

Peanut Variety Performance in Florida 2018 through 2020.

The information provided in the following tables is the result of research conducted by personnel from the UF-IFAS, North Florida Research and Education Center. It is intended to provide peanut growers with objective information regarding peanut variety performance in Florida. Tests were conducted in accordance with accepted peanut production practices for weed, pest and disease control.

Table 1. Yield performance of runner peanut varieties in three to four Florida locations in 2018-2020. Entries are sorted by the three-year average in descending order.

	Irrigated			Non-Irrigated			All Tests		
	2020	2yr Avg	3yr Avg	2020	2yr Avg	3yr Avg	2020	2yr Avg	3yr Avg
Runner types	----- pod yield (lbs./A) -----								
Georgia-16HO**	6764	6838	7252	5278	5124	5519	6269	6348	6674
FloRun™ '331'***	7041	7027	6982	5746	5508	5813	6609	6593	6592
TUFRunner™ '297'***	6574	6842	6984	5497	5377	5610	6215	6423	6526
Georgia-12Y	6875	6623	6956	5547	4818	5224	6432	6107	6379
AU-NPL 17**	6267	6262	6657	5078	5068	5615	5871	5921	6309
Georgia-09B**	6669	6551	6767	5121	5042	5353	6153	6120	6295
Georgia-06G	6247	6460	6734	5470	5381	5244	5988	6152	6237
TUFRunner™ '511'***	6597	6639	6698	5184	5096	5034	6126	6198	6143
Georgia-18RU	6969	6783		5175	5350		6371	6374	
TifNV-High O/L**	6220	6031	6460	5071	4266	4946	5837	5527	5955
ACI 3321**	6636	6788		5154	5000		6142	6277	
Tifguard	6081	5847	5799	5090	5152	4730	5750	5648	5443
Virginia Types									
Walton**	6638	6547		5502	5228		6260	6170	
Bailey	5893	5852	6113	5591	5509	5196	5792	5754	5808
Florida Fancy**	5820	5729	6042	4900	4834	5099	5513	5473	5728
CV	8	8	9	7	8	10	8	8	9
LSD(0.05)	511	327	283	484	416	349	375	261	221

** High Oleic

Table 2. Performance of runner market-type peanut varieties in two to three *irrigated* locations in Florida over the past four years (2017-2020). Entries are sorted by the four year average yield (in descending order).

Name	Maturity*	----- pod yield (lbs./A) -----				----- TSMK (%)† -----			
		2020	2-YR	3-YR	4-YR	2020	2-YR	3-YR	4-YR
Georgia-16HO**	M	6764	6838	7252	7131	78.4	75.5	76.5	77.5
TUFRunner™ '297'***	M	6574	6842	6984	6857	75.9	74.5	75.1	76.5
ACI 3321**	M	6636	6788			73.6	71.4		
Georgia-18RU	M	6969	6783			78.3	77.1		
Georgia-12Y	ML	6875	6623	6956	6753	74.6	71.8	72.7	73.8
FloRun™ '331'***	ML	7041	7027	6982	6749	75.1	72.5	73.5	74.8
Georgia-06G	M	6247	6460	6734	6593	73.9	73.6	74.5	76.1
AU-NPL 17**	M	6267	6262	6657	6534	76.5	74.3	74.8	75.2
TUFRunner™ '511'***	M	6597	6639	6698	6501	75.5	73.3	74.3	75.5
Georgia-09B**	M	6669	6551	6767	6476	77.6	74.7	75.7	77.2
TifNV-High O/L**	M	6220	6031	6460	6235	74.6	72.5	73.4	74.6
Tifguard	ML	6081	5847	5799	5705	76.6	74.4	75.3	76.6
C.V.		8	8	9	9	2.0	2.3	2.2	1.9
LSD(0.05)		511	327	283	231	1.4	1.0	0.8	0.6

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† Total Sound Mature Kernels, those kernels riding a 16/64 inch slotted screen plus sound split kernels.

Table 3. Yield performance of runner and Virginia peanut varieties under irrigation by year and location in Florida during 2018 through 2020. Genotypes are listed alphabetically.

Irrigated Name	Marianna				Gainesville				Live Oak				Overall			
	2020	2019	2018	Mean	2020	2019	2018	Mean	2020	2019	2018	Mean	2020	2019	2018	Mean
----- pod yield (lbs./A) -----																
Runner																
ACI 3321**	6484	5624	-	-	6787	7589	-	-	-	7453	-	-	6636	6889	-	-
AU-NPL 17**	6957	5909	6670	6512	5576	6085	6976	6212	-	6784	8298	7541	6267	6259	7315	6657
FloRun™ '331'***	6255	5727	5931	5971	7828	7049	7231	7369	-	8275	7558	7916	7041	7017	6907	6982
Georgia-06G	7108	5744	6593	6482	5385	6832	7079	6432	-	7232	7896	7564	6247	6603	7189	6734
Georgia-09B**	6352	5018	6222	5864	6986	6845	6674	6835	-	7556	8482	8019	6669	6473	7126	6767
Georgia-12Y	6825	6525	7146	6832	6924	6201	6951	6692	-	6638	8440	7539	6875	6455	7512	6956
Georgia-16HO**	7507	6415	7375	7099	6021	6601	7952	6858	-	7645	8498	8072	6764	6887	7942	7252
Georgia-18RU	6311	5474	-	-	7626	6587	-	-	-	7918	-	-	6969	6660	-	-
Tifguard	5768	5274	5214	5419	6394	5434	5274	5700	-	6363	6674	6519	6081	5690	5721	5799
TifNV-High O/L**	6116	5720	6847	6228	6324	5433	7002	6253	-	6561	7675	7118	6220	5905	7175	6460
TUFRunner™ '297'***	6042	6281	6789	6371	7106	6963	6582	6884	-	7818	8291	8055	6574	7020	7221	6984
TUFRunner™ '511'***	6530	5834	5145	5837	6663	6131	6778	6524	-	8038	8461	8250	6597	6668	6795	6698
Virginia																
Bailey	5385	4925	5242	5184	6402	5658	7483	6514	-	6889	6924	6907	5893	5824	6550	6113
Florida Fancy**	5783	4428	5217	5142	5856	5940	7082	6293	-	6638	7394	7016	5820	5669	6564	6042
Walton**	6941	5796	-	-	6336	6711	-	-	-	6951	-	-	6638	6486	-	-
C.V.	8	10	13	11	9	8	8	8		8	8	8	8	9	9	9
LSD(0.05)	700	607	1117	392	758	715	785	429		753	823	552	511	428	524	283

**High Oleic

Table 4. Yield performance of runner and Virginia peanut varieties under rainfed conditions by year and location in Florida during 2018 through 2020. Genotypes are listed alphabetically.

Non-Irrigated Name	Marianna				Gainesville				Overall			
	2020	2019	2018	Mean	2020	2019	2018	Mean	2020	2019	2018	Mean
ACI 3321**	5154	-	-	-	-	4847	-	-	5154	4847	-	-
AU-NPL 17**	5078	-	6204	5641	-	5058	6118	5588	5078	5058	6161	5615
FloRun™ '331'***	5746	-	5791	5768	-	5270	6445	5857	5746	5270	6118	5813
Georgia-06G	5470	-	4806	5138	-	5293	5407	5350	5470	5293	5107	5244
Georgia-09B**	5121	-	5818	5470	-	4964	5508	5236	5121	4964	5663	5353
Georgia-12Y	5547	-	5470	5508	-	4089	5788	4939	5547	4089	5629	5224
Georgia-16HO**	5278	-	5880	5579	-	4970	5948	5459	5278	4970	5914	5519
Georgia-18RU	5175	-	-	-	-	5526	-	-	5175	5526	-	-
Tifguard	5090	-	4061	4576	-	5214	4556	4885	5090	5214	4309	4730
TifNV-High O/L**	5071	-	5770	5421	-	3461	5480	4471	5071	3461	5625	4946
TUFRunner™ '297'***	5497	-	5750	5624	-	5256	5938	5597	5497	5256	5844	5610
TUFRunner™ '511'***	5184	-	5716	5450	-	5008	4228	4618	5184	5008	4972	5034
Virginia												
Bailey	5591	-	6111	5851	-	5426	3655	4541	5591	5426	4883	5196
Florida Fancy**	4900	-	5796	5348	-	4767	4931	4849	4900	4767	5364	5099
Walton**	5502	-	-	-	-	4953	-	-	5502	4953	-	-
C.V.	7		12	10		10	9	10	7	10	11	10
LSD(0.05)	484		896	504		687	705	487	484	687	565	349

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