

APPLICATION FOR APPROVAL OF X CULTIVARS ___ ASSOCIATE CULTIVARS
(Please check appropriate type of application)

Signed

1. Crop: **Peanut (Arachis hypogaea L.)**
2. Experimental no. or name: **GA 011514** Ga 07W
3. Pedigree and history: **GA 011514 was developed from a cross made in 1997 between C-99R X Georgia Green (♀ x ♂). Pedigree selection was practiced within the early segregating populations (F₂-F₅). Yield tests have been conducted for the past four years (2003-06).**
4. Description: **GA 011514 is being proposed for release as a new large-seeded runner-type peanut cultivar. It has a spreading runner growth habit, medium maturity, and high levels of resistance to tomato spotted wilt virus (TSWV) and the soilborne disease, white mold or stem rot.**
During the past two-years (2005-06) at multilocations in Georgia when planted early in mid-April to increase TSWV disease pressure (Tables 3 and 4), GA 011514 was found to be among the lowest in TSWV and TD incidence, highest in pod yield, TSMK grade, and dollar value return per acre compared to all of the other genotypes tested both years.
During this past year (2006) over multilocations in the Georgia Official Statewide Variety Tests when planted at the optimum time in mid-May (Table 5), GA 011514 was again found to be among the lowest in TSWV and TD incidence, highest is pod yield, TSMK grade, and dollar value return per acre compared to all of the other genotypes tested.
During 2005 when averaged across all U.S. test locations (Table 6), GA 011514 was likewise among the highest in pod yield compared to other advanced breeding lines and newly released cultivars. Thus, GA 011514 has very good yield stability and a wide range of adaptability.
5. Station(s) where developed: **Coastal Plain Experiment Station**
6. Participating scientist(s): **Wm. D. Branch**

Copy of the appropriate and adequate data comparing proposed release to standard cultivar must be attached to this form. *Waller-Duncan's T-test (k-ratio = 100) was used for mean separation in all Tables (1-15).

7. In what respect is the new cultivar superior to the cultivar now in use? Or reasons for proposing release as an associate cultivar:
 - A. **During the past four-years (2003-06) and three-years (2004-06) when averaged across multilocations in Georgia (Tables 1 and 2, respectively), GA 011514 was found to be the lowest in TSWV incidence and total disease (TD) incidence, highest in pod yield, TSMK grade, and dollar value return per acre compared to the current leading runner-type cultivars, Georgia Green and C-99R.**

- B.** Also during the past three-years (2004-06) when grown in field with very high disease pressure from white mold or stem rot caused by *Sclerotium rolfsii* Sacc, GA 011514 was found to have among the highest levels of resistance (Table 7) and among the highest pod yield when dug on time in 2004 and 2005 (Table 8).
- C.** GA 011514 is a larger runner-type than Georgia Green (Tables 9-13). It has a higher percentage of jumbo runner seed size during the shelling outturn and a lower percentage of the smaller seed size (medium and No. 1).
- D.** During the past two years (2005-06), GA 011514 has been found to be similar in blanchability, roasted flavor, and oil content and slightly higher in O/L ratio and iodine values compared to the U.S. peanut industry leading runner cultivar, Georgia Green. (Tables 14 and 15).

8. Method of propagation: **Seed**
9. Amount of breeder seed stocks available (if applicable): **50 lbs.**
10. Amount of foundation seed stocks available (if applicable): **1700 lbs.**
11. Amount of cutting or bud material available for vegetatively propagated material for nursery distribution (if applicable): **n/a**
12. Is there likely to be unusual difficulty encountered in the production of any class of seed stocks: **None**
13. Three suggested names for the cultivar: **'Georgia-07W' (Name preferred by the breeder)**
14. Name approved by plant cultivar and germplasm release committee:
15. Form of intellectual property protection: **U. S. Plant Variety Protection.**
16. Is a royalty assessment recommended: **Yes.**

RECOMMENDED BY:

A. Wm. D. Branch
Originating Scientist

B. [Signature]
Department Head

C. [Signature]
Chairperson, GAES Plant Cultivar and
Germplasm Release Committee

D. [Signature]
Assistant Dean
Appropriate Station

E. [Signature]
Associate Dean for Research

F. _____

APPROVED:

[Signature]
Dean and Director
College of Agricultural and Environmental Sciences

GA 011514

C-99R

X
(1997)

Georgia Green



Pedigree Selection
(F₂ – F₅)



Yield Tests
(F₆ – F₁₀)

2007 = F₁₁ Foundation Seed

Table 1. FOUR-YEAR (22 TESTS) AVERAGE DISEASE INCIDENCE, POD YIELD, TSMK GRADE, SEED COUNT, AND DOLLAR VALUES OF GA 011514 VS GEORGIA GREEN AT MULTILOCATIONS IN GEORGIA, 2003-06.

Peanut Genotype	TSWV[†] (%)	TD[‡] (%)	Yield (lb/a)	TSMK[¶] (%)	Seed (no./lb)	Value (\$/a)
GA 011514	15 b*	26 b	4371 a	74 a	665 b	784 a
Georgia Green	20 a	45 a	3431 b	72 b	826 a	610 b

* Means within the same columns followed by the same letter do not differ significantly at $P \leq 0.05$.

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

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

[¶] Percentage of total sound mature kernel (TSMK) grade equals all sound splits (SS) plus sound mature kernels (SMK) that ride a minimum slotted screen size of 16/64 x 3/4 inch for runner types.

Table 2. THREE-YEAR (14 TESTS) AVERAGE DISEASE INCIDENCE, POD YIELD, TSMK GRADE, SEED COUNT, AND DOLLAR VALUES OF GA 011514 VS. C-99R AND GEORGIA GREEN AT MULTILOCATIONS IN GEORGIA, 2004-06.

Peanut Genotype	TSWV[†] (%)	TD[‡] (%)	Yield (lb/a)	TSMK[¶] (%)	Seed (no./lb)	Value (\$/a)
GA 011514	12 c*	24 c	4524 a	74 a	677 b	818 a
C-99R	25 a	44 a	3817 b	73 b	674 b	676 b
Georgia Green	17 b	40 b	3761 b	73 ab	834 a	673 b

* Means within the same columns followed by the same letter do not differ significantly at $P \leq 0.05$.

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

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

[¶] Percentage of total sound mature kernel (TSMK) grade equals all sound splits (SS) plus sound mature kernels (SMK) that ride a minimum slotted screen size of 16/64 x 3/4 inch for runner types.

Table 3. FOUR-TEST AVERAGE PERFORMANCE WITH IRRIGATED MAXIMUM-INPUTS AND NON-IRRIGATED MINIMUM-INPUTS OF 18 RUNNER AND 8 VIRGINIA-TYPE PEANUT GENOTYPES AT MULTILOCATIONS IN GEORGIA WHEN PLANTED IN MID-APRIL, 2005.

Peanut Genotype	TSWV (%)	TD (%)	Yield (lb/a)	TSMK (%)	Seed (no./lb)	Value (\$/a)
Runner Types:						
Georgia-06G	20.1 i*	35.5 f-i	3778 a	71.0 b-e	657 h	652 a
GA 011523	22.4 ii	38.5 fa	3786 a	39.9 cde	684 gh	648 ab
GA 011514	21.4 ii	33.2 ghi	3748 ab	70.0 cde	660 h	646 ab
Georgia Greener	22.7 ii	37.0 fah	3697 abc	70.0 cde	742 def	638 ab
Georgia-02C	23.3 hij	33.4 ghi	3407 cde	74.2 ab	758 cd	608 bc
Georgia-01R	21.3 ii	34.0 ghi	3432 bcd	73.2 abc	680 gh	604 bc
Georgia-03L	21.0 i	32.1 hi	3452 a-d	67.4 efa	690 gh	571 b-e
C-99R	27.8 e-i	45.2 de	3178 def	71.7 bcd	659 h	550 c-f
Georgia Green	24.5 a-i	48.9 d	3186 def	70.4 cde	828 ab	549 c-f
Tifrunner	25.0 f-i	35.9 f-i	2985 f-i	70.6 b-e	758 cde	514 d-a
DP-1	23.4 hij	35.6 f-i	2864 f-i	69.6 cde	786 c	488 e-i
AP-3	22.2 ii	37.0 f-i	3068 e-h	63.6 hij	788 bc	485 f-i
Hull	29.6 d-h	46.3 de	2811 a-k	69.8 cde	702 fa	475 f-j
Carver	34.9 bcd	50.6 cd	2936 f-i	64.4 ghi	756 cde	473 f-j
AT 3081R	31.8 cde	48.8 d	2866 f-i	65.0 ghi	718 efa	464 a-k
Andru II	32.3 cde	49.8 cd	2682 i-l	62.7 hij	861 a	424 h-k
ANorden	30.6 d-a	55.3 c	2521 kl	65.6 fah	766 cd	408 ijk
Tamrun OL02	49.4 a	80.5 a	1938 m	62.4 hij	776 cd	308 l
Virginia Types:						
Georgia-05E	21.6 ii	30.8 i	3788 a	75.5 a	518 ik	693 a
GA 012535	22.9 hij	41.4 ef	3626 abc	68.6 def	461 l	591 bcd
GA 012534	26.4 e-i	45.4 de	3150 d-a	69.9 cde	586 i	547 c-f
Georgia Hi-O/L	31.4 def	47.9 d	2743 h-k	71.4 bcd	571 i	496 e-h
Gregory	39.0 b	62.4 b	2617 ikl	64.1 a-i	570 i	414 h-k
Wilson	38.4 bc	62.2 b	2710 ijk	60.6 i	556 ij	410 ijk
Perry	41.5 b	64.6 b	2352 l	65.0 f-i	562 i	396 ik
NC-V 11	39.4 b	61.8 b	2687 i-l	61.5 ij	478 kl	387 kl

*Within columns, means followed by the same letter are not significantly different at $P \leq 0.05$.

Table 4. FOUR-TEST AVERAGE PERFORMANCE WITH IRRIGATED MAXIMUM-INPUTS AND NONIRRIGATED MINIMUM-INPUTS OF 22 RUNNER AND 8 VIRGINIA-TYPE PEANUT GENOTYPES AT MULTILOCATIONS IN GEORGIA WHEN PLANTED IN MID-APRIL, 2006.

Peanut Genotype	TSWV (%)	TD (%)	Yield (lb/a)	TSMK (%)	Seed (no./lb)	Value (\$/a)
<u>Runner Types:</u>						
GA 011514	10.7 op*	28.0 n	4567 a	74.4 abc	629 hii	824 a
Georgia-06G	11.0 nop	28.2 n	4366 ab	73.5 a-e	624 iik	770 ab
Georgia Greener	13.8 k-p	30.6 k-n	4338 ab	73.4 a-e	661 e-i	766 ab
Georgia-01R	12.3 l-p	30.0 lmn	4120 abc	74.6 ab	629 hii	740 abc
Georgia-02C	11.8 m-p	29.3 mn	4044 bcd	74.1 a-d	746 bc	728 a-d
GA 032902	14.4 k-p	34.4 i-n	3981 b-e	74.2 abc	688 de	710 b-e
GA 032913	15.4 i-o	36.1 i-l	4073 a-d	73.2 b-e	672 efa	709 b-e
Georgia-03L	14.0 k-p	32.4 i-n	3965 b-f	70.6 f-i	634 a-i	681 b-f
GA 032625	8.5 p	19.6 o	3589 d-h	74.1 a-d	645 f-i	648 c-a
York	16.4 i-o	36.8 iik	3777 c-a	70.0 a-k	756 b	644 c-h
Florida-07	21.5 f-i	39.2 hi	3782 c-a	69.1 i-l	586 klm	630 d-i
C-99R	23.6 e-i	52.2 def	3564 d-h	71.9 d-a	629 hii	622 e-i
Georgia Green	18.1 h-m	47.4 fa	3453 fah	73.5 a-e	750 bc	620 e-i
Tifrunner	17.2 i-n	33.8 i-n	3523 e-h	72.2 c-a	712 cd	620 e-i
AP-3	12.7 l-p	32.4 i-n	3500 e-h	69.3 h-l	687 de	591 f-i
AT 3085A	17.3 h-n	36.8 iik	3391 ah	70.5 f-i	643 f-i	583 f-k
Carver	26.7 b-f	51.4 ef	3272 ghi	70.2 f-k	667 e-h	564 a-l
AT 3081R	23.7 d-h	54.3 cde	3299 ghi	69.0 i-l	680 def	557 a-m
CRSP 38	27.9 a-f	51.6 ef	3122 hii	71.9 d-a	638 a-i	546 h-m
McCloud	29.2 a-e	59.9 bc	3078 hii	71.4 e-i	603 ikl	533 i-m
GA 012517	18.2 h-m	33.6 i-n	2742 i	72.5 b-f	732 bc	478 lm
Andru II	25.1 c-a	54.9 b-e	2842 ii	66.7 m	805 a	464 m
<u>Virginia Types:</u>						
GA 012535	18.6 h-l	43.7 ah	3992 b-e	71.6 e-h	445 r	733 abc
Georgia-05E	15.9 i-o	35.7 i-m	3960 b-f	75.6 a	565 lmn	730 a-d
Georgia Hi-O/L	22.9 e-i	44.7 ah	3133 hii	74.4 abc	550 mno	594 f-i
CHAMPS	31.7 ab	59.6 bc	3208 hii	68.0 klm	484 pa	548 a-m
Gregory	30.1 a-d	61.4 ab	3133 hii	67.4 lm	528 no	538 i-m
GA 012519	19.5 a-k	38.4 hii	2866 ii	73.6 a-e	590 kl	528 i-m
NC-V 11	30.5 abc	58.8 bcd	3173 hii	63.1 n	454 ar	488 klm
Perry	33.5 a	68.9 a	2731 i	68.6 i-m	518 op	482 lm

*Within columns, means followed by the same letter are not significantly different at P≤0.05.

Table 5. FIVE-TEST AVERAGE PERFORMANCE WITH AND WITHOUT IRRIGATION OF 19 RUNNER AND 8 VIRGINIA-TYPE PEANUT GENOTYPES AT MULTILOCATIONS IN GEORGIA WHEN PLANTED IN MID-MAY, 2006.

Peanut Genotype	TSWV (%)	TD (%)	Yield (lb/a)	TSMK (%)	Seed (no./lb)	Value (\$/a)
<u>Runner Types:</u>						
GA 011514	6.5 k*	13.8 i	4862 a	75.4 ab	737 f-i	892 a
Florida-07	14.9 ghi	26.3 ef	4856 ab	71.5 ghi	711 ij	846 abc
Georgia Greener	6.4 k	16.7 hi	4534 abc	75.6 ab	786 d-h	836 a-d
Georgia-06G	6.4 k	17.3 hi	4548 abc	75.9 a	722 hi	834 a-d
Georgia-02C	9.4 jk	19.6 gh	4563 abc	73.4 c-f	847 bcd	819 a-e
AT 3085A	14.5 ghi	28.2 def	4600 abc	72.6 e-h	730 ghi	814 a-e
AT 3081R	18.2 g	32.9 cd	4613 abc	70.6 ijk	813 cde	798 a-f
Georgia-03L	8.0 jk	15.7 hi	4596 abc	71.2 g-j	759 e-i	797 a-f
Georgia-01R	12.1 hij	23.1 fg	4334 a-e	73.8 b-e	763 e-i	782 b-g
C-99R	24.1 de	38.6 b	4319 a-e	73.0 d-g	726 hi	769 c-g
Georgia Green	9.4 jk	29.6 de	4158 c-g	73.4 c-f	916 b	748 c-h
GA 012517	10.9 ijk	23.7 fg	4049 c-g	74.8 a-d	799 c-g	742 c-h
Carver	22.8 ef	37.7 bc	4369 a-e	67.9 lm	861 bc	739 d-h
York	15.7 gh	26.0 ef	4252 b-f	68.3 lm	900 b	720 e-i
McCloud	23.5 e	38.3 bc	4060 c-g	72.3 e-i	736 f-i	719 e-i
Tifrunner	15.4 ghi	26.4 ef	4095 c-g	70.9 h-k	855 bcd	714 e-i
AP-3	16.1 gh	25.0 efg	4221 c-g	68.6 lm	805 c-f	713 e-i
CRSP 38	28.2 cd	40.1 b	4009 c-g	71.7 f-i	717 hij	701 f-i
Andru II	23.6 e	40.5 b	3788 efg	65.7 n	1113 a	620 i
<u>Virginia Types:</u>						
Georgia-05E	12.2 hij	25.5 ef	4493 a-d	76.0 a	711 ij	879 ab
GA 012535	18.5 fg	29.7 de	4355 a-e	73.9 b-e	513 n	840 a-d
GA 012519	14.7 ghi	32.9 de	4353 a-e	75.2 abc	649 jk	837 a-d
Georgia Hi-O/L	14.9 ghi	29.4 de	4270 a-e	75.2 abc	617 klm	829 a-d
CHAMPS	25.9 de	41.6 b	4276 a-e	69.5 jkl	562 mn	768 c-g
Gregory	31.2 bc	41.4 b	3900 d-g	67.5 mn	573 lmn	685 ghi
Perry	32.8 ab	52.6 a	3659 fg	69.1 klm	635 kl	651 hi
NC-V 11	36.6 a	54.6 a	3642 g	69.1 klm	649 jk	643 hi

*Within columns, means followed by the same letter are not significantly different at $P \leq 0.05$.

Table 6. MEAN POD YIELD OF ADVANCED BREEDING LINES AVERAGED ACROSS U.S. TEST LOCATIONS IN 2005.

Peanut Genotype	Pod Yield (lb/a)			
	SE [†]	SW [‡]	VC [¶]	Mean
Florida-07	3725 a*	5226 a	4989 a	4730 a
GA 011514	3648 a	4964 ab	4304 abc	4365 ab
Georgia Greener	3250 ab	4971 ab	4150 bc	4203 bc
UF 03325	3248 ab	4740 abc	4246 bc	4154 bcd
McCloud	2554 c-f	5192 a	4235 bc	4125 b-e
N01013T	2962 bc	4816 ab	4294 abc	4121 b-e
GA 012534	2874 bcd	4843 ab	4252 bc	4091 b-e
N02006	2735 b-e	4432 bc	4446 ab	3974 b-f
TX 034145	2091 efg	5057 ab	4298 abc	3972 b-f
Tamrun OL07	2014 fg	5084 ab	3986 bc	3848 c-g
N03090T	2316 c-g	4410 bc	4246 bc	3779 c-g
TX 033607	1873 g	4895 ab	3964 bc	3732 d-g
VT 003069	2008 fg	4762 ab	3918 bc	3704 e-h
NC 7 (ck)	2168 efg	4456 bc	3723 cd	3566 fgh
CRSP14	2262 d-g	4083 c	3664 cd	3434 gh
Florunner (ck)	955 h	4715 abc	3589 cd	3280 hi
CRSP08	2073 efg	3291d	3056 d	2874 i

* Within columns, means followed by the same letter are not significantly different at $P \leq 0.05$.

[†] Pod yield for SE = mean of Georgia, Florida, and Alabama (3 tests).

[‡] Pod yield for SW = mean of Texas and Oklahoma (4 tests).

[¶] Pod yield for VC = mean of Virginia, North Carolina, and South Carolina (4 tests).

Table 7. THREE-YEAR (2004-06) DISEASE INCIDENCE AFTER DIGGING OF GA 011514 VS. OTHER RESISTANT PEANUT GENOTYPES WHEN GROWN IN SOIL WITH VERY HIGH DISEASE PRESSURE FROM STEM ROT OR WHITE MOLD (*Sclerotium rolfsii*, Sacc.).

Peanut Genotype	Disease Incidence (%)			
	2004	2005	2006 [†]	Mean
GA 011514	61.7 ef*	50.0 e	66.2 b	59.3
Georgia-01R	81.2 a	85.8 a	65.0 b	77.3
Georgia-02C	70.0 cd	80.4 ab	67.9 b	72.8
Georgia-03L	68.3 de	53.3 de	37.9 c	53.2
Georgia-06G	74.2 a-d	69.6 bc	58.8 b	67.5
Georgia Greener	78.8 ab	81.2 ab	67.5 b	75.8
C-99R	76.7 abc	78.8 ab	60.4 b	72.0
Georgia-05E	60.0 f	77.5 ab	-	-
GA 011523	75.8 a-d	74.6 abc	-	-
GA 011521	71.7 bcd	-	-	-
GA 012534	-	63.8 cd	-	-
GA 032913	-	-	84.2 a	-
GA 032524	-	-	64.2 b	-
AP-3	-	-	28.8 c	-

* Within columns, means followed by the same letter are not significantly different at $P \leq 0.05$.

[†] GA 011514 was purposely dug later in 2006 for evaluation.

Table 8. THREE-YEAR (2004-06) POD YIELD OF GA 011514 VS. OTHER RESISTANT PEANUT GENOTYPES WHEN GROWN IN SOIL WITH VERY HIGH DISEASE PRESSURE FROM STEM ROT OR WHITE MOLD (*Sclerotium rolfsii*, Sacc.).

Peanut Genotype	Pod Yield (lb/a)			
	2004	2005	2006 [†]	Mean
GA 011514	2892 a*	1906 a	2369 cd	2389
Georgia-03L	2205 b	1715 ab	3135 a	2352
Georgia-06G	2036 b	1192 d	2534 bc	1921
Georgia Greener	1908 b	1275 cd	2216 cde	1800
Georgia-01R	1085 c	1813 ab	2229 cde	1709
Georgia-02C	2081 b	1318 cd	1839 e	1746
C-99R	618 d	1358 cd	1885 e	1287
Georgia-05E	2614 a	1590 abc	-	-
GA 011523	2004 b	1524 bcd	-	-
GA 011521	1926 b	-	-	-
GA 012534	-	1712 ab	-	-
GA 032913	-	-	2128 cde	-
GA 032524	-	-	2018 de	-
AP-3	-	-	2929 ab	-

* Within columns, means followed by the same letter are not significantly different at $P \leq 0.05$.

[†] GA 011514 was purposely dug later in 2006 for evaluation.

Table 9. FOUR-YEAR (13 TESTS) AVERAGE SHELLING OUTTURN OF GA 011514 VS. GEORGIA GREEN, 2003-06.

Peanut Genotype	Jumbo[†] (%)	Med.[‡] (%)	No. 1[¶] (%)	SMK (%)	SS (%)	OK (%)	DK (%)	Meat (%)	Hull (%)
GA 011514	34 a*	26 b	5 b	65 a	8 a	4 a	1 a	78 a	22 a
Georgia Green	22 b	37 a	7 a	66 a	5 b	5 a	2 a	78 a	22 a

* Within columns, means followed by the same letter are not significantly different at P≤0.05.

[†] Jumbo = +21/64 x 3/4 inch screen.

[‡] Medium = - 21/64 + 18/64 inch screen.

[¶] No. 1 = -18/64 + 16/ 64 inch screen.

Table 10. TWO-YEAR AVERAGE COMMERCIAL SHELLING OUTTURN, TOTAL SHELLING RATE (TSR) AND FIRST-STAGE SHELLING RATE (FSR) OF GA 011514 VS. GEORGIA GREEN, 2005-06[†].

Peanut Genotype	Jumbo (%)	Med. (%)	No. 1 (%)	SMK (%)	OK (%)	Splits (%)	TSR (g/min)	FSR (g/min)
GA 011514	35 a*	29 b	7 a	71 a	6 b	23 a	876 a	1635 a
Georgia Green	20 b	43 a	11 a	74 a	10 a	16 b	582 b	1400 a

* Within columns, means followed by the same letter are not significantly different at P≤0.05.

[†] Research conducted by Marshall Lamb, USDA/ARS National Peanut Research Laboratory, Dawson, GA.

Table 11. FOUR-YEAR (13 TESTS) AVERAGE POD PRESIZER DISTRIBUTION OF GA 011514 VS. GEORGIA GREEN, 2003-06.

Peanut Genotype	Fancy Pods[†] (%)	+38/64" (%)	-38+34/64" (%)	-34/64" (%)
GA 011514	56 a*	4 a	52 a	44 b
Georgia Green	8 b	0 b	8 b	92 a

* Within columns, means followed by the same letter are not significantly different at P≤0.05.

† Fancy pods = +38/64 and +34/64 inches summed together.

Table 12. TWO-YEAR MEAN POD SIZE DISTRIBUTION AND BULK DENSITY OF GA 011514 VS. GEORGIA GREEN, 2005-2006.[†]

Peanut Genotypes	+36 (%)	+34 (%)	+32 (%)	+30 (%)	+28 (%)	+26 (%)	+24 (%)	-24 (%)	BD (kg/m³)
GA 011514	11 a*	23 a	29 a	17 a	10 b	5 b	3 b	2 b	308 a
Georgia Green	0 b	2 b	12 b	25 a	26 a	17 a	9 a	9 a	293 b

* Within columns, means followed by the same letter do not differ significantly at $P \leq 0.05$.

[†] Research conducted by Marshall Lamb, USDA/ARS National Peanut Laboratory, Dawson, GA.

Table 13. TWO-YEAR MEAN SEED SIZE DISTRIBUTION OF GA 011514 VS. GEORGIA GREEN, 2005-2006.[†]

Peanut Genotypes	+26 (%)	+24 (%)	+22 (%)	+20 (%)	+18 (%)	+16 (%)	+14 (%)	+12 (%)	-12 (%)
GA 011514	0 a	3 a	22 a	38 a	21 b	9 a	3 b	1 a	3 a
Georgia Green	0 a	1 a	9 b	36 a	28 a	13 a	6 a	2 a	5 a

* Within columns, means followed by the same letter do not differ significantly at $P \leq 0.05$.

[†] Research conducted by Marshall Lamb, USDA/ARS National Peanut Laboratory, Dawson, GA.

Table 14. TWO-YEAR AVERAGE BLANCHABILITY AND ROASTED FLAVOR EVALUATION OF GA 011514 VS. GEORGIA GREEN, 2005-06[†].

Peanut Genotype	Blanched (%)	Partial (%)	Unblanched (%)	Flavor Score[‡]
GA 011514	92 a	7 a	1 a	5 a
Georgia Green	91 a	8 a	1 a	5 a

*** Within columns, means followed by the same letter are not significantly different at $P \leq 0.05$.**

† Research conducted by Wil Parker, JLA/Pert Labs, Edenton, NC.

‡ 0-10 scale, where 0 = very poor flavor and 10 = very good flavor.

Table 15. TWO-YEAR AVERAGE SENSORY, CHEMICAL, AND SHELF-LIFE PROPERTIES OF GA 011514 VS. GEORGIA GREEN, 2005-06[†].

Peanut Genotype	Roasted Flavor	Oil (%)	O/L Ratio	Iodine Value
GA 011514	5 a*	50 a	2.2 a	91 b
Georgia Green	5 a	50 a	1.8 b	94 a

* Within columns, means followed by the same letter are not significantly different at $P \leq 0.05$.

[†] Research conducted by Tim Sanders, USDA/ARS, Market Quality and Handling Research Unit, Raleigh, NC.

GA 011514

- * High-Yielding, TSWV-Resistant and White Mold-Resistant, Runner-Type**
 - * Runner Growth Habit**
 - * Medium to Medium plus Maturity**
 - * High Levels of TSWV and White Mold Resistance**
 - * Very Productive and Good Stability across Different Environments**
 - * Excellent for the Runner-Market Trade**
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