

*Final + Summary*

**Project Title:** Expanding the PeanutFARM tools to offer a Smartphone app to peanut growers

**Principal Investigators:** Diane Rowland, University of Florida; Scott Monfort, University of Georgia; and Kris Balkcom, Auburn University.

**Cooperating Personnel:** Barry Tillman, Elena Toro, University of Florida; Wilson Faircloth, Syngenta; Scott Tubbs, George Vellidis, University of Georgia

**Summary:** The goal of this project was to expand the PeanutFARM tools from a web based program and offer a smartphone app to peanut growers. We are in an era that doesn't just rely on their desktop computer any more but needs the ease and accessibility of a smartphone to help in making daily decisions on the farm. The app includes aGDD maturity model, irrigation scheduling model, and the DIM model for pod color analysis just as the original web based program does but you can access all these features from the app on your phone in the field.

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**Objective:** Continue testing the GDD model and DIM with samples from grower fields in GA, AL, and FL. Also work with our established web designer to develop the Smartphone App to enable growers to access their field data and tools from the App platform.

**Procedures:** Took samples from research plots and grower field to have a more samples of GDD and DIM to compare maturity.

**Results and Discussion:** The goal of this project was to expand the PeanutFARM tools from a web based program and offer a smartphone app to peanut growers. We are in an era that doesn't just rely on their desktop computer any more but needs the ease and accessibility of a smartphone to help in making daily decisions on the farm. Peanut FARM (Field Agronomic Resource Manager) was originally a web based program to help producers in predicting peanut maturity. Now it has been carried a step further to have the accessibility from your phone while in the field or anywhere you want.