

2020 GPC Grant: Comparison of In-Furrow Application of Endoprime versus Untreated Check

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Objective

This large plot trial compared four replicated in-furrow applications of Endoprime versus corresponding untreated check at planting time.

Plan of Action

The liquid in-furrow set up will be calibrated prior to application and used with Primo Power inoculant. The planter planted six twin rows in a twin row configuration on May 13th and materials used were at the recommended rates at planting. Each replication was measured. The trial was rated and compared using visible characteristics to observe differences between the treated and untreated. Each replication of each of the treatment was harvested on October 13th and weighed separately and grade samples submitted for both treatments. The trial will be conducted with assistance from the farmer cooperator and members of the UGA Extension Peanut Team, Valent representatives, and Irwin County Extension Office Staff.

Plans for how funds were used

Funds were used for grading of the samples and other plot expenses. Any unused portions of the grant if any will be used for extension programming efforts.

Additional Irwin County Extension Peanut Research and Other Efforts

Large Plot Single vs Twin Replicated Trial

Large Plot Peanut Fungicide Trial

Multiple field ratings for Tomato Spotted Wilt Virus Survey



Endoprime Trial							
Plot	Treatment	ID	Row Length % Acre	Field weight	Notes	Yield Per acre	Grade
101	Endoprime	Large Red Flag	1134 .468595	2737	Dug earlier	5840.86	79
102	Untreated		1137 .4698347	2504	Dug earlier	5329.53	80
201	Endoprime	Large Red Flag	1103 .4557851	2358	Dug later	5173.49	79
202	Untreated		1107 .457438	2728	Dug earlier	5963.65	80
301	Endoprime	Large Red Flag	1176 .4859504	2523	Dug later	5191.89	79
302	Untreated		1177 .4863636	2488	Dug later	5115.51	80
401	Endoprime	Large Red Flag	1167 .4822314	2723	Dug later	5646.67	79
402	Untreated		1164 .4809917	3050	Dug later	6341.07	80