



PhytoGen Update 1/15/14

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Cotton Development Specialist



Dow AgroSciences



WideStrike 3

Key Points

- Multiple MOA with 3-Gene insect protection
 - Vip3A added to current *Bt* genes Cry1Ac and Cry1F
- Season long control from a broad spectrum of pests
 - Including improved cotton bollworm
- First variety to market with 3 *Bt* genes

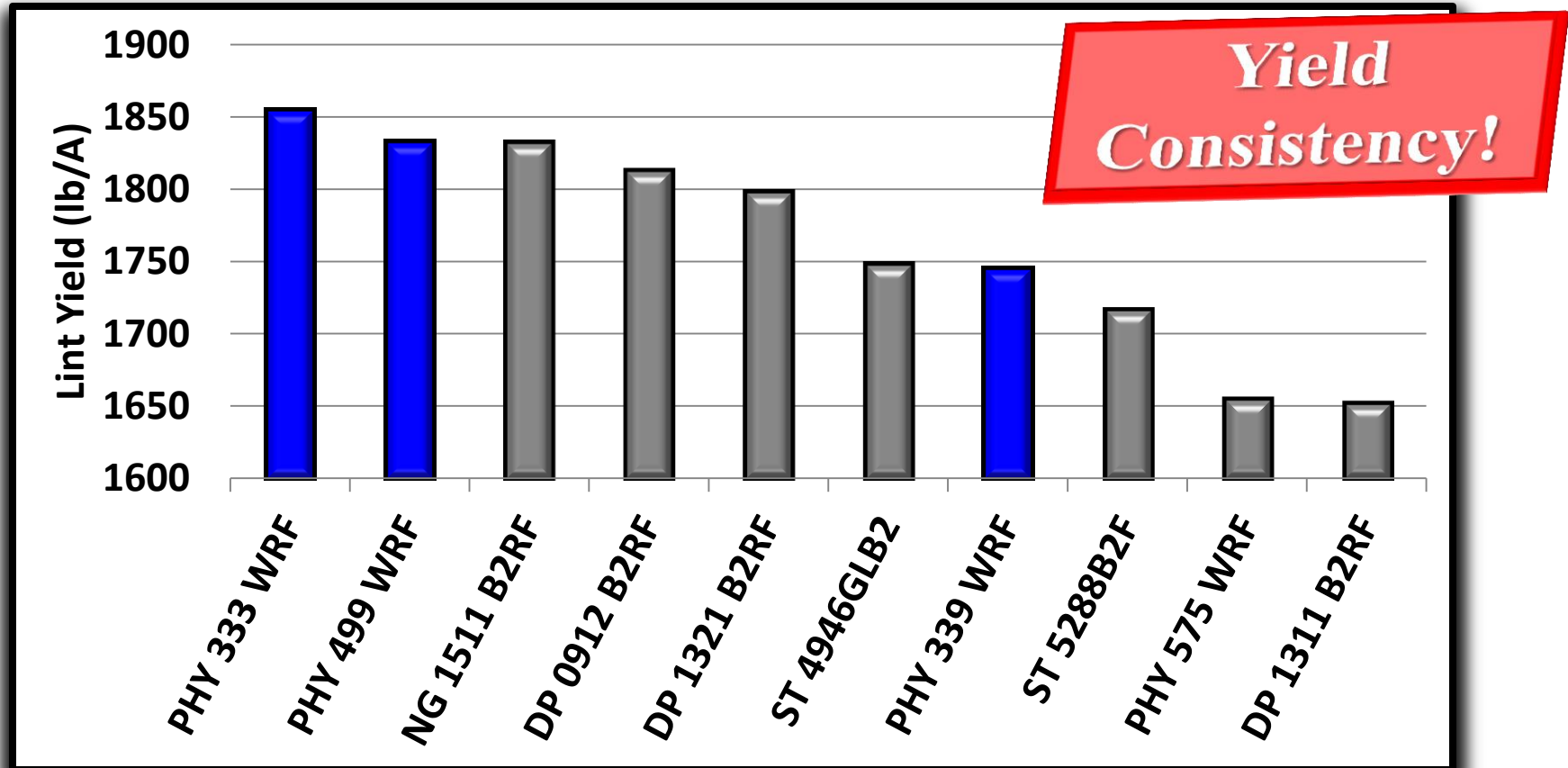
Product Offering

- Limited launch in 2014
- Will be paired with Enlist 2016

WideStrike[®] 3
INSECT PROTECTION

Top #10 Commercial Varieties (South Delta)

MSU and LSU AgCenter OVTs Combined (All Locations)

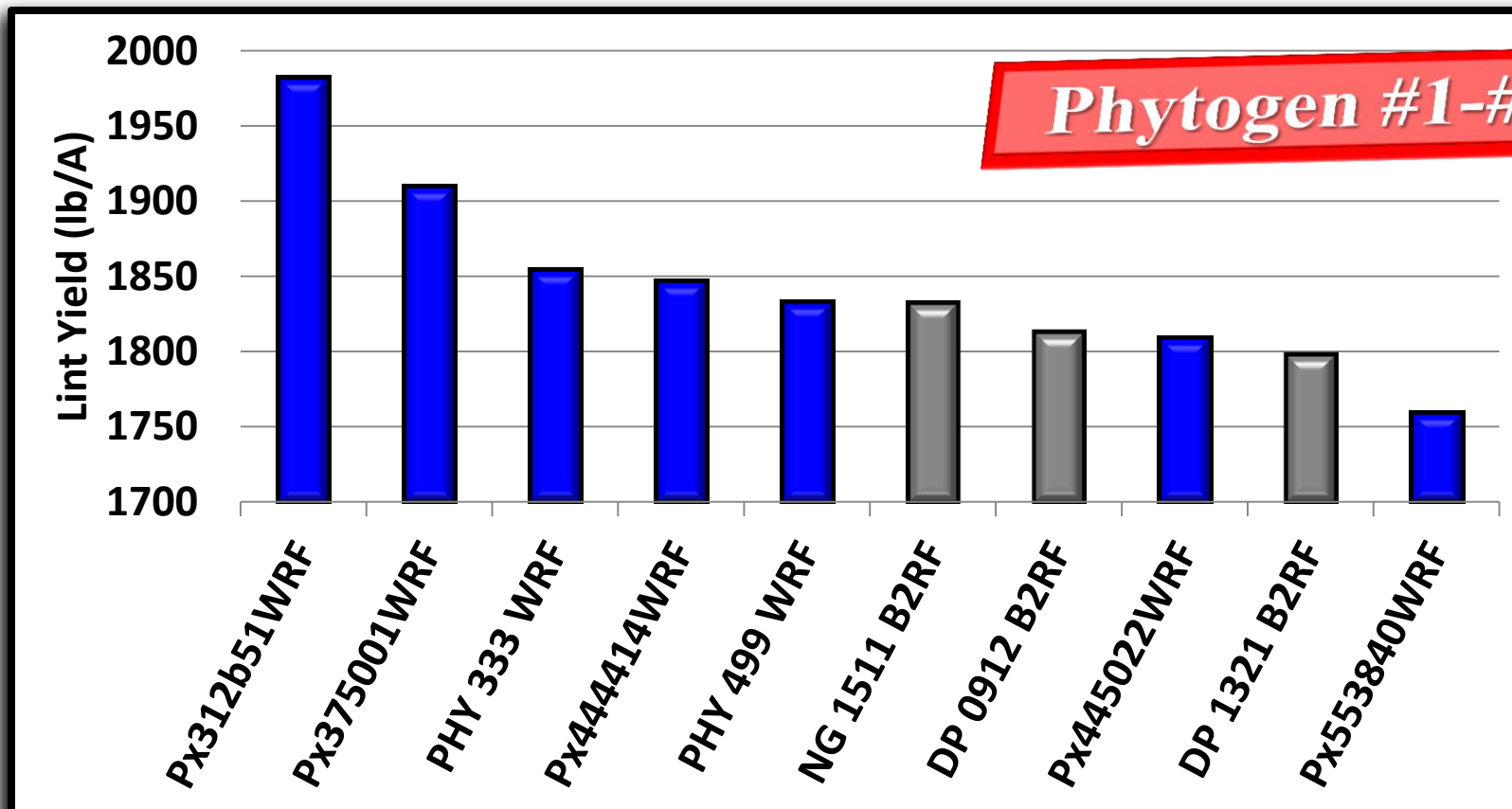


•2013 Mississippi State and LSU AgCenter Official Variety Trials

(12 Total Locations; All Mississippi and All Louisiana)

Top #10 Entries across South Delta!

MSU and LSU AgCenter OVTs Combined (All Locations)



•2013 Mississippi State and LSU AgCenter Official Variety Trials
(12 Locations; All Mississippi and All Louisiana)

Industry-Leading PhytoGen Fiber Quality: 2013 MSU OVT (Stoneville - Irrigated)

Variety	Lint Yield†	Lint	Length	Mic.	Strength	Uniformity
Name	(lb/acre)	(%)	(in.)	- - - -	(g/tex)	(%)
PHY 375 WRF	2548	0.447	1.13	4.7	31.2	84.0
Px312b51WRF	2531	0.442	1.17	4.7	31.6	85.0
PHY 333 WRF	2524	0.445	1.18	4.7	31.4	84.7
Px444413WRF	2408	0.448	1.25	4.3	32.4	85.8
ST 4946GLB2	2373	0.418	1.19	5.0	34.0	84.5
PHY 339 WRF	2284	0.436	1.17	4.6	32.0	84.9
DP 1321 B2RF	2183	0.440	1.13	5.2	33.0	84.6
DP 0912 B2RF	2083	0.430	1.12	5.4	31.3	84.1

**MSU Official Variety Trial Data 2013*

Miscellaneous Data and Pictures

Cotton Variety x N Trial
2013

Sh

Ts

Cm

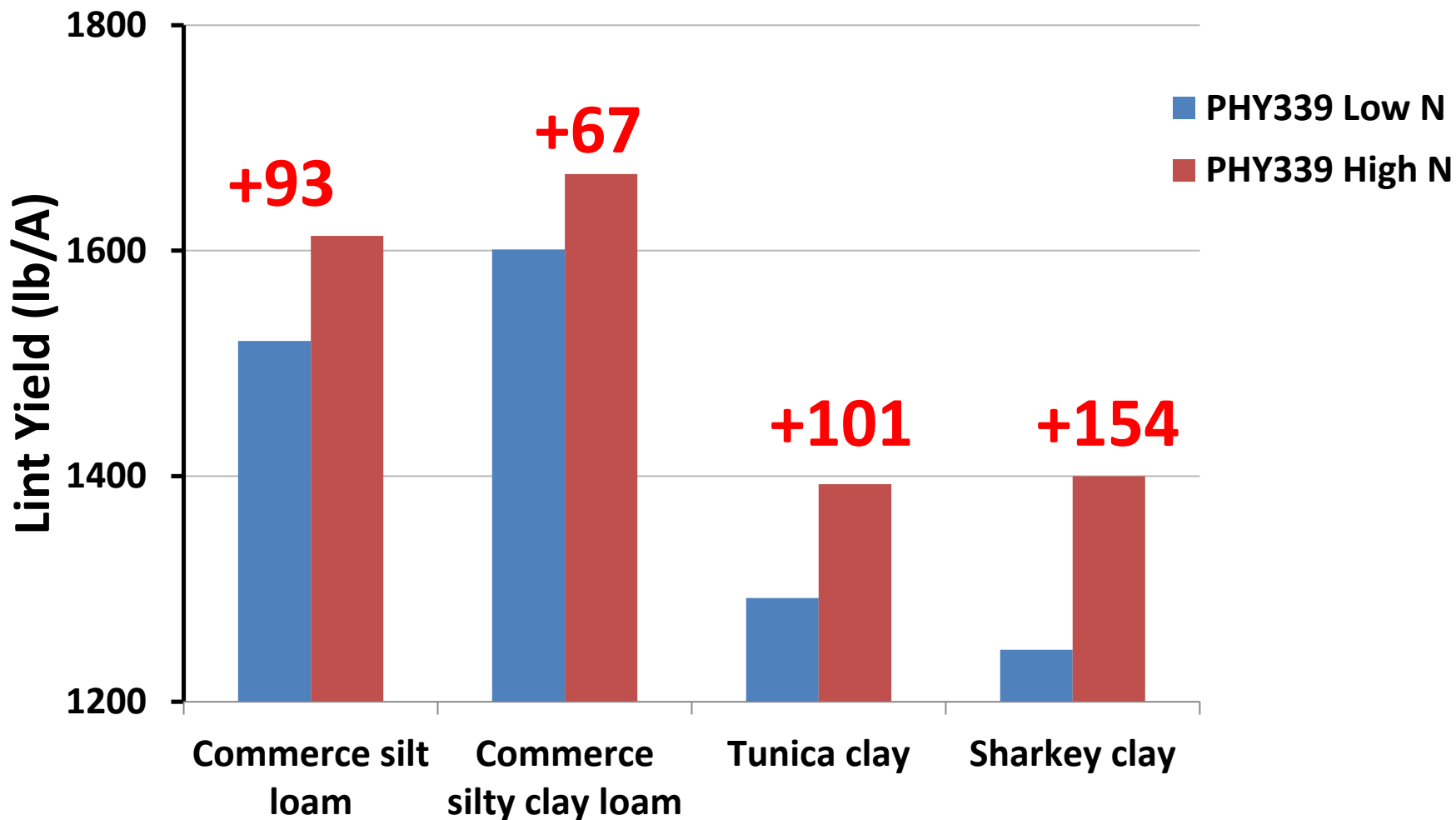
Co

Cotton Lint Yield
lbs/A

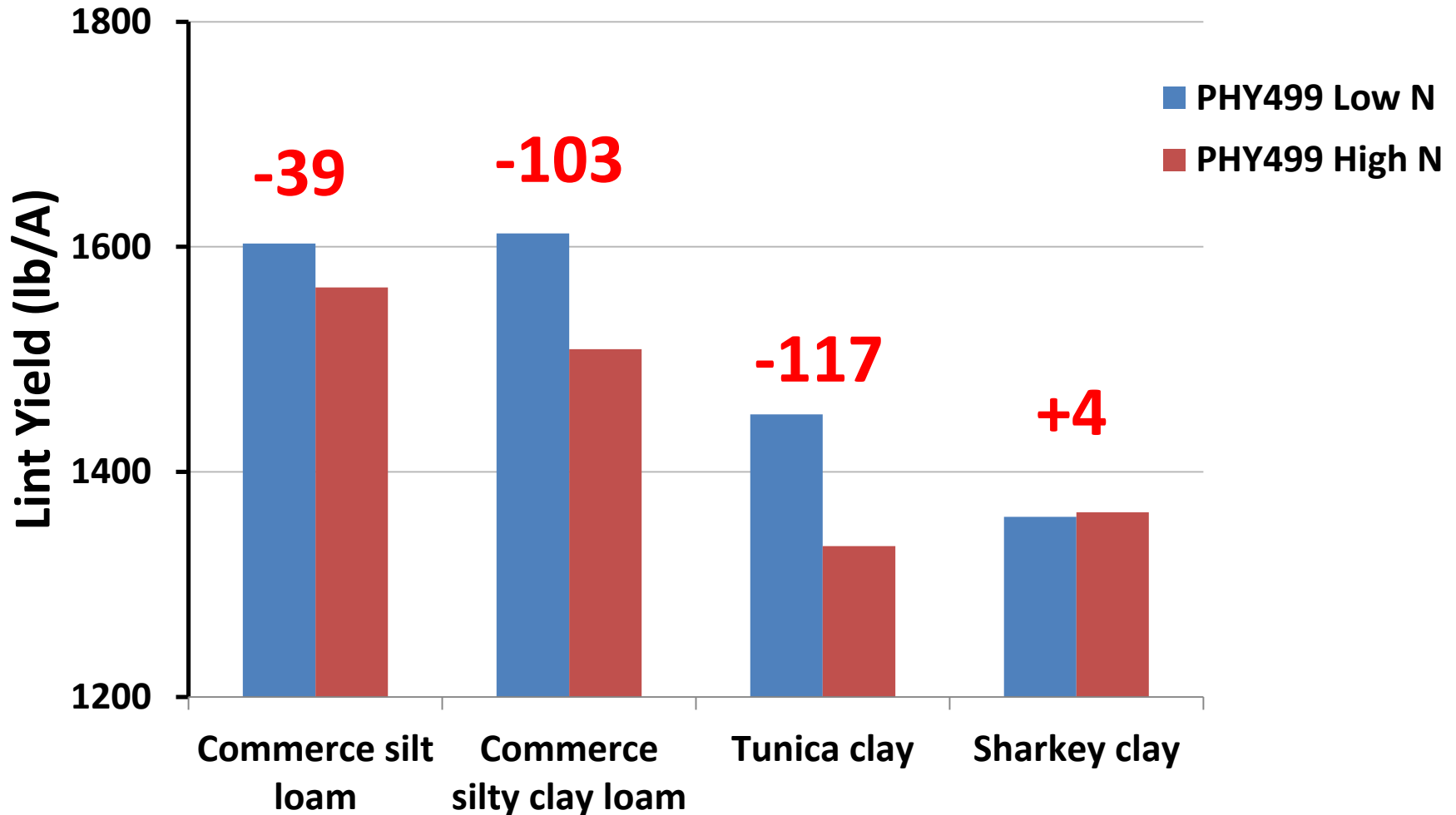
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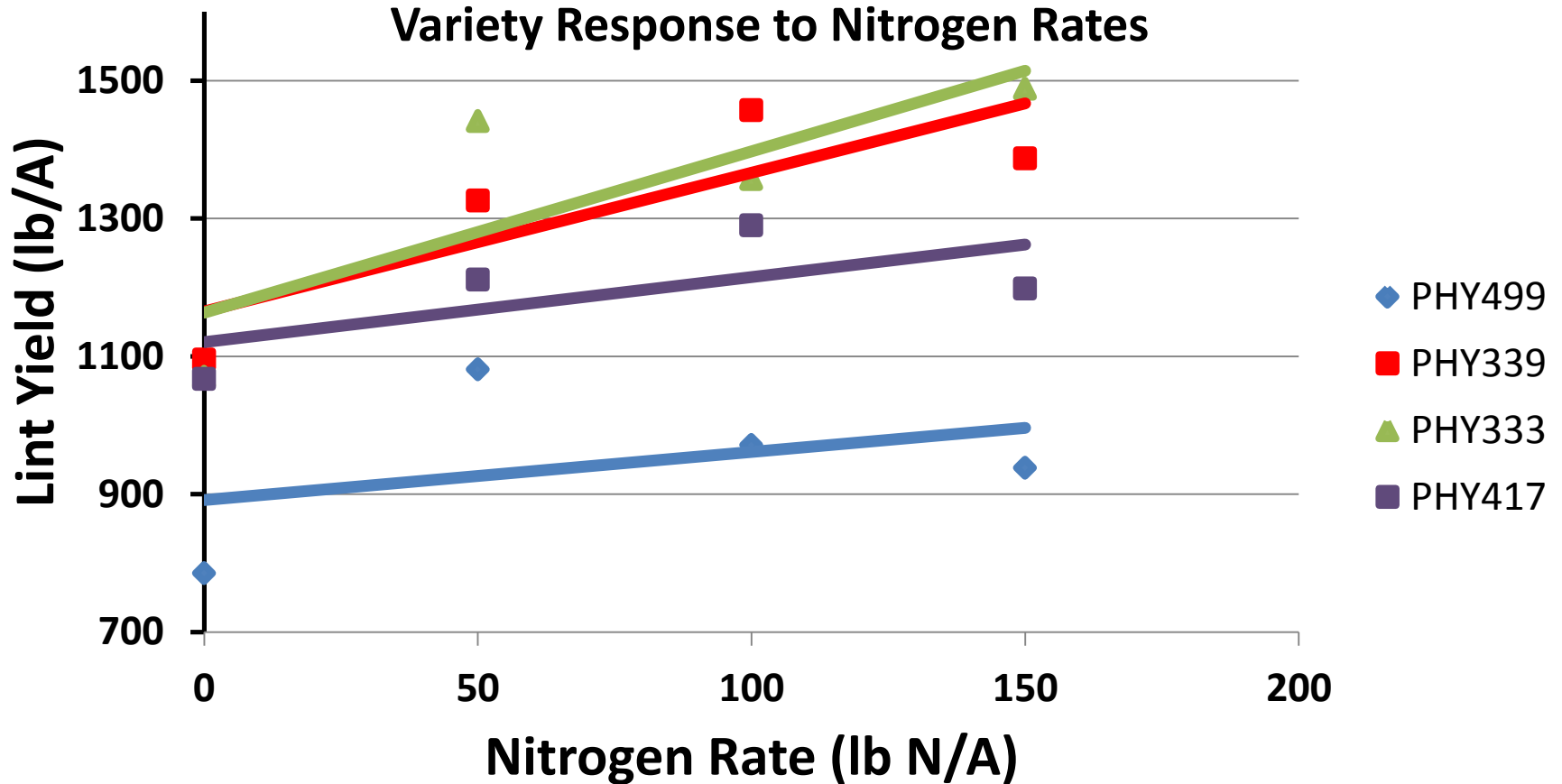
Precision Ag Trial (Nitrogen x Variety)



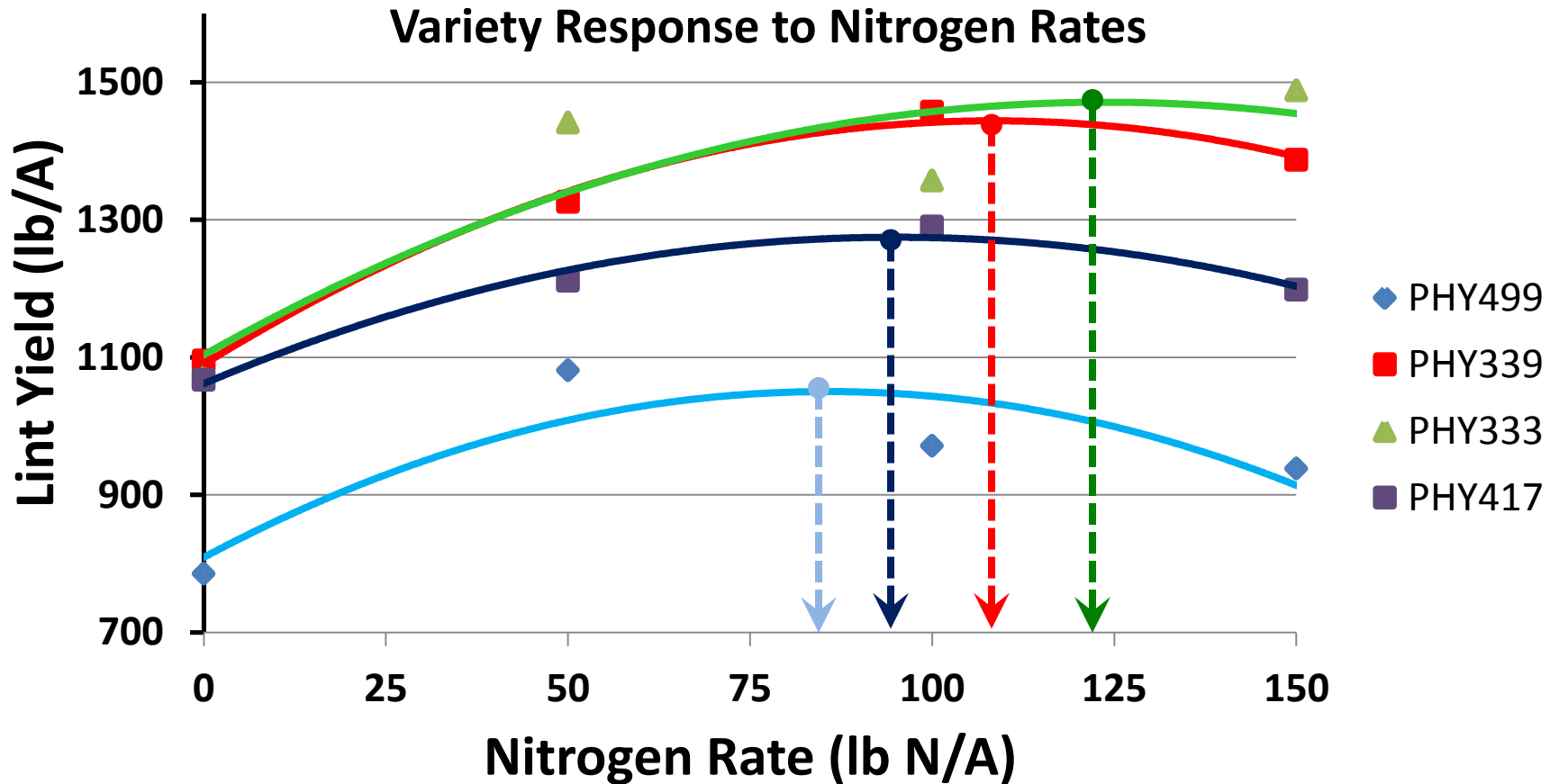
Precision Ag Trial (Nitrogen x Variety)



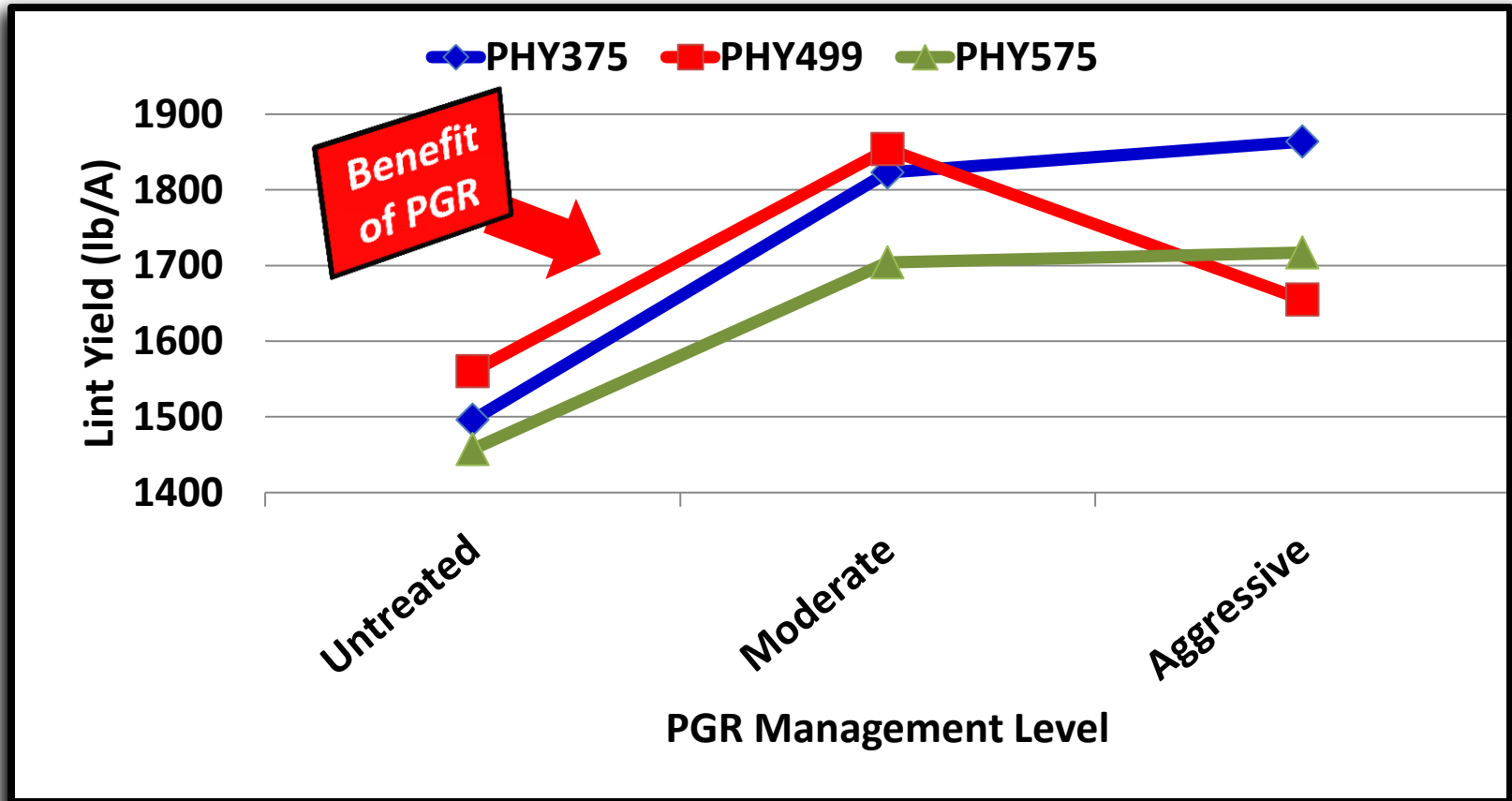
Fertility Research (MSU, Golden & Blanche)



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PGR Research Trial (MSU, Blanche & Dodds)



**Note: PhytoGen Systems Research Trial, with MSU (Dodds), comparing Untreated, Moderate, and Aggressive PGR programs.*

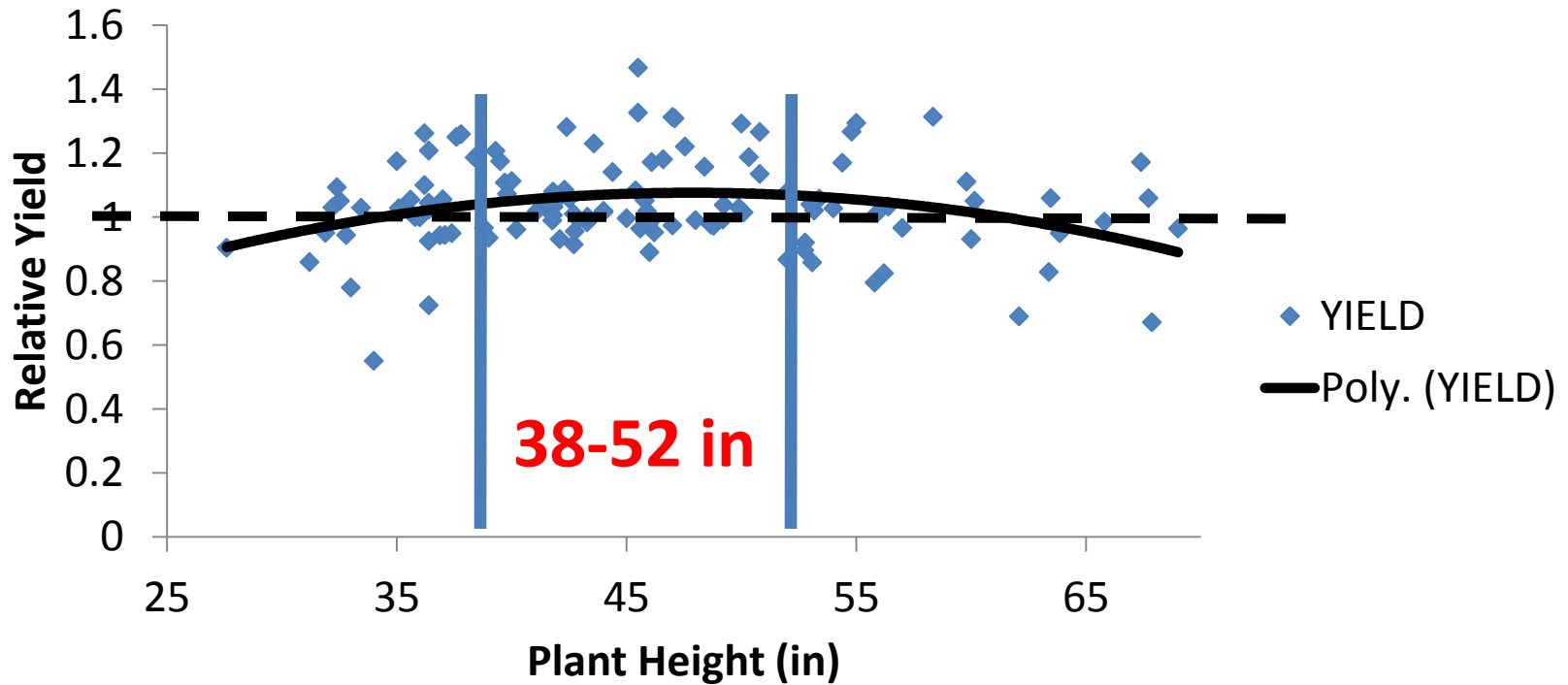
*** 2012 PhytoGen Systems Research; Starkville, MS**





PHY 499 WRF – Optimal Plant Height

Plant Height vs. Lint Yield





PHY339 @ 0# N



PHY339 @ 50# N



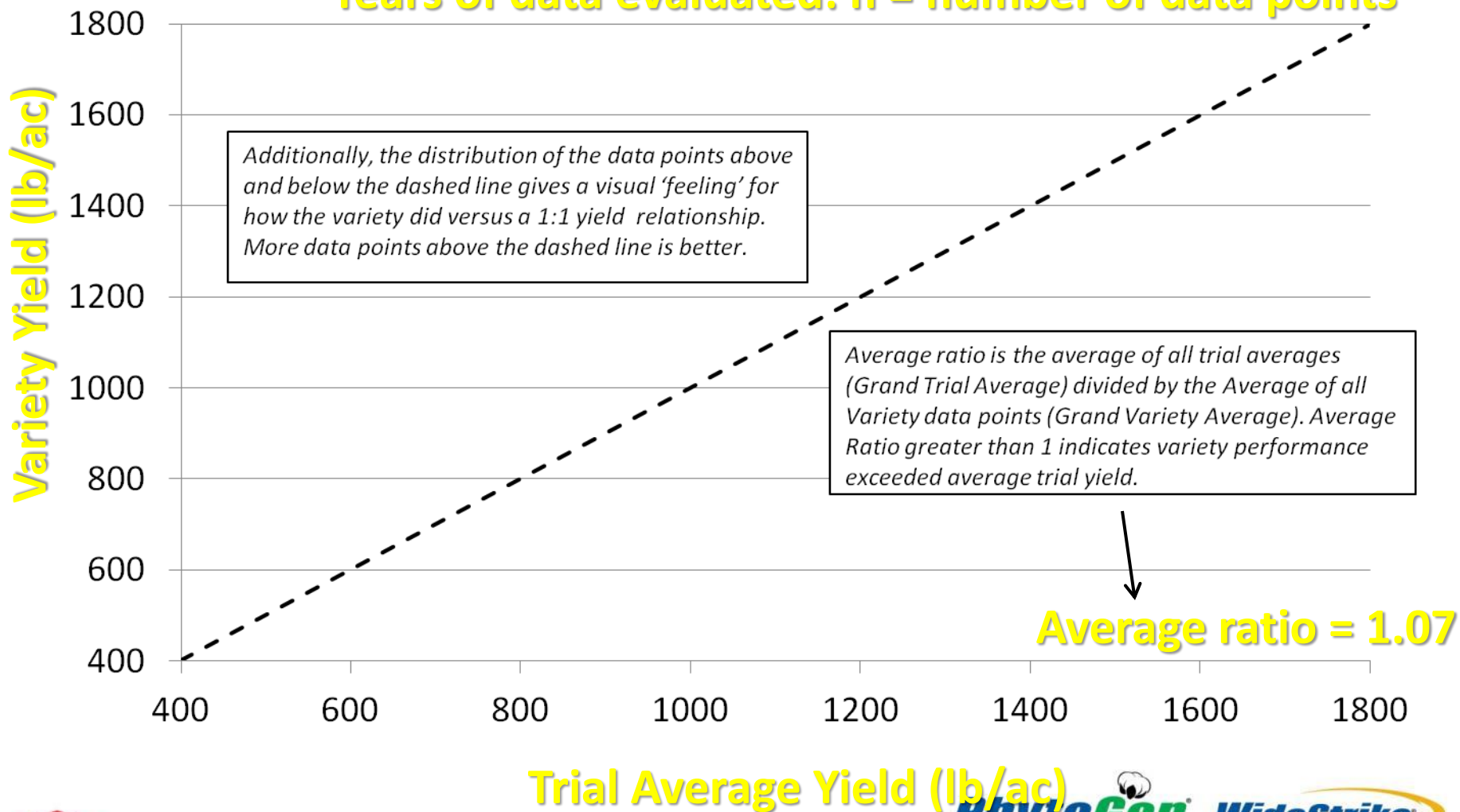
PHY339 @ 100# N



PHY339 @ 150# N

Variety Name

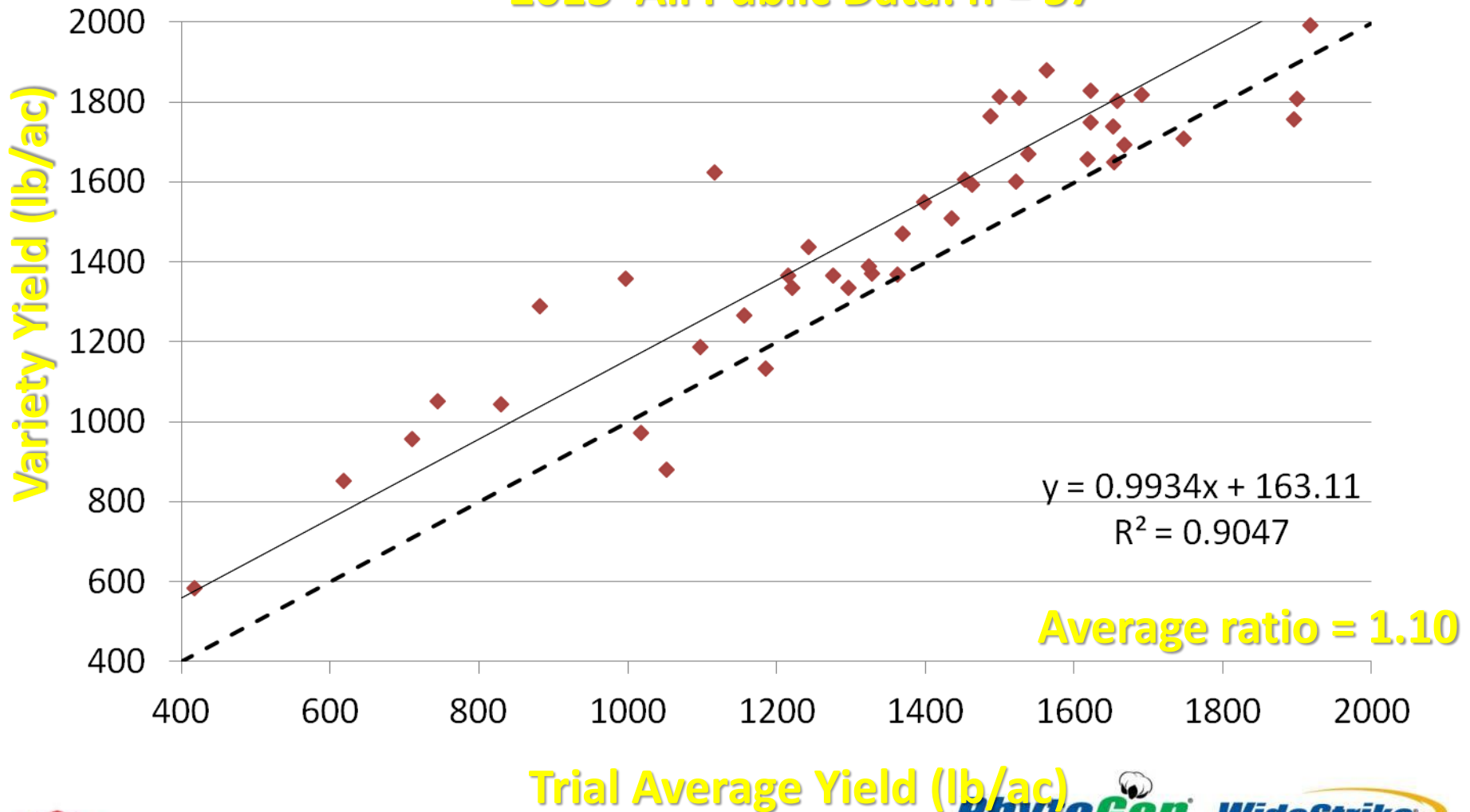
Years of data evaluated: n = number of data points



Trial Average Yield (lb/ac)

PHY 333 WRF

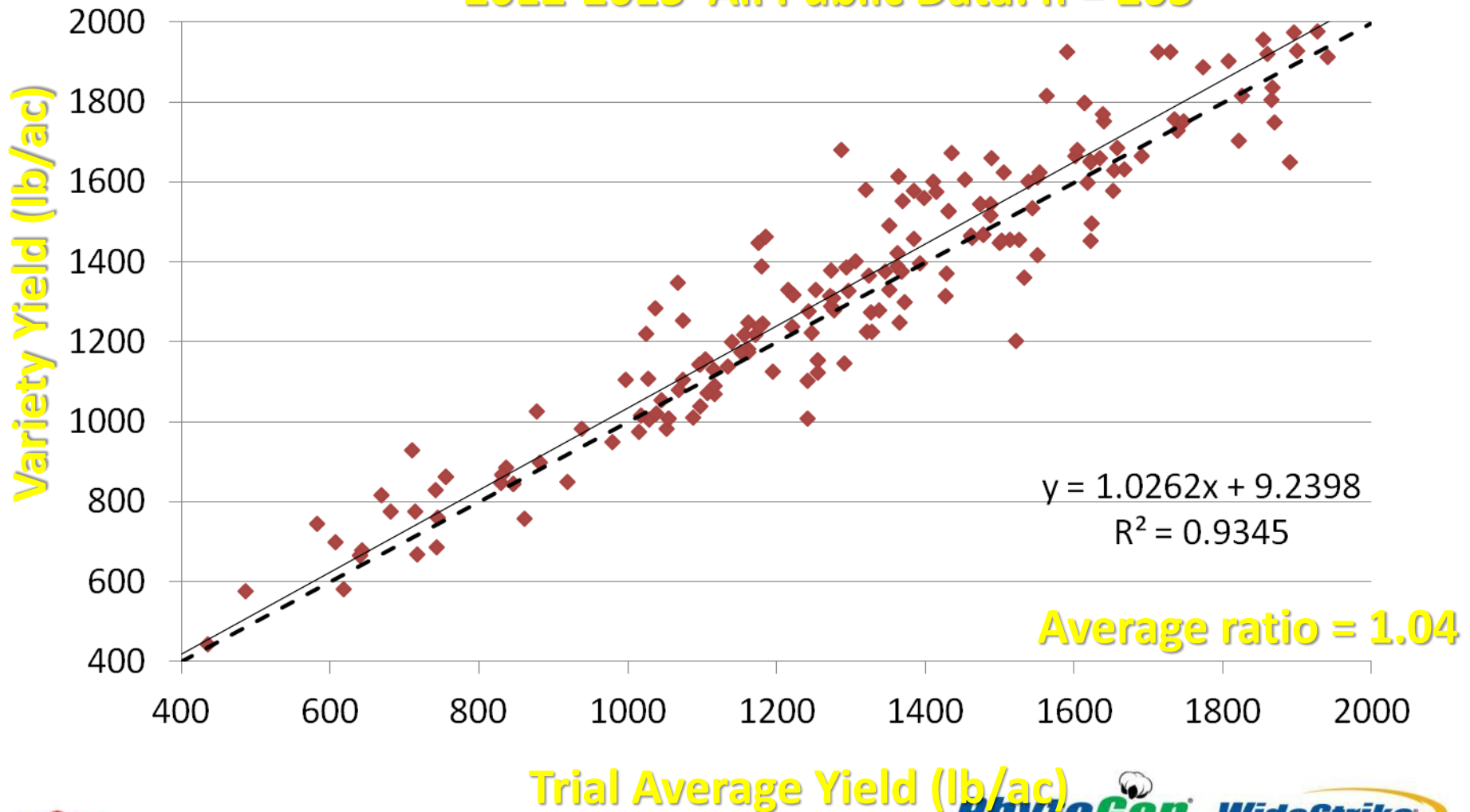
2013 All Public Data: n = 57



Trial Average Yield (lb/ac)

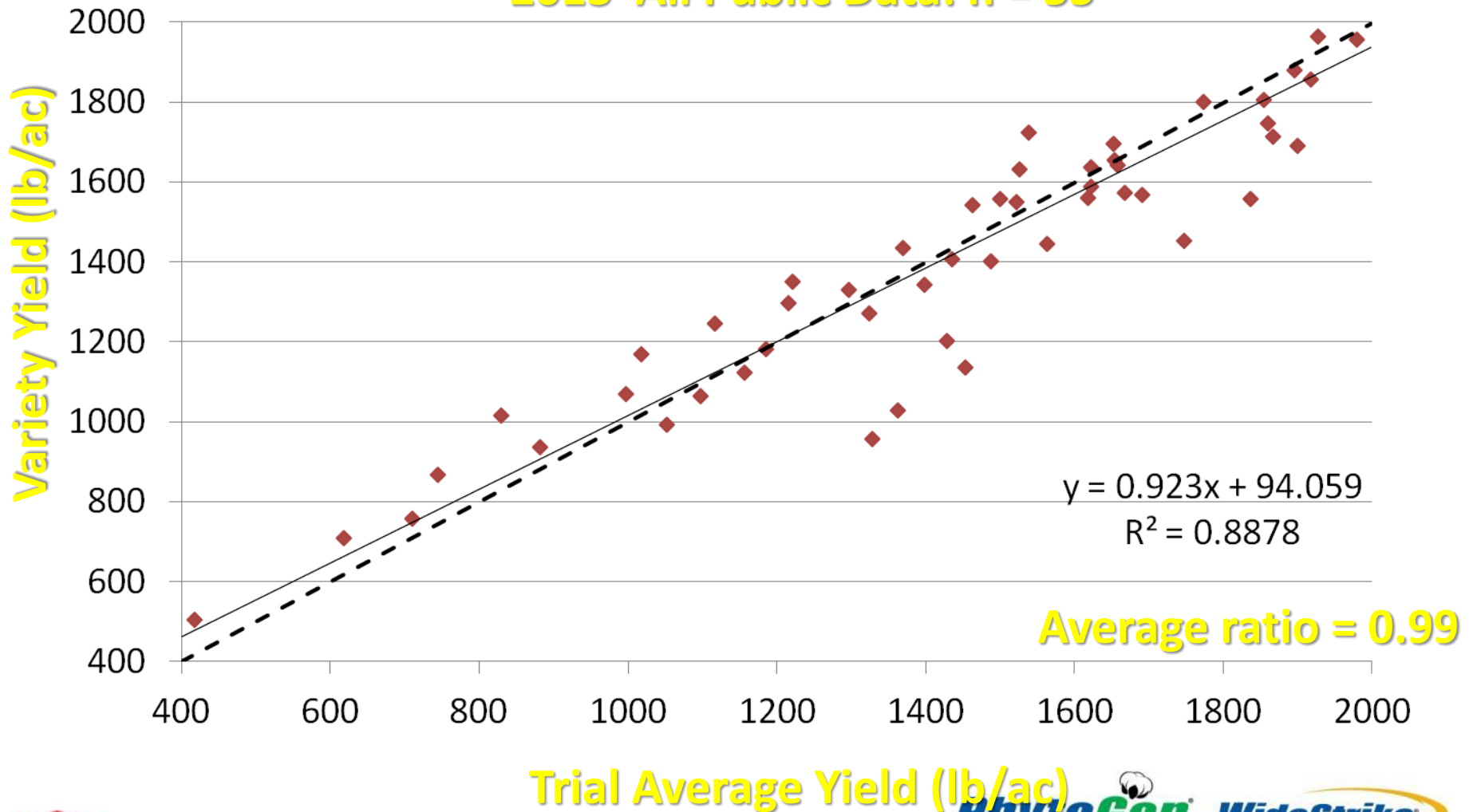
PHY 339 WRF

2012-2013 All Public Data: n = 203



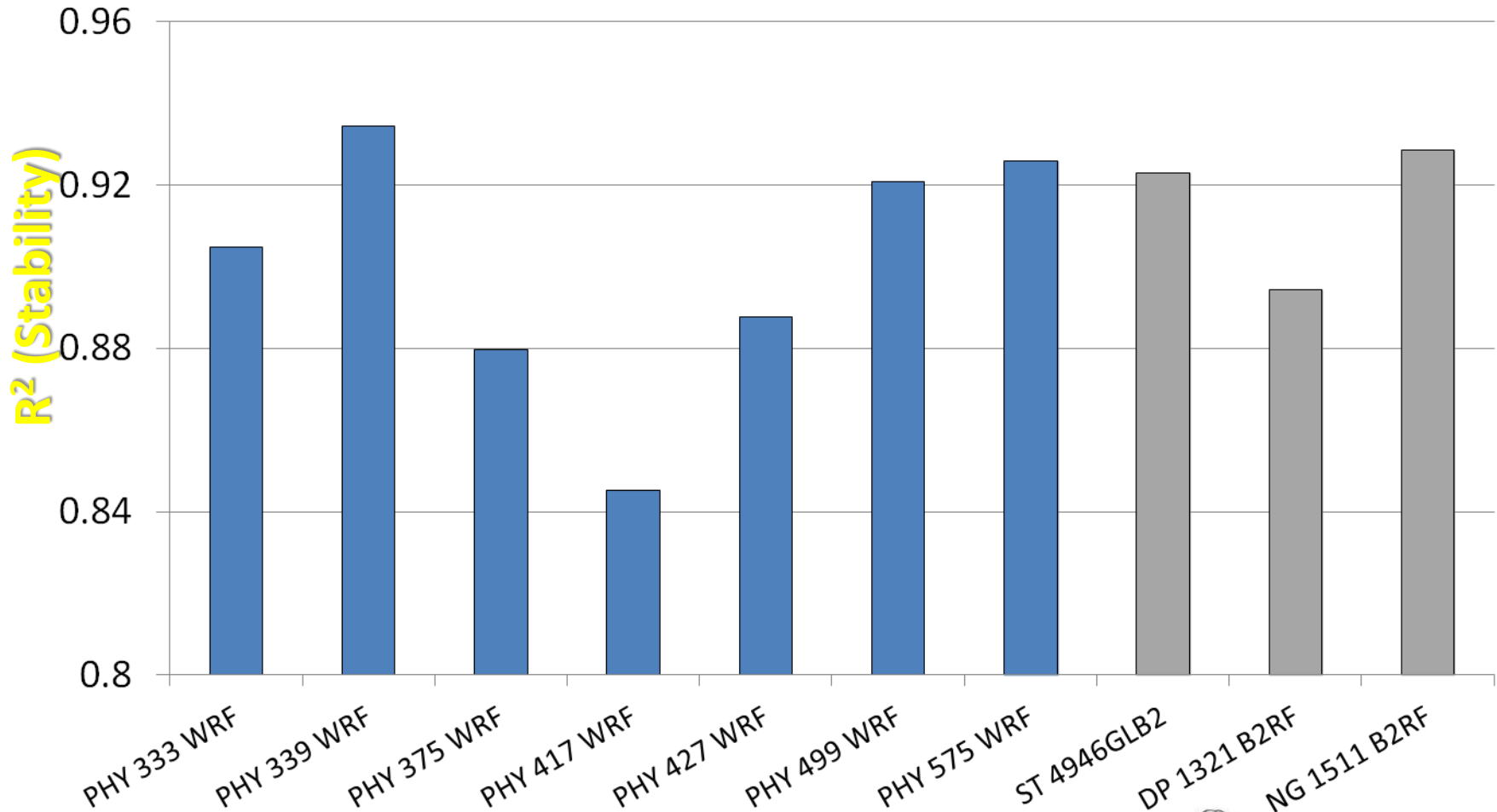
PHY 427 WRF

2013 All Public Data: n = 55



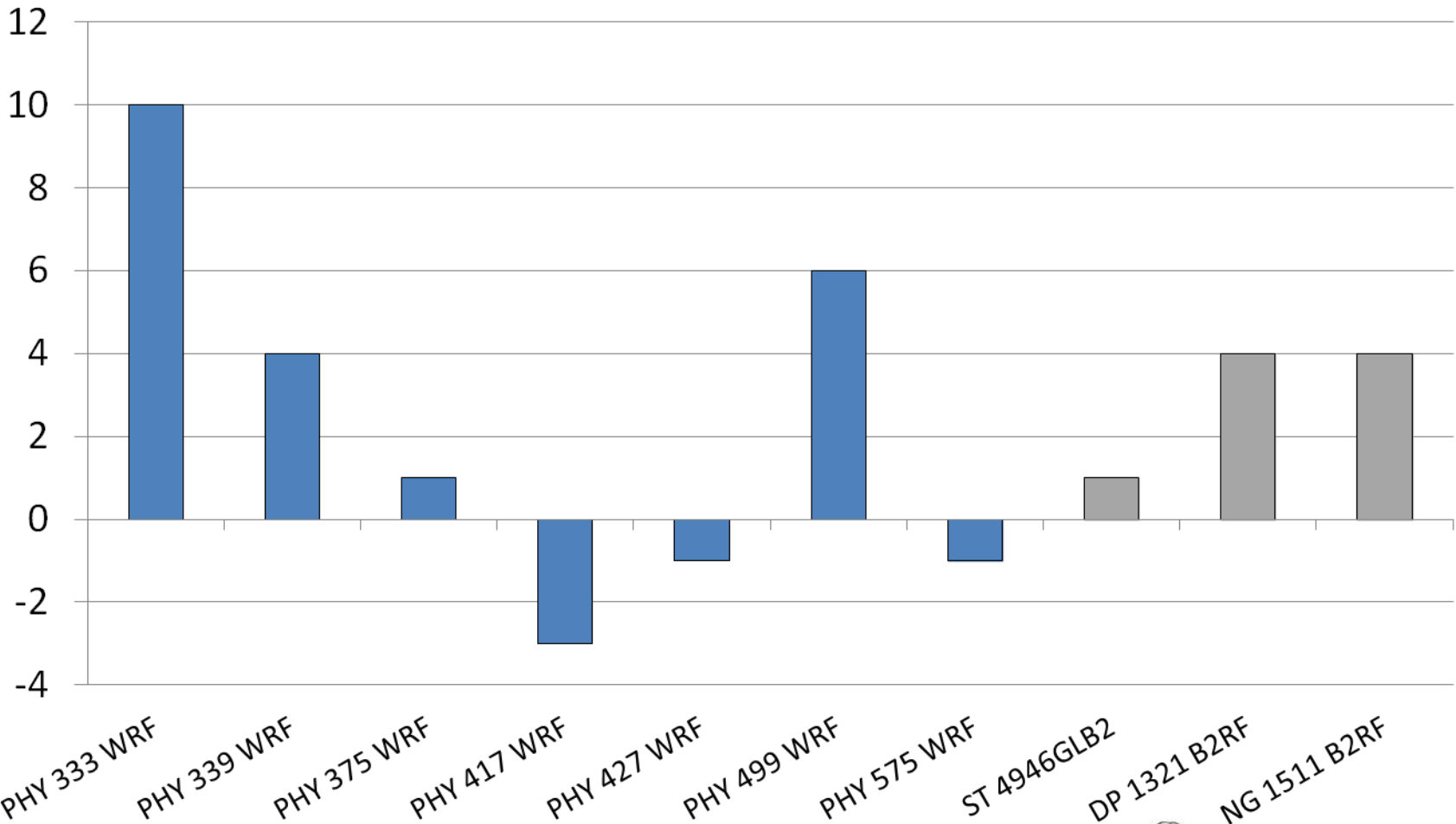
Trial Average Yield (lb/ac)

Variety Yield Stability



Yield Average Ratio

% Difference From Trial Averages





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Thank You