Managing your favorite peanut variety

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Outline of Topics

- Varieties for 2017- what's available
- Variety Performance
- New Varieties
  - ✓ TUFRunner '297', TUFRunner '511', Georgia-12Y, Georgia-13M, Georgia-14N
- Varieties on the horizon
  - ✓ TifNV-High O/L, FloRun '157', Georgia-16HO, FloRun 331
- Managing varieties
  - ✓ Disease resistance / susceptibility
    - Can we reduce costs?
    - Disease management
      - Cultural practices
      - Fungicides

Seed Availability

Varieties available based on Sheller survey

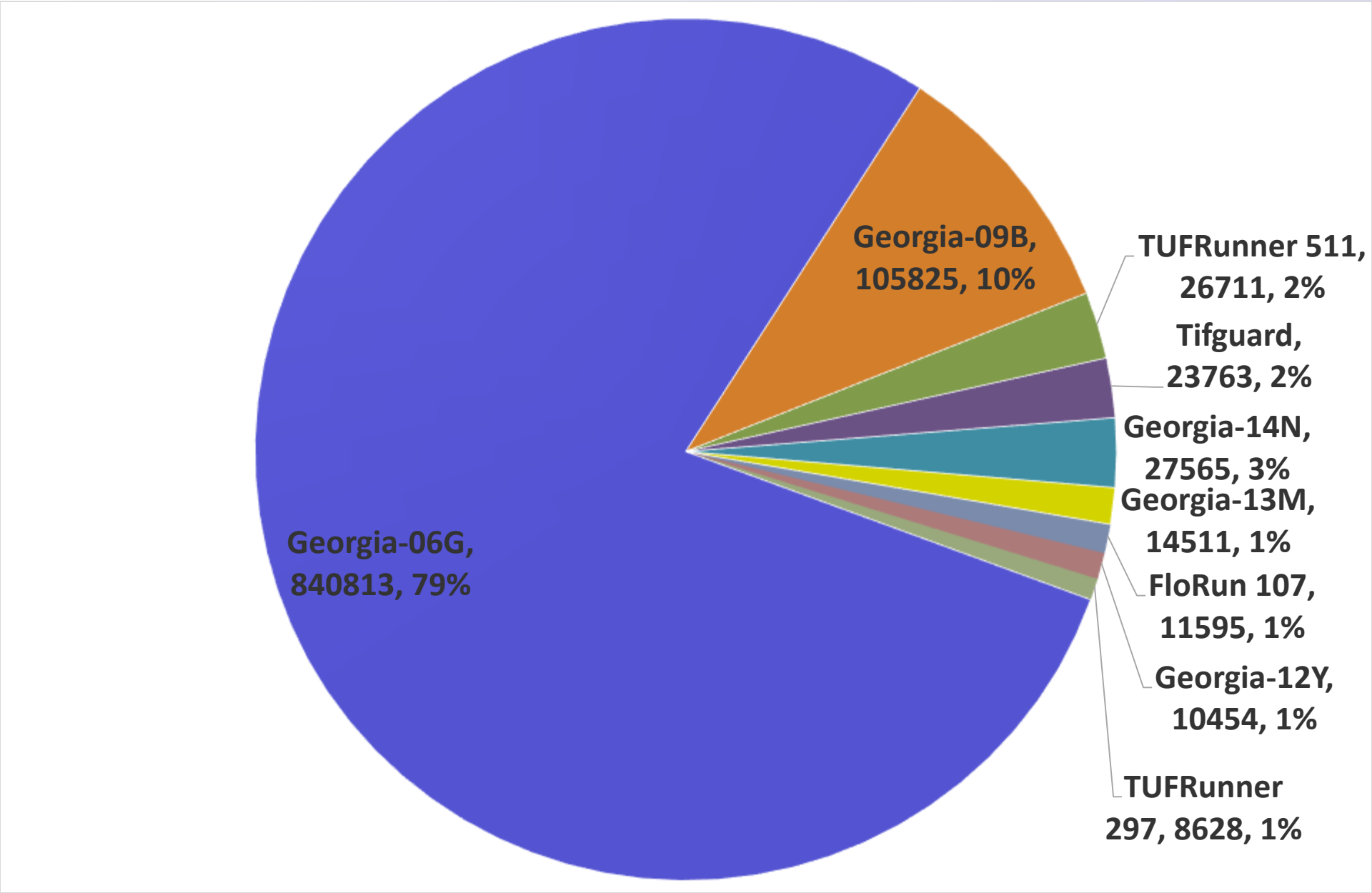
- Birdsong Peanuts
  - Georgia-06G, Georgia-09B, **Georgia-14N**, Tifguard, **TUFRunner™ 297**
- Brooks Peanut Company
  - Georgia-06G, **TUFRunner™ 297, TUFRunner™ 511**
- Forrester Seed
  - Georgia-06G, **Georgia-14N**, **TUFRunner™ '511', TUFRunner™ 297**
- Golden Peanut Company
  - FloRun™ '107', Georgia-06G, Georgia-09B, **Georgia-13M**, **Georga-14N**, **TUFRunner™ '511', TUFRunner™ '297**', Tifguard
- McClesky Mills
  - Georgia-06G, **Geogia-12Y, Georgia-14N**, **TUFRunner™ 297, TUFRunner™ 511**, Tifguard
- R.L. Cunningham
  - Georgia-06G
- Sessions Peanuts
  - Georgia-06G, Georgia-09B, **Georgia-13M**, **Georgia-14N**, **TUFRunner™ '511'**

Estimated Variety Acreage- SE

- Total acreage possible from 2016 certified acreage ≈2.1 million
- Total FSA acreage in AL, FL, GA, MS, AR, LA, MO ≈1.1 million

Variety	2016 Certified	2017 Potential	2017 Percent of potential	2017 Estimated
	Acres			Acres
Georgia-06G	135,464	1,868,473	0.45	840,813
Georgia-09B	10,990	162,807	0.65	105,825
TUFRunner 511	2,152	29,678	0.90	26,711
Tifguard	1,848	26,403	0.90	23,763
Georgia-14N	1,685	30,627	0.90	27,565
Georgia-13M	967	16,123	0.90	14,511
FloRun 107	773	12,883	0.90	11,595
Georgia-12Y	726	11,616	0.90	10,454
TUFRunner 297	719	9,587	0.90	8,628
FloRun 157	214	3,424	0.90	3,082
Georgia-07W	110	1,630	0.90	1,467
Georgia-16HO	18	300	0.90	270
TifNV-High O/L	13	179	0.90	161
		2,173,731		1,074,843

Estimated variety acreage, SE, 2017

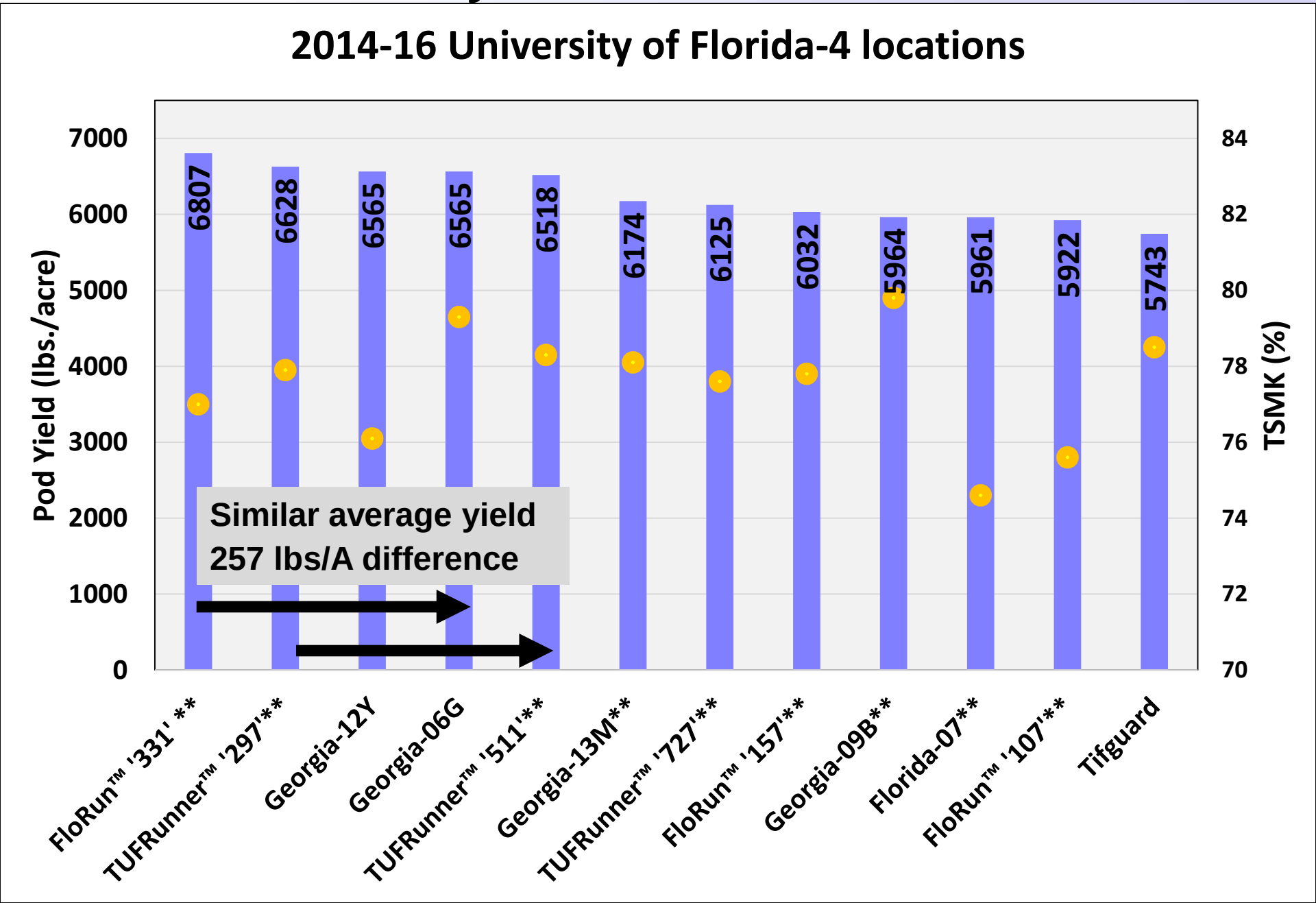


Seed Availability-2017

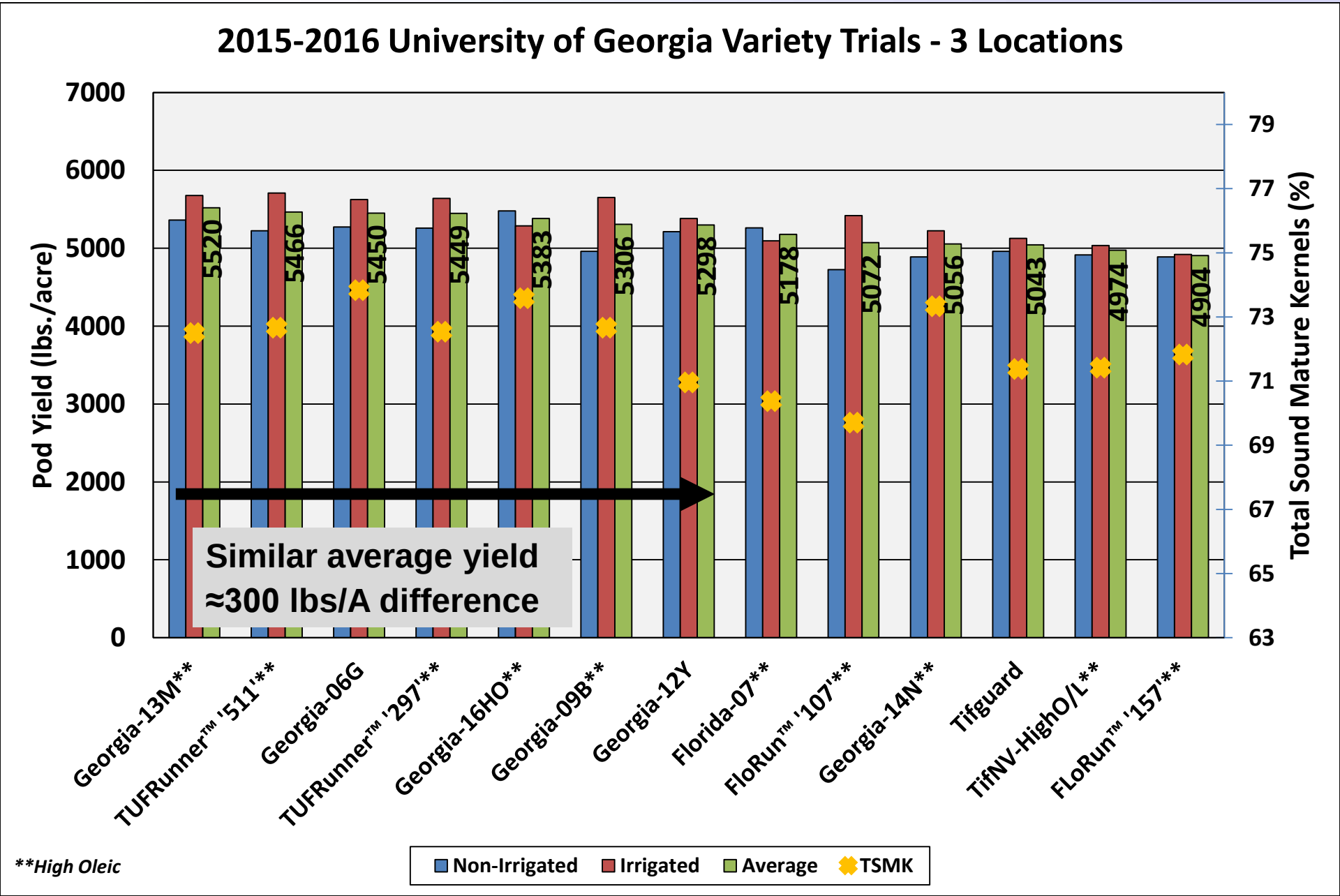
- Plenty of Georgia-06G
- Very limited supply of
  - FloRun 107
  - Georgia-12Y
  - Georgia-13M
  - Georgia-14N
  - Tifguard
  - TUFRunner 511
  - TUFRunner 297
- Seed Increase of
  - FloRun 331
  - FloRun 157
  - Georgia-16HO
  - TifNV-HighO/L

Variety Performance

University of Florida SWVT



University of Georgia SWVT



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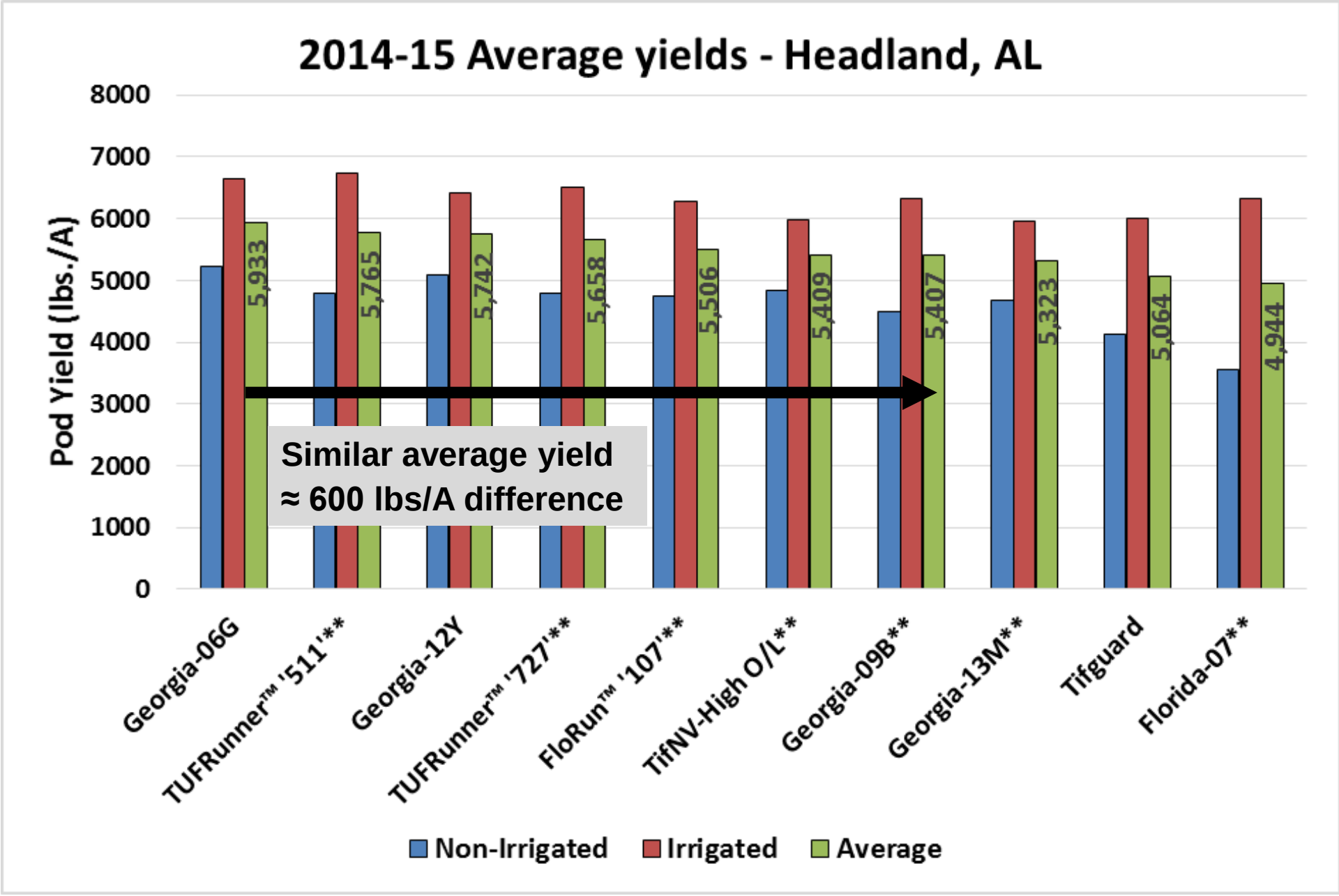
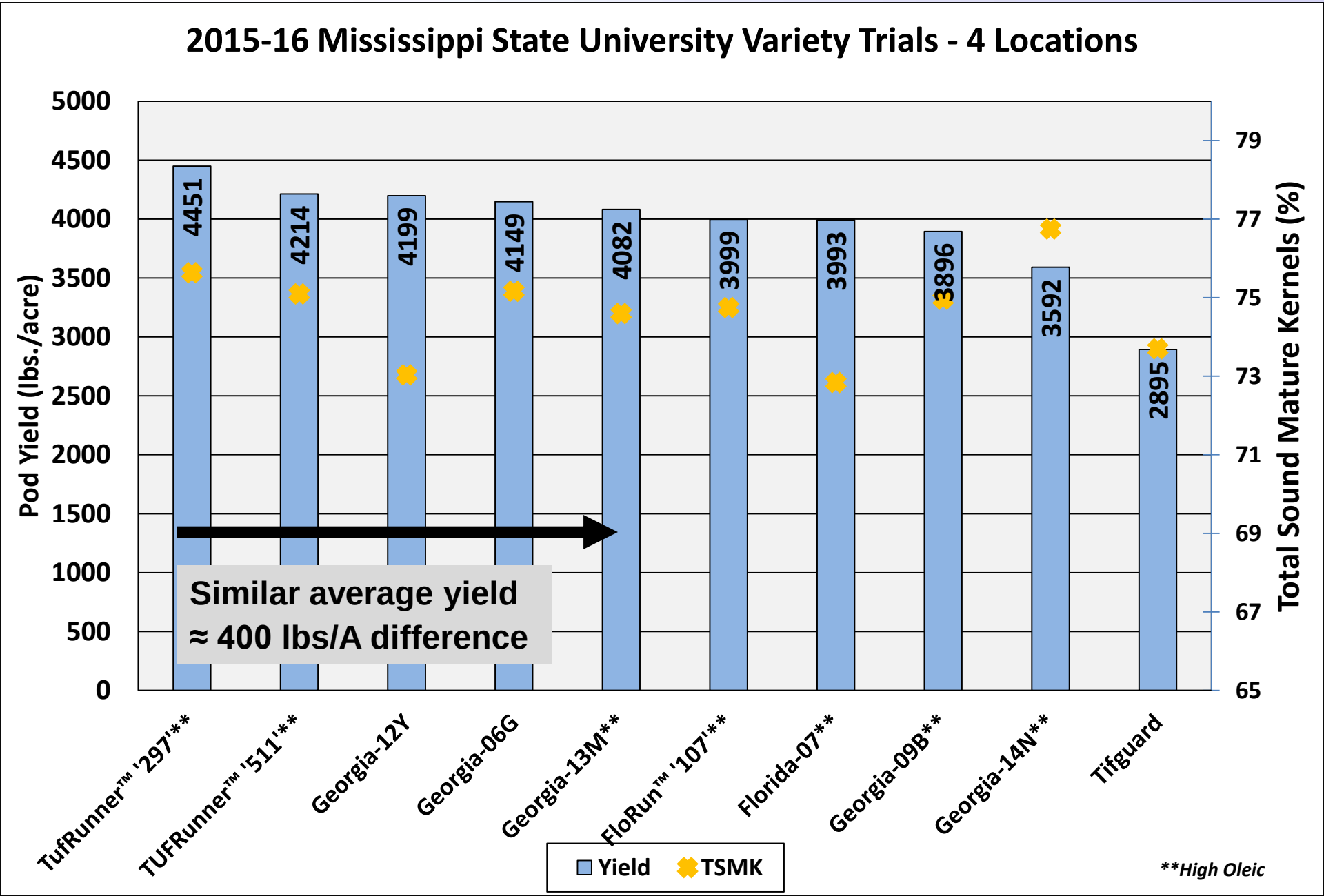
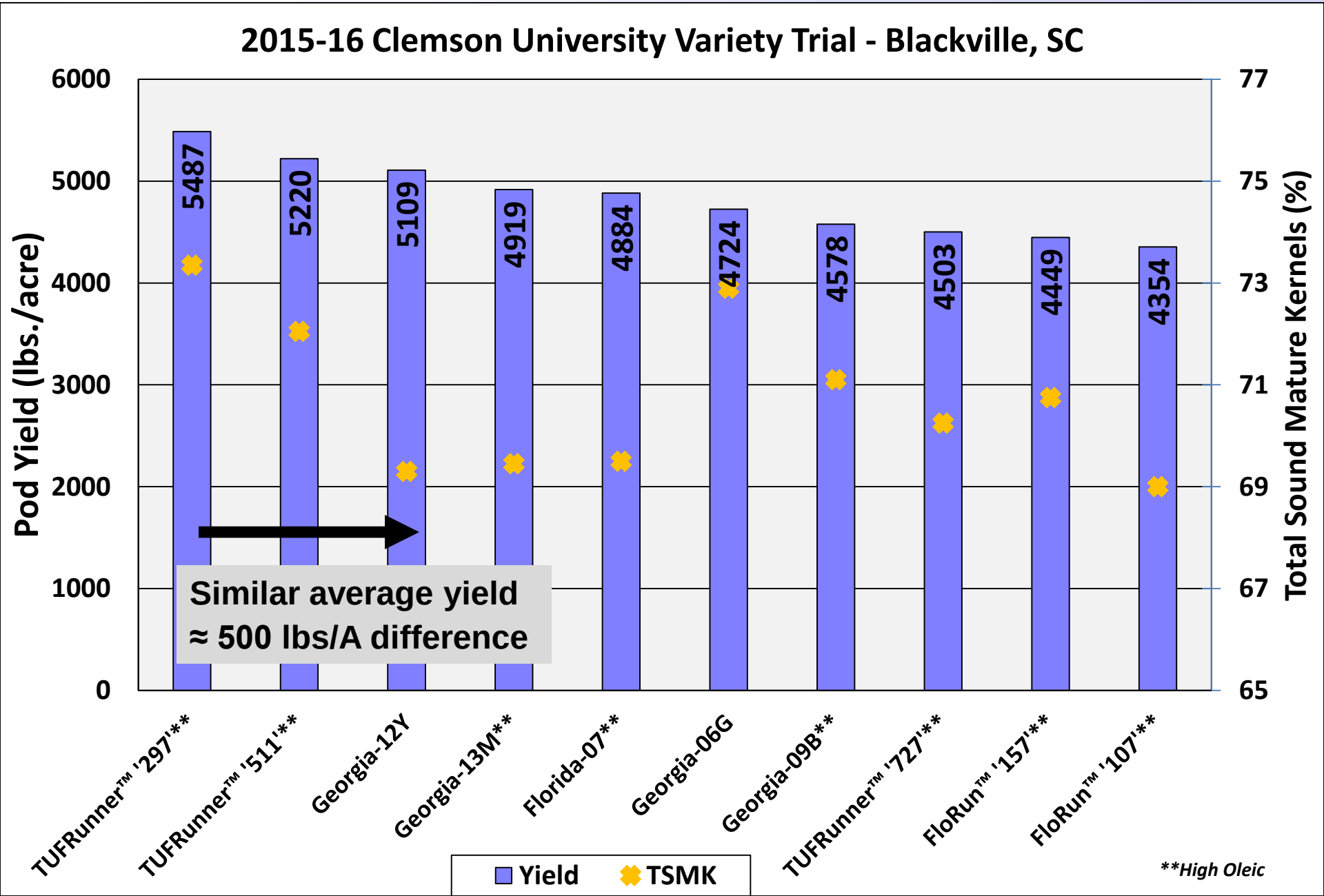
Auburn University VT



Mississippi State University SWVT



Clemson University VT



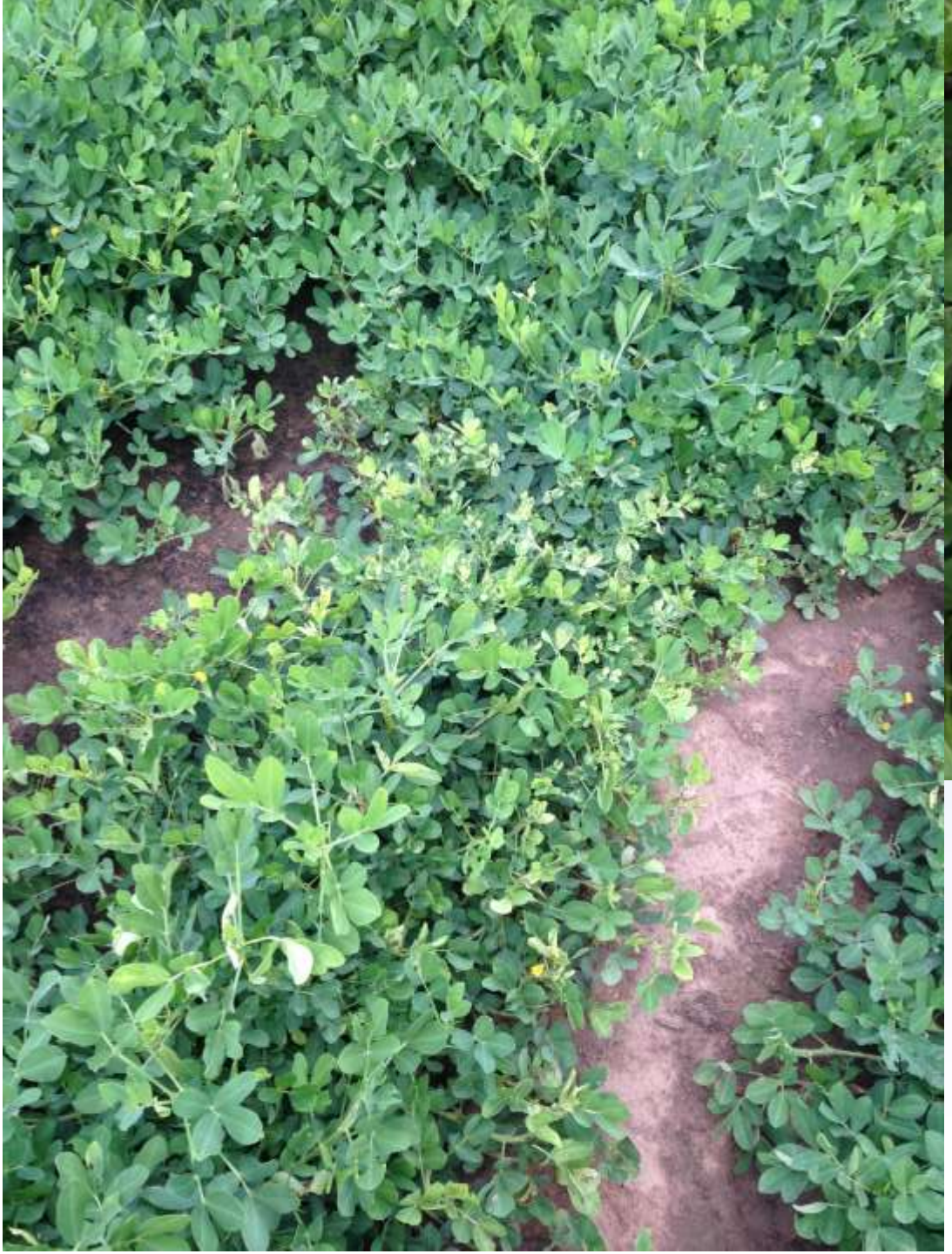
Variety Performance

Top yielding entries

	AL	FL	GA	MS	SC	Total
GA06G	X	X	X	X		4
GA09B	X		X			2
GA12Y	X	X	X	X	X	5
GA13M			X	X		2
TR511	X	X	X	X	X	5
TR297	nt	X	X	X	X	4

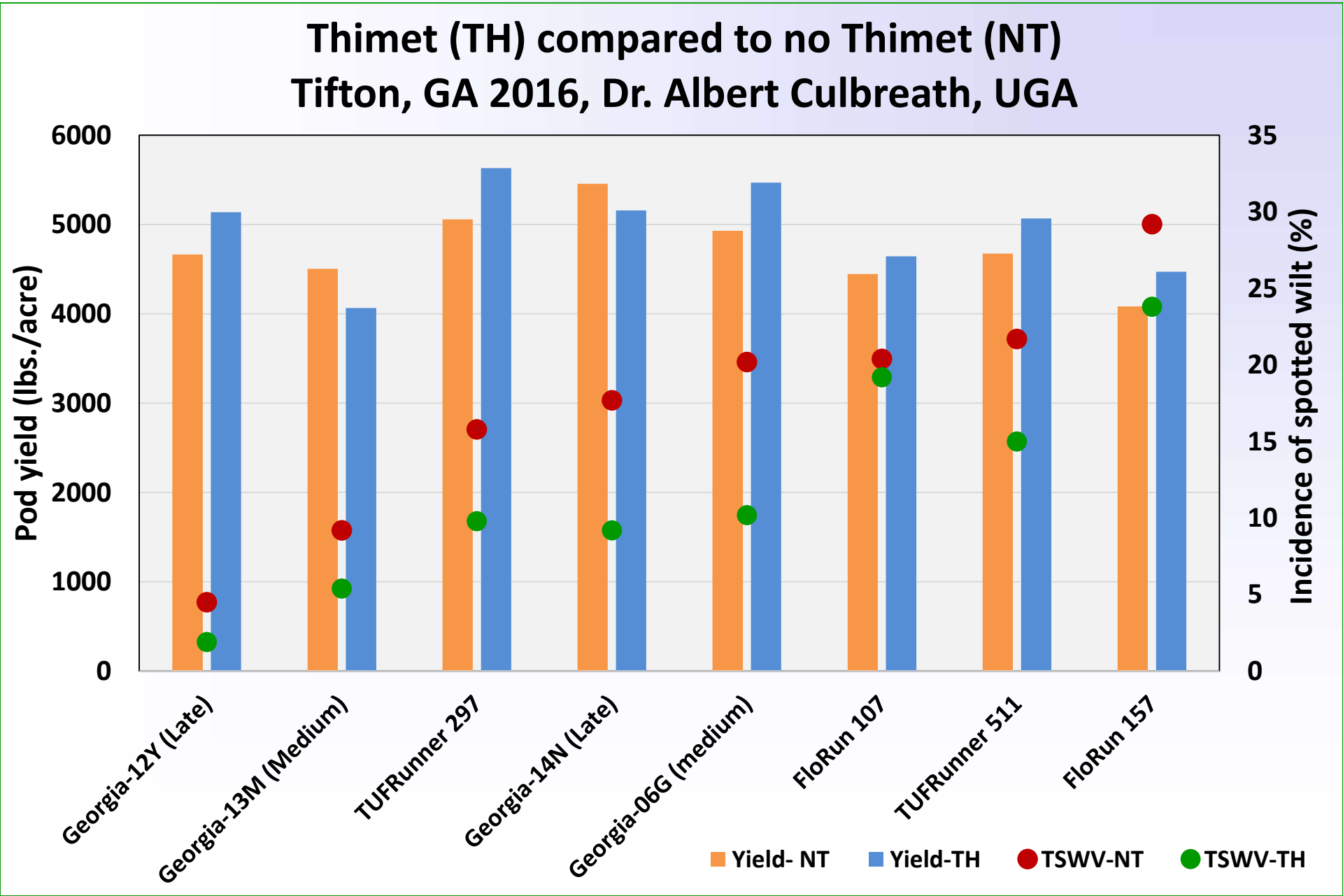
Disease Resistance

Peanut Rx 2017 Version			
Variety[1]	Spotted Wilt Points	Leaf Spot Points	White mold Points
Florida-07	10	20	15
FloRun™ '107'	20	25	20
FloRun™ '157'	25	25	20
Georgia-06G	10	20	20
Georgia-07W	10	20	15
Georgia-09B	20	25	25
Georgia-12Y	5	15	10
Georgia-13M	10	30	25
Georgia-14N	10	15	15
Tifguard	10	15	15
TUFRunner™ '297'	10	25	20
TUFRunner™ '511'	20	30	15

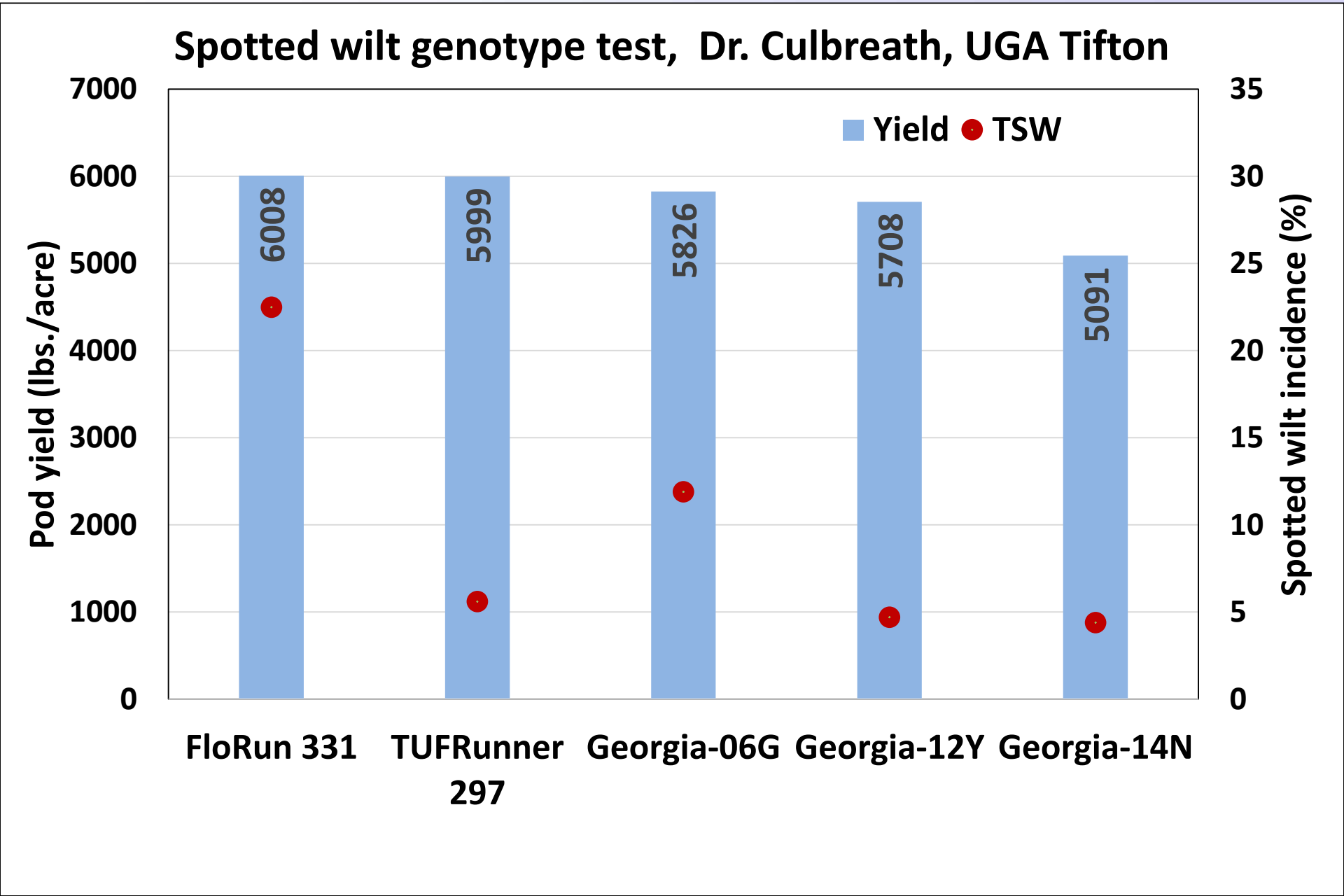


Spotted Wilt

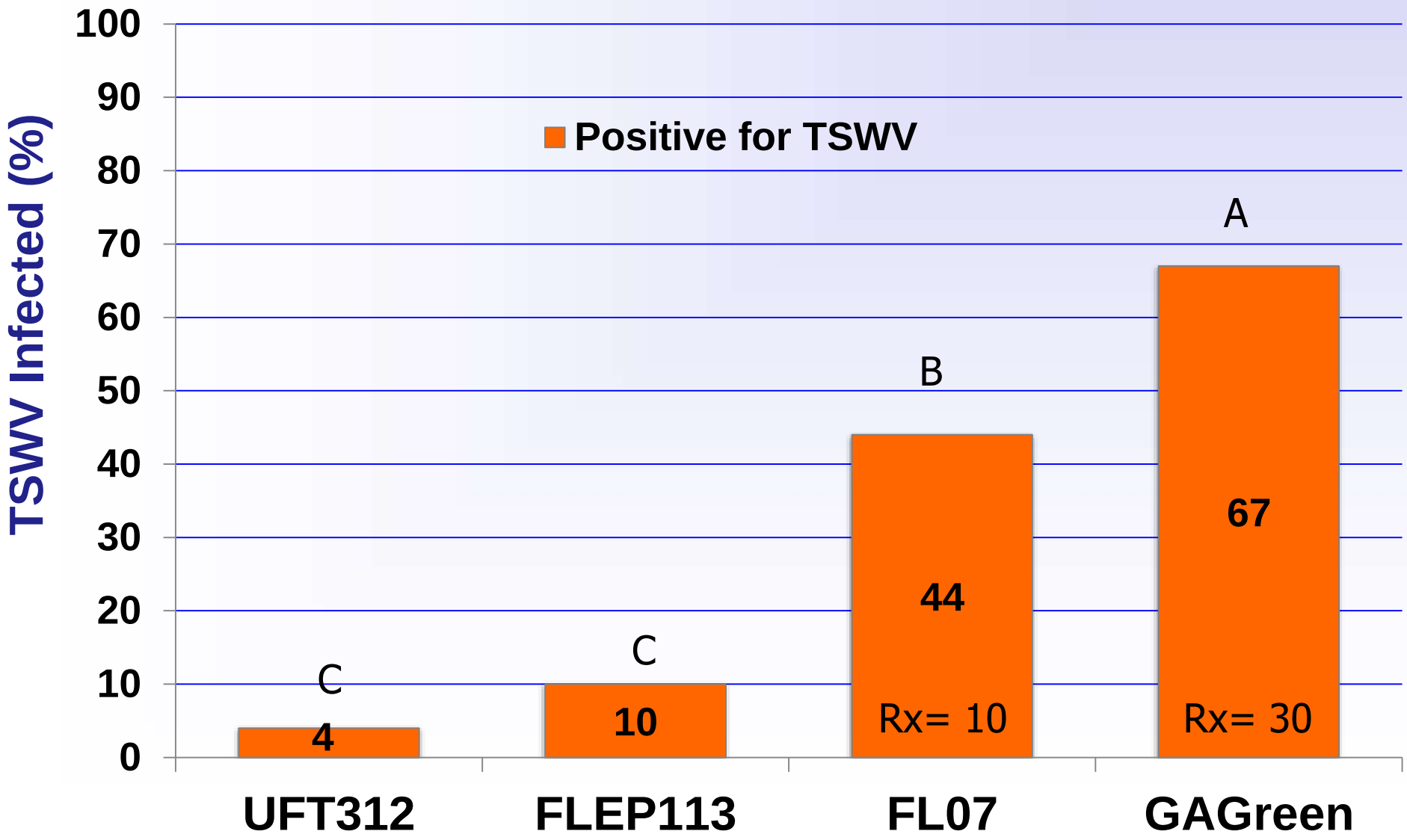
Spotted Wilt



Spotted Wilt



TSWV infected 40-70% of Florida-07 and Georgia Green plants most without symptoms

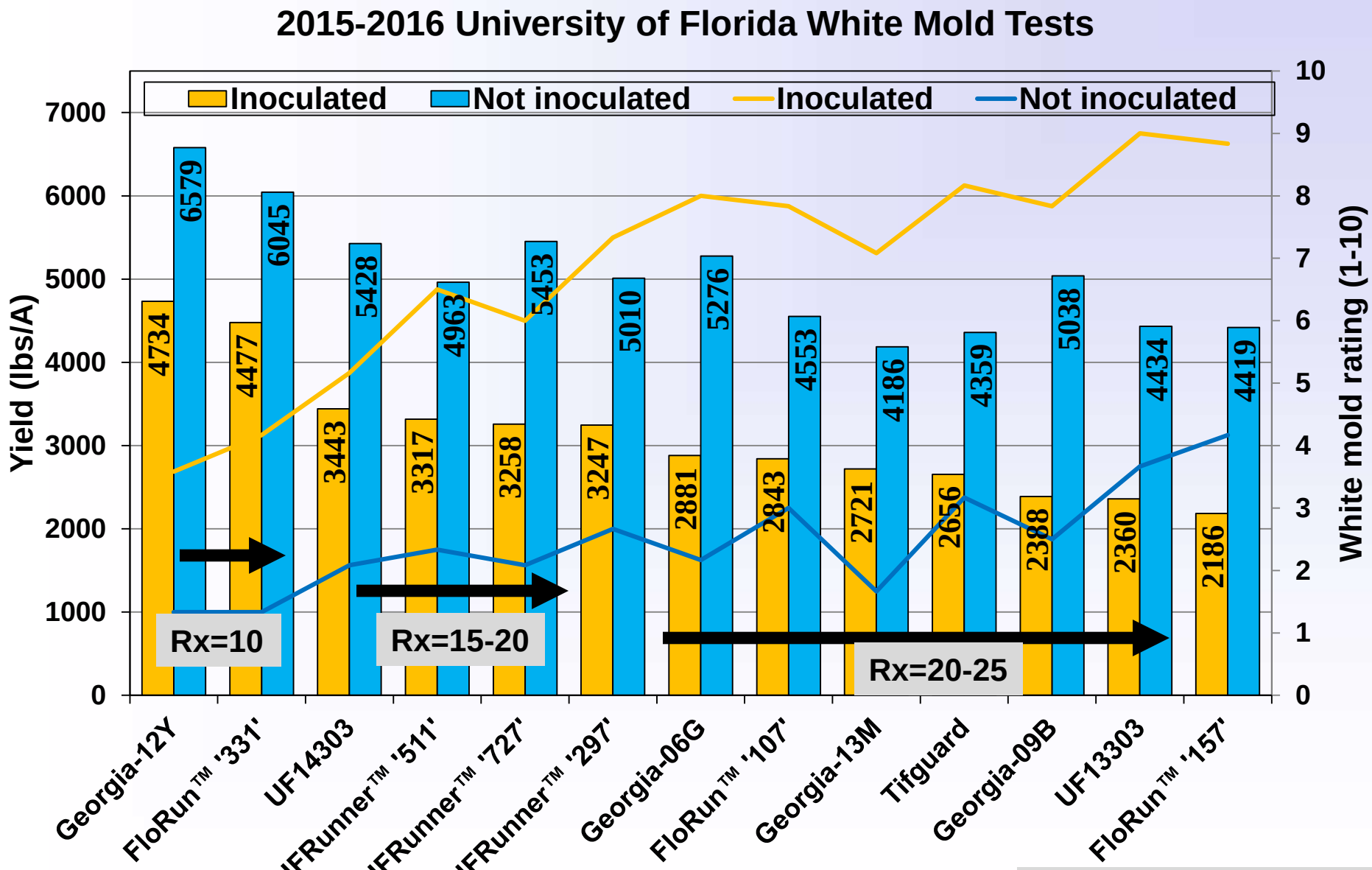


Best Practices to minimize risk of TSWV

- **Combine variety with other risk factors**
  - ✓ **Thimet**
  - ✓ **Plant stand 4/foot**
  - ✓ **Twin rows**
  - ✓ **Resistant cultivar (10 points or less)**
    - ❖ **Florida-07, Georgia-06G, Georgia-12Y, Georgia-13M, Georgia-14N, Tifguard, TUFRunner 297**
- **The disease seems to have disappeared so why worry about these factors?**
  - ✓ ***Prevention is the ONLY cure***

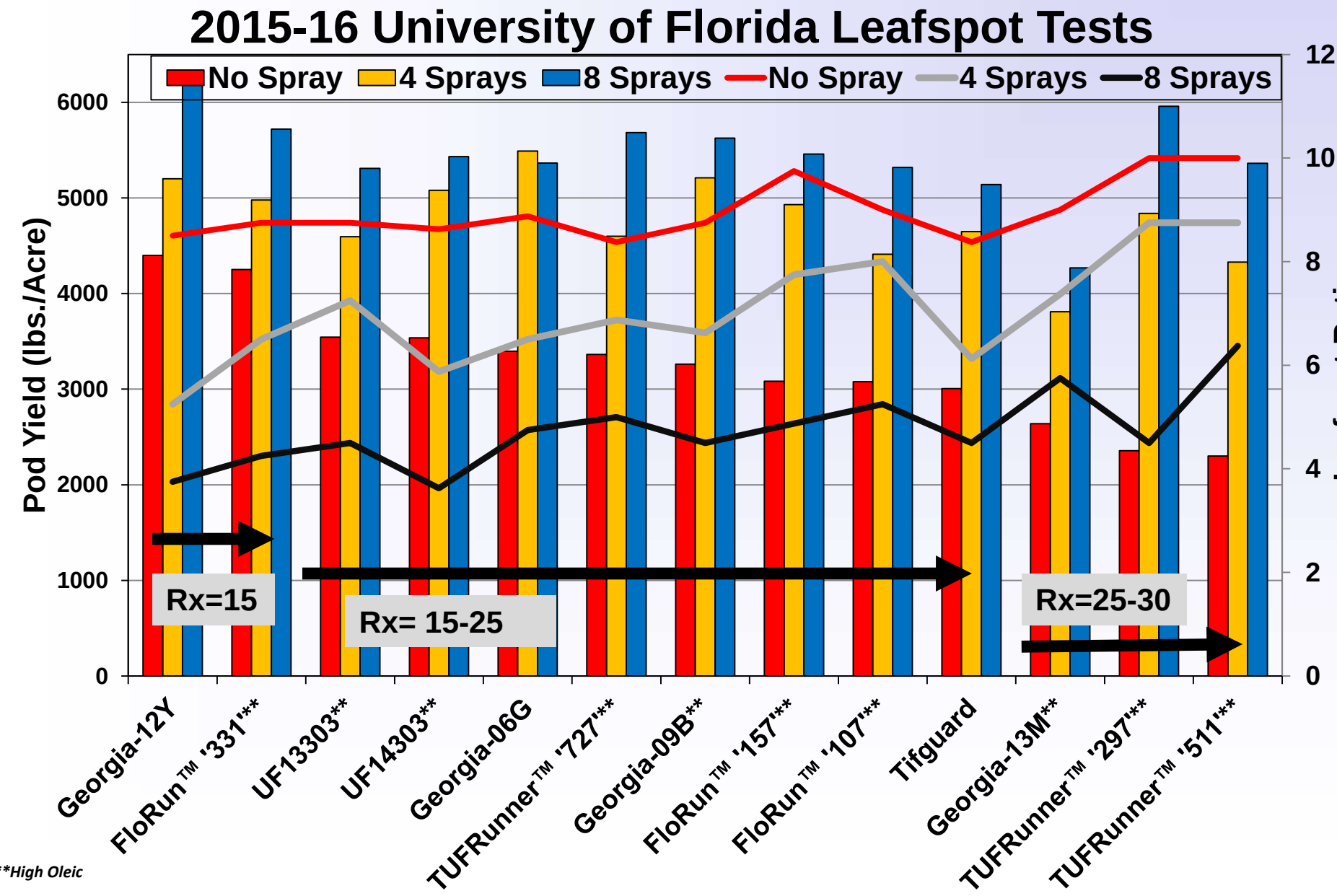
White Mold

White mold tests sprayed with Bravo 7-8 times



Similar average yield
523 lbs/A difference

Leaf spot tests- 0, 4, and 8 sprays



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Tifguard	10	15	15
TUFRunner™ '297'	10	25	20
TUFRunner™ '511'	20	30	15

How would I manage:

				White mold program		
Variety	**Planting**	**Thimet**	**Twin Rows**	**Early season**	**Mid season**	**Leaf spot program**
Georgia-06G	May 1-31	if planting earlier than May 10	Yes, especially if planting before May 10	Yes, especially if planting early	May need more than folicur if weather conditions warrant: Convoy, Elatus, Fontelis, Alto+Abound, Evito, Provost,etc.	Bravo and Folicur (or generic equivalents) are okay espeically if rotation is 2 years or more
Georgia-12Y	April 15-May 31	if planting earlier than May 10	Probably not needed for spotted wilt control	May not be needed	Okay with Bravo and Folicur (or generic equivalents), especially if rotation is 2 years or more	Bravo and Folicur (or generic equivalents) are okay especially if rotation is 2 years or more

How would I manage:

				White mold program		
Variety	**Planting**	**Thimet**	**Twin Rows**	**Early season**	**Mid season**	**Leaf spot program**
Georgia-09B	May 10-31	use on all plantings	Yes, especially if planting before May 10	Yes, especially if planting early	Will likely benefit from Convoy, Elatus for WM control	Will likely benefit from fungicides with better activitiy on LS: Priaxor, Elatus, Alto+Abound, Fontelis, Evito, Provost, etc.
Georgia-13M	April 15-May 25	if planting earlier than May 10	Yes, especially if planting before May 10	Yes, especially if planting early	Will likely benefit from Convoy, Elatus for WM control	Need to use fungicides with better activitiy on LS: Priaxor, Elatus, Alto+Abound, Fontelis, , Evito, Provost, etc

How would I manage:

				White mold program		
Variety	**Planting**	**Thimet**	**Twin Rows**	**Early season**	**Mid season**	**Leaf spot program**
TUFRunner 511	May 10-25	use on all plantings	Yes, especially if planting before May 10	Probably needed only if high risk of white mold	Probably okay with Bravo and Folicur (or generic equivalents), especially if rotation is 2 years or more	Need to use fungicides with better activitiy on LS: Priaxor, Elatus, Alto+Abound, Fontelis, Evito, Provost, etc
TUFRunner 297	May 1-25	if planting earlier than May 10	Yes, especially if planting before May 10	Probably needed only if high risk of white mold	Probably okay with Bravo and Folicur (or generic equivalents), especially if rotation is 2 years or more	If risk is high, will benefit from fungicides with better activitiy on LS: Priaxor, Elatus, Alto+Abound, Fontelis, Evito, Provost, etc. If risk is low, may be okay with Bravo, Folicur or

How would I manage:

				White mold program		
Variety	**Planting**	**Thimet**	**Twin Rows**	**Early season**	**Mid season**	**Leaf spot program**
Georgia-14N	May 1-May 31	if planting earlier than May 10	Yes, especially if planting before May 10	Probably needed only if high risk of white mold	Probably okay with Bravo and Folicur (or generic equivalents), especially if rotation is 2 years or more	Bravo and Folicur (or generic equivalents) are okay espeically if rotation is 2 years or more
Tifguard	May 1-May 31	if planting earlier than May 10	Yes, especially if planting before May 10	Probably needed only if high risk of white mold	Probably okay with Bravo and Folicur (or generic equivalents), especially if rotation is 2 years or more	Bravo and Folicur (or generic equivalents) are okay espeically if rotation is 2 years or more

Peanut Field Day- Marianna
August 17, 2017