

## Hamilton County Peanut Fumigation On-Farm Trial Introduction

The 2016 Hamilton County Peanut Fumigation On-Farm Trial was organized by UF/IFAS Hamilton County Agriculture Extension Agent Keith Wynn, UF/IFAS Lafayette County Agriculture Extension Agent Chris Vann, and UF/IFAS Extension Nematologist Dr. Don Dickson, in a commercial peanut field in Hamilton County. The efficacy of two peanut varieties were compared using Telone II treated vs untreated plots. Yield and quality were measured on peanuts harvested from these plots consisting of 12 rows each and replicated 4 times.

The two varieties compared were Georgia-06G and TifGuard. In this trial Telone II fumigant was applied using Yetter Fumigation equipment on April 25, 2016 at 6 gallons per acre. Each variety tested consisted of four replications with Telone II fumigation and four replications without Telone II fumigation. Peanuts were planted on May 10, 2016, germination counts were conducted on June 24, 2016 and harvested on September 30, 2016 using the cooperating producer's equipment.

Variety	Average Yield Per Acre	Price Per Ton Based on Grade	Price per Acre Based on Grade
Georgia-06G Untreated	5071	361.19	916
Georgia-06G Gal Telone II per acre	5520	364.10	1005
TifGuard Untreated	5078	345.76	878
TifGuard 6 Gal Telone II per acre	5237	345.76	905

Plant Date	05/10/2016
Inverted Date	09/26/2016
Harvest Date	09/30/2016

Note: Prices are based on the 2016 Peanut Price Schedule. Yield represents pounds per acre. This On-Farm trial is used for demonstration only, statistical significance has not been analyzed.

## Germination Rates

Variety	Plants/Ft
Georgia-06G	3.9
Georgia-06G 6 Gal	2.8
TifGuard Untreated	3.4
TifGuard 6 Gal Telone	3.2

