



UGA Extension Houston County

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Georgia Peanut Commission
445 Fulwood Blvd.
Tifton, GA 31794

Dear Georgia Peanut Commission,

Thank you for your support for my on farm research trial. In Houston County, I conducted an on farm peanut variety trial. The varieties that were studied in this trial were Georgia 06G, 09B, Tiftguard, 12Y and 14N. The trial was planted on May 2, 2016, dug on September 14, 2016 and harvested on September 21, 2016. The trial was planted under pivot irrigation. All varieties were planted with four replications except 14N, which only had two replications. Each plot was 0.23 acres and consisted of six rows.

The peanuts were checked throughout the season for pests and pesticide applications were made accordingly. Because of thrips damage early in the season, I did find about 5% Tomato Spotted Wilt Virus throughout the plots. Leaf spot and some white mold were also found throughout the plots, even with regular fungicide application.

The peanuts were dug on September 14th because of spidermite pressure. The 06G and 09B were at full maturity, but the 12Y, 14N and Tiftguard were 7 to 14 days from maturity. Because of the early dig date, some of the data may be skewed for those varieties.

Results:

This main focus of this trial was to look at yield and grade information for each variety. 06G average yield was 5010.8 lbs/ac, 70% mature kernels, 6% other kernels and 1% foreign matter. 09B average yield was 4916.5 lbs/ac, 70% mature kernels, 5% other kernels and 2% foreign matter. 12Y average yield was 4664.3 lbs/ac, 68% mature kernels, 7% other kernels and 2% foreign matter. Tiftguard average yield was 4494.3 lbs/ac, 62% mature kernels, 10% other kernels and 2% foreign matter. 14N average yield was 3266.5 lbs/ac, 65% mature kernels, 10% other kernels and 1% foreign matter.

Overall 06G and 09B performed the best in this trial. Decrease in yield and mature kernels of 12Y, Tiftguard and 14N could be contributed to the early dig date.

Yours Sincerely,

A handwritten signature in blue ink that reads "Charlotte Meeks".

Charlotte Meeks
Agriculture and Natural Resource Agent

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