

Irrigated Evaluation of ten Peanut Varieties
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In an effort to gather data on new varieties, Wade Parker, SE District Agriculture Program Coordinator along with Dr. Scott Monfort, Extension Peanut Agronomist evaluated ten peanut varieties grown in a strip-till irrigated environment. This trial was planted on May 19 and harvested on October 20. Per protocol, varieties assessed included: Georgia 06G, Georgia 09B, Georgia 12Y, Georgia 13M, Georgia 14N, FloRun 157, TUFRunner 297, TUFRunner 511, TUFRunner 727, and Georgia 07W. The experimental design was a randomized complete block with four 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.

Based on the results of this trial, Georgia 06G was the highest and TUFRunner 727 was the lowest variety yielding 6588 lbs/A and 5192 lbs/A respectively. Georgia 09B, Georgia 13M, FloRun 157, TUFRunner 297, and TUFRunner 727 were statistically lower than Georgia 06G, the standard peanut variety in Georgia. With respect to Total Shelled Mature Kernels (TSMK%), Georgia 12Y, FloRun 157, and Georgia 07W were statistically lower than Georgia 06G. This trial has demonstrated the continued strength of our standard bearer, Georgia 06G. Georgia 06G continues to be an ideal variety for southeast growers and continues to be a competitive variety in both yield and grade. According to the results in this trial, a grower could lose \$403.81 per acre by planting a lower yielding variety. However, growers need to look at all the characteristics of a variety before making a decision.

TSWV, grade, yield and loan value of ten irrigated peanut varieties

Variety	TSWV%	TSMK	Yield lb./A	Loan Value \$/A
Georgia 06G	2.3	75.3	6588	1169.37
Georgia 09B	3.0	74.5	5558	986.55
Georgia 12Y	3.5	71.8	6192	1099.08
Georgia 13M	3.5	74.0	5661	1004.83
Georgia 14N	3.5	75.0	6279	1004.83
FloRun 157	4.0	73.3	4313	765.56
TUFRunner 297	3.0	74.3	5719	1015.13
TUFRunner 511	2.5	74.0	5976	1062.52
TUFRunner 727	3.3	73.8	5192	921.58
Georgia 07W	3.0	73.3	6055	1074.76