To: Georgia Peanut Commission February 1, 2008

Re: Peanut Research grant money

From: Jim Crawford, Jefferson
County Extension Coordinator

Emory Murphy other members of GPC,

I am very much appreciative of the $500 grant for county research projects and I hope you'll be able to continue this very worthwhile funding. Farmers like to see research performed in their own county.

Situation: With many new varieties being released from various research and breeding programs, Georgia farmers are suddenly faced with many choices of recommended varieties. Disease resistance continues to play a significant role in variety selection but growers are still mostly interested in yield.

Response: Our county advisory group decided to concentrate on-farm trials to variety selection. We contacted John Beasley and obtained some Ga-06G seed and used the $500 grant to purchase Ga-03L and AT3085RO seed for two county farmer/cooperators. These farmers supplied the Ga. Green seed in order that these four varieties could be tested side by side in variety yield trials.

Procedure: The first trial was set up using the four varieties in a randomly replicated plot as part of Dr. Beasley's SVT. TSWV ratings were taken from this plot at about 110 days. Due to lack of enough Ga-06G seed to replicate another trial, it could not be official but we did manage to put in another "unofficial" trial with one "through" of 06G and two of the other three varieties. The first trial was planted on May 23 and harvested at 140 days. The second trial was planted on May 25 and dug at 144 days. Digging dates for both plots were determined based on pod maturity using the hull scrape method.

Results: Both trials were graded under UGA supervision and Trial 1 was analyzed by UGA technician. These are the averages of all replications.

Trial 1* -	Ga-06G	5,245 lb/A, grade 77	
	Ga. Green	4,997 lb/A, grade 66	
	Ga.-03L	4,759 lb/A, grade 70	
	AT3085RO	4,534 lb/A, grade 73	
Trial 2**-	Ga.-06G	6,638 lb/A, grade 79	
	Ga. Green	5,990 lb/A, grade 78	
	AT3085RO	5,879 lb/A, grade 76	
	Ga-03L	5,028 lb/A, grade 75	

*Graded weights analyzed by UGA

**Field weights adjusted to 7% moisture