2014 Report to Georgia Peanut Commission for 2013 GPC Grant Entitled: Irwin County Peanut Soil Borne Fungicide Comparison of Fontelis and Artisan Replicated Trial – Irrigated Twin Row Georgia O6G

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Objective

Fontelis is a newer fungicide for soil borne diseases. Several farmers used this product in 2012 with very good results. Other soil borne fungicide programs were also very effective. The test will compare Fontelis with one of our most popular soil borne fungicide programs. Economic data will also be generated to compare cost of treatment versus yield achieved. The trial will also be rated for white mold. The objective is to plan, conduct, complete and share information from an on-farm large plot peanut trial.

Plan of Action

The plan of action was to compare Fontelis and Artisan side by side in a replicated trial. The peanut field utilized for the trial had an excellent rotation and good management. The field was planted in a twin row configuration. The trial was sprayed with each fungicide on a two week interval per UGA Extension recommendations. The farmer utilized the Irrigator Pro program to schedule irrigations and also was a test field for the aGGD adjusted growing degree day model. The field was sampled for maturity using the Peanut Profile Board and by following the aGGD model. The three replications of each of the two treatments were loaded on dedicated peanut wagons and 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 intended to be used for purchase of product where product was not donated, and for grading of the samples. Both of these costs were covered by the farmer and/or donated fungicides from the sales representative. The grant money in turn was used for extension programming efforts primarily purchase of soil probes. Additional funds will be used to provide handouts at county production meeting, and documentation of trial results (through paper, and poster presentation at county and local production meetings, professional meetings and other applicable educational functions).

Results

