

**Irrigated Evaluation of Six Peanut Varieties**  
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Peanut acres in the state of Georgia have risen at least 20% over the past five years, with Jenkins County acres rising proportionally. This increase is partly due to higher contract prices in 2011 and 2012 followed by changes in the 2014 Farm Bill. This increase has put more demand on Extension personnel to provide growers with the latest peanut variety data.

In an effort to gather data on new varieties, the Jenkins County Extension Agent along with Dr. Scott Monfort, Extension Peanut Agronomist conducted an on-farm large plot peanut variety trial. This trial was planted on May 18 and harvested on October 25. Per protocol, varieties assessed included: Georgia 13M, Georgia 12Y, TUFRunner 727, Georgia 06G, TUFRunner 511, and Georgia 09B. The field selected for this trial was planted using strip-till management in an irrigated environment. The experimental design was a randomized complete block with three replications. Yield and grade (total sound mature kernels {TSMK}) were determined, and each plot was rated for tomato spotted wilt virus (TSWV). The peanuts were dug based on maturity, each plot was weighed individually with grade samples pulled.

There was no significant difference in yield or grade; the highest yielding variety was Georgia 13M (5826 lb/acre) with Georgia 09B being the lowest (4853 lb/acre). Georgia 13M had the highest TSMK and TUFRunner 511 was the lowest with a 76 and 69 respectively. Georgia 13M and Georgia 12Y exhibited the lowest TSWV% and were significantly different than the benchmark variety, Georgia 06G. Based on the results of this trial, a grower could lose 973 lb/acre or \$173/acre by not growing the best variety. However, growers need to look at all the characteristics of a variety before making a decision.

**TSWV, grade, yield and loan value of six irrigated peanut varieties**

Variety	TSWV%	TSMK	Yield lb/ac	Loan Value \$/ac
Georgia - 13M	4.67b	76	5826	1034
Georgia - 12Y	3.33b	70	5650	1002
TUFRunner 727	14.33a	69	5564	988
Georgia - 06G	13.50a	77	5412	960
TUFRunner 511	14.00a	74	5102	905
Georgia - 09B	8.67ab	70	4853	861