru/Va Nonirrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
GA 011514 ¹	09/25	5236	73.0	4.0	1.0	.	751
AP-3	09/25	4846	67.0	5.0	1.0	.	773
Georgia-03L	09/25	4674	69.5	3.5	2.0	.	777
Georgia-01R	10/05	4651	73.0	4.5	0.5	.	787
Florida 07	09/25	4617	68.0	5.0	3.0	.	737
Tifrunner	10/05	4573	72.5	3.5	0.5	.	843
CRSP 38 ²	10/05	4497	70.0	4.5	0.5	.	698
York	10/05	4469	69.5	6.0	0.0	.	809
C-99R	10/05	4426	72.5	3.5	1.0	.	703
Georgia-06G	09/25	4406	74.5	3.0	2.0	.	703
Georgia-02C	09/25	4348	70.5	5.0	1.0	.	776
Carver	09/14	4247	67.5	8.0	0.0	.	842
AT3081R	09/25	4225	65.0	7.0	1.0	.	972
McCloud	09/25	4138	69.0	5.0	2.0	.	846
GA 012517 ¹	09/14	4089	74.0	4.5	0.5	.	814
Georgia Greener	09/25	3978	74.0	4.0	1.5	.	799
Georgia Green	09/25	3869	73.0	5.5	1.0	.	897
AT 3085A	09/25	3821	67.5	6.0	2.0	.	824
Andru II	09/14	3313	66.0	8.0	0.0	.	1410
Average	09/25	4338 ³	70.3	5.0	1.1	.	829
LSD at 10% Level		576	4.0	2.2	1.6		97
Std. Err. Of Entry Mean		301	1.6	0.9	0.7		40
<u>Virginia Types</u>							
GA 012535 ¹	09/25	4582	71.5	1.5	2.0	54.0	619
GA 012519 ¹	09/14	4511	72.5	4.5	1.5	31.0	595
Georgia-05E	10/05	4356	70.0	3.0	4.5	41.0	838
CHAMPS	09/14	4114	67.0	3.0	1.0	33.0	595
Georgia Hi-O/L	09/14	3778	73.5	2.5	1.0	40.0	540
Gregory	09/14	3522	65.5	2.5	0.5	40.5	604
NC-V 11	09/14	3198	66.5	3.5	1.0	25.5	776
Perry	09/14	2831	68.0	4.0	0.0	34.5	618
Average	09/18	3861 ³	69.3	3.1	1.4	37.4	648
LSD at 10% Level		576	4.0	2.2	1.6	4.1	97
Std. Err. Of Entry Mean		301	1.6	0.9	0.7	1.7	40

1. Advanced Georgia breeding line.
2. Advanced USDA breeding line.
2. CV = 14.3% and df for EMS = 130.
Planted: May 19, 2006.

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

2006 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Southwest Georgia Res. and Educ. Center
-Ru/Va Irrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
Florida 07	09/27	5799	76.0	3.0	0.0	.	696
GA 011514 ¹	09/27	5651	78.5	2.5	0.0	.	731
Georgia Greener	09/27	5584	78.0	2.0	0.0	.	812
Georgia-06G	09/27	5577	76.0	3.0	0.0	.	722
AT 3085A	09/27	5509	74.5	2.5	0.0	.	709
Georgia-03L	09/27	5451	74.5	2.5	0.0	.	764
AT3081R	09/27	5334	73.5	3.0	0.0	.	745
Carver	09/18	5167	70.0	6.0	0.0	.	876
Georgia Green	09/27	4863	75.0	5.0	0.0	.	977
McCloud	09/27	4662	75.5	3.0	0.0	.	699
Tifrunner	10/03	4624	73.0	4.5	0.0	.	809
York	10/03	4588	70.0	4.5	0.0	.	907
Georgia-02C	09/27	4582	75.5	3.5	0.0	.	904
GA 012517 ¹	09/18	4575	75.0	4.5	0.5	.	783
AP-3	09/27	4539	70.0	4.0	0.0	.	788
Georgia-01R	10/03	4472	76.0	2.0	0.5	.	707
C-99R	10/03	4385	74.0	3.5	1.0	.	726
Andru II	09/18	4238	65.5	8.5	0.5	.	1016
CRSP 38 ²	10/03	4200	72.5	3.5	0.0	.	764
Average	09/27	4937 ³	73.8	3.7	0.1	.	796
LSD at 10% Level		395	2.5	1.3	0.6		76
Std. Err. Of Entry Mean		168	1.1	0.5	0.2		32
<u>Virginia Types</u>							
GA 012519 ¹	09/18	5236	76.0	2.5	1.5	34.5	754
GA 012535 ¹	09/27	5086	75.5	0.5	0.5	57.0	461
Georgia-05E	10/03	5043	78.5	2.0	0.0	50.0	680
Georgia Hi-O/L	09/18	4745	74.5	3.0	1.0	39.5	707
CHAMPS	09/18	4443	70.0	4.0	1.0	38.5	527
Perry	09/18	4412	69.0	3.5	1.5	35.5	680
Gregory	09/18	4324	69.0	2.5	1.0	49.5	573
NC-V 11	09/18	3997	70.5	2.5	1.0	30.5	647
Average	09/21	4661 ³	72.9	2.6	0.9	41.9	629
LSD at 10% Level		395	2.5	1.3	0.6	2.1	76
Std. Err. Of Entry Mean		168	1.1	0.5	0.2	0.8	32

1. Advanced Georgia breeding line.
 2. Advanced USDA breeding line.
 2. CV = 8.5% and df for EMS = 130.
- Planted: May 17, 2006.

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

2006 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Southwest Georgia Res. and Educ. Center
-Ru/Va Nonirrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
AT3081R	10/26	4066	74.5	2.5	0.0	.	693
Georgia-03L	10/26	4008	72.0	2.5	0.0	.	708
Georgia-02C	10/26	3966	75.5	3.0	0.0	.	868
Florida 07	10/26	3965	72.5	2.5	0.5	.	687
Georgia Greener	10/26	3956	76.5	2.5	1.0	.	728
Georgia-06G	10/26	3810	76.0	2.0	1.0	.	708
GA 011514 ¹	10/26	3716	76.0	1.5	1.0	.	755
AT 3085A	10/26	3651	74.5	2.0	0.0	.	700
Andru II	10/03	3639	65.0	7.0	0.0	.	986
York	10/26	3605	67.5	5.0	0.5	.	867
GA 012517 ¹	10/03	3541	73.5	4.5	0.5	.	807
Carver	10/03	3415	66.0	7.5	0.0	.	807
Georgia Green	10/26	3296	74.5	3.5	0.5	.	852
Georgia-01R	10/26	3259	73.5	3.0	0.0	.	740
CRSP 38 ²	10/26	3256	75.5	2.5	0.0	.	631
AP-3	10/26	3126	69.0	3.5	0.5	.	838
McCloud	10/26	3054	73.5	3.0	1.0	.	680
C-99R	10/26	3006	74.0	2.5	0.5	.	720
Tifrunner	10/26	2925	66.5	7.0	1.0	.	942
Average	10/22	3540 ³	72.4	3.6	0.4	.	774
LSD at 10% Level		389	2.6	1.6	0.8		89
Std. Err. Of Entry Mean		166	1.1	0.7	0.4		37
<u>Virginia Types</u>							
Georgia Hi-O/L	10/03	4574	75.0	3.5	0.0	35.0	712
Gregory	10/03	3913	69.0	2.0	0.0	52.5	524
CHAMPS	10/03	3892	69.5	3.0	0.0	32.5	556
NC-V 11	10/03	3878	70.0	3.0	0.0	31.0	611
GA 012519 ¹	10/03	3578	76.5	2.5	1.0	21.0	714
Georgia-05E	10/26	3514	78.5	1.0	1.5	57.5	609
GA 012535 ¹	10/26	3496	74.0	1.5	0.5	59.5	515
Perry	10/03	3386	69.5	2.5	0.5	37.0	574
Average	10/09	3779 ³	72.8	2.4	0.4	40.8	602
LSD at 10% Level		389	2.6	1.6	0.8	4.7	89
Std. Err. Of Entry Mean		166	1.1	0.7	0.4	2.0	37

1. Advanced Georgia breeding line.
 2. Advanced USDA breeding line.
 3. CV = 11.3% and df for EMS = 130.
- Planted: May 17, 2006.

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

2006 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Southeast Georgia Education Center
-Ru/Va Irrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner Types</u>							
AT 3085A	09/26	4672	73.0	3.5	0.0	.	709
Georgia-02C	09/26	4345	72.5	4.5	0.5	.	849
Georgia-01R	10/06	4261	73.5	4.0	0.5	.	813
C-99R	10/06	4230	73.0	3.0	0.5	.	756
Florida 07	09/26	4121	70.0	4.0	0.0	.	764
AT3081R	09/26	4081	70.0	3.5	0.0	.	824
Tifrunner	10/06	3894	70.5	5.0	0.0	.	851
York	10/06	3792	67.0	7.5	0.0	.	956
Carver	09/20	3663	69.0	6.5	0.0	.	833
CRSP 38 ²	10/06	3548	71.5	4.5	0.0	.	759
GA 011514 ¹	09/26	3547	75.5	3.0	0.0	.	707
McCloud	09/26	3455	71.5	4.0	0.5	.	724
AP-3	09/26	3435	67.5	5.5	0.0	.	837
Georgia-03L	09/26	3299	69.5	4.0	0.0	.	784
Georgia Green	09/26	3183	72.0	5.5	0.0	.	986
Georgia Greener	09/26	3079	75.5	3.0	1.0	.	798
Georgia-06G	09/26	2915	76.5	2.0	0.5	.	711
Andru II	09/20	2841	66.0	7.0	0.0	.	1094
GA 012517 ¹	09/20	2749	74.5	4.0	0.0	.	819
Average	09/28	3637 ³	71.5	4.4	0.2	.	820
LSD at 10% Level		505	3.5	2.4	0.8		72
Std. Err. Of Entry Mean		216	1.4	1.0	0.3		30
<u>Virginia Types</u>							
Georgia-05E	10/06	4229	74.0	3.0	1.0	51.0	750
CHAMPS	09/20	3765	69.5	2.5	0.5	32.5	657
GA 012535 ¹	09/26	3300	73.5	1.5	1.5	55.0	462
Gregory	09/20	3180	65.5	2.5	0.5	41.0	638
GA 012519 ¹	09/20	2902	73.5	2.5	1.0	32.5	628
Perry	09/20	2833	68.5	2.5	0.5	32.5	699
NC-V 11	09/20	2721	68.0	4.5	0.5	26.0	641
Georgia Hi-O/L	09/20	2699	75.0	2.0	0.5	41.5	611
Average	09/23	3204 ³	70.9	2.6	0.8	39.0	636
LSD at 10% Level		505	3.5	2.4	0.8	4.8	72
Std. Err. Of Entry Mean		216	1.4	1.0	0.3	2.0	30

1. Advanced Georgia breeding line.
 2. Advanced USDA breeding line.
 3. CV = 15.1% and df for EMS = 130.
- Planted: May 18, 2006.

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

2006 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIALS
Coastal Plain Experiment Station
-Disease Rating-

Breeding Line and Variety	Ru/Va Irrigated Test		Ru/Va NonIrrigated Test	
	TSWV ¹ (%)	TD ² (%)	TSWV ¹ (%)	TD ² (%)
NC-V 11	33.8 a	46.2 a	45.0 a	58.8 a
C-99R	23.3 cd	39.6 ab	21.7 def	40.4 bcd
Gregory	29.6 ab	38.3 bc	37.9 b	48.3 b
CRSP 38 ⁴	23.8 cd	37.9 bcd	29.2 c	44.2 bc
Perry	26.7 bc	36.7 b-e	47.5 a	62.9 a
CHAMPS	24.2 cd	34.6 b-f	31.2 bc	45.8 bc
AT 3081R	16.7 efg	33.8 b-f	21.2 def	37.1 cde
McCloud	17.9 ef	32.5 c-g	27.9 cd	36.7 cde
Tifrunner	15.8 e-h	31.2 d-h	14.2 g-k	24.6 f-j
GA 012519 ³	8.8 klm	30.8 e-h	20.8 efg	41.2 bcd
Florida-07	12.1 g-k	29.2 fgh	18.8 fgh	27.5 e-i
Andru II	20.4 de	28.8 fgh	33.3 bc	44.6 bc
AT 3085A	9.6 j-m	26.2 ghi	16.7 f-i	39.6 bcd
Carver	17.1 ef	26.2 ghi	26.7 cde	36.2 cde
GA 012535 ³	13.8 f-j	26.2 ghi	19.6 fgh	29.2 efg
Georgia Green	10.4 i-l	25.4 hij	8.8 jkl	28.8 efg
York	15.0 f-i	25.4 hij	16.7 f-i	27.9 e-i
Georgia-05E	13.3 f-k	24.6 hij	13.3 h-k	25.0 f-j
AP-3	11.7 h-k	21.7 ijk	15.4 f-j	28.3 e-h
Georgia-01R	10.4 i-l	20.0 i-l	14.2 g-k	25.4 f-j
Georgia Hi-O/L	10.0 j-m	18.8 j-m	26.7 cde	41.2 bcd
Georgia-02C	6.2 lmn	18.8 j-m	11.7 i-l	18.8 hij
GA 012517 ³	3.3 n	17.1 k-n	16.7 f-i	33.3 def
Georgia-06G	6.2 lmn	16.2 k-n	6.2 l	22.5 g-j
Georgia-03L	5.4 mn	14.2 lmn	9.2 jkl	18.3 ij
GA 011514 ³	6.7 lmn	12.5 mn	7.5 kl	16.2 j
Georgia Greener	3.3 n	11.7 n	8.8 jkl	27.9 e-i
Mean	14.6	26.8	21.0	34.5

¹ Percentage of tomato spotted wilt virus (TSWV) incidence at about mid-season.

² Percentage of total disease (TD) incidence prior to digging, primarily TSWV and some soilborne diseases.

³ Advanced Georgia Breeding Line.

⁴ Advanced USDA Breeding Line.