Irrigated Evaluation of Six Peanut Varieties in Jenkins County, Georgia.

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Peanut cultivar selection is an on-going production issue in Jenkins County and the entire state. Research was conducted to evaluate six peanut cultivars. The field selected for this trial was planted using strip-till management and was irrigated. Cultivars assessed included: Georgia Greener, Florida-07, Georgia-09B, FloRun™ 107, Georgia-06G, and Georgia-07W. The planting date was June 8, 2013, with the digging date determined based on maturity sampling. 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). Yield was determined on each plot. Each variety was graded. The only difference in yield observed was Georgia-09B (4181 lb/ac) produced more peanuts than Georgia Greener (3436 lb/ac) while all other paired comparisons were not significant. For TSMK, all Georgia cultivars (78-79%) had better grade than FloRun 107 (74%). Incidence of TSWV did not significantly impact yield or grade. This data would suggest that the cultivars most suitable for production in Jenkins County, GA during a wet growing season is Georgia-06G, Georgia-07W, and Georgia-09B when taking yield, grade, and TSWV into account.