

2025 Appling/Bacon County Peanut Variety Trial Will Brown and Zack Williams

An on-farm peanut variety trial was conducted in Appling County, GA. The trial consisted of 6 different peanut varieties, which were DG913, GA-06G, GA-21GR, GA-16HO, GA-20VHO, and GA-12Y. Peanuts were planted in conventional twin rows at a seeding rate of 7 seeds per row foot. Each variety was planted in 4 quarter acre plots on May 2, 2025. Peanuts were dug on September 24, 2025, 145 days after planting (DAP). Varieties were evaluated on stand count, seedling vigor, plant height and width at 30 and 60 days after planting, tomato spotted wilt virus (TSWV), leafspot, yield, and grade. GA-12Y achieved this highest stand count with 3.78 seed/ft and was statistically different from the other varieties. GA-12Y and DG913 received the highest seedling vigor ratings but were not significantly different than other varieties. GA-12Y and DG913 were also recorded to have the largest plant canopy at 30 and 60 DAP but were not significantly different than other varieties. With the early may planting conditions and no use of Thimet in furrow, percent TSWV was high across the trial with a trial average of 38.5 percent. GA-06G was recorded to have the highest percent TSWV at 54%, GA-12Y was recorded to have the lowest percent TSWV at 23.5%. Leafspot was generally low across all varieties in the trial. DG913 and GA-21GR had a statistically higher yield than the other cultivars with respective yields of 5,342.8 lbs/A and 5,304.0 lbs/A. The trial yield average was 4,771 lbs/A. GA-21GR and GA-20VHO graded the highest with a 75% Total SMK.

Number of Subsamples Description Data Entry Date	1 "NetYield/A " Nov-10-2025	1 "TSWV (%) " Nov-10-2025	1 Leafspot Nov-10-2025	1 "TotalSMK " Nov-10-2025	1 "Other Kernels " Nov-10-2025	1 Sound Splits Nov-10-2025	1 % Hulls Nov-10-2025	1 LSK Nov-10-2025
Trt Treatment No. Name	1	2	3	4	5	6	7	8
1 DG913	5342.8a	41.3b	1.75abc	72.0na	3.0na	2.0na	1.0na	23.0na
2 Georgia-06G	4359.0c	54.0a	2.13a	69.0na	4.0na	1.0na	2.0na	24.0na
3 Georgia-21GR	5304.0a	37.0b	1.63bc	75.0na	3.0na	2.0na	1.0na	21.0na
4 Georgia-16HO	4787.0b	41.5b	2.00ab	70.0na	6.0na	2.0na	1.0na	24.0na
5 Georgia-20vho	4571.5bc	33.8b	1.38c	75.0na	3.0na	2.0na	1.0na	21.0na
6 Georgia-12Y	4262.3c	23.5c	1.50c	67.0na	6.0na	1.0na	1.0na	25.0na

Number of Subsamples Description Data Entry Date	1 Stand Count Avg> Nov-10-2025	1 Stand Count Avg> Nov-10-2025	1 Height Avg (30 > Nov-10-2025	1 Width Avg (30 D> Nov-10-2025	1 Height Avg (60 > Nov-10-2025	1 Width Avg (60 D> Nov-10-2025
Trt Treatment No. Name	9	10	11	12	13	14
1 DG913	3.18b	5.28a	4.6563a	5.438-	12.125a	24.813-
2 Georgia-06G	1.95c	3.20c	4.3438a	5.250-	11.375ab	24.875-
3 Georgia-21GR	1.80c	4.25b	4.0938a	5.188-	10.313bc	26.500-
4 Georgia-16HO	3.18b	5.60a	4.2813a	5.688-	11.313ab	24.500-
5 Georgia-20vho	1.85c	3.58c	3.2500b	5.250-	9.813c	24.063-
6 Georgia-12Y	3.78a	5.58a	4.1250a	5.438-	12.438a	27.250-

Number of Subsamples Description Data Entry Date	1 Vigor 1-10 Nov-10-2025
Trt Treatment No. Name	15
1 DG913	7.7188a
2 Georgia-06G	7.1563b
3 Georgia-21GR	6.6250c
4 Georgia-16HO	7.3438ab
5 Georgia-20vho	5.1563d
6 Georgia-12Y	7.6875a