

2015 Effingham Peanut Variety Trial

Overview: An on-farm trial was conducted in Effingham County on the performance of seven peanut varieties in a non-irrigated environment. Standard management practices were applied on all varieties throughout the season. Disease pressure and yield were recorded.

Conclusion: Late leaf spot disease was an issue in this trial for certain varieties. Three of the seven varieties were above acceptable levels of late leaf spot disease. Yield was different among varieties with 2 varieties performing under the break-even threshold. Plot was harvested at 163 DAP with 12-Y being our highest yielding variety and statically different than all over varieties tested.

Impact: Trial data for the 2015 growing will be used as a tool for producers in Effingham County and the surrounding area when deciding on varieties to plant for 2016.

Pest Name	Yield	TSWV	White Mold	Late Leafspot	Stand(Plants/f>		
Number of Subsamples	1	1	1	1	1		
Entry No.	Entry Name	Plot	1	2	3	4	5
1	TUFRunner 727	101	3711.0	0.0	19.0	35.0	4.80
		203	3933.0	2.0	17.0	30.0	4.20
		303	4014.0	2.0	22.0	50.0	4.00
	Mean =		3886.0	1.3	19.3	38.3	4.33
2	Georgia-12Y	102	4538.0	0.0	16.0	15.0	4.20
		204	5809.0	0.0	14.0	15.0	4.60
		307	6676.0	0.0	12.0	15.0	5.00
	Mean =		5674.3	0.0	14.0	15.0	4.60
3	Florida-07	103	4437.0	0.0	29.0	20.0	4.80
		201	2441.0	0.0	27.0	60.0	4.20
		302	3671.0	1.0	33.0	60.0	4.00
	Mean =		3516.3	0.3	29.7	46.7	4.33
4	Georgia Greener	104	2461.0	3.0	20.0	50.0	4.20
		206	3046.0	0.0	24.0	30.0	4.20
		304	3832.0	0.0	24.0	65.0	3.60
	Mean =		3113.0	1.0	22.7	48.3	4.00
5	Georgia-13M	105	2138.0	0.0	26.0	95.0	5.40
		202	1956.0	0.0	35.0	95.0	5.40
		305	1694.0	0.0	15.0	95.0	4.80
	Mean =		1929.3	0.0	25.3	95.0	5.20
6	TUFRunner 511	106	1291.0	0.0	21.0	90.0	4.20
		205	1513.0	0.0	86.0	100.0	4.00
		301	1271.0	0.0	29.0	100.0	5.00
	Mean =		1358.3	0.0	45.3	96.7	4.40
7	Georgia-06G	107	2461.0	1.0	96.0	65.0	4.40
		207	3288.0	0.0	31.0	35.0	5.20
		306	3005.0	0.0	16.0	65.0	4.00
	Mean =		2918.0	0.3	47.7	55.0	4.53
Pest Name	Yield	TSWV	White Mold	Late Leafspot	Stand(Plants/f>		
Number of Subsamples	1	1	1	1	1		
Entry No.	Entry Name	Plot	1	2	3	4	5
2	Georgia-12Y		5674.3a	0.0-	14.0-	15.0c	4.60-
1	TUFRunner 727		3886.0b	1.3-	19.3-	38.3b	4.33-
3	Florida-07		3516.3b	0.3-	29.7-	46.7b	4.33-
4	Georgia Greener		3113.0bc	1.0-	22.7-	48.3b	4.00-
7	Georgia-06G		2918.0bc	0.3-	47.7-	55.0b	4.53-
5	Georgia-13M		1929.3cd	0.0-	25.3-	95.0a	5.20-
6	TUFRunner 511		1358.3d	0.0-	45.3-	96.7a	4.40-
LSD P=.05	1158.80	1.60	39.03	22.48	0.825		
Standard Deviation	651.38	0.90	21.94	12.64	0.464		
CV	20.36	209.94	75.27	22.4	10.34		
Bartlett's X2	11.87	3.128	28.315	3.29	0.981		
P(Bartlett's X2)	0.065	0.372	0.001*	0.511	0.986		
Skewness	0.726	2.0029*	2.53*	0.1151	0.3974		
Kurtosis	0.3769	3.1683*	5.9997*	-1.3684	-0.8527		
Replicate F	0.865	0.176	0.629	2.035	0.504		
Replicate Prob(F)	0.4458	0.8404	0.5498	0.1734	0.6161		
Treatment F	13.889	1.059	1.026	16.634	1.894		
Treatment Prob(F)	0.0001	0.4370	0.4542	0.0001	0.1632		