

**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 1 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) avoid using Propiconazole fungicides as a single mode of action against leaf spot in any given spray; for example, a Chlorothalonil fungicide or other another leaf spot fungicide should be mixed with a Propiconazole fungicide 4) BE SURE TO ROTATE, 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.

**TUFRunner™ ‘727’**

TUFRunner™ ‘727’ is a medium to large seeded, high oleic runner peanut variety with good tolerance to late leaf spot and white mold. It has very good yield potential and excellent grade potential. Its resistance to leaf spot and white mold make it a candidate for situations where reduced fungicide applications are desired such as fields with a low or moderate risk of leaf spot and white mold that qualify for low or moderate risk fungicide programs based on Peanut Rx.

<b>Summary of the Characteristics of TUFRunner™ ‘727’</b>	
<b>Category</b>	<b>Characteristics</b>
Pod Yield Potential	Very Good: 2.5 to 2.75 tons/acre under irrigation across Florida
Grade Potential (TSMK %)	Excellent: about 75-78% TSMK on average
Seed Size	Medium: Large- about 600-650 seeds per pound
Maturity	Medium; about 145 days under irrigation; 2500+ aGDD (adjusted Growing Degree Days)
Growth Habit	Large vines in some cases, with a prominent center stem at digging;
Area of Adaptation	Alabama, Florida, Georgia, Mississippi, South Carolina, and Southern Texas.
Disease Management	<b>Spotted Wilt:</b> moderately susceptible 1) avoid planting before May 1 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> moderately resistant 1) Can perform well with Chlorothalonil as the primary leaf spot fungicide when it is applied in a timely manner.
Overall Management Strategy	TUFRunner™ ‘727’ is suited to intensive management situations intended to maximize pod yield. Additionally, its resistance to leaf spot and white mold make it a candidate for situations where reduced fungicide applications are desired such as fields with a low or moderate risk of leaf spot and white mold that qualify for low or moderate risk fungicide programs based on Peanut Rx.

**FloRun™ ‘107’**

FloRun™ ‘107’ is a medium seeded, high oleic runner peanut variety with excellent yield potential and very good grade potential. It has moderate resistance to TSWV and is susceptible to leaf spot and white mold. It is best suited for intensive management situations where leaf spot and white mold are well controlled.

<b>Summary of the Characteristics of FloRun™ ‘107’</b>	
<b>Category</b>	<b>Characteristics</b>
Pod Yield Potential	Excellent: 2.5 to 3 tons/acre under irrigation across Florida
Grade Potential (TSMK %)	Very Good: about 73-76% TSMK on average
Seed Size	Medium- about 650-700 seeds per pound
Maturity	Medium; about 140 days under irrigation; 2500 aGDD (adjusted Growing Degree Days)
Growth Habit	Moderate size vines with a prominent center stem at digging
Area of Adaptation	Alabama, Florida, Georgia, Mississippi, South Carolina, and Southern Texas.
Disease Management	<b>Spotted Wilt:</b> moderately resistant 1) if planting prior to May 1 use Thimet in-furrow 2) plant to achieve a stand of 4 plants per foot of row 3) plant in twin rows if possible
	<b>White Mold:</b> susceptible 1) use fungicides with excellent activity against white mold
	<b>Leaf Spot:</b> Susceptible 1) insure a complete leaf spot control program using fungicides with <b>BOTH</b> systemic and protectant activity
Overall Management Strategy	FloRun™ ‘107’ is suited to intensive management situations intended to maximize pod yield. Control of both leaf spot and especially white mold is important to realizing maximum productivity.

**Florida-07**

Florida-07 is a large seeded, high oleic runner peanut variety with excellent yield potential and good grade potential. It has moderate resistance to TSWV and white mold and is susceptible to leaf spot. It is best suited for intensive management situations where leaf spot is well controlled.

<b>Summary of the Characteristics of Florida-07</b>	
<b>Category</b>	<b>Characteristics</b>
Pod Yield Potential	Excellent: 2.5 to 3 tons/acre under irrigation across Florida
Grade Potential (TSMK %)	Good: about 73-75% 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	Moderate size vines with a prominent center stem at digging
Area of Adaptation	Alabama, Florida, Georgia, Mississippi, South Carolina, and Southern Texas.
Disease Management	<p><b>Spotted Wilt:</b> moderately resistant</p> <ol style="list-style-type: none"> <li>1) if planting prior to May 1 use Thimet in-furrow</li> <li>2) plant to achieve a stand of 4 plants per foot of row</li> <li>3) plant in twin rows if possible</li> </ol>
	<p><b>White Mold:</b> moderately susceptible</p> <ol style="list-style-type: none"> <li>1) use fungicides with good to excellent activity against white mold</li> </ol>
	<p><b>Leaf Spot:</b> Susceptible</p> <ol style="list-style-type: none"> <li>1) insure a complete leaf spot control program with <b>BOTH</b> systemic and protectant activity</li> </ol>
Overall Management Strategy	Florida-07 is suited to intensive management situations intended to maximize pod yield. Control of leaf spot and white mold is important to realizing maximum productivity.

## 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. Table 1 shows the results from four years of small plot testing in three Florida locations. Figure 1 shows the results of the 2014 on-farm demonstration tests in Florida.

Table 1. Performance of runner market-type peanut varieties in two or three Florida locations over the past four years (2011-2014). Entries are sorted by maturity and the four year average yield (in descending order).

Name	Maturity*	YIELD (lbs./acre)				TSMK (%)				TSWV (1-10)***			
		2014	2-YR†	3-YR††	4-YR†††	2014	2-YR	3-YR	4-YR	2014	2-YR	3-YR	4-YR
TUFRunner™ '297' **	M	6305	6043	6231	6337	77.5	77.4	77.7	77.8	1.4	1.3	1.3	1.3
TUFRunner™ '511' **	M	6274	5921	6090	6234	77.5	78.2	78.7	78.6	1.6	1.5	1.3	1.4
Georgia-07W	M	6595	5977	6085	5995	77.7	77.4	78.1	78.3	1.2	1.2	1.2	1.2
Georgia-06G	M	6176	5850	5867	5959	77.8	78.6	79.1	79.1	1.0	1.2	1.2	1.2
FloRun™ '107' **	M	5637	5448	5828	5925	75.1	74.9	76.1	76.2	1.5	1.4	1.4	1.4
Florida-07 **	M	5344	5376	5667	5813	72.9	73.9	74.3	74.5	1.2	1.3	1.3	1.3
Georgia-09B **	M	5930	5644	5753	5771	78.0	78.7	79.2	78.9	1.2	1.2	1.2	1.4
TUFRunner™ '727' **	M	5509	5448	5664	5754	74.6	76.5	77.2	77.5	1.5	1.4	1.3	1.2
Georgia Greener	M	5692	5477	5427	5644	78.0	77.7	78.5	78.8	1.2	1.3	1.3	1.3
Tifguard	M	5570	5176	5356	5362	77.1	77.3	77.7	77.6	1.3	1.2	1.2	1.2
Georgia-12Y	M	6416	6189			74.6	76.0			1.1	1.1		
Georgia-13M **	M	5928				75.9				1.2			
C.V.		10	8	9	8	1.6	1.7	1.5	1.6	39.8	34.1	33.4	33.4
LSD		805	347	343	307	2.1	1.5	1.1	0.9	0.7	0.4	0.3	0.3

\* Maturity in Florida under irrigation is about 140 days. TUFRunner™ '727 and Georgia-12Y are about 5-7 days later than the others.

\*\* High Oleic

† Average of 2013 and 2014; †† Average of 2012, 2013, and 2014; ††† Average of 2011, 2012, 2013, and 2014.

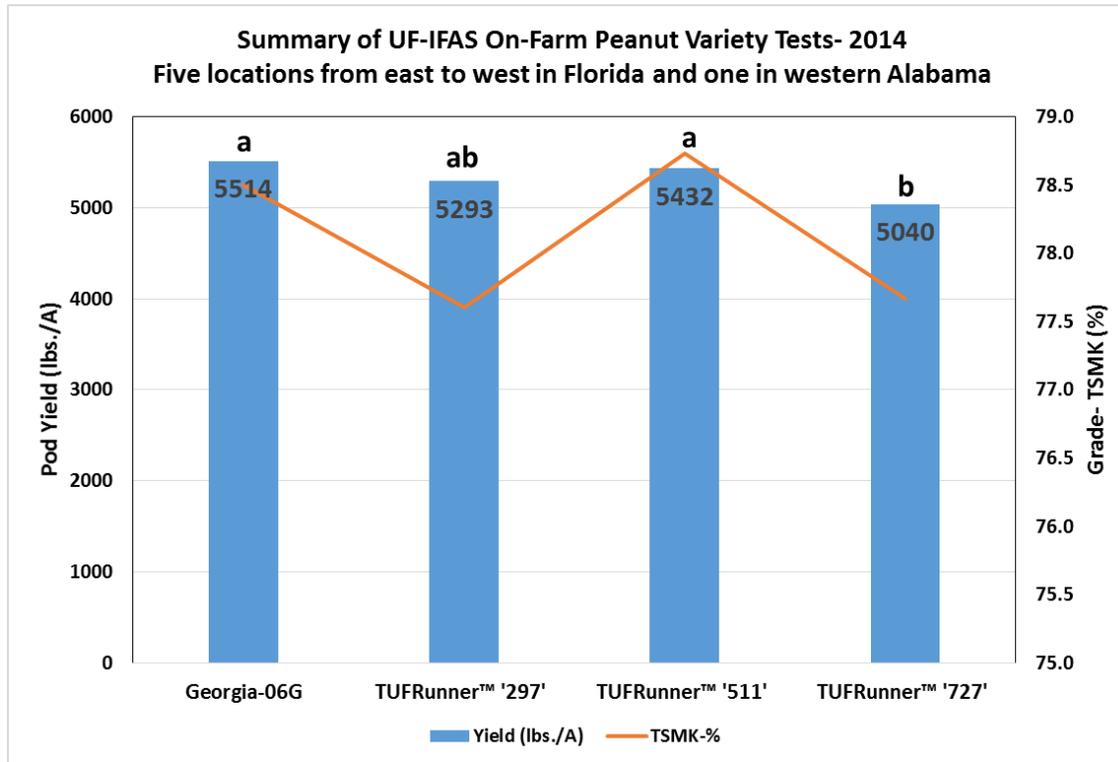


Figure 1. Average yield and grade of four peanut cultivars tested in five locations in Florida and one location in Alabama in 2014. Plots were about on acre to five acres in size in each location. Letters above the bars indicate statistical differences in pod yield. There was no statistical difference among the cultivars for grade (TSMK)