UF Peanut Varieties for 2017 and Beyond

Barry L. Tillman
UF Peanut Varieties

- Latest Releases
  - TUFRunner™ ‘511’
  - TUFRunner™ ‘297’
  - FloRun™ ‘157’
  - FloRun™ ‘331’

- Previous Releases
  - Florida-07
  - FloRun™ ‘107’
  - TUFRunner™ ‘727’
TUFRunner™ ‘511’

- **Large Runner seed size:** 550-600 seed per pound
- **Medium Maturity:** 140 days in FL under irrigation
- **Yield Potential:** Similar to Georgia-06G in FL, GA
- **Grade:** upper 70’s- 76-79% TSMK

**Diseases**
- White mold- moderately resistant and similar to Georgia-07W
- Leaf spot- susceptible and similar to Georgia-09B
- TSWV- moderately resistant and similar to Georgia-09B
TUFRunner™ ‘297’

- **Large Runner seed size**: 550-600 seed per pound
- **Medium Maturity**: 140 days in FL under irrigation
- **Yield Potential**: Similar to Georgia-06G in FL, GA
- **Grade**: mid to upper 70’s- 75-78% TSMK
- **Diseases**
  - White mold- moderately resistant and similar to Georgia-07W
  - Leaf spot- susceptible and similar to Georgia-09B
  - TSWV- moderately resistant and similar to Georgia-09B
**FloRun™ ‘157’**

- **Normal Runner seed size:** 650-700 seed per pound
- **Medium Maturity:** 135 days in FL under irrigation
- **Yield Potential:** Similar to Georgia-09B in FL
- **Grade:** mid to upper 70’s- 75-78% TSMK
- **Diseases**
  - White mold- susceptible and similar to Georgia-06G
  - Leaf spot- susceptible and similar to Georgia-06G
  - TSWV- moderately susceptible and similar to Georgia-09B
FloRun™ ‘331’

- **Normal Runner seed size**: 650-700 seed per pound
- **Medium Maturity**: 140 days in FL under irrigation
- **Yield Potential**: Similar to Georgia-12Y in FL
- **Grade**: mid 70’s- 75-76% TSMK
- **Diseases**
  - White mold- moderately resistant and similar to Georgia-12Y
  - Leaf spot- moderately resistant and similar to Georgia-12Y
  - TSWV- moderately resistant and similar to TUFRunner™ ‘511’
2014-16 University of Florida-4 locations

Similar average yield
257 lbs/A difference
University of Georgia SWVT

2015-2016 University of Georgia Variety Trials - 3 Locations

Pod Yield (lbs./acre)

Similar average yield ≈300 lbs/A difference

**High Oleic**

Non-Irrigated  Irrigated  Average  TSMK

University of Georgia SWVT

University of Georgia SWVT
Mississippi State University SWVT

2015-16 Mississippi State University Variety Trials - 4 Locations

Pod Yield (lbs./acre)

Total Sound Mature Kernels (%)

Similar average yield ≈ 400 lbs/A difference

TufRunner™ '297**
TufRunner™ '511**
Georgia-12Y
Georgia-06G
Georgia-13M**
FloRun™ '107**
Florida-07**
Georgia-09B**
Georgia-14M**
Tifguard

**High Oleic
# Disease Resistance

## Peanut Rx 2017 Version

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Spotted Wilt

Thimet (TH) compared to no Thimet (NT)
Tifton, GA 2016, Dr. Albert Culbreath, UGA
Spotted Wilt incidence (%)

Pod yield (lbs./acre)

Spotted wilt genotype test, Dr. Culbreath, UGA Tifton

- FloRun 331
- TUFRunner 297
- Georgia-06G
- Georgia-12Y
- Georgia-14N

Yield ▼ TSW ▼

Pod yield (lbs./acre) and Spotted wilt incidence (%) for various genotype tests. The graph shows the yield for each genotype compared to the spotted wilt incidence percentage.
White mold tests sprayed with Bravo 7-8 times

2015-2016 University of Florida White Mold Tests

- Inoculated
- Not inoculated

White mold rating (1-10)

Yield (lbs/A)

Similar average yield
523 lbs/A difference
Leaf spot tests- 0, 4, and 8 sprays

2015-16 University of Florida Leafspot Tests

Pod Yield (lbs./Acre)

Leafspot Rating

**High Oleic

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Peanut Field Day- Marianna
August 17, 2017