

The 2011 Alabama Performance Comparison of Peanut Varieties

February 2012

Agronomy and Soils Departmental Series No. 321

Alabama Agricultural Experiment Station

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* In 2009, the irrigated test data was deemed unreliable due to stand loss from heavy rains and inadequate drainage after planting.

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The 2011 Alabama Performance Comparison of Peanut Varieties

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Introduction

The number of peanut varieties available to Alabama growers has increased in recent years, thus placing greater need for unbiased performance data regarding varietal selection for production.

Production and Discussion

The 2011 tests were conducted at the Wiregrass Research and Extension Center in Headland, AL. In the 2011 trial, 12 entries were evaluated under irrigation and dryland conditions.

The experimental design for each test was a randomized complete block consisting of two-row plots, 20 feet long, replicated four times. The irrigated tests was planted on May 11 and dryland was planted May 16. Both tests were planted with a cone planter at a rate of six seed per foot of row. Recommended agronomic practices were followed regarding fertility, disease, insect, and weed control in all tests.

The irrigated test entries considered to be earlier than Georgia Green in maturity were dug on September 12. This entry was AT 215. Entries with maturity near the same as Georgia Green were dug on September 19. These entries were AP-4, FloRun 107, Georgia-06G, Georgia-07W, Georgia-08V, Georgia-09B, Georgia Greener, and Tifguard. Entries moderately later than Georgia Green, Florida 07 and Georgia-02C were dug on September 29. Entries later than Georgia Green were dug October 13. This entry was Georgia-10T.

The dryland test entries considered to be earlier than Georgia Green were dug on September 20. This entry was AT 215. Entries with maturity near the same as Georgia Green were dug on September 29. These entries were AP-4, FloRun 107, Georgia-06G, Georgia-07W, Georgia-08V, Georgia-09B, Georgia Greener, and Tifguard. Entries moderately later than Georgia Green, Florida 07 and Georgia-02C were dug on October 13. Entries later than Georgia Green were dug October 24. This entry was Georgia-10T.

The information presented here represents data from three years at one location. Yield and disease occurrence data have been subjected to an analysis of variance. This statistical evaluation determined the overall averages for all varieties, coefficient of variation (CV) and the least significant differences (LSD). The LSD values represent the difference required for the averages of two varieties to be considered statistically different. The (0.05) following the LSD value indicates that the LSD was calculated at the 95 percent level of confidence.

The CV, which is expressed as a percentage, is a relative measure of variation within a set of data. CV values of 8-12 percent are generally considered acceptable for yield data of agronomic crops. CV values in the disease data are considerably higher than this. However, this is expected due to random occurrence of disease in the field.

¹ Bostick is an adjunct professor of the Auburn University Department of Agronomy and Soils and Executive Vice President of Alabama Crop Improvement Association; Wells is Director and Gamble is Associate Director of the Wiregrass Research and Extension Center.

Size and Grade Data Terms

Data was collected and averaged on samples from replicates II, III, and IV for size and grade. The samples were graded following Federal-State Inspection Service procedures for grading farmer-stock peanuts.

Terms Used

SMKRS count/lb. (number per pound of sound mature kernels riding screen)—Number of sound whole mature kernels from 1 pound of the shelled sample riding a 15/64 x 1-inch slotted screen or a 16/64 x 3/4-inch slotted screen for Virginia or Runner varieties, respectively.

Pct. SMKRS (sound mature kernels riding screen)—Portion of shelled sample as described above.

Pct. SS (sound splits)—Portion of shelled sample split or broken but not damaged.

Pct. TSMK (total sound mature kernels)—Portion of the shelled sample comprised of sound mature kernels plus sound splits.

Pct. OK (other kernels)—Kernels that pass through a 15/64 x 1-inch slotted screen or 16/64 x 3/4-inch slotted screen for Virginia or Runner varieties, respectively.

Pct. DK (damaged kernels)—Kernels that are moldy, decayed, affected by insects or weather conditions resulting in seed coat or cotyledon discoloration or deterioration.

Pct. TK (total kernels)—All shelled sample kernels including TSMK, OK, and DK.

Pct. Hulls —All hulls from the shelled sample.

+21.0 (Generally considered as the Jumbo commercial grade)—Portion of SMKRS riding a 21/64 x 3/4-inch slotted screen.

-21.0 + 18.0 (Generally considered as the Medium commercial grade)—Portion of the SMKRS falling through a 21/64 x 3/4-inch slotted screen and riding a 18/64 x 3/4-inch slotted screen.

-18.0 + 16.0 (Generally considered as the No.1 commercial grade)—Portion of the SMKRS falling through a 18/64 x 3/4-inch slotted screen and riding a 16/64 x 3/4-inch slotted screen.

Acknowledgements

The authors express appreciation to Austin K. Hagan, Professor of Plant Pathology, for providing the disease evaluation data and to Glenn Wehtje, Professor of Agronomy and Soils, for the statistical analysis.

Table 1. Three-Year Average Yield of Irrigated Peanut Varieties at the Wiregrass Research and Extension Center, Headland, Alabama 2008, 2010 & 2011

Variety or Line	2011 <i>lb/a</i>	2 Year Avg.	3 Year Avg.
Georgia Greener	6534	6180	5887
Georgia-06G	6452	6121	5984
Georgia-07W	6235	6130	6038
Georgia-08V	6171	5817	---- ²
Georgia-10T	6017	----	----
Tifguard	6008	5735	5536
Florida 07	5990	5980	5853
Georgia-09B	5826	5726	----
FloRun 107	5808	----	----
AT 215	5699	5472	5188
AP-4	5137	5055	5052
Georgia-02C	4991	4919	5300
Overall Average.....	5906	5714	5605
CV (%).....	10.5	10.0	11.6
LSD (0.05).....	896	569	728

² Not tested

Table 2. Average Size and Grade of Irrigated Peanut Varieties at the Wiregrass Research and Extension Center, Headland, Alabama 2011

Variety or Line	SMKRS <i>count/lb</i>	SMKRS <i>pct</i>	SS <i>pct</i>	TSMK <i>pct</i>	OK <i>pct</i>	DK <i>pct</i>	TK <i>pct</i>	Hulls <i>pct</i>
AP-4	623	71	3	74	3	1	78	22
AT 215	586	74	1	75	2	1	78	22
FloRun 107.....	692	68	4	72	5	0	77	23
Florida 07	579	68	3	71	2	1	74	26
Georgia-02C	739	70	4	74	3	1	78	22
Georgia-06G	580	73	2	75	3	1	79	21
Georgia-07W	636	71	4	75	2	1	78	22
Georgia-08V	400	72	2	74	1	2	77	23
Georgia-09B	658	73	3	76	2	1	79	21
Georgia-10T	638	73	6	79	1	0	80	20
Georgia Greener	678	72	3	75	3	1	79	21
Tifguard.....	603	72	1	73	3	0	76	24

Table 3. Two-Year Average Size and Grade of Irrigated Peanut Varieties at the Wiregrass Research and Extension Center, Headland, Alabama 2010 - 2011

Variety or Line	SMKRS <i>count/lb</i>	SMKRS <i>pct</i>	SS <i>pct</i>	TSMK <i>pct</i>	OK <i>pct</i>	DK <i>pct</i>	TK <i>pct</i>	Hulls <i>pct</i>
AP 4	656	68	4	72	4	1	77	23
AT 215	750	69	2	71	3	2	76	24
Florida 07	619	64	5	69	2	2	73	27
Georgia-02C	833	68	4	72	4	1	77	23
Georgia-06G	629	72	2	74	2	1	77	23
Georgia-07W	734	70	3	73	3	1	77	23
Georgia-08V.....	458	69	3	72	2	2	76	24
Georgia-09B	708	72	3	75	2	1	78	22
Georgia Greener	694	71	3	74	3	1	78	22
Tifguard	646	69	2	71	4	0	75	25

Table 4. Three-Year Average Size and Grade of Irrigated Peanut Varieties at the Wiregrass Research and Extension Center, Headland, Alabama 2008, 2010 & 2011

Variety or Line	SMKRS <i>count/lb</i>	SMKRS <i>pct</i>	SS <i>pct</i>	TSMK <i>pct</i>	OK <i>pct</i>	DK <i>pct</i>	TK <i>pct</i>	Hulls <i>pct</i>
AP 4	639	69	3	72	4	1	77	23
AT 215	684	70	2	72	3	1	76	24
Florida 07	599	66	4	70	2	1	73	27
Georgia-02C	792	70	4	74	3	1	78	22
Georgia-06G	616	72	2	74	2	1	77	23
Georgia-07W	693	70	3	73	2	1	77	23
Georgia Greener	685	71	3	74	3	1	78	22
Tifguard	629	70	2	72	4	0	76	24

Table 5. Average Shelled Seed Size Distribution of Irrigated Peanut Varieties at the Wiregrass Research and Extension Center, Headland, Alabama 2008, 2010, & 2011

Variety or Line	SMKRS Size Distribution								
	+21.0 Jumbo <i>pct</i>			-21.0 +18.0 Medium <i>pct</i>			-18.0 +16.0 No. 1 <i>pct</i>		
	2011	2010	2008	2011	2010	2008	2011	2010	2008
AP-4	46.3	49.4	54.3	46.6	43.7	40.6	7.1	6.9	5.1
AT 215	46.4	46.0	50.7	48.3	46.0	44.3	5.3	8.0	5.0
Flo-Run107	33.1	---- ³	----	59.1	----	----	7.6	----	----
Florida 07	55.2	63.3	49.9	40.2	32.1	44.5	4.5	4.6	5.6
Georgia-02C	52.0	48.1	60.5	41.7	42.7	35.4	6.3	9.2	4.1
Georgia-06G	57.1	59.3	62.3	38.3	35.2	33.2	4.5	5.5	4.5
Georgia-07W	38.3	46.7	52.9	56.6	46.3	42.1	5.1	7.0	5.0
Georgia-08V	82.5	75.5	----	12.6	21.2	----	4.9	3.4	----
Georgia-09B	57.8	56.1	----	38.8	38.8	----	3.4	5.1	----
Georgia-010T	59.8	----	----	37.6	----	----	3.3	----	----
Georgia Greener	43.4	49.8	51.3	52.2	43.0	44.9	4.4	7.2	3.8
Tifguard	59.3	63.2	58.6	36.3	29.7	37.1	4.5	7.1	4.3

³ Not tested

Table 6. Occurrence of Tomato Spotted Wilt Virus (TSWV) Hits and White Mold (WM) Hits in the Irrigated Peanut Variety Test at the Wiregrass Research and Extension Center, Headland, Alabama 2011

Variety or Line	Avg. TSWV Hits/Plots ⁴	Variety or Line	Avg. WM Hits/Plots
Georgia 02C	12.25	AP-4	5.25
Georgia 08V	10.25	AT 215	2.75
FloRun 107	7.75	Georgia 09B	2.25
Georgia 07W	7.50	Georgia Greener	1.75
AT 215	7.25	FloRun 107	1.50
AP-4	6.25	Georgia 07W	1.25
Georgia Greener	6.00	Georgia 06G	1.00
Florida 07	3.75	Georgia 08V	0.75
Georgia 06G	3.00	Tifguard	0.50
Georgia 09B	2.75	Georgia 02C	0.50
Tifguard	1.75	Georgia 10T	0.25
Georgia 10T	1.50	Florida 07	0.00
Overall Average	5.83		1.48
CV (%)	71.92		80.84
LSD (0.05)	6.04		1.72

⁴ Hits equal length of row up to one linear foot with severely diseased plants.

Table 7. Three-Year Yield of Dryland Peanut Varieties at the Wiregrass Research and Extension Center, Headland, Alabama 2009, 2010 & 2011

Variety or Line	2011 Avg. Yield lb/a	2 Year Avg. Yield lb/a	3 Year Avg. Yield lb/a
Georgia-06G	4338	3530	4190
Georgia-09B	4283	3489	---- ⁵
Georgia-07W	4211	3444	4399
Tifguard	4138	3299	3836
Georgia Greener	4138	3585	4250
Georgia-08V	4066	3113	3796
AT 215	3920	3276	3848
FloRun107	3721	----	----
Florida 07	3703	3013	3815
AP-4	3666	3063	3719
Georgia-10T	3557	----	----
Georgia-02C	3013	2251	3181
Overall Average	3896	3206	3893
CV (%)	7.9	27.1	33.8
LSD (0.05).....	443	867	1066

⁵ Not tested

Table 8. Average Size and Grade of Dryland Peanut Varieties at the Wiregrass Research and Extension Center, Headland, Alabama 2011

Variety or Line	SMKRS <i>count/lb</i>	SMKRS <i>pct</i>	SS <i>pct</i>	TSMK <i>pct</i>	OK <i>pct</i>	DK <i>pct</i>	TK <i>pct</i>	Hulls <i>pct</i>
AP-4.....	664	69	3	72	2	1	75	25
AT 215	650	71	1	72	2	1	75	25
FloRun 107.....	731	69	3	72	2	1	75	25
Florida 07.....	640	67	4	71	1	0	72	28
Georgia-02C	761	73	4	77	1	0	78	22
Georgia-06G	667	74	1	75	1	1	77	23
Georgia-07W	692	72	2	74	1	1	76	24
Georgia-08V	511	70	1	71	1	1	73	27
Georgia-09B	753	73	2	75	1	1	77	23
Georgia-10T.....	712	72	5	77	1	1	79	21
Georgia Greener	738	71	2	73	2	1	76	24
Tifguard	655	72	1	73	1	0	74	26

Table 9. Two-Year Average Size and Grade of Dryland Peanut Varieties at the Wiregrass Research and Extension Center, Headland, Alabama 2010-2011

Variety or Line	SMKRS <i>count/lb</i>	SMKRS <i>pct</i>	SS <i>pct</i>	TSMK <i>pct</i>	OK <i>pct</i>	DK <i>pct</i>	TK <i>pct</i>	Hulls <i>pct</i>
AP-4	676	67	4	71	3	1	75	25
AT 215	782	71	1	72	2	1	75	25
Florida 07	658	60	7	67	2	2	71	29
Georgia-02C	844	69	5	74	2	1	77	23
Georgia-06G	673	72	2	74	1	1	76	24
Georgia-07W	762	70	3	73	2	1	76	24
Georgia-08V	514	68	2	70	2	2	74	26
Georgia-09B.....	755	72	3	75	1	1	77	23
Georgia Greener.....	715	70	3	73	2	1	76	24
Tifguard	672	69	2	71	3	0	74	26

Table 10. Three-Year Average Size and Grade of Dryland Peanut Varieties at the Wiregrass Research and Extension Center, Headland, Alabama 2009 - 2011

Variety or Line	SMKRS <i>count/lb</i>	SMKRS <i>pct</i>	SS <i>pct</i>	TSMK <i>pct</i>	OK <i>pct</i>	DK <i>pct</i>	TK <i>pct</i>	Hulls <i>pct</i>
AP 4	652	69	4	73	3	1	77	23
AT 215	715	69	2	71	3	1	75	25
Florida 07	622	66	5	71	1	1	73	27
Georgia-02C	799	71	4	75	2	1	78	22
Georgia-06G	645	73	2	75	2	1	78	22
Georgia-07W	707	71	4	75	2	0	78	22
Georgia-08V	550	69	3	72	2	1	75	25
Georgia Greener	715	71	3	74	2	1	77	23
Tifguard	649	70	3	73	1	1	75	25

PLANTING RATE CHART⁶
36-inch rows

Seed per pound	Seed per foot	Lbs. per acre	Seed per foot	Lbs. per acre	Seed per foot	Lbs. per acre
600	5	121	6	145	7	178
625	5	116	6	140	7	171
650	5	112	6	134	7	164
675	5	108	6	129	7	158
700	5	104	6	124	7	152
725	5	100	6	120	7	147
750	5	97	6	116	7	142
775	5	94	6	112	7	138
800	5	91	6	109	7	133
825	5	88	6	106	7	129
850	5	85	6	102	7	125
875	5	83	6	100	7	122
900	5	81	6	97	7	118
925	5	78	6	94	7	115
950	5	76	6	92	7	112
975	5	74	6	89	7	109
1000	5	73	6	87	7	107
1025	5	71	6	85	7	104
1050	5	69	6	83	7	102
1075	5	68	6	81	7	99
1100	5	66	6	79	7	97

⁶Pounds of peanut seed at various seed count per pound required to plant 1 acre at five, six or seven seed per foot of row with single row width spacing. (For twin-rows at 36-inch centers, divide seed per foot for single row by two to determine seed per foot for each twin-row.)

To determine pounds per acre at 36-inch row spacing, use the following formula:

(A) $\frac{\text{Seed per foot} \times \text{linear feet in 1 acre}}{\text{Seed count per pound}} = \text{pounds per acre}$

(B) To determine linear feet in one acre at 36-inch row spacing:
 $\frac{43,560 \text{ square feet per acre}}{3 \text{ square feet}} = 14,520 \text{ linear feet in 1 acre}$

(C) Example:
 $\frac{6 \text{ seed per foot} \times 14,520 \text{ linear feet}}{800 \text{ seed per pound}} = 109 \text{ pounds per acre}$

Tests Duration Daily Rainfall Data Recorded at the Wiregrass Research
and Extension Center, Headland, Alabama 2011

DATE	APR <i>in</i>	MAY <i>in</i>	JUNE <i>in</i>	JULY <i>in</i>	AUG <i>in</i>	SEPT <i>In</i>	OCT <i>in</i>
1	0.06					0.99	
2					0.25		
3							
4		0.05		0.17			
5	0.98		0.07		0.20	0.31	
6				0.28		0.22	
7			0.08				
8					0.68		
9				0.36			
10				0.13	0.03		0.07
11			0.03	0.27			0.54
12	0.03						0.04
13				0.12			0.02
14		0.14		0.10			0.01
15		0.02		0.04			
16	0.42		0.10	2.92			
17			0.59	1.27			
18			0.09	0.04			
19							0.07
20							
21						0.07	
22					0.15	0.21	
23			0.42		0.28	0.04	
24			0.22				
25			0.21				
26	0.01						
27				1.53			
28	1.39			0.01			
29				0.34		0.30	
30							
31							
TOTALS ⁷	2.89	0.21	1.81	7.58	1.59	2.14	0.75

⁷Total daily rainfall from April through October, 2011 = 16.97 in; 2010 = 22.65 in; 2009 =49.16 in .

Tests Duration Daily Maximum Temperatures Recorded at the Wiregrass
Research and Extension Center, Headland, Alabama 2011

DATE	APR °F	MAY °F	JUNE °F	JULY °F	AUG °F	SEPT °F	OCT °F
1	65	85	96	97	89	96	88
2	69	86	101	99	89	93	75
3	78	87	99	95	90	92	74
4	81	91	102	94	91	89	78
5	85	73	98	94	98	76	83
6	63	76	98	93	93	87	84
7	72	79	101	94	96	71	85
8	80	85	93	98	93	72	85
9	89	87	95	96	94	77	84
10	89	91	95	96	94	85	72
11	88	94	97	96	94	88	68
12	88	94	98	85	95	89	70
13	78	93	100	94	94	90	72
14	81	88	101	97	96	88	83
15	81	78	100	95	94	92	81
16	84	71	98	86	90	93	85
17	77	72	98	76	91	87	87
18	75	73	82	87	95	84	87
19	84	79	96	92	95	81	74
20	87	88	99	92	97	88	65
21	88	93	97	92	98	85	64
22	90	92	101	94	96	91	67
23	89	96	98	94	95	80	70
24	89	96	90	94	95	87	74
25	89	94	92	94	95	88	78
26	89	96	92	94	95	93	81
27	87	94	95	88	98	93	82
28	90	95	94	89	97	89	82
29	80	95	96	92	97	75	83
30	81	97	91	93	97	86	66
31		96		89	97		66

Tests Duration Daily Minimum Temperatures Recorded at the Wiregrass
 Research and Extension Center, Headland, Alabama 2011

DATE	APR °F	MAY °F	JUNE °F	JULY °F	AUG °F	SEPT °F	OCT °F
1	4	56	72	71	71	73	51
2	44	63	72	72	67	69	46
3	50	63	74	70	70	67	48
4	54	50	73	71	71	70	49
5	45	48	71	72	71	72	51
6	41	51	72	71	77	61	54
7	43	53	72	72	76	54	55
8	47	49	71	74	75	55	61
9	66	60	69	71	75	58	65
10	62	67	73	74	71	59	62
11	64	68	69	73	71	60	64
12	62	66	70	74	73	63	62
13	49	66	72	74	74	66	61
14	50	63	74	76	74	65	56
15	53	50	73	74	72	66	53
16	5	52	66	72	65	58	54
17	45	49	65	71	66	59	57
18	48	48	58	71	69	65	57
19	50	51	69	71	72	61	50
20	59	58	75	71	73	62	41
21	66	62	73	73	74	68	41
22	64	65	71	74	74	69	39
23	64	67	73	73	72	68	39
24	64	64	72	73	72	66	44
25	65	67	67	73	72	63	50
26	67	68	69	74	73	67	49
27	68	71	73	71	75	68	41
28	63	66	71	73	67	65	47
29	51	67	70	72	67	65	50
30	54	73	71	69	68	63	38
31		70		67	70		48

DESCRIPTIONS OF 2010 PEANUT VARIETY TEST ENTRIES

1. AP-4

Developed by Drs. Dan Gorbet and Barry Tillman, University of Florida Agricultural Experiment Station. Released in 2007 under the 1994 Amendment of the Plant Variety Protection Act. The oleic/linoleic fatty acid ratio is normal. The maturity range is medium with pod and seed size larger than Florunner. AP-4 carries good tomato spotted wilt virus resistance and tolerance to white mold. Not as resistant to white mold as AP-3. AP-4 has shown good grade characteristics.

2. AT 215

Developed by Dr. Ernest Harvey, Golden Peanut Co., Ashburn, GA. Similar to GK 7 in growth habit with early maturity. Large pod and seed size with high oleic seed chemistry with moderate resistance to tomato spotted wilt virus.

3. FloRun 107

Developed by Dr. Barry Tillman, University of Florida Agricultural Experiment Station. Released in 2010 and protected under the 1994 Amendment of the Plant Variety Protection Act. Also carries a patent on the high-oleic trait prohibiting non-licensed parties from saving seed for replanting. It is a runner type variety with medium maturity and similar to Georgia Greener in seed size and produces a high percentage of medium size kernels. The variety has demonstrated good resistance to tomato spotted wilt virus and moderate resistance to white mold.

4. Florida 07

Developed by Drs. Dan Gorbet and Barry Tillman, University of Florida Agricultural Experiment Station. Released in 2006 under the 1994 amendment of the Plant Variety Protection Act. Also carries a patent on the high oleic trait prohibiting non-licensed parties from saving seed for replanting. Florida 07 is medium-late (140 – 145 days) in maturity, about 5 days later than Florunner with runner growth habit and pod and seed size larger than Florunner. Florida 07 carries resistance to tomato spotted wilt virus and white mold and tolerance to leafspot.

5. Georgia-02C

Developed by Dr. Bill Branch, University of Georgia Agricultural Experiment Station. Maturity range is 7 - 10 days later than Florunner with seed and pod size slightly larger than Florunner. Also carries a patent on the high oleic trait prohibiting non-licensed parties from saving seed for replanting. Has runner growth habit and vine growth more consistent with Florunner than Georgia Green. Resistant to tomato spotted wilt virus and cylindrocladium black rot.

6. Georgia-06G

Developed by Dr. Bill Branch, University of Georgia Agricultural Experiment Station. Released in 2006 under the 1994 Amendment of the Plant Variety Protection Act. Medium maturity, normal oleic/linoleic fatty acid ratio, with larger pod and seed size than Georgia Green and resistant to tomato spotted wilt virus.

7. Georgia-07W

Developed by Drs. Bill Branch and Tim Brenneman, University of Georgia Agricultural Experiment Station. Released in 2007 under the 1994 Amendment of the Plant Variety Protection Act. Medium maturity with resistance to white mold and tomato spotted wilt virus. It is a large-seeded runner with normal oleic/linoleic oil chemistry.

8. Georgia-08V

Developed by Dr. Bill Branch, University of Georgia Agricultural Experiment Station. Released in 2008 and protected under the 1994 Amendment of the Plant Variety Protection Act. Also carries a patent on the high-oleic trait prohibiting non-licensed parties from saving seed for replanting. It is a Virginia-type variety that has large seed and is resistant to tomato spotted wilt virus.

9. Georgia-09B

Developed by Dr. Bill Branch, University of Georgia Agricultural Experiment Station. Released in 2009 and protected under the 1994 Amendment of the Plant Variety Protection Act. Also carries a patent on the high-oleic trait prohibiting non-licensed parties from saving seed for replanting. It is a Runner type that has medium seed size, medium maturity and is resistant to tomato spotted wilt virus.

10. Georgia 10T

Developed by Dr. Bill Branch, University of Georgia Agricultural Experiment Station. Released on 2010 and protected under the 1994 Amendment of the Plant Variety Protection Act. The variety has large seed size and late maturity. It has demonstrated excellent grades and tomato spotted wilt virus resistance.

11. Georgia Greener

Developed by Dr. Bill Branch, University of Georgia Agricultural Experiment Station. Released in 2006 under the 1994 Amendment of the Plant Variety Protection Act. Medium maturity, normal oleic/linoleic fatty acid ratio, with larger pod and seed size than Georgia Green and resistant to tomato spotted wilt virus. Generally darker green foliage than Georgia Green.

12. Tifguard

Developed by Dr. Corley Holbrook, USDA- ARS, Tifton, Georgia and released in 2007. Has normal oil chemistry. Is mid-season in maturity and carries root-knot nematode and tomato spotted wilt virus resistance.

SOURCES OF SEED

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Georgia-02C
Georgia-06G
Georgia-07W
Georgia-08V
Georgia-09B
Georgia 10T
Georgia Greener

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Tifguard