

## Peanut Variety Performance in Florida 2022 through 2024.

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 across the UF-IFAS Research and Education Centers located in the peanut growing regions of Florida. 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 as well as crop rotation. In 2024, the non-irrigated tests in Jay and Live Oak were lost due to inclement weather. The 2024 results are from irrigated tests in Marianna, Live Oak and Citra and a non-irrigated test in Marianna.

Table 1. Pod yield performance and TSMK grade of runner market-type cultivars in **irrigated** tests in 3-4 locations in Florida over the past three years (2022-2024).

Runner types	Irrigated			Non-Irrigated			All Tests		
	2024	2yr Avg	3yr Avg	2024	2yr Avg	3yr Avg	2024	2yr Avg	3yr Avg
	----- pod yield (lbs./A) -----								
ACI 222	6674	-	-	7516	-	-	6882	-	-
ACI N104	6400	6604	-	5915	4779	-	6279	5552	5631
Arnie	7139	7602	7779	7866	5951	5837	7318	6633	6824
AU-NPL 17**	7069	7328	7347	7231	4983	5195	7113	6017	6285
FloRun™ '331'***	7781	7988	7952	6728	5993	5804	7518	6851	6890
FloRun™ '52N'	6677	7334	7299	7644	5785	5639	6919	6419	6481
FloRun™ 'T61'***	6716	7200	7327	6407	5455	5350	6639	6186	6350
Georgia-06G	7000	7381	7255	7237	5579	5243	7057	6317	6271
Georgia-12Y	7514	7939	7453	5644	4784	5020	7047	6221	6248
Georgia-16HO**	7524	7535	7344	6647	5360	5340	7305	6306	6356
Georgia-20VHO	6180	7008	-	7728	5690	-	6570	6211	6289
Georgia-21GR	7072	-	-	7347	-	-	7140	-	-
Georgia-22MPR	6740	-	-	7031	-	-	6813	-	-
IPG-913	5984	-	-	-	-	-	-	-	-
Tif-CB7	7144	-	-	6908	-	-	7085	-	-
TifNV-HG	7722	7814	-	8177	5721	-	7836	6608	6684
TifNV-High O/L**	7132	7355	7068	7025	5320	5409	7108	6199	6254
TUFRunner™ '297'***	7650	7771	7523	7146	5716	5582	7524	6603	6565
LSD(0.05)	179	150	149	464	203	169	173	125	130

\*\* High Oleic

Table 2. Pod yield and grade performance of runner market-type cultivars in two to three **irrigated** locations in Florida over the past four years (2021-2024).

Name	Maturity	pod yield (lbs./A)				TSMK (%)†			
		2024	2-YR	3-YR	4-YR	2024	2-YR	3-YR	4-YR
ACI 222	M	6674	-	-	-	72.7	-	-	-
ACI N104	M	6400	6604	-	-	72.3	68.8	-	-
Arnie	M	7139	7602	7779	-	75.1	71.3	76.9	-
AU-NPL 17**	M	7069	7328	7347	6916	73.3	69.6	75.0	75.6
FloRun™ '331**	M	7781	7988	7952	7650	73.5	69.4	74.9	75.5
FloRun™ '52N'	M	6677	7334	7299	7012	76.0	71.9	76.4	77.0
FloRun™ 'T61**	ML	6716	7200	7327	7108	73.8	69.6	75.3	75.9
Georgia-06G	M	7000	7381	7255	6838	76.1	71.5	76.8	77.3
Georgia-12Y	L	7514	7939	7453	7209	72.4	68.6	73.8	74.2
Georgia-16HO**	M	7524	7535	7344	7108	76.2	71.8	77.3	77.9
Georgia-20VHO	M	6180	7008	-	-	77.1	72.7	-	-
Georgia-21GR	M	7072	-	-	-	76.1	-	-	-
Georgia-22MPR	ML	6740	-	-	-	73.4	-	-	-
IPG-913	M	5984	-	-	-	74.7	-	-	-
Tif-CB7	M	7144	-	-	-	75.3	-	-	-
TifNV-HG	M	7722	7814	-	-	73.4	69.3	-	-
TifNV-High O/L**	M	7132	7355	7068	6776	74.1	69.5	74.8	75.3
TUFRunner™ '297**	M	7650	7771	7523	7140	73.8	69.7	75.2	75.4
LSD(0.05)		179	150	149	132	0.4	0.3	0.3	0.3

\*\* High Oleic

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

Table 3. Performance of runner market-types in individual seasons and locations under **irrigated** conditions in Florida during 2021-2024.

Irrigated Name	Marianna				Gainesville				Live Oak				Overall			
	2024	2023	2022	2021	2024	2023	2022	2021	2024	2023	2022	2021	2024	2023	2022	2021
<b>Runner</b>	----- pod yield (lbs./A) -----															
ACI 222	7225	-	-	-	7519	-	-	-	5277	-	-	-	6674	-	-	-
ACI N104	6735	5768	-	-	7397	7208	-	-	5068	7445	-	-	6400	6807	-	-
Arnie	7548	7402	6210	-	7526	8544	9756	-	6343	8246	8437	-	7139	8064	8134	-
AU-NPL 17**	7338	6632	5378	4694	8982	8234	8806	5274	4888	7931	7938	6954	7069	7599	7374	5641
FloRun™ '331'***	8148	7202	5090	4987	8914	8623	9810	7463	6282	8779	8828	7832	7781	8200	7909	6761
FloRun™ '52N'	7493	7026	5333	5383	7110	8444	9304	5099	5426	8506	7549	8103	6677	7992	7396	6195
FloRun™ 'T61'***	7722	6965	6130	5681	7615	8402	8502	6435	4811	7809	7957	7157	6716	7727	7530	6424
Georgia-06G	7695	6886	5073	4578	8161	8078	7984	5974	5145	8461	8027	6321	7000	7809	7028	5624
Georgia-12Y	7723	7935	5342	6297	8138	8505	6761	5976	6682	8869	7407	7302	7514	8437	6503	6537
Georgia-16HO**	8000	6168	5716	5582	8618	8111	7672	6467	5954	8213	7591	7134	7524	7495	6993	6394
Georgia-20VHO	7252	7504	-	-	7058	8329	-	-	4230	7902	-	-	6180	7912	-	-
Georgia-21GR	6880	-	-	-	8134	-	-	-	6202	-	-	-	7072	-	-	-
Georgia-22MPR	7343	-	-	-	7523	-	-	-	5354	-	-	-	6740	-	-	-
IPG-913	7080	-	-	-	-	-	-	-	4888	-	-	-	5984	-	-	-
Tif-CB7	7482	-	-	-	7990	-	-	-	5959	-	-	-	7144	-	-	-
TifNV-HG	8170	6490	-	-	8593	8113	-	-	6403	9112	-	-	7722	7905	-	-
TifNV-High O/L**	8003	6632	4742	5118	7860	7780	6905	5645	5534	8324	7832	6919	7132	7578	6493	5906
TUFRunner™ '297'***	8015	6311	4479	5604	8626	9009	8471	5724	6309	8355	8134	6640	7650	7892	7028	5989
<b>Virginia</b>																
Bailey	-	6277	5630	4880	-	8456	6459	6333	-	8489	7829	6489	-	7741	6639	5901
Walton**	-	6230	4914	4693	-	8491	9202	7132	-	8455	7512	7172	-	7723	7209	6332
<b>LSD(0.05)</b>	279	434	317	296	405	344	634	367	224	399	491	253	179	224	284	177

\*\* High Oleic

Table 4. Performance of runner market-types in individual seasons and locations under **non-irrigated** conditions in Florida during 2021-2024.

Non-Irrigated Name	Marianna				Live Oak/Gainesville				Jay				Overall			
	2024	2023	2022	2021	2024	2023	2022	2021	2024	2023	2022	2021	2024	2023	2022	2021
<b>Runner</b>	----- pod yield (lbs./A) -----															
ACI 222	7516	-	-	-	-	5665	-	-	-	-	-	-	7516	-	-	-
ACI N104	5915	5355	-	-	-	6182	-	-	-	2045	-	-	5915	4527	-	-
Arnie	7866	7013	3758	-	-	6714	7290	-	-	3271	5559	-	7866	5666	5536	-
AU-NPL 17**	7231	6561	4291	5073	-	5815	6379	4392	-	1792	5202	5519	7231	4723	5291	4995
FloRun™ '331'***	6728	7171	4234	4803	-	7257	6500	5198	-	3304	5781	6654	6728	5911	5502	5552
FloRun™ '52N'	7644	6696	5163	5331	-	7069	7167	4566	-	2647	4018	5064	7644	5471	5467	4987
FloRun™ 'T61'***	6407	6507	4053	4446	-	6701	7164	5011	-	2740	4185	6120	6407	5316	5134	5192
Georgia-06G	7237	5935	5259	3871	-	7162	5780	5122	-	2588	4448	3795	7237	5232	5180	4263
Georgia-12Y	5644	6491	5087	5394	-	5387	5998	4548	-	2430	5063	4900	5644	4769	5401	4947
Georgia-16HO**	6647	6642	4090	5208	-	6168	7029	4763	-	2799	4448	5146	6647	5203	5213	5039
Georgia-20VHO	7728	6226	-	-	-	6939	-	-	-	2792	-	-	7728	5319	-	-
Georgia-21GR	7347	-	-	-	-	-	-	-	-	-	-	-	7347	-	-	-
Georgia-22MPR	7031	-	-	-	-	-	-	-	-	-	-	-	7031	-	-	-
Tif-CB7	6908	-	-	-	-	-	-	-	-	-	-	-	6908	-	-	-
TifNV-HG	8177	6187	-	-	-	6899	-	-	-	2599	-	-	8177	5232	-	-
TifNV-High O/L**	7025	6573	4451	4816	-	6558	6485	5183	-	2136	5274	4423	7025	5089	5403	4807
TUFRunner™ '297'***	7146	6862	5839	3731	-	6658	6633	5266	-	3018	4161	5371	7146	5513	5562	4789
<b>Virginia</b>																
Bailey	5770	7290	5360	5028	-	5742	7099	5295	-	3576	4106	5140	5770	5536	5522	5154
Walton**	5522	7080	5761	3640	-	5992	7402	5821	-	2792	4222	3915	5522	5288	5795	4459
<b>LSD(0.05)</b>	464	392	419	366	-	417	464	200	-	307	479	797	464	216	261	296

\*\*High Oleic

Table 5 is the 2025 Peanut Rx variety risk point table and shows the relative risk of losses from three major diseases in the southeastern USA and includes the varieties resistant to root-knot nematode. Five new varieties were added in 2025 and are highlighted in bold font. Among those five are three new varieties with improved resistance to a disease or to nematodes. The variety CB-7 has better than average resistance to late leaf spot, but results across the southeast have been variable, so caution is warranted if a reduced fungicide program is implemented. In Florida, CB-7 has been similar to Georgia-12Y for reaction to late leaf spot. The variety Arnie has outstanding resistance to spotted wilt and results show that it has performed better than Georgia-12Y in severe spotted wilt epidemics. The variety Georgia-22MPR has resistance to root knot nematode adding another option for growers dealing with that problem. The tool can be accessed online at [2024 Peanut Rx Interactive Analysis Tool](#).

**Table 5. The 2025 Peanut Rx variety risk point table; higher points means higher risk of loss from disease.**

Variety <sup>1</sup>	Spotted Wilt Points	Leaf Spot Points	White mold points	Resistance Root-knot Nematode
<b>Arnie<sup>1</sup></b>	<b>5</b>	<b>20</b>	<b>20</b>	<b>Susceptible</b>
AU NPL 17 <sup>2</sup>	10	15	15	Susceptible
Bailey <sup>2,3</sup>	10	25	10	Susceptible
<b>CB-7<sup>1,2,7</sup></b>	<b>10</b>	<b>15</b>	<b>25</b>	<b>Susceptible</b>
Florida Fancy <sup>2</sup>	25	20	20	Susceptible
FloRun <sup>TM</sup> 52N <sup>1</sup>	15	20	20	Susceptible
FloRun <sup>TM</sup> '331' <sup>2</sup>	20	20	15	Susceptible
FloRun <sup>TM</sup> T61 <sup>1,2</sup>	10	25	15	Susceptible
Georgia-06G	10	20	20	Susceptible
Georgia-09B <sup>2</sup>	20	25	25	Susceptible
Georgia-12Y <sup>5</sup>	5	15	10	Susceptible
Georgia-14N <sup>2,4</sup>	10	15	15	Resistant
Georgia-16HO <sup>2</sup>	10	25	20	Susceptible
Georgia-18RU	15	25	20	Susceptible
Georgia-20VHO <sup>1,2</sup>	10	20	20	Susceptible
<b>Georgia-21GR<sup>1</sup></b>	<b>10</b>	<b>20</b>	<b>20</b>	<b>Susceptible</b>
<b>Georgia-22MPR<sup>1,2,4</sup></b>	<b>10</b>	<b>20</b>	<b>20</b>	<b>Resistant</b>
Georgia Green <sup>6</sup>	30	20	25	Susceptible
<b>IPG 913<sup>1</sup></b>	<b>10</b>	<b>20</b>	<b>20</b>	<b>Susceptible</b>
Sullivan <sup>2</sup>	10	25	15	Susceptible
TifNV-HG <sup>1,2,4</sup>	10	20	20	Resistant
TifNV-HiOL <sup>2,4</sup>	10	15	15	Resistant
TUFRunner <sup>TM</sup> '297' <sup>2</sup>	10	25	20	Susceptible
TUFRunner <sup>TM</sup> '511' <sup>2,6</sup>	20	30	15	Susceptible

<sup>1</sup>Adequate research data is not available for all varieties with regards to all diseases. Additional varieties will be included as data to support the assignment of an index value are available.

<sup>2</sup>High oleic variety.

<sup>3</sup>Variety Bailey II is similar in characteristics to 'Bailey' but is a high oleic chemistry. I also has increased resistance to *Cylindrocladium black rot* (CBR) as compared to other varieties commonly planted in Georgia.

<sup>4</sup>Tifguard, TifNV-HiOL, TifNV-HG, Georgia 14-N, and Georgia-22MPR have excellent resistance to the peanut root-knot nematode.

<sup>5</sup>*Georgia-12Y appears to have increased risk to Rhizoctonia limb rot and precautions should be taken to protect against this disease.*

<sup>6</sup>*These varieties are rarely grown commercially but remain embedded in Peanut Rx as historic examples of how resistance to tomato spotted wilt disease and other diseases have changed over time.*

<sup>7</sup>*We continue to evaluate CB7 for full understanding of its leaf spot resistance as results have varied in some peanut production areas in the Southeast*