

2022 Georgia Peanut Commission Grant

Assessment of Peanut Soil-borne Fungicide Programs and Sulfur in Irwin County, GA 2022

Principal Investigators - Phillip Edwards Irwin County Extension Coordinator, Scott Carlson Worth Co. Ext., John Bennett Wilcox Co. Ext., Guy Hancock Turner Co. Ext.

Extension Specialists - Dr. Scott Monfort, Dr. Bob Kemerait, Dr. Albert Culbreath

Farmer Cooperators Terry Pope, Wyatt Pope Irwin County

Objective

This was the third year with this exact study. This trial compared four replicated treatments of currently used fungicide programs with additional applications using a sulfur material. The objective was to collect data and evaluate findings. The information gathered will be shared on the county and national level when finalized and also will be combined with previous 2 years of data.

Plan of Action

The field was planted in a single row configuration and fungicide materials used will be at the recommended rates as recommended during the growing season. Each replication was measured. The trial was rated for leaf spot, rust prior to inverting and white mold immediately after inverting. Each replication of each of the treatment was harvested and weighed separately and grade samples taken for each treatment from the trailers and grab samples graded. The trial was conducted with assistance from the farmer cooperator and members of the UGA Extension Peanut Team and Irwin County Extension Office Staff.

Plans for how funds were to be used

Funds were used to purchase fungicides that were not donated to carry out the trial. We have not yet been billed for grab sample submissions (though they were taken) as each of the same treatments were loaded on the same wagon and the standard sampling was used also. Any unused portions of the grant if any will be used for extension programming efforts related to peanut production and/or documentation of trial results through various available means.

Other Peanut Research Efforts and Collaborations Include:

Tomato Spotted Wilt Field Survey on Peanut (13 fields with multiple varieties)

Peanut Farmer Pest Management Survey

Assist with Ben Hill Peanut On-Farm Variety Trial

Attended Ben Hill Peanut Field Day

Visits with Delegation from The Gambia (2 field visits – peanut maturity sampling process, peanut picking, and peanut digging)

American Peanut Research Education Society Poster Presentation fungicide trial from 2020-2021



Peanut Trial harvest



Ben Hill field day



Gambian visit maturity, inverting and picking



APRES meeting poster