

**TUFRunner™ ‘511’**

TUFRunner™ ‘511’ is a large seeded, high oleic runner peanut variety with excellent yield and grade potential under intensive management. It has very good tolerance to white mold, moderate tolerance to spotted wilt and is susceptible to leaf spot. Late planting (after May 31) should be avoided to minimize leaf spot risk. Using fungicides with *both* systemic and protective activity against leaf spot will provide the best results with TUFRunner™ ‘511’.

<b>Summary of the Characteristics of TUFRunner™ ‘511’</b>	
<b>Category</b>	<b>Characteristics</b>
Pod Yield Potential	Excellent: 2.5 to 3+ tons/acre under irrigation across Florida
Grade Potential (TSMK %)	Excellent: about 77-79% TSMK on average
Seed Size	Large: about 550-600 seeds per pound
Maturity	Medium; about 140 days under irrigation; 2500 aGDD (adjusted Growing Degree Days)
Growth Habit	Average center stem at digging; will benefit from GPS guidance
Area of Adaptation	<b>Primary:</b> Alabama, Florida, Georgia, Mississippi, South Carolina, and Southern Texas.
	<b>Secondary:</b> Has performed well in Texas high plains, Oklahoma, North Carolina and Virginia, but maturity is longer than optimum for more northerly latitudes. Should be irrigated and planted as early as possible if planted in these secondary locations.
Disease Management	<b>Spotted Wilt:</b> moderately susceptible 1) avoid planting before May 10 2) use Thimet in-furrow 3) plant to achieve a stand of 4 plants per foot of row 4) plant in twin rows if possible
	<b>White Mold:</b> moderately resistant
	<b>Leaf Spot:</b> susceptible 1) avoid planting after May 31 2) insure a complete leaf spot control program with <b>BOTH</b> systemic and protectant activity 3) BE SURE TO ROTATE fungicides- avoid using the same fungicide Mode of Action for more than two consecutive sprays; for example, Group 11 fungicides could be rotated with Group 3 and/or Group 7 fungicides, as well as Group M.
Overall Management Strategy	TUFRunner™ ‘511’ is highly suited to intensive management situations intended to maximize pod yield and in which leaf spot is well controlled and spotted wilt risk is minimal.

## Peanut Variety Fact Sheet

Each year, peanut cultivars are evaluated across the state of Florida in both small plots and large-scale, on-farm demonstration plots. Tables 1 and 2 show the results from two to four years of small plot testing in three or four Florida locations.

Table 1. Performance of runner market-type peanut varieties in two to three irrigated locations in Florida over the past four years (2014-2017). Entries are sorted by maturity and the four year average yield (in descending order).

Name	Maturity*	YIELD (lbs./acre)				TSMK (%)				TSWV (1-10)***				Leafspot (1-10)***			
		2017	2-YR†	3-YR††	4-YR†††	2017	2-YR	3-YR	4-YR	2017	2-YR	3-YR	4-YR	2017	2-YR	3-YR	4-YR
FloRun™ '331'***	M	6132	6414	6733	6678	78.0	78.0	78.1	77.2	2.7	1.5	1.5	1.4	3.2	1.6	2.4	1.9
TUFRunner™ '297'***	M	6519	6528	6713	6669	79.8	79.0	78.6	78.3	1.7	1.3	1.2	1.3	3.9	1.8	2.8	2.2
Georgia-06G	M	6216	6358	6608	6652	80.3	79.9	80.1	79.5	1.7	1.4	1.3	1.2	3.3	1.5	2.1	1.7
TUFRunner™ '511'***	M	5977	6372	6505	6518	78.5	78.7	78.6	78.4	2.7	1.6	1.5	1.6	5.7	3.7	3.8	2.9
Georgia-12Y	ML	6212	6426	6544	6503	76.5	76.6	76.7	76.2	1.2	1.1	1.1	1.1	2.5	1.3	1.9	1.8
Georgia-09B**	M	5700	5754	5954	6047	80.8	79.9	80.0	80.1	2.3	1.5	1.4	1.4	4.0	2.3	2.7	2.2
Florida-07**	M	5500	5755	6076	6014	76.2	75.7	75.8	75.0	1.5	1.3	1.3	1.3	2.9	1.3	2.3	1.9
Tifguard	M	5454	5485	5728	5728	79.9	79.6	79.5	78.9	1.5	1.4	1.3	1.4	3.8	1.6	2.2	1.9
TifNV-High O/L**	M	5633	6086	6148		77.5	77.5	77.5		2.2	1.3	1.3		3.4	1.7	2.1	
Georgia-16HO**	M	6807				80.2				1.8				3.6			
AU-NPL 17**	M	6207				76.4				1.0				3.4			
Georgia-14N**	ML	5148				81.3				1.7				3.2			
C.V.		8	8	8	8	1.3	1.2	1.6	1.7	44.5	27.8	28.3	31.6	15.9	30.6	25.5	28.3
LSD		390	283	232	207	1.1	0.6	0.8	0.7	1.1	0.2	0.2	0.2	0.5	0.3	0.3	0.3

Table 2. Performance of runner market-type peanut varieties in two to three non-irrigated locations in Florida over the past four years (2014-2017). Entries are sorted by maturity and the four year average yield (in descending order).

Name	Maturity*	YIELD (lbs./acre)				TSWV (1-10)***				Leafspot (1-10)***			
		2017	2-YR†	3-YR††	4-YR†††	2017	2-YR	3-YR	4-YR	2017	2-YR	3-YR	4-YR
FloRun™ '331'***	M	5283	5159	5359	5496	1.0	1.3	1.2	1.2	4.7	4.5	3.8	3.6
Georgia-12Y	ML	4724	4643	4858	5077	1.0	1.2	1.1	1.1	4.0	3.8	3.4	3.0
TUFRunner™ '297'***	M	4205	4537	4817	4963	1.0	1.0	1.0	1.0	5.7	5.0	4.1	3.6
TUFRunner™ '511'***	M	4589	4507	4684	4807	1.0	1.0	-	1.0	6.7	6.2	-	4.7
Georgia-06G	M	4119	4480	4740	4750	1.0	1.2	1.1	1.1	5.0	4.2	3.2	2.8
Florida-07**	M	4174	4392	4535	4538	1.0	1.3	1.2	1.2	4.7	4.3	3.6	3.1
Tifguard	M	3807	3966	4190	4322	1.0	1.3	1.3	1.3	5.7	5.0	4.0	3.3
Georgia-09B**	M	3826	4048	4236	4314	1.0	1.0	1.2	1.2	5.0	5.0	4.2	3.9
TifNV-High O/L**	M	4533	4587	4759		1.0	1.0	1.1		5.0	4.3	3.4	
Georgia-16HO**	M	4601								5.3			
Georgia-14N**	ML	4244								4.7			
AU-NPL 17**	M	4166								5.3			
C.V.		11	11	11	11		36.2	42.1	41.1	9.5	10.9	13.6	15.5
LSD		353	266	200	203		0.4	0.3	0.2	0.2	0.4	0.3	0.3

\*\*High oleic

† Average of 2016 and 2017 test data.

†† Average of 2015, 2016, and 2017 test data.

††† Average of 2014, 2015, 2016 and 2017 test data.