

2007 EARLY-PLANTED MAXIMUM AND MINIMUM 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 breeding line and variety evaluations. Early-Planted Maximum and Minimum Georgia Peanut Breeding Line and Variety Trials are annually conducted at two locations in the state (Coastal Plain Experiment Station at Tifton and the Southwest Georgia Research and Education Center near Plains.) The maximum irrigated test involves all recommended production practices, i.e. fertilization, irrigation, and pesticide applications; whereas, the minimum nonirrigated test excludes irrigation, insecticides, and only three fungicide sprays are used during the whole growing season.

Coastal Plain Experiment Station – Early Planted Sp/Val Max. Irrigated Test

During 2007, two advanced Georgia breeding lines (GA 042634-6 and GA 042634-11) topped the test in yield and were significantly higher in yield than all other spanish and valencia-type breeding lines and varieties when planted early in mid-April. Georgia Browne and Georgia-04S were similar in yield and grade. Both of these spanish varieties were significantly lower in yield than GA 042634-6 and GA 042634-11, but significantly higher than all other spanish-types, except GA 042635-4.

Georgia Valencia had significantly higher yield than the other valencia-type varieties. It also has a larger seed size as denoted by fewer seed number (count) per pound than these other valencia varieties as well.

Coastal Plain Experiment Station – Early Planted Ru/Va Max. Irrigated Test

The 2007 growing season received very low rainfall, especially during April and May. Irrigation was needed throughout the growing season. Spotted wilt disease caused by Tomato spotted wilt virus (TSWV) was again quite high in this years maximum irrigated test. Disease ratings were taken during mid-season and just prior to harvest (see table).

The advanced Georgia breeding line, GA 032902, topped the Ru/Va test; however it was not significantly higher in yield than Georgia-06G. Another advanced Georgia breeding line, GA 012535, had significantly higher yield than all other virginia-types.

GA 032902 and GA 032803 had the highest TSMK grade at 80%. GA 012535 and Georgia-05E had the highest percentage of extra large kernels (ELK) with 63% among the virginia types. However, the runner-type cultivar, Georgia-01R, had the highest overall percentage of ELK or jumbo runner at 68%. Actually for runner market types, a slightly smaller screen size is used for jumbo runner vs. ELK virginia (+21/64 x 3/4 inch vs. +21.5/64 x 1 inch), respectively. GA 012535 also had the largest seed size as denoted by the fewest seed no./lb at 411.

Coastal Plain Experiment Station – Early Planted Ru/Va Min; Nonirrigated Test

Thrips damage was quite severe early in the growing season, but by mid-season plants seemingly recovered. Subsequently, leafhopper damage was noted on the more susceptible entries, but in general leafhopper burn was not as prominent and severe as in the past at this location.

As mentioned earlier, 2007 was a very hot and dry year throughout Georgia and the southeast U.S. Less than 10.00 inches of rainfall was recorded from April 17 planting date through August 29 at this test site. However, a few timely and scattered rains produced better yields than expected, but still much lower yields as compared to the maximum irrigated test. Under these stress conditions, Georgia-07W had the highest yield, but it was not significantly different from 19 other runner-types.

Again, GA 012535 had the highest yield of the virginia-types, but it also was not significantly different from four other virginia-types. The advanced Georgia breeding line, GA 032803, and Georgia-02C had the highest TSMK grade at 80%, and Georgia-01R had the highest jumbo runner percentage at 60%.

Southwest Georgia Research and Education Center – Early Planted Ru/Va Max. Irrigated Test

This test started out looking great. Very good stands on all entries and excellent plant growth and development. However, spider mites became extremely bad during August which significantly damaged the plants as well as lowered yields before finally being controlled by two separate miticide sprays. Very little significant difference was found among entries for yield. York produced the highest yield, but it was not significantly different from 16 other runner-types. Thus, the data is definitely not typical for this test location which normally results in excellent yields.

Grades were also adversely affected by spider mites with the advanced Georgia breeding lines GA 032902, GA 032913, and GA 032905 having the highest TSMK grade at 76%. Georgia-05E had the highest TSMK grade and ELK percentage among the virginia-types at 40% and 48%, respectively. Greater than 10% damage kernels (DK) were found among the virginia-types, except for GA 012535 and Georgia-05E.

Southwest Georgia Research and Education Center – Early Planted Ru/Va Min. Nonirrigated Test

Similar to the early-planted Ru/Va minimum nonirrigated test at the Coastal Plain Experiment Station, this test experienced significant reduction in plant growth due to drought stress. Thrips damage was uniformly widespread throughout the early growing season, however spider mites for some unknown reason was not as bad in this test as compared to the adjacent irrigated test. Perhaps, no insecticide use provided some beneficial control.

Yields and grade were certainly affected in this test as well. Georgia-03L had the highest yield but it was not significantly different from 15 other runner-types. GA 032905, GA 032913, and GA 032902 had the highest TSMK grade at 74%, 73%, and 73%, respectively.

GA 012535 had the highest yield among the virginia-types, but it was only significantly different from Georgia-05E. Both GA 012535 and Georgia-05E had the highest ELK percentage at 46% among the virginia-types, and C-99R also had the highest jumbo runner percentage at 46%.

Coastal Plain Experiment Station – Early Planted Ru/Va Disease Rating

These tests were purposely planted early in mid-April to evaluate the same set of breeding lines and varieties for TSWV and total disease (TD) ratings in the Max. Irrigated Test and Min. Nonirrigated Test. On the average, the Max. Irrigated Test had more TD at the end of the growing season as compared to the Min. Nonirrigated Test.

Georgia-06G and Georgia-03L had the lowest TSWV disease percentage in the Max. Test. However, each was not significantly different from 12 other breeding lines and varieties. Georgia-07W and Georgia-06G had the lowest TSWV disease percentage in the Min. Test. However, each was also not significantly different from 10 others in the Min. Test. Georgia-07W had the lowest percentage of TD in both tests, but it was not significantly different from nine other breeding lines and varieties in the Max. Test and 11 others in the Min. Test.

Acknowledgements

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2007 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Coastal Plain Experiment Station
-Early Planted Sp/Val Maximum Irrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Spanish Types</u>							
GA 042634-6 ¹	8/23	4655 a*	77.8	2.2	0.0	7.1	1017
GA 042634-11 ¹	8/23	4512 a	80.1	1.8	0.0	8.4	999
GA 042635-4 ¹	8/23	4192 b	78.9	0.7	0.0	19.1	909
Georgia Browne	8/17	3521 c	74.5	2.2	0.0	8.2	969
Georgia-04S	8/17	3393 c	73.0	3.0	0.0	11.5	1055
Tamspan 90	8/01	2624 d	64.9	7.3	0.0	3.9	1106
GA 051901 ¹	8/17	2002 e	55.5	23.2	0.0	0.0	1890
OLin	8/01	2000 e	63.0	8.0	0.0	5.5	1181
Pronto	7/24	1856 e	62.7	9.4	0.0	1.8	1112
Spanco	7/24	1483 f	58.4	10.7	0.0	1.5	1148
<u>Valencia Types</u>							
Georgia Valencia	8/01	1990 e	60.4	4.3	0.2	10.0	862
Georgia Red	8/01	1395 f	60.1	8.1	0.1	5.1	1004
N.M. Valencia C	7/20	938 g	49.1	15.9	0.1	0.2	1216
N.M. Valencia A	7/20	936 g	56.1	10.4	0.1	0.4	1226
H & W Valencia 136	7/20	871 g	49.9	14.7	0.0	0.5	1187
Valencia McRan	7/20	823 g	53.1	12.4	0.0	0.7	1187

* Yields within the column followed by the same letter are not significantly different at P≤0.05.

¹ Advanced Georgia breeding line.

Planting Date: April 9, 2007.
 Seeding Rate: Six seed/foot in two-row plots.
 Soil Type (Previous Crop): Tifton loamy sand (corn).
 Management: Herbicide = Sonalan + Dual @ ppi.
 Insecticide = Temik @ planting; Lannate (1-spray); and Lorsban.
 Fungicide = Headline (2-sprays); Provost (2-sprays); and Abound (1-spray).

Digging Date:	July 20	Aug. 1	Aug. 17	Aug. 23
Rainfall (in.):	8.22	9.24	9.85	10.00
Irrigation (in.):	7.35	8.85	10.50	11.50
Total (in.):	15.57	18.09	20.35	21.50

2007 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Coastal Plain Experiment Station
-Early Planted Ru/Va Maximum Irrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner-Types</u>							
GA 032902 ¹	8/29	6718 a*	79.5	0.9	0.2	55.9	667
Georgia-06G	8/29	6179 ab	77.9	1.5	0.1	56.3	603
Georgia-07W	8/29	6040 bc	78.1	1.3	0.1	44.9	639
GA 032803 ¹	8/29	5973 bc	80.1	1.0	0.1	59.1	643
GA 032913 ¹	8/29	5968 bc	79.1	1.1	0.0	53.8	663
Georgia Greener	8/29	5921 bc	79.1	1.4	0.1	48.0	655
GA 032905 ¹	8/29	5783 bc	78.5	1.5	0.2	48.3	690
Florida-07	8/29	5679 bcd	74.2	1.4	0.1	46.6	566
Georgia-03L	8/29	5505 b-e	73.3	0.9	0.1	47.8	616
York	9/19	5478 cde	72.4	2.4	0.1	29.8	771
Tifguard	8/29	5049 def	75.7	2.5	0.3	51.7	591
Georgia-01R	9/19	5029 def	78.1	0.7	0.3	68.1	596
Georgia-02C	8/29	4938 efg	79.4	1.1	0.1	52.8	728
Georgia Green	8/29	4724 fgh	77.7	1.7	0.1	31.5	736
Tifrunner	9/19	4638 f-i	74.6	1.4	0.5	54.6	718
AP-4	8/29	4634 f-i	76.2	2.2	0.1	44.1	626
AP-3	8/29	4629 f-i	72.7	1.6	0.1	47.9	697
AT-3085RO	8/29	4615 f-i	73.2	1.7	0.1	47.1	615
Carver	8/29	4547 f-j	76.1	1.6	0.1	35.8	624
AT-3081R	8/29	4394 f-j	72.5	1.6	0.3	40.5	634
McCloud	8/29	4309 g-j	75.8	2.2	0.0	45.8	584
C-99R	9/19	4105 h-k	74.9	1.5	1.6	49.8	628
Tamrun OL07	8/29	4055 h-k	77.4	0.9	0.2	43.5	622
Andru II	8/17	3980 ijk	72.0	2.0	0.0	23.8	807
<u>Virginia Types</u>							
GA 012535 ¹	8/29	5685 bcd	77.0	0.4	0.3	63.6	411
Georgia-05E	8/29	4557 f-j	79.2	0.5	0.1	63.1	527
CHAMPS	8/17	4089 h-k	70.6	1.4	0.3	35.4	511
Gregory	8/17	4043 ijk	69.6	1.3	0.1	34.1	534
Georgia Hi-O/L	8/17	3933 jkl	77.9	0.7	0.0	50.3	561
NC-V 11	8/17	3579 kl	68.0	0.9	0.3	48.0	454
Perry	8/17	3287 l	70.9	1.0	0.2	37.7	530

* Yields within the column followed by the same letter are not significantly different at P≤0.05.

¹ Advanced Georgia breeding line.

Planting Date:	April 13, 2007.		
Seeding Rate:	Six seed/foot in two-row plots.		
Soil Type (Previous Crop):	Tifton loamy sand (corn).		
Management::	Herbicide = Sonalan + Dual @ ppi. Insecticide = Temik @ planting; Lannate (1-spray); Karate (1-spray); and Lorsban. Fungicide = Headline (2-sprays); Provost (4-sprays); and Abound (1-spray).		
Digging Date:	Aug. 17	Aug. 29	Sept. 19
Rainfall (in.):	9.27	9.50	14.56
Irrigation (in.):	11.00	12.00	12.00
Total (in.):	20.27	21.50	26.56

2007 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Coastal Plain Experiment Station
-Early Planted Ru/Va Minimum Nonirrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
Runner-Types							
Georgia-07W	8/29	3809 a*	77.5	0.6	1.1	50.9	679
GA 032902 ¹	8/29	3665 ab	76.8	1.1	1.7	45.8	656
Georgia Greener	8/29	3635 abc	76.8	0.9	1.4	45.1	639
York	9/19	3602 abc	67.3	5.3	1.4	32.7	729
GA 032803 ¹	8/29	3568 abc	79.5	0.8	0.7	55.3	661
Georgia-03L	8/29	3566 abc	71.3	0.7	1.3	39.3	610
Florida-07	8/29	3523 abc	70.5	1.2	2.9	46.9	542
GA 032913 ¹	8/29	3497 abc	76.5	0.7	2.5	50.6	639
Georgia-06G	8/29	3480 a-d	76.7	1.0	1.4	53.8	627
Georgia-02C	8/29	3403 a-f	79.5	0.5	0.3	50.9	671
Georgia-01R	9/19	3350 a-f	72.9	3.1	1.9	60.1	588
C-99R	9/19	3344 a-f	70.1	4.1	1.4	51.2	580
AP-4	8/29	3334 a-f	75.6	1.7	0.2	41.6	615
Tifrunner	9/19	3327 a-f	68.4	2.7	5.0	55.1	626
Carver	8/29	3320 a-f	72.7	1.5	2.8	28.6	634
Georgia Green	8/29	3318 a-f	76.2	1.7	1.2	29.6	753
Tifguard	8/29	3194 a-f	75.4	0.9	1.9	58.1	568
McCloud	8/29	3127 a-f	73.4	2.1	1.0	40.6	580
AP-3	8/29	3125 a-f	71.0	0.8	3.5	56.9	616
GA 032905 ¹	8/29	3083 a-f	75.1	0.9	3.8	43.7	642
AT-3085RO	8/29	2885 b-f	67.6	2.4	4.7	59.0	644
Andru II	8/17	2778 c-f	70.6	2.7	0.1	25.9	741
Tamrun OL07	8/29	2606 ef	73.4	1.2	2.6	36.4	627
AT-3081R	8/29	2568 f	69.6	2.2	1.3	33.2	665
Virginia Types							
GA 012535 ¹	8/29	3792 a	74.3	0.3	1.1	58.2	421
Georgia-05E	8/29	3525 abc	77.8	0.4	2.3	53.2	588
CHAMPS	8/17	3438 a-e	69.3	1.0	0.8	37.2	472
NC-V 11	8/17	3170 a-f	64.3	0.8	0.8	45.3	459
Gregory	8/17	3040 a-f	68.1	1.3	0.7	35.8	546
Georgia Hi-O/L	8/17	2791 c-f	75.3	1.6	0.4	48.0	548
Perry	8/17	2630 def	69.3	1.1	0.7	35.2	517

* Yields within the column followed by the same letter are not significantly different at P≤0.05.

¹ Advanced Georgia breeding line.

Planting Date: April 17, 2007.
Seeding Rate: Six seed/foot in two-row plots.
Soil Type (Previous Crop): Tifton loamy sand (corn).
Management: Herbicide = Sonalan + Dual @ ppi.
Insecticide = None.
Fungicide = Headline (1-spray); Provost (1-spray); and Abound (1-spray).

Digging Date:	Aug. 17	Aug. 29	Sept. 19
Rainfall (in.):	9.27	9.50	14.56
Irrigation (in.):	None	None	None

2007 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Southwest Georgia Research and Education Center
-Early Planted Ru/Va Maximum Irrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
<u>Runner-Types</u>							
York	9/18	3755 a*	70.9	1.4	1.7	35.8	715
Georgia-02C	9/04	3671 ab	74.6	1.8	1.1	44.1	692
Carver	9/04	3666 abc	69.2	3.1	2.9	24.8	651
Georgia-06G	9/04	3657 a-d	73.9	1.8	1.5	46.3	669
GA 032913 ¹	9/04	3656 a-d	75.6	1.6	1.1	42.8	626
GA 032905 ¹	9/04	3623 a-e	75.8	1.6	1.2	38.4	673
GA 032803 ¹	9/04	3584 a-f	72.2	1.8	2.7	38.8	646
Florida-07	9/04	3580 a-f	70.6	1.7	1.0	38.2	566
Georgia-07W	9/04	3574 a-f	73.8	1.5	1.7	36.2	620
AT-3085RO	9/04	3573 a-f	70.7	1.4	1.9	43.8	579
Tifrunner	9/18	3557 a-f	68.6	0.7	5.6	51.7	652
Georgia Greener	9/04	3513 a-f	72.8	2.4	1.3	35.1	648
Georgia-01R	9/18	3493 a-f	72.7	1.0	2.2	49.1	619
GA 032902	9/04	3484 a-f	76.1	1.4	0.9	49.1	612
Tifguard	9/04	3441 a-f	73.5	2.4	1.2	48.8	579
AP-4	9/04	3428 a-f	71.9	2.5	1.4	36.5	623
Georgia-03L	9/04	3380 a-g	70.0	1.7	0.9	36.5	617
AT-3081R	9/04	3266 b-h	70.1	1.7	1.9	40.8	591
AP-3	9/04	3234 c-h	69.5	1.7	1.5	39.9	644
Georgia Green	9/04	3225 d-h	71.5	2.7	2.1	30.4	720
McCloud	9/04	3203 e-h	67.9	2.8	3.3	31.3	567
Tamrun OL07	9/04	3163 fgh	73.8	1.5	1.1	41.9	605
C-99R	9/18	2859 hij	71.9	2.1	2.4	46.3	616
Andru II	8/21	2323 k	66.3	2.8	4.9	20.7	736
<u>Virginia Types</u>							
GA 012535 ¹	9/04	3715 a	66.0	1.2	7.6	40.5	447
Georgia-05E	9/04	3482 a-f	73.1	1.0	2.9	47.5	524
NC-V 11	8/21	2571 ijk	46.0	1.5	18.3	29.7	458
CHAMPS	8/21	2517 jk	58.6	1.6	10.8	33.2	447
Perry	8/21	2381 k	61.5	1.3	10.2	35.7	507
Georgia Hi-O/L	8/21	2301 k	54.9	0.7	21.2	34.6	493
Gregory	8/21	2240 k	52.7	2.4	15.1	25.9	583

* Yields within the column followed by the same letter are not significantly different at P≤0.05.

¹ Advanced Georgia breeding line.

Planting Date:	April 20, 2007.		
Seeding Rate:	Six seed/foot in two-row plots.		
Soil Type (Previous Crop):	Greenville sandy clay loam (corn).		
Management:	Herbicide = Sonalan + Dual + Strongarm @ ppi. Insecticide = Temik @ planting; Karate (1-spray); Lannate (1-spray); Danitol (2-sprays); and Lorsban. Fungicide = Headline (2-sprays); Provost (3-sprays); and Abound (1-spray).		
Digging Date:	Aug. 21	Sept. 4	Sept. 18
Rainfall (in.):	10.32	14.03	14.36
Irrigation (in.):	6.80	6.80	6.80
Total (in.):	17.12	20.83	21.16

2007 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Southwest Georgia Research and Education Center
-Early Planted Ru/Va Minimum Nonirrigated Test-

Breeding Line and Variety	Digging Date	Yield (lb/a)	TSMK (%)	OK (%)	DK (%)	ELK (%)	Seed (no./lb)
Runner-Types							
Georgia-03L	9/11	3200 a*	68.6	2.7	1.1	41.5	592
Georgia-07W	9/11	3136 ab	69.0	3.7	2.8	23.5	595
York	9/25	3133 ab	66.3	4.2	2.3	25.4	741
Florida-07	9/11	3082 abc	65.5	3.0	3.3	39.4	535
AT-3085RO	9/11	3069 abc	67.5	3.9	1.2	45.9	541
Georgia-01R	9/25	3060 abc	66.3	4.1	2.8	31.9	675
Georgia-06G	9/11	3056 abc	70.9	3.2	1.7	38.1	576
AP-4	9/11	3046 abc	69.1	4.3	0.7	31.4	598
Tifguard	9/11	3040 abc	66.8	5.1	2.1	24.7	616
Georgia Greener	9/11	3036 abc	70.4	3.4	0.8	31.3	630
Georgia-02C	9/11	3003 a-d	66.5	6.0	0.9	19.8	708
McCloud	9/11	3000 a-e	68.4	3.3	2.6	41.1	533
GA 032913 ¹	9/11	2998 a-e	72.8	2.6	1.5	26.3	648
GA 032902 ¹	9/11	2863 a-f	72.7	2.8	1.8	35.3	644
AT-3081R	9/11	2856 a-f	59.9	7.1	1.7	34.9	567
AP-3	9/11	2833 a-f	63.3	4.2	2.4	42.9	636
Carver	9/11	2817 b-g	71.1	2.9	0.8	35.3	589
C-99R	9/25	2816 b-g	69.5	2.2	3.8	46.1	589
Tifrunner	9/25	2755 c-h	56.6	4.5	10.0	33.9	679
GA 032803 ¹	9/11	2745 c-h	71.4	3.3	2.3	39.4	644
GA 032905 ¹	9/11	2739 c-h	74.5	2.2	1.2	35.1	647
Tamrun OL07	9/11	2716 c-h	68.3	4.6	1.5	39.0	567
Georgia Green	9/11	2460 g-k	72.0	2.4	2.0	36.8	673
Andru II	9/04	2279 j-m	68.4	3.8	1.2	25.4	687
Virginia Types							
GA 012535 ¹	9/11	2932 a-f	66.9	2.0	5.0	46.3	421
Georgia-05E	9/11	2592 f-k	68.6	3.3	2.6	46.0	512
CHAMPS	9/04	2388 h-l	61.8	2.2	6.4	39.0	405
NC-V 11	9/04	2338 i-m	57.5	1.5	10.1	36.7	404
Gregory	9/04	2235 klm	62.1	2.5	5.6	34.6	470
Georgia Hi-O/L	9/04	2052 lm	65.6	1.3	8.5	40.1	493
Perry	9/04	2016 m	57.4	1.6	12.3	33.4	450

* Yields within the column followed by the same letter are not significantly different at $P \leq 0.05$.

¹ Advanced Georgia breeding line.

Planting Date:	April 20, 2007.		
Seeding Rate:	Six seed/foot in two-row plots.		
Soil Type (Previous Crop):	Greenville sandy clay loam (corn).		
Management::	Herbicide = Sonalan + Dual + Strongarm @ ppi. Insecticide = None Fungicide = Headline (1-spray); Provost (1-spray); and Abound (1-spray).		
Digging Date:	Sept. 4	Sept. 11	Sept. 25
Rainfall (in.):	14.03	14.03	16.29
Irrigation (in.):	None	None	None

2007 GEORGIA PEANUT BREEDING LINE AND VARIETY TRIAL
Coastal Plain Experiment Station
-Early Planted Ru/Va Disease Rating-

Breeding Line and Variety	Max. Irrigated Test		Min. Nonirrigated Test	
	TSWV ¹ (%)	TD ² (%)	TSWV ¹ (%)	TD ² (%)
Perry	30.5 abc	69.5 a	26.0 bcd	61.5 a
Tamrun OL07	33.0 a	67.5 ab	26.5 bcd	56.0 a
NC-V 11	36.5 a	67.0 ab	34.5 a	59.5 a
Gregory	33.5 a	59.0 bc	31.5 ab	53.0 ab
Andru II	24.5 cde	54.0 cd	21.0 c-i	42.0 cd
CHAMPS	25.5 cde	54.0 cd	21.5 c-h	45.0 bc
AT-3081R	26.5 cd	52.0 cde	18.5 e-j	38.0 cde
McCloud	22.0 def	51.0 cde	24.0 c-f	37.5 c-f
AP-4	27.0 bcd	48.5 def	24.5 cde	41.0 cd
Carver	24.0 de	47.5 d-g	20.5 d-i	36.0 d-h
C-99R	22.5 def	46.5 d-h	21.0 c-i	39.0 cd
Georgia Hi-O/L	22.0 def	46.5 d-h	23.0 c-g	39.5 cd
Georgia-05E	13.0 ij	45.0 d-h	12.5 j-m	23.0 ij
Georgia-01R	14.0 hij	42.0 e-i	15.0 i-m	26.5 ij
GA 032905 ³	13.5 ij	40.5 f-i	12.5 j-m	29.0 f-i
GA 032803 ³	13.5 ij	40.5 f-i	18.5 e-j	38.5 cde
GA 032913 ³	13.0 ij	38.5 f-j	15.0 i-m	29.0 f-i
Tifrunner	16.5 f-i	38.5 f-j	15.0 i-m	26.5 ij
Georgia Green	13.0 ij	37.5 g-j	17.0 g-l	36.5 c-g
Florida-07	21.0 d-g	37.0 hij	18.0 f-k	27.5 hij
AP-3	15.5 ghi	33.0 ijk	17.0 g-l	28.5 ghi
York	13.0 ij	32.5 i-l	16.5 h-l	24.0 ij
Georgia Greener	11.0 ij	29.0 jkl	10.0 m	25.5 ij
AT-3085RO	13.0 ij	29.0 jkl	18.5 e-j	30.0 e-i
Tifguard	15.5 ghi	28.5 jkl	15.0 i-m	26.0 ij
GA 012535 ³	11.5 ij	28.5 jkl	18.5 e-j	37.5 c-f
Georgia-02C	11.5 ij	26.5 kl	12.0 klm	26.5 ij
Georgia-03L	9.0 j	26.0 kl	12.5 j-m	26.5 ij
GA 032902 ³	15.5 ghi	26.0 kl	11.5 lm	27.0 ij
Georgia-06G	8.5 j	25.5 kl	10.0 m	26.5 ij
Georgia-07W	10.5 ij	22.5 l	9.5 m	19.0 j
Mean	19.0	41.6	18.8	35.0

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, primarily white mold.

³ Advanced Georgia Breeding Line.