

To: Georgia Peanut Commission

January 28, 2010

Re: Use of county grant money

From: Jim Crawford, Jefferson
County Extension Coordinator

Emory Murphy other members of GPC,

Once again, I want to thank you very much for the \$500 grant you made available for peanut education programming at the county level. This money was used to continue variety trials but in 2009, we paid for extra seed to have both dry land and irrigated plots. These variety trials, done three consecutive years, have done much to attract interest and change among our county growers. In fact, I believe it was because of our work in '07 which was confirmed in '08, that Jefferson County farmers requested and pretty much got all the Ga-06G peanut seed they wanted which resulted in very good '09 yields.

Situation: Peanuts are a well established part of the crop rotation in Jefferson County. As peanuts become a larger part of total farm income, growers look more closely at factors that will enhance yield such as variety and disease resistance. We have data from three previous variety trials conducted in the county with the help of GPC grants but wanted to try one more year on a dry land plot.

Response: Working with Dr. Beasley and using GPC grant money, we again established UGA large-plot variety trials with eight varieties that included AT3085O, FI-7, Ga-06G, Tifguard, Ga Greener, Ga-07W and Ga-02C to compare with Ga Green.

Procedure: The trials were set up on six-row plots with the irrigated plot being planted on twin rows. The two plots were planted, dug and harvested within three days of each other. They were both dug at 147 days. Samples were collected at harvest for cleaning and grading while samples were tested for moisture at a local buying point.

Results: Though rated for information purposes, the “funky” leafspot did not defoliate nor contribute to any decreased yield. While not rated, the Ga. Green was observed to have the most TSWV. As was the case in past county trials, Ga-06G was the high yielding peanut and this year, the Ga-07W was second highest yielder in both trials. With another high yielder, FI-7 with proven results, county growers have several very good peanut varieties for planting during the next several years.

Peanut variety trial -2009 Harrison Farm, dry land
 Planted May 28, Dug Oct. 22 (147 days), Harvested Nov.5
 Grover Cobb - cooperator

Yields and grades are average of 2 six-row pl lots (adjusted for moisture and foreign material)

Variety	Total acres	Yield lb/A	Grade
Ga-06G	0.97	4,649	77.5
Ga-07W	0.97	4,526	77.5
Ga Green	0.91	4,426	79
FI -07	0.86	4,297	77.5
Ga-02C	0.86	4,223	77.5
Ga Greener	0.94	4,099	77
Tifguard	0.91	4,088	79
AT 3085RO	0.94	4,054	77

Peanut variety trial - 2009 Bobby/Robby Brett Farm, irrigated
 Planted May 30, Dug (Oct 25 (148 days), Harvested Nov 6

Yields and grades are averages of 2 twin six-row plots (adjusted for moisture and foreign material)

Variety	Total acres	Yield lb/A	Grade
Ga - 06G	0.48	5,653	78
Ga - 07W	0.48	5,403	76.5
Ga Greener	0.5	5,349	75
AT 3085RO	0.52	5,302	75.5
FI - 07	0.53	5,293	75
Tifguard	0.52	5,271	78
Ga Green	0.53	5,009	76.5
Ga - 02C	0.46	4,674	75.5