

Peanut Varieties for 2016 and Beyond

Barry L. Tillman

Outline of Topics

❖ Varieties for 2016

❖ Variety Performance

❖ New Varieties

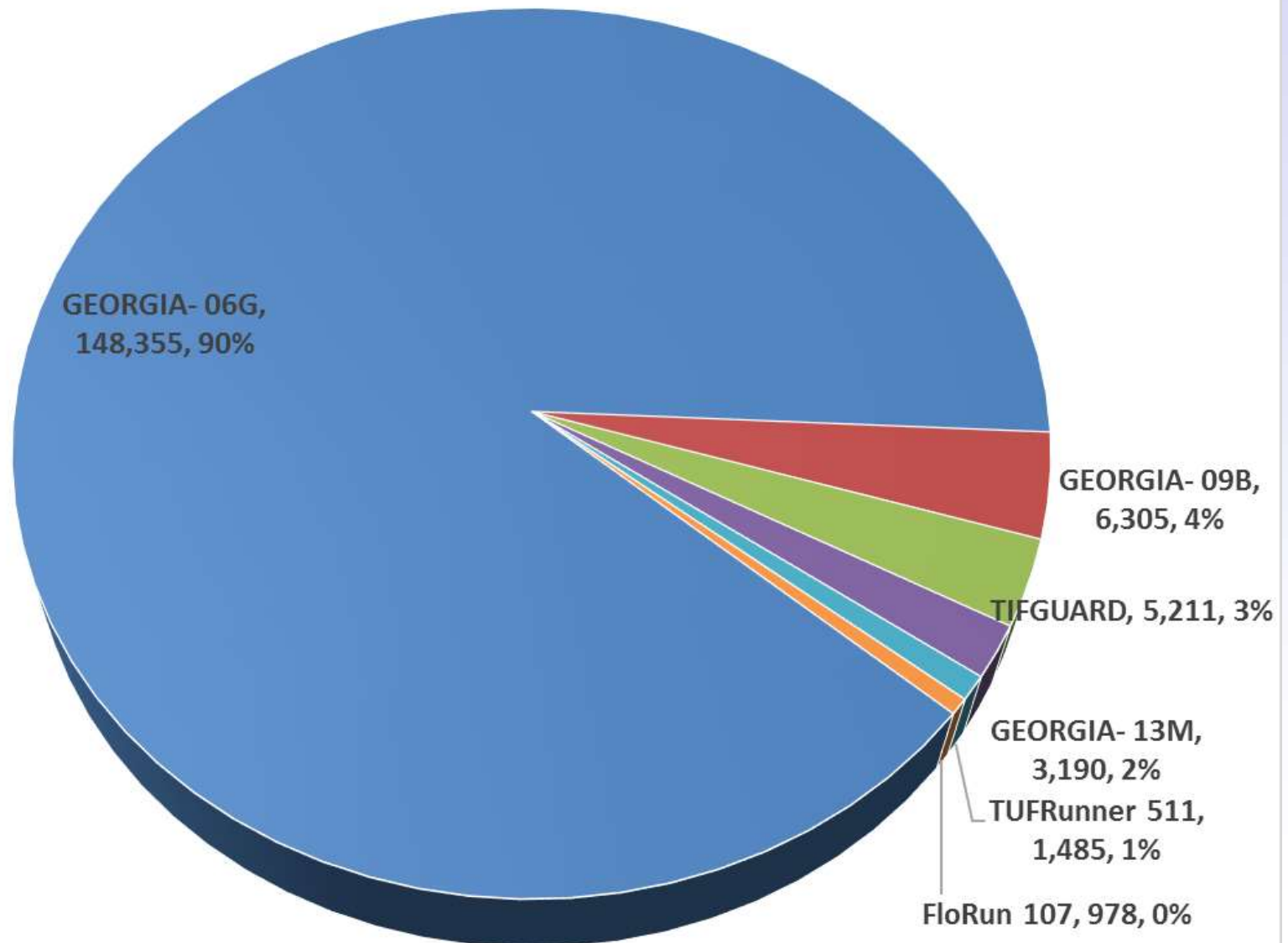
- ✓ TUFRunner '297', TUFRunner '511', FloRun '157'
- ✓ Georgia-12Y, Georgia-13M, Georgia-14N
- ✓ TifNV-High O/L

❖ Disease resistance

- ✓ Can we reduce costs?
- ✓ Fungicides vs. rotation



Certified Seed acreage in AL, FL, & GA in 2015

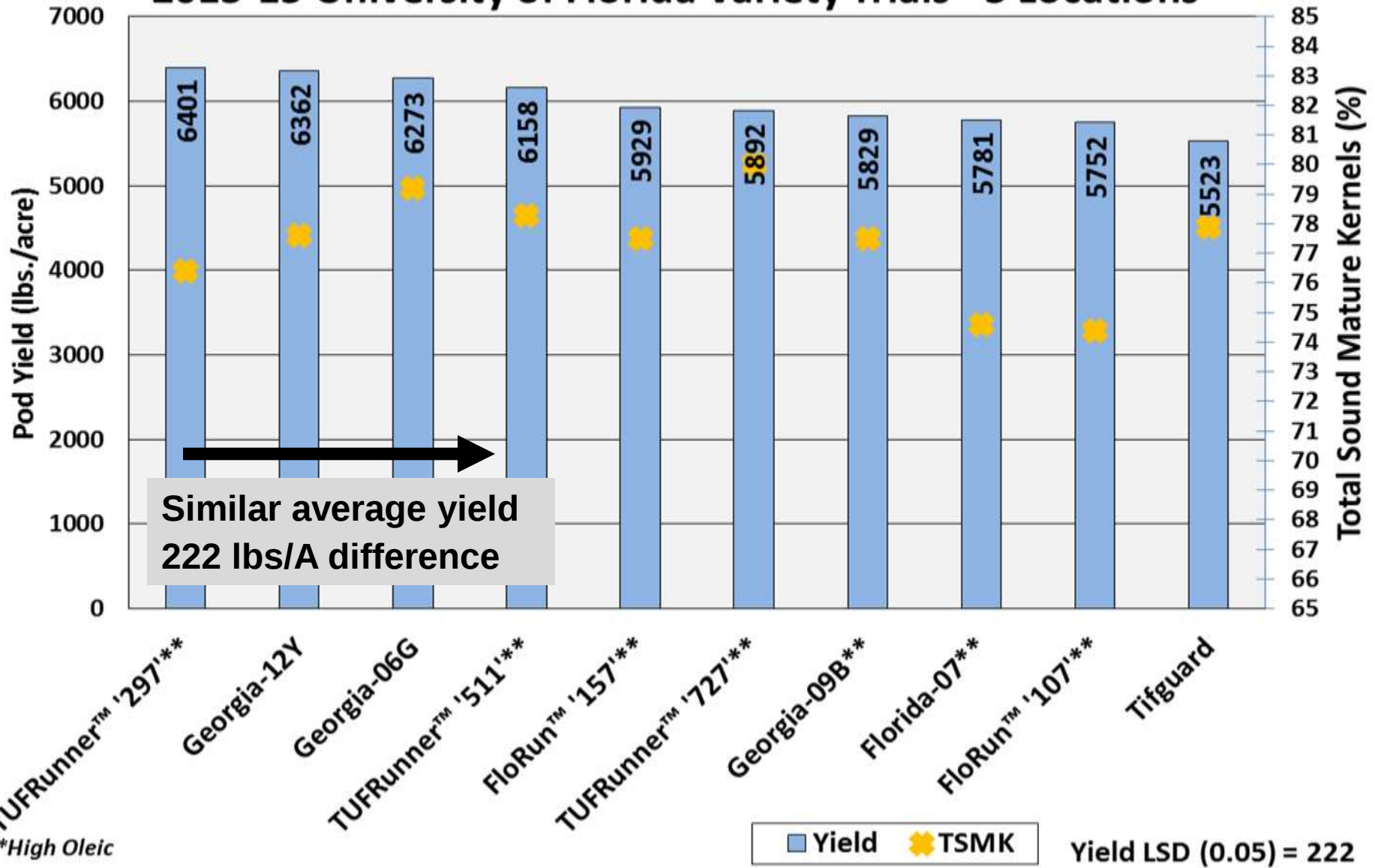


Varieties available based on Sheller survey

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

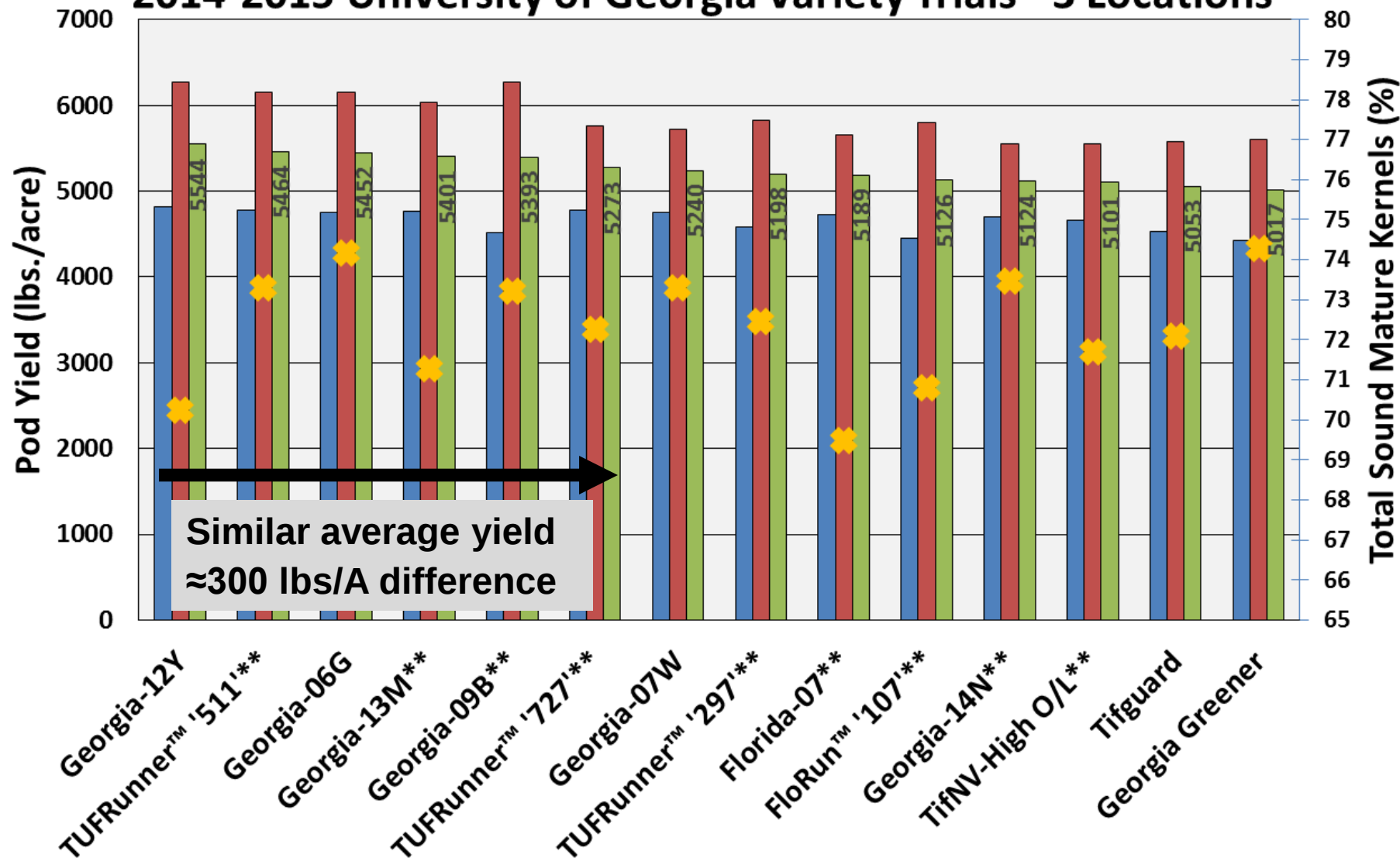
University of Florida SWVT

2013-15 University of Florida Variety Trials - 3 Locations



University of Georgia SWVT

2014-2015 University of Georgia Variety Trials - 3 Locations

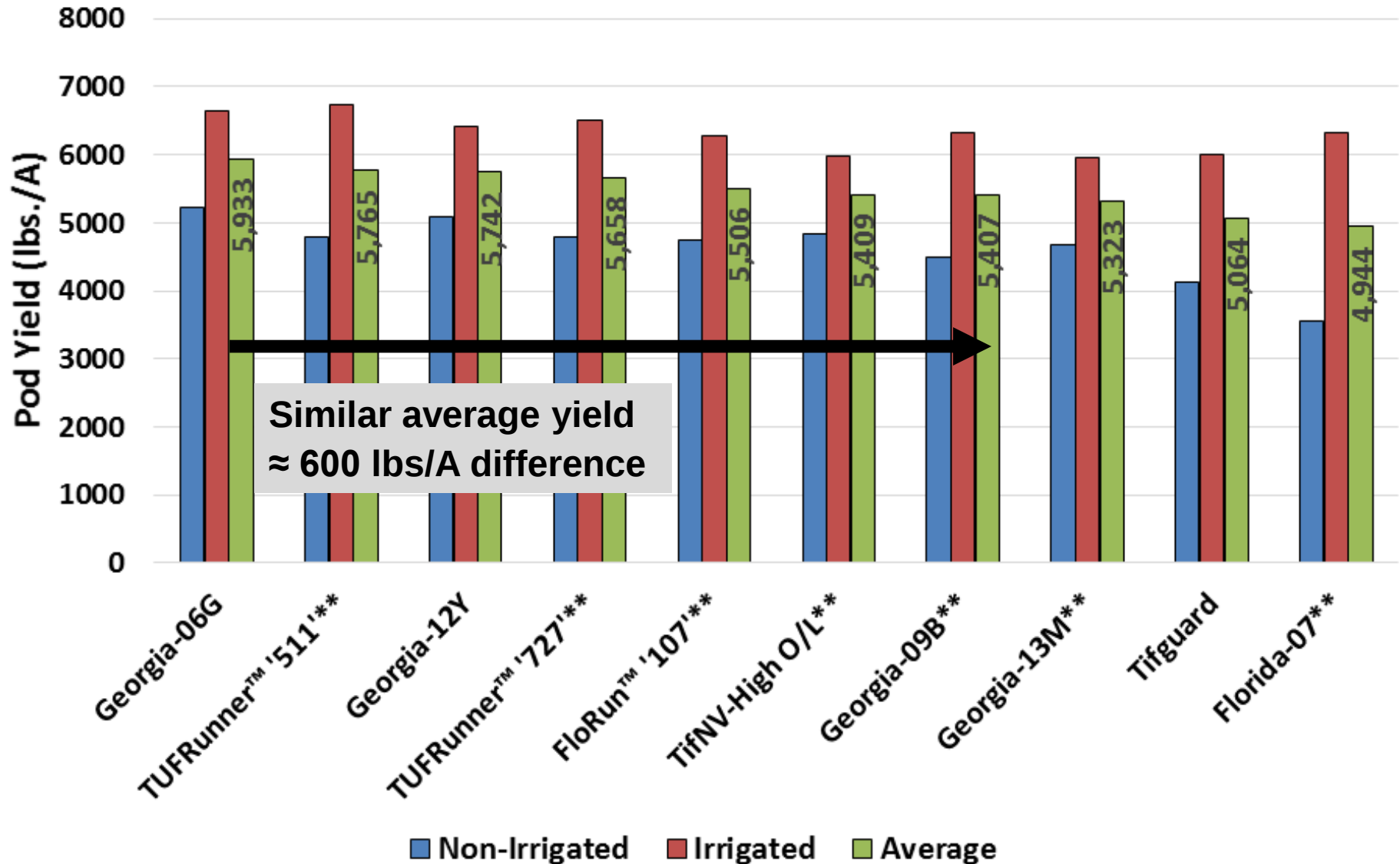


**High Oleic

■ Non-Irrigated ■ Irrigated ■ Average ★ TSMK

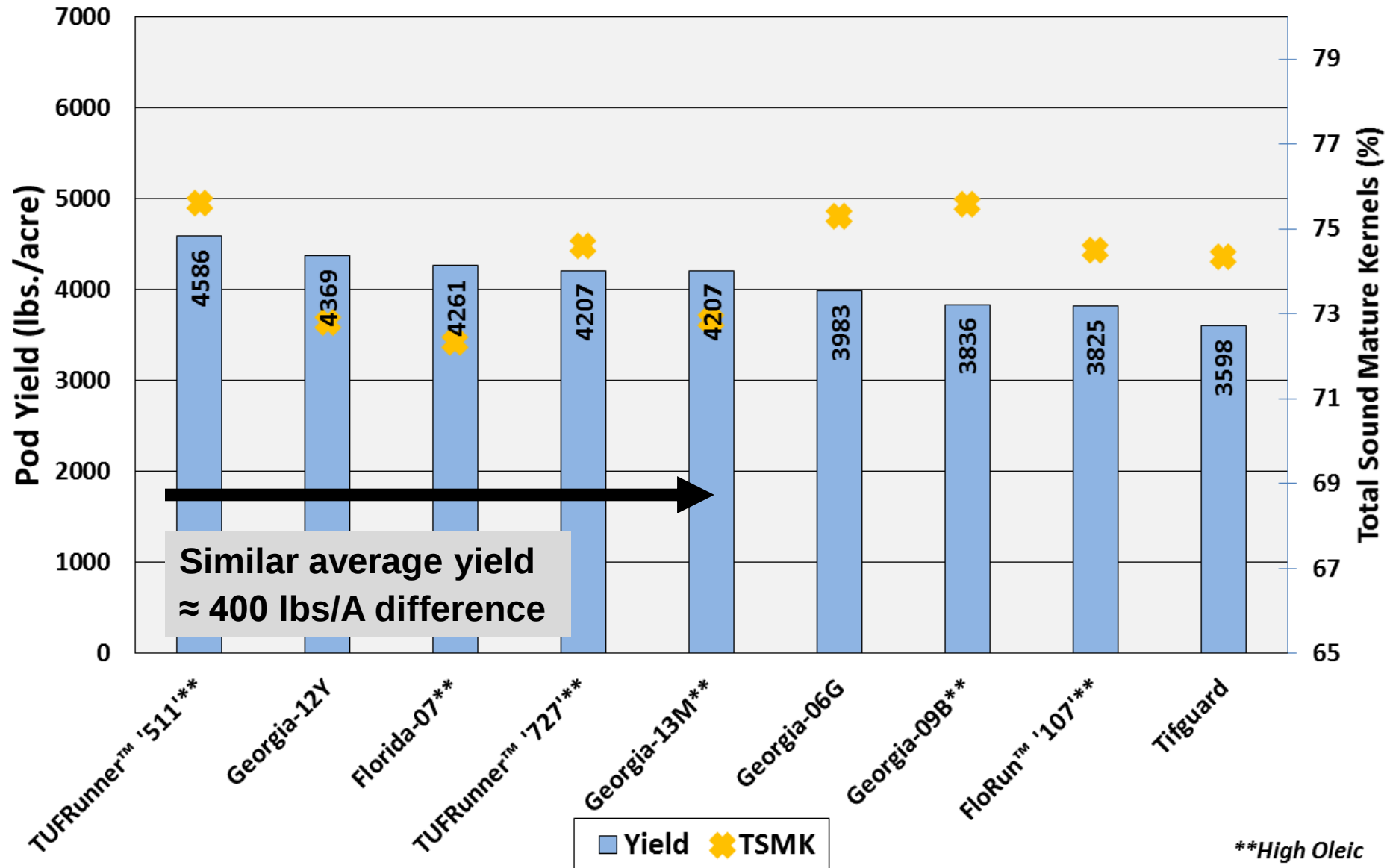
Auburn University VT

2014-15 Average yields - Headland, AL



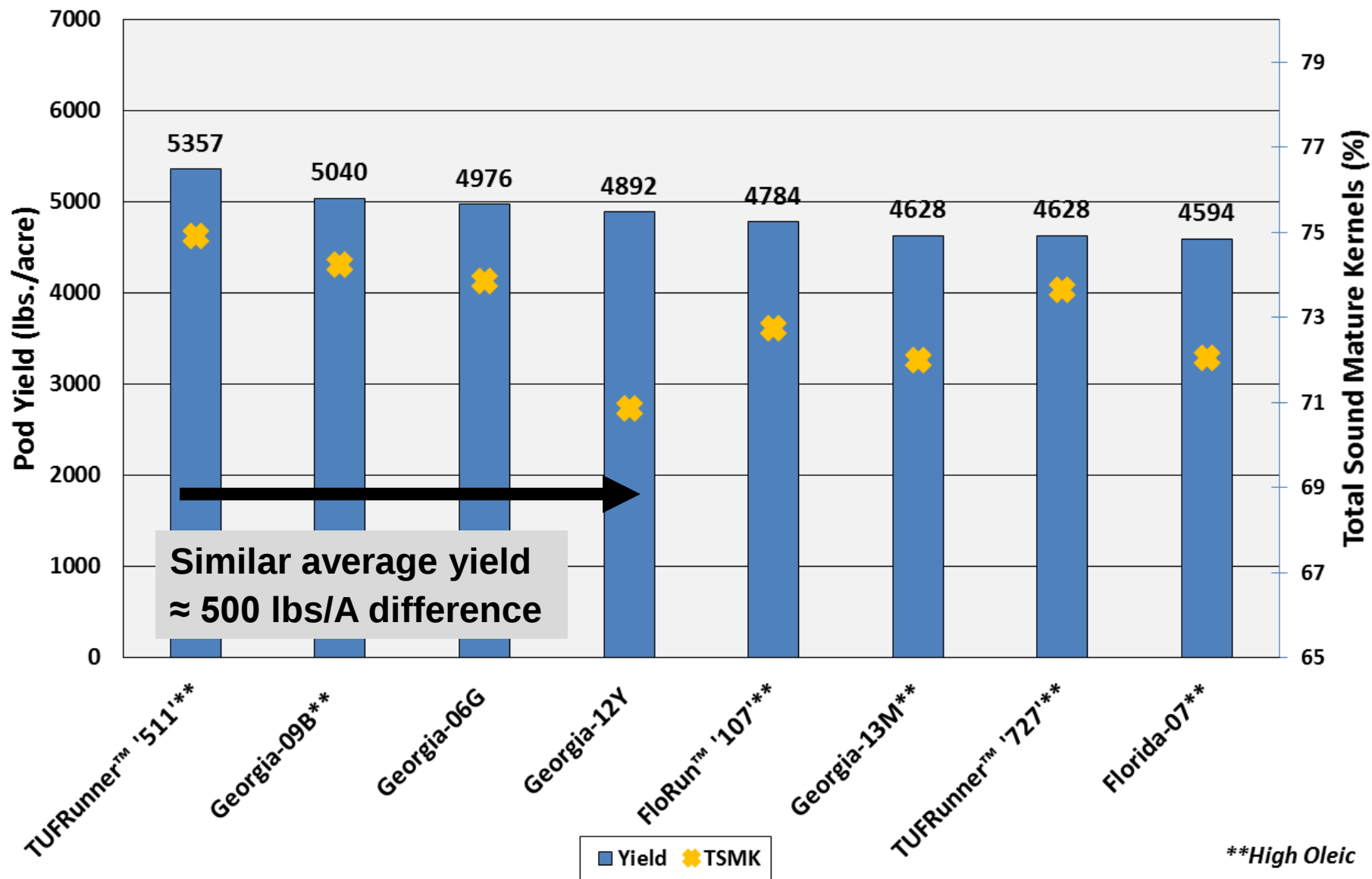
Mississippi State University SWVT

2014-15 Mississippi State University Variety Trials - 4 Locations



Clemson University VT

2014-15 Clemson University Variety Trial - Blackville, SC



Top yielding entries in each state

	AL	FL	GA	MS	SC	Total
FL07	X			X		2
GA06G	X	X	X		X	4
GA09B	X		X		X	3
GA12Y	X	X	X	X	X	4
GA13M			X	X		2
GA14N	nt	nt		nt	nt	nt
TR727	X		X	X		3
TR511	X		X	X	X	4
TR297	nt	X	nt	nt	nt	nt
TIFNV	nt	nt		nt	nt	nt

Disease Resistance



Peanut Rx 2016 Version

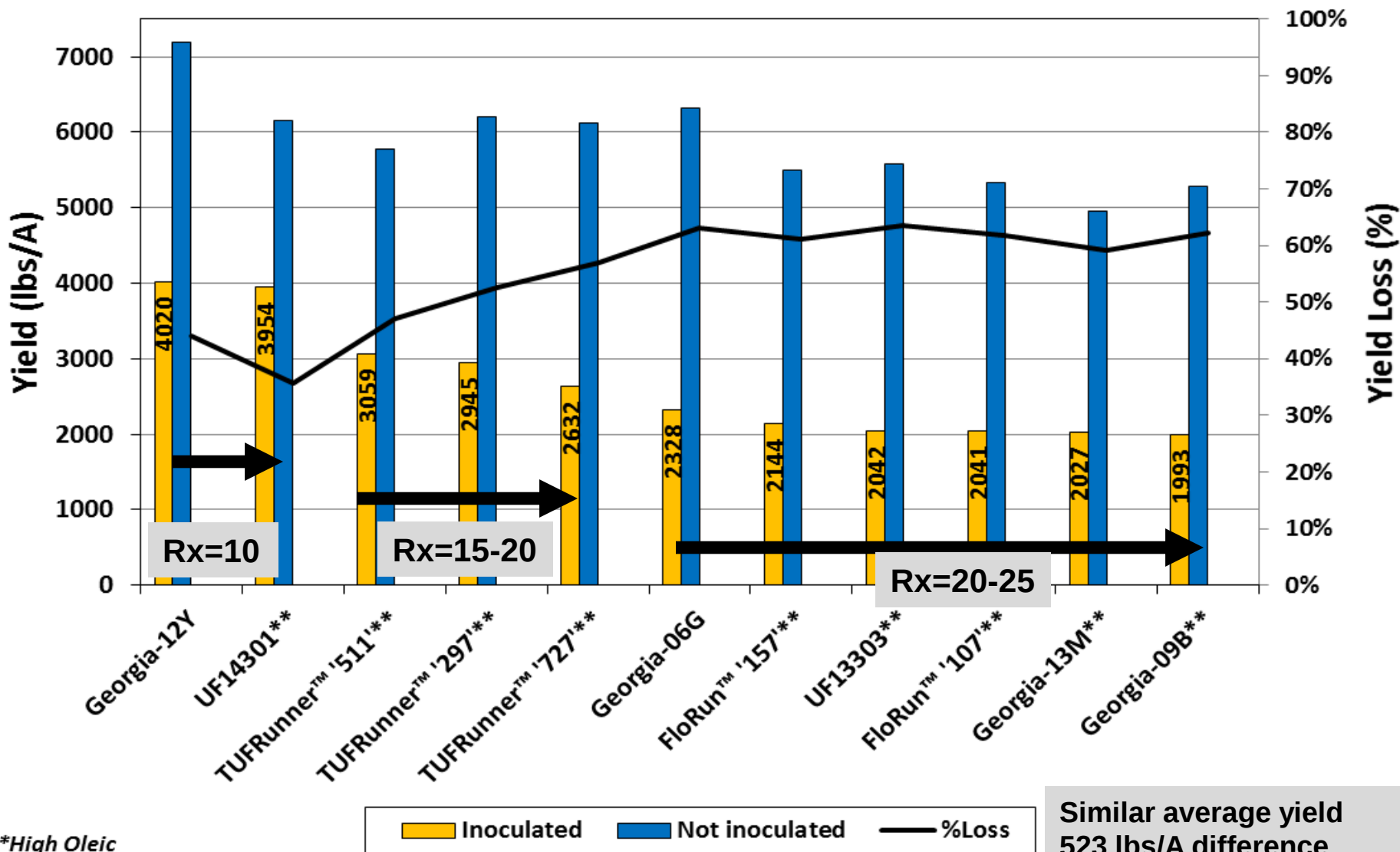
Variety ¹	Spotted Wilt Points	Leaf Spot Points	White mold Points
Florida-07	10	20	15
FloRun™ '107'	20	25	20
Georgia-06G	10	20	20
Georgia-07W	10	20	15
Georgia-09B	20	25	25
Georgia-12Y	5	15	10
Georgia-13M	10	30	25
Georgia-14N	10	15	15
Tifguard	10	15	15
TUFRunner™ '297'	15	25	20
TUFRunner™ '727'	20	15	15
TUFRunner™ '511'	20	30	15

White Mold



White mold tests sprayed with Bravo 7-8 times

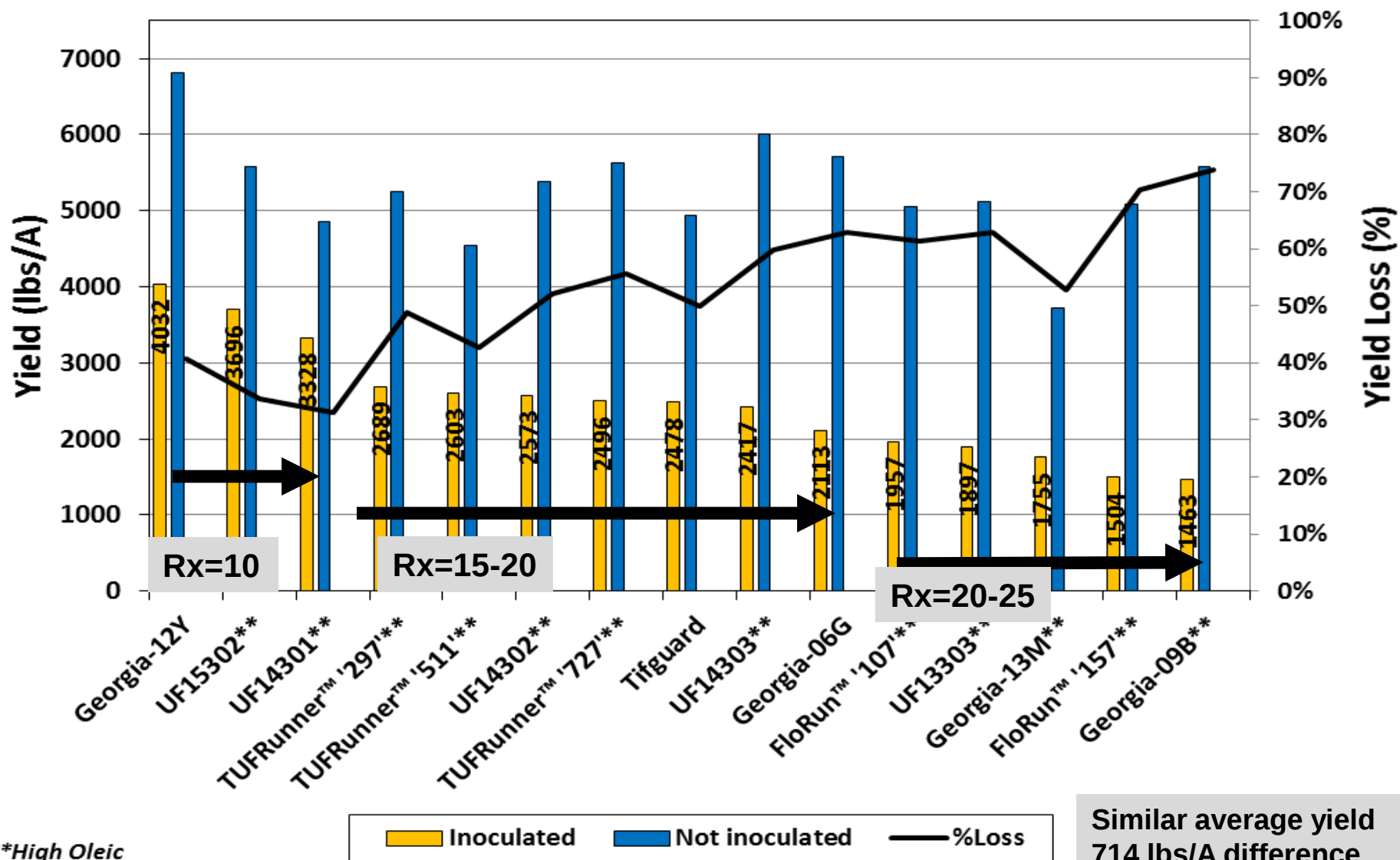
2014-15 University of Florida White Mold Tests



**High Oleic

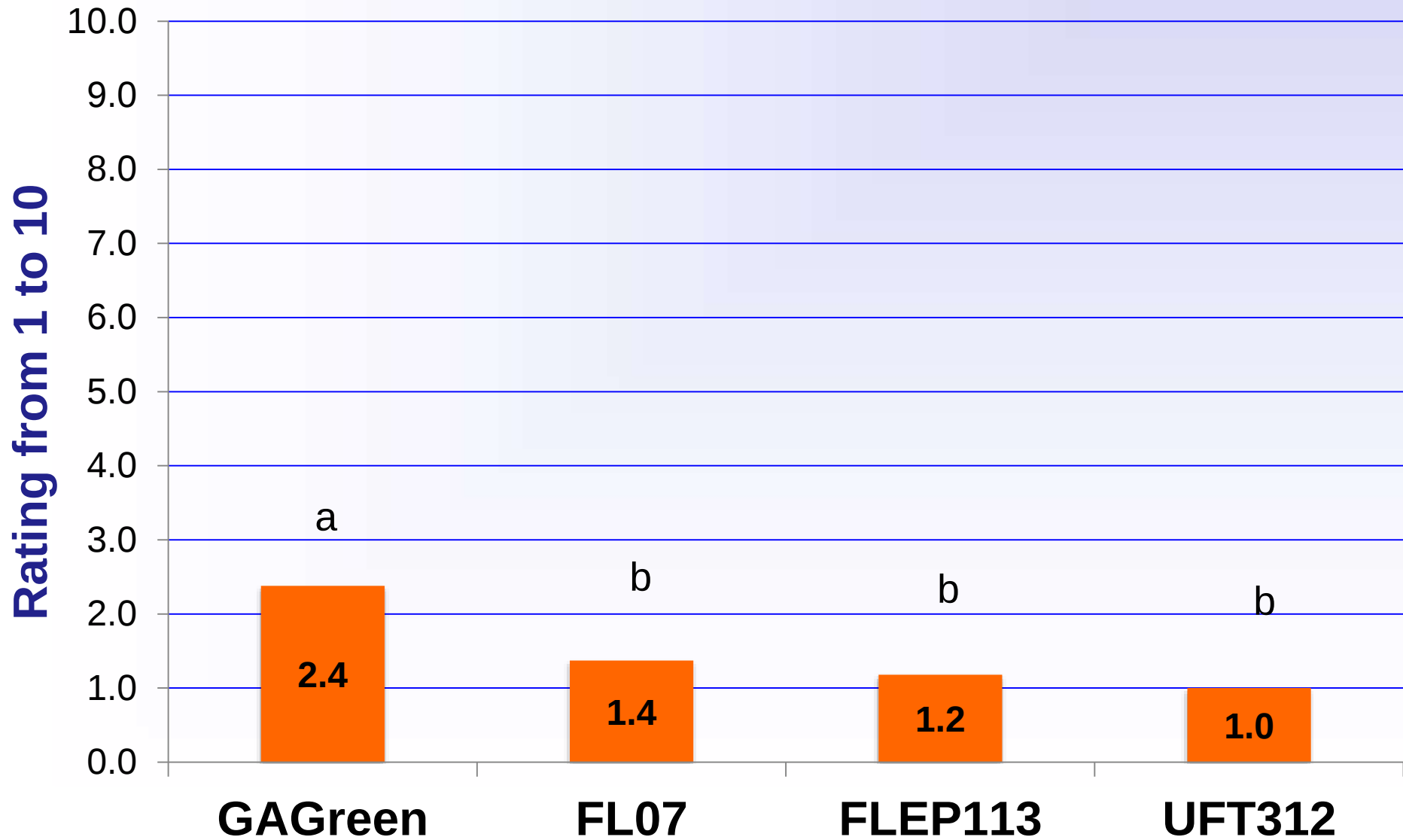
White mold tests sprayed with Bravo 7-8 times

2015 University of Florida White Mold Test

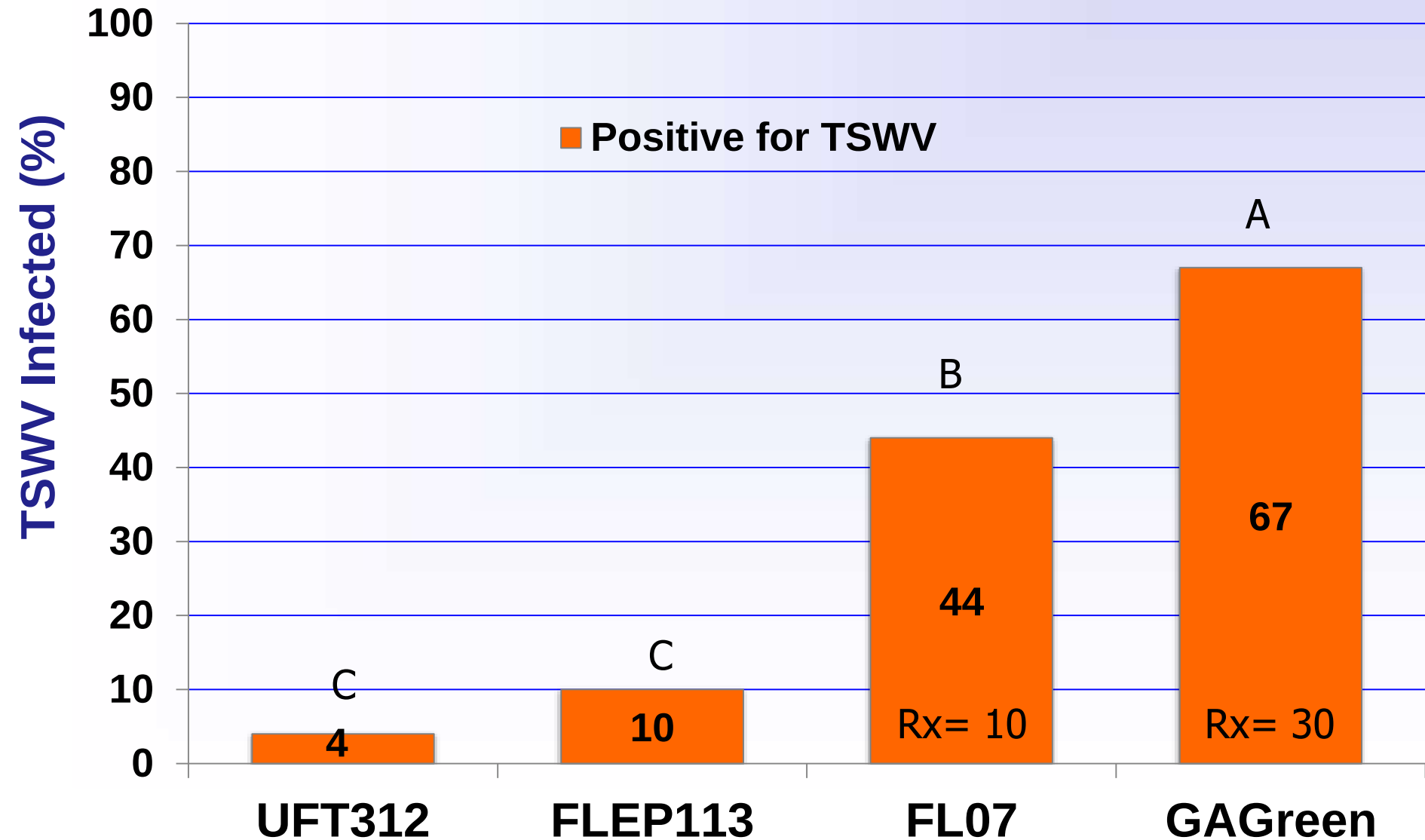




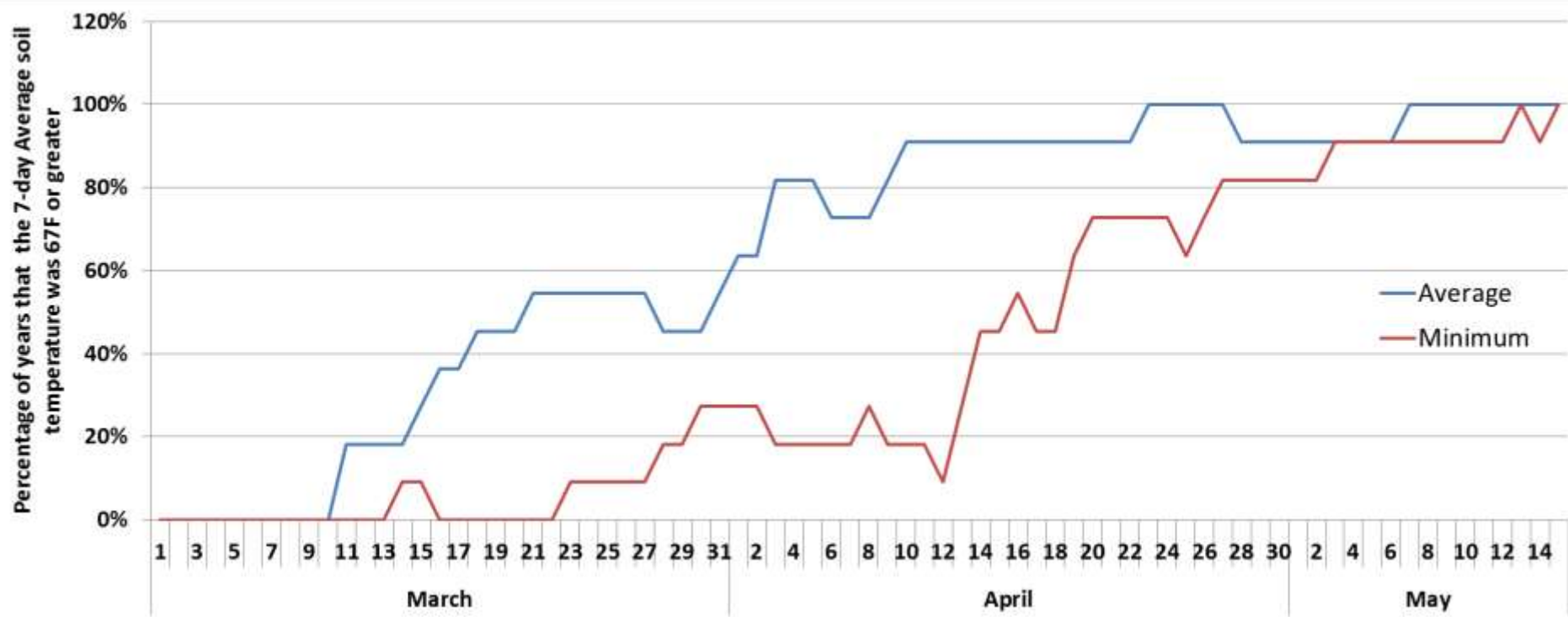
Visual symptoms of TSWV were low in 2010-12



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

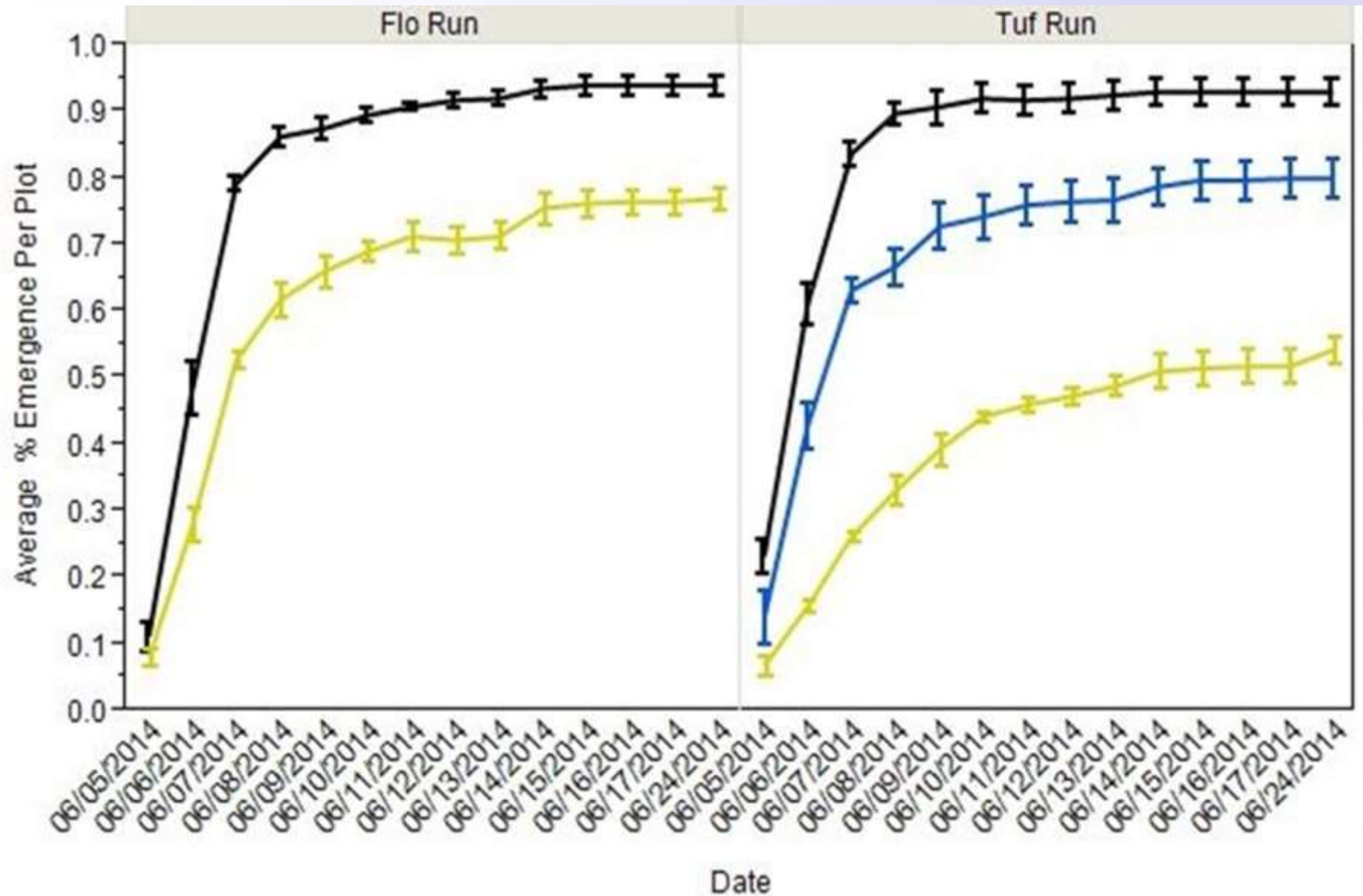


Percentage of years when soil temperature is 67F for seven consecutive days- Marianna



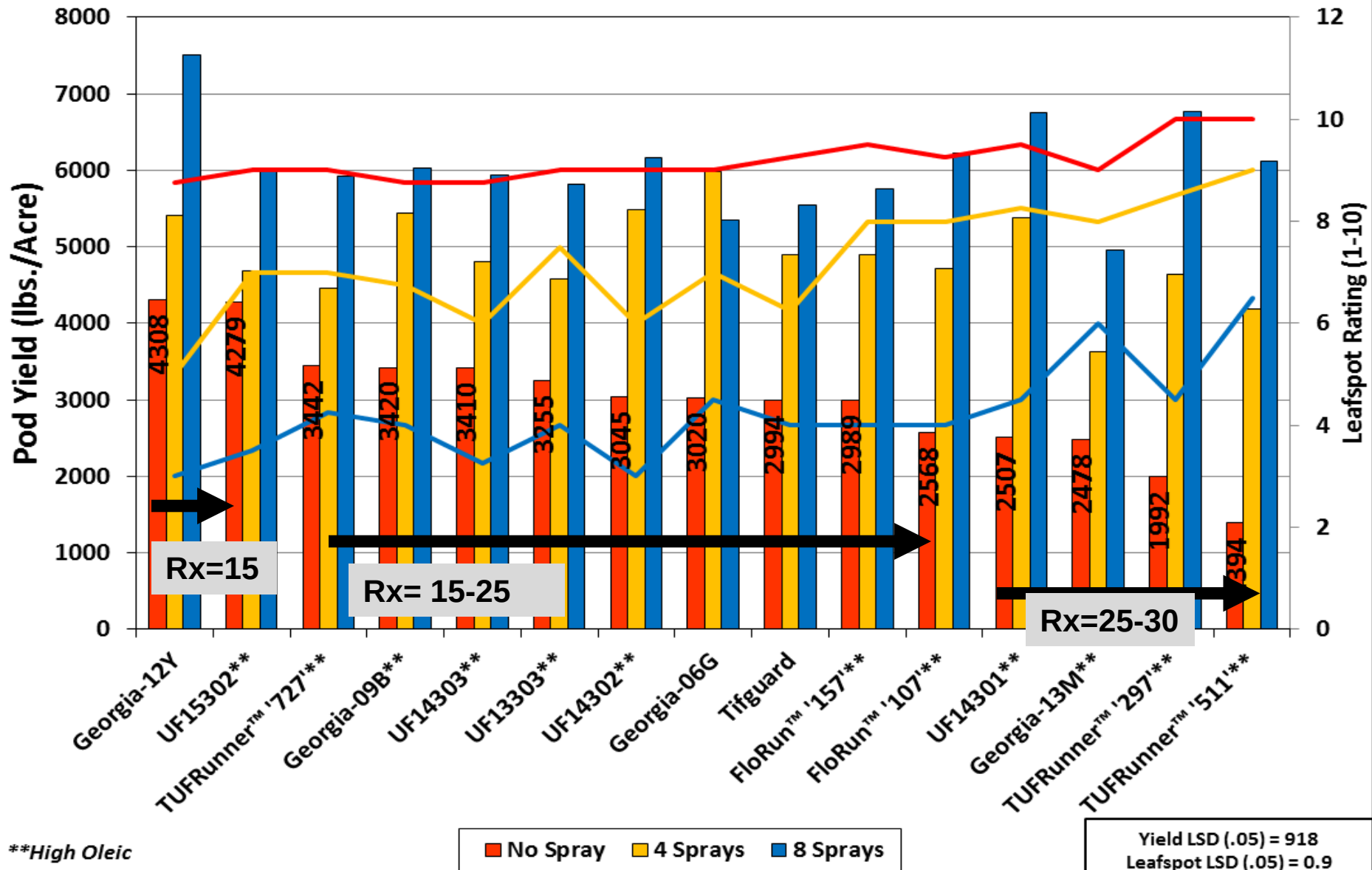
- By mid April, 9/10 years avg. soil temp. 67F for 7 days
- TSWV risk is highest prior to May 1 planting

Maturity affects seed germination



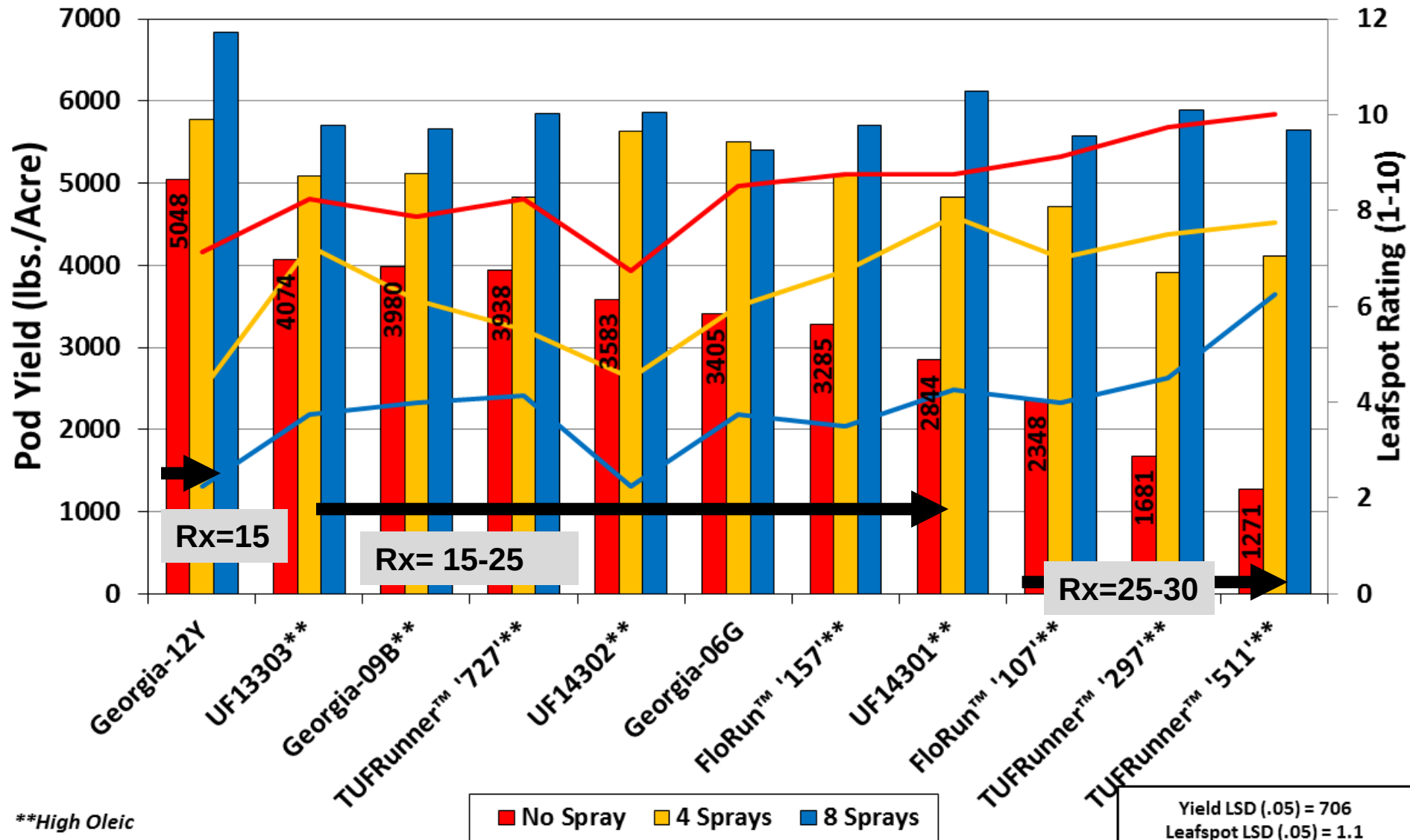
Leaf spot tests- 0, 4, and 8 sprays

2015 University of Florida Leafspot Test



Leaf spot tests- 0, 4, and 8 sprays

2014-15 University of Florida Leafspot Tests



Disease Resistance



Peanut Rx 2016 Version

Variety ¹	Spotted Wilt Points	Leaf Spot Points	White mold Points
Florida-07	10	20	15
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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
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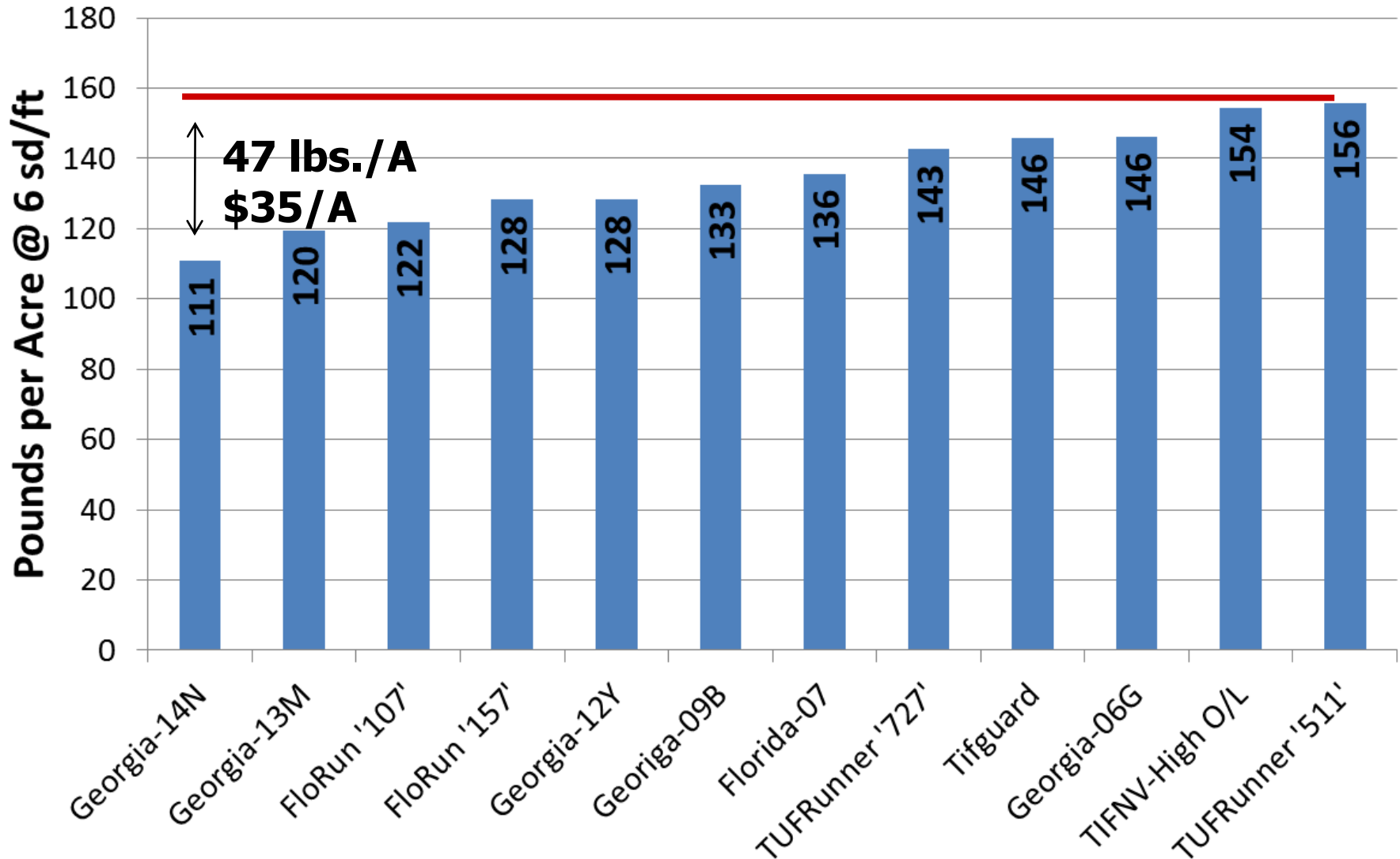
New variety summary

Variety ¹	Yield	Grade	Seed size (sd/lb)	Spotted Wilt	Leaf Spot	White mold
FloRun™ ‘157’	M	M	715			
Georgia-06G	T	T	596	10	20	20
Georgia-12Y	T	B	679	5	15	10
Georgia-13M	B	M	729	10	30	25
Georgia-14N *	B	T	787	10	15	15
TifNV-High O/L *	B	M	564			
TUFRunner™ ‘297’	T	M	554	15	25	20
TUFRunner™ ‘727’	M	M	610	20	15	15
TUFRunner™ ‘511’	T-M	M	560	20	30	15

* Resistant to root knot nematode

SEED COST: Seed size can cause up to \$35 range in seed cost per acre (\$0.75/lb.)

Variation in seed size causes difference in planting costs



Peanut Field Day- Marianna August 11, 2016

