Evaluation of host plant resistance in commercial runner-type peanut cultivars to peanut burrower bug. Emanuel County.2016

In 2016, Emanuel County Agent Mark Crosby and UGA Peanut Entomologist Dr. Mark Abney planted 12 peanut cultivars in Summertown Ga. (Emanuel County) to be evaluated on resistance to Burrower Bugs. The peanut cultivars chosen were twelve commercial releases from the Florida and Georgia Peanut Development programs. The cultivars were replicated 4 times and planted using a randomized, complete block design.

Results: Yield /Statistical Data

1 - GA 12-Y	4121 lbs/a	abc
2 - GA 06-G	4036 lbs/a	abc
3 - GA 13-M		
4 - Ga 13N	4051 lbs/a	abc
5 - GA 09-B	3736 lbs/a	bc
6 - GA 10T	3421 lbs/a	c
7 - GA 07W	4331 lbs/a	ab
8 – TufRunner 727	4251 lbs/a	abc
9 – TufRunner 511	4766 lbs/a	a
10 - TufRunner 297	3986 lbs/a	abc
11 - Florunner 107	3861 lbs/a	bc
12 - Tift Guard	4491 lbs/a	ab

Evaluations on Burrower Bug damage has not been completed at this time, yet the cultivar test with 12 cultivars in a replicated system planted in a non-Irrigated setting provides a very important piece of the puzzle for Emanuel County peanut producers. Note: Emanuel County Peanuts are produced with less than 20 percent of the acreage irrigated. Emanuel County peanut producers are thankful for the assistance of the Georgia Peanut Commission for providing funds for this important research project.

16-1.Emanuel Co Burrower Bug Cltvr Location:Emanuel County Trial Year:2016
Trial ID:
Protocol ID:Burrower Bug Cultivar Investigator:Mark R. Abney
Project ID: Study Director:Mark R. Abney & M. Crosby
Sponsor Contact:

Reps: 4 Plots: 12 by 40 feet
Spray vol: 15 GAL/AC Mix Size: .8595 gallons (calculated mix size .8595)

Trt No.	Treatment Name	Amt Product to Measure	Rep 1	2	3	4
1	GA 12Y		101	207	309	403
2	GA 06G		102	201	305	408
3	GA 13M		103	205	302	407
4	GA 14N		104	202	311	401
5	GA 09B		105	210	304	406
6	GA 10T		106	204	312	411
7	GA 07W		107	212	310	405
8	TufRunner 727		108	206	301	409
9	TufRunner 511		109	203	308	410
10	TufRunner 297		110	208	306	412
11	FloRun 107		111	209	303	404
12	TifGuard		112	211	307	402