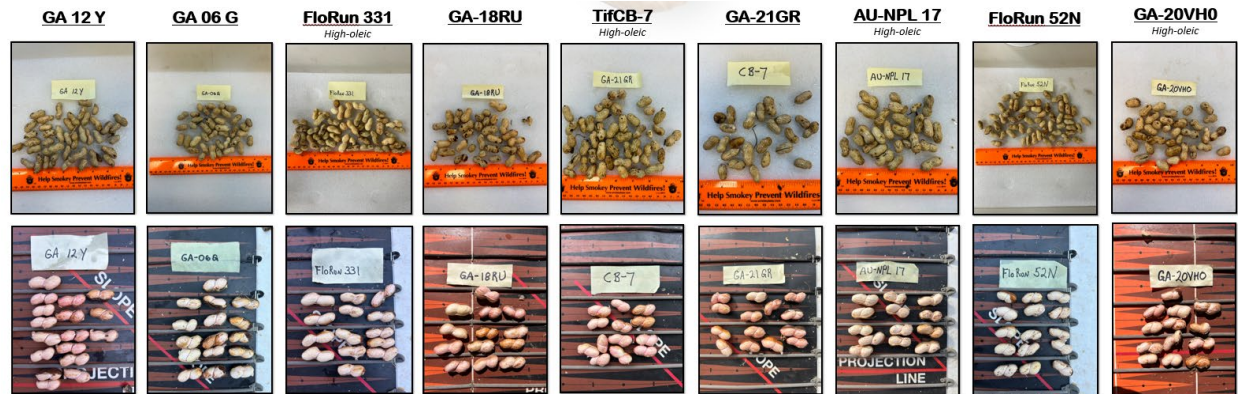


Peanut Variety Testing (Irrigated/Non-Irrigated) in Cook County, GA.

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Georgia is the top peanut-producing state in the United States. Released in 2006, Georgia 06 G has been the predominant variety planted. Peanut producers who want other options are experimenting with other varieties. What variety performs best locally will vary. Variations in soil type and climate conditions will play a role in peanut variety selection. Cook County Extension collaborated with UGA Peanut Team and local peanut producers to install peanut variety trials in irrigated and non-irrigated environments with the objective to produce local peanut variety characteristic and performance data and distribute to Cook County peanut producers and industry to assist in peanut variety selections. Two sites were selected for trial to evaluate varieties in irrigated and non-irrigated conditions. **Irrigated** location consisted of Stillson loamy sand (Se) soil and was planted in 38" single rows 26 May in strip tillage. Previous crop was corn. Varieties replicated 3X and consisted of 4 rows X 500' length. TSWV ratings collected 17 September. Stand counts collected 5 June. Trial inverted 18 October; harvested 24 October. **Non-Irrigated** location consisted of Tifton Loamy Sand (TqB) and Irvington Loamy Sand (IjA) soil and was planted 1 June in conventional tillage twin rows. Previous crop was cotton. Varieties replicated 3X (exception, GA-21GR and AU-NPL17 – Rep 2X) and consisted of 6 rows X 500' length. TSWV ratings collected 24 September. Stand counts collected 12 June. Inverted 25 October; Harvested 1 November. Varieties tested shown below:



RESULTS

IRRIGATED TRIAL SUMMARY				
Variety	Stand Count	TSWV Incidence	Yield	Grade
FloRun 52N	5.77	10%	4,693	74
TifCB-7	4	18%	4,553	66
GA 06G	4.38	15.2%	4,537	76
GA 12 Y	4.94	3.2%	4,535	56
FloRun 331	4.05	27.2%	4,111	NA
GA 21 GR	2.38	16.6%	3,955	NA
AU-NPL 17	3.44	11.2%	3,755	63

Stand Count = Plants/Foot. Avg of 3 Reps.
 TSWV Rating = Number 1' TSWV hits/50'. Recorded as percentage. Avg of 3 Reps.
 Yield = LBS., Avg of 3 Reps. TifCB7 yield is avg of 2 reps.
 Grade = % Total SMK. Rep 3 only. Two samples for grading not labeled (331 and 21GR) graded 71 and 72.

NON-IRRIGATED TRIAL SUMMARY				
Variety	Stand Count	TSWV Incidence	Yield	Grade
GA-18RU	5.3	6%	5,600	76
GA 12 Y	5.8	2%	5,571	71
FloRun 331	4.6	10%	5,531	75
AU-NPL 17	3.5	6%	5,446	73
GA 06G	4.1	3.2%	5,393	74
GA-20VH0	2.8	2%	4,918	73
GA 21 GR	3	4%	4,783	74

Stand Count = Plants/Foot. Avg of 3 Reps.
 TSWV Rating = Number 1' TSWV hits/50'. Recorded as percentage. Avg of 3 Reps.
 Yield = LBS., Avg of 3 Reps. AU-NPL17 and GA21GR avg of 2 reps.
 Grade = % Total SMK.