

Report to Georgia Peanut Commission for 2018 GPC Grant

“Twin and Triple Row Comparison of Georgia 0-6G in Irwin County, Georgia”

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Project Goals

The objective of this trial was to compare twin and triple row configurations of Georgia 0-6G. The goal of the trial to see triple rows and slightly more seed would increase per acre yield. Thus giving the potential to plant fewer acres to obtain similar yield. All inputs would remain the same with the exception of increased seed cost and time loss to set up the planter. Four replications were to be planted and harvested and yield and grade determined.

The initial grant was submitted to compare Thimet and Admire Pro in-furrow in early and later planted peanuts. Equipment issues with hopper-boxes (3 separate attempts) resulted in only Admire Pro being used by the farmer – so we were unable to conduct this trial. We are hoping to complete this trial in 2019.

Results

Excessive rain hampered the planting but the peanut trial was finally planted on June 7, 2018. The field was in two years of cotton previously. All Extension recommendations were followed across the trial. The peanuts were inverted based on hull scrape determination. Excessive rain also hampered harvest. Harvest was delayed by rain and instead of harvesting each replication; all four of each row patterns were harvested together. The combined per acre yield of the twin row pattern was 4139.61 pounds per acre with a grade of 78. The combined per acre yield of the triple row pattern was 4146.56 pounds per acre with a grade of 79.

Impact

Data collected showed that there was a slight increase in yield and grade. Also noted was canopy closure was also slightly quick in the triple versus the twin row configuration.