



February 8th, 2021

To: The Georgia Peanut Commission

Reference: Tattnall County Peanut Variety Trial Summary

A variety trial was conducted in Tattnall County in cooperation with Georgia Correctional Industries located in Reidsville, Georgia. The peanut trial was planted on May 22nd, 2020 and harvest November 5th, 2020. The Trial consisted of four varieties: GA-06G, GA-16HO, GA-18RU, and FloRun 331. Peanuts were planted in a single row configuration and rows were 36 inches apart. Rows were 500 feet long and six rows wide (9000 sq. ft.). Seed quality was an issue for the GA-06G, and yields suffered for it. Vigor ratings, stand counts, and spotted wilt severity were conducted in the plots.

Vigor ratings for GA-06G were a five on scale of one to ten. This corresponded directly with the emergence count which was roughly 1.5 seeds per foot, less than half of what was planted. The cultivar with the highest vigor and emergence rating was GA-16HO with roughly 4.5 seeds per foot and an average vigor rating of around nine. Thus, again showing vigor and emergence were closely correlated. Another important note is that the GA-06G seed which were planted contained several seed splits, which in all likelihood never germinated.

Spotted wilt counts were also included in these plots for comparison between varieties. The lowest average was with an average of 22%, FloRun 331 GA-18RU both at though different over 20% are data across figure 1. The yielding averaged plots was at 5804 followed by 5641, 18-RU GA-06G at

Variety	Replication 1 (lbs)	lbs/ acre equivalent	Variety	Average Yield Data
GA-06G	948	4588.32	GA-06G	4392.3
GA-16HO	1154	5585.36	GA-16HO	5641.02
18RU	1097	5309.48	18RU	5256.24
FloRun 331	1174	5682.16	FloRun 331	5804.37
Variety	Replication 2 (lbs)	lbs/ acre equivalent		
GA-06G	922	4462.48		
GA-16HO	1180	5711.2		
18RU	1063	5144.92		
FloRun 331	1218	5895.12		
Variety	Replication 3 (lbs)	lbs/ acre equivalent		
GA-06G	854	4133.36		
GA-16HO	1261	6103.24		
18RU	1155	5590.2		
FloRun 331	1226	5933.84		
Variety	Replication 4 (lbs)	lbs/ acre equivalent		
GA-06G	906	4385.04		
GA-16HO	1067	5164.28		
18RU	1029	4980.36		
FloRun 331	1179	5706.36		

GA-16HO average of followed by at 29.5%, and and GA-06G 30.5%. Even numerically TSWV hits of very high. Yield all plots is in highest cultivar across all FloRun 331 lbs/acre, GA-16HO at 5256, and 4392 lbs.

Figure 1. Yield Data

The agents want to thank the GA Peanut commission for the funding that allowed this and other trials like this to continue. Without support from the commission the ability to conduct on-farm research would be limited. These trials allow for local relevant research data that growers in our community use to help their farms become more productive.

We want to again thank the Peanut Commission for their continued support of Tattnall County Extension!

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