



# PhytoGen Update 2/17/16

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# 2016 Seed Treatments

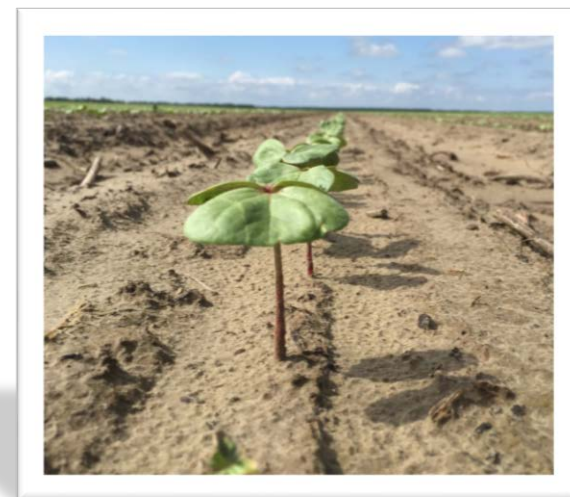
**PhytoGen will offer a unique combination of industry leading seed treatments**

- Insecticide + Fungicide
  - **Imidacloprid + Dynasty (ID)**
    - Replaces Gaucho + Trilex (GT) and Cruiser + Dynasty (CD)
- Insecticide + Fungicide + Nematicide
  - **Imidacloprid + Dynasty + Avicta (IDA)**
    - Replaces GTA and Avicta Complete Cotton (ACC)
- Base M (untreated)

# New Phytogen Varieties

## PHY 490 W3FE

- Mid Maturity
- Medium-Tall Height
- Excellent Seedling Vigor
- Enlist Herbicide Trait Platform
  - 2,4-D Choline
  - Glyphosate
  - Glufosinate
- Widestrike 3 Insect Protection
  - 3-Gene *Bt* for add'l bollworm
- Fully Resistant to Bacterial Blight
- Limited Launch in 2016



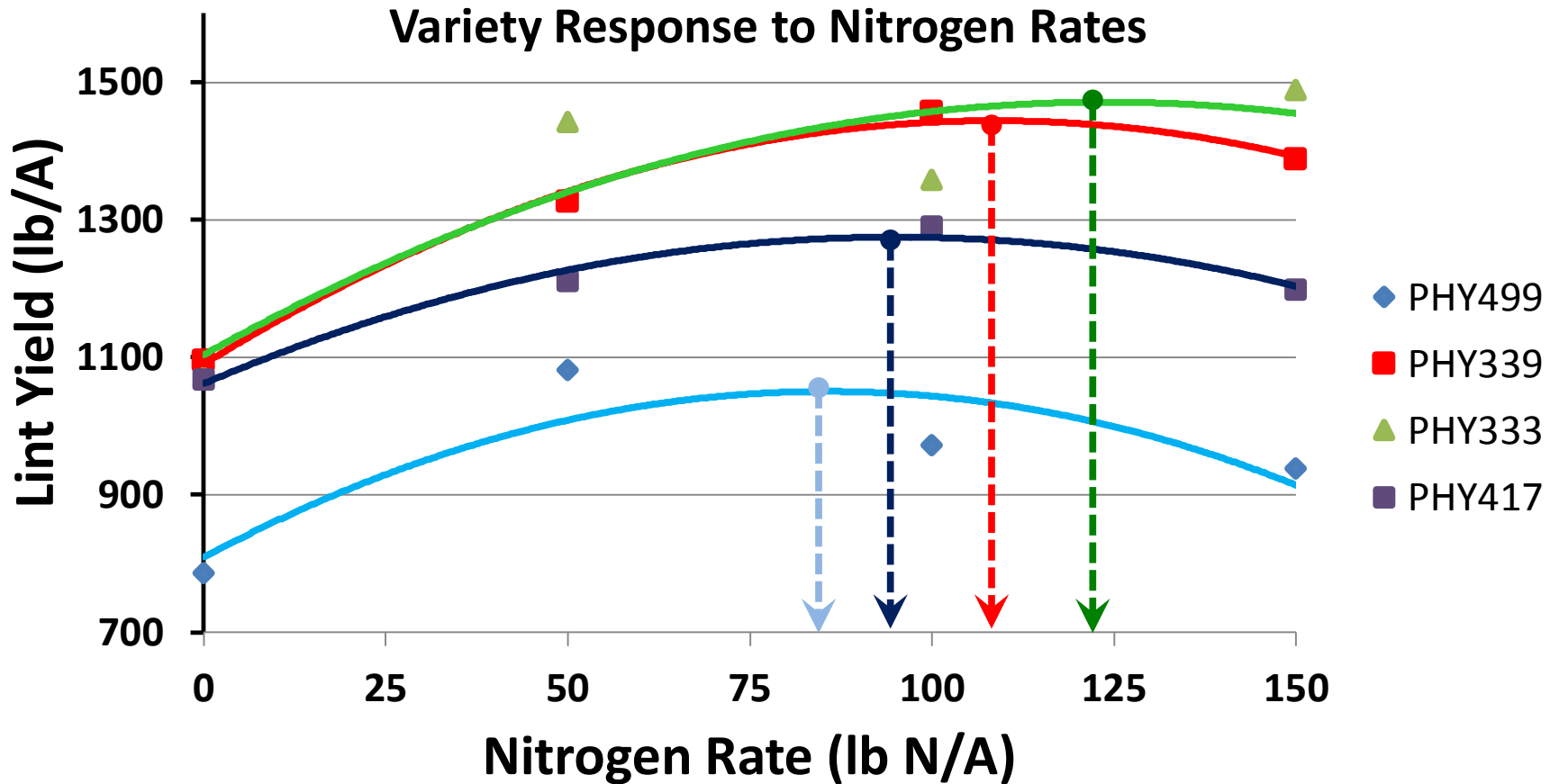
# New Phytogen Varieties

## PHY 312 WRF

- Early-Mid maturity
- Superior yield potential
- Hairy leaf
- Medium-Tall plant height
- Very low micronaire
- Partial tolerance to Bacterial Blight
- Performs in all areas
  - Exceptional on fertile/irrigated
  - #1 in MSU Delta OVTs (2013, 2014); #4 in 2015



# Fertility Research (MSU, Golden & Blanche)



# New Products

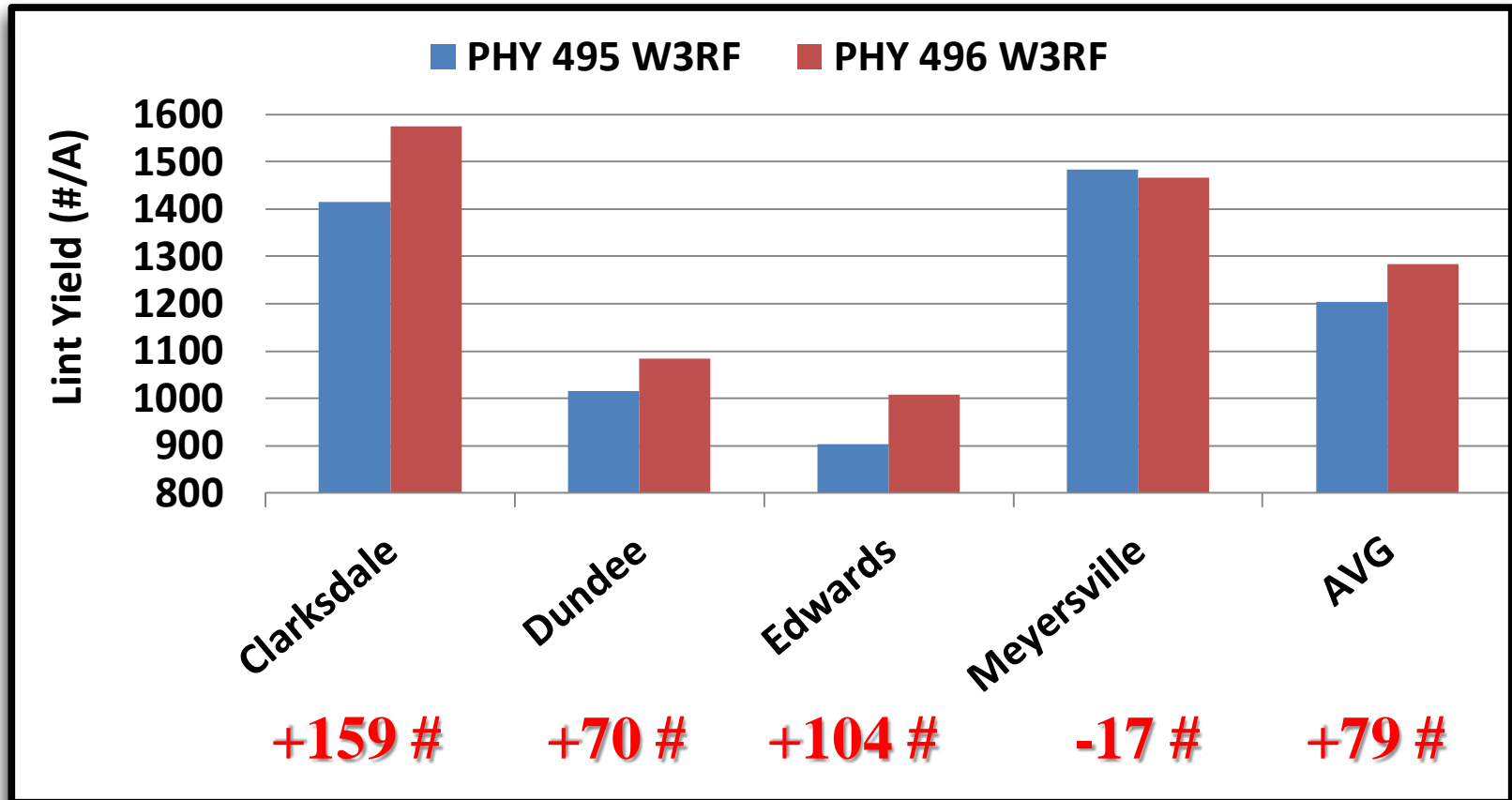
## PHY 496 W3RF

- Mid maturity
- Improved bollworm control
- PHY499 background
- **3-Gene *Bt* protection**
- Medium to Medium-Tall
- Excellent fiber
- High Yield Potential



# PHY495W3RF and PHY496W3RF

2015 MSU County Trials, 4 Total Locations





# New Phytogen Varieties

Allocated in 2016

## PHY 444 WRF

- Mid maturity, Medium Height
- Next Generation Fiber Quality
  - Length ~1 ¼” fiber (40 Staple)
  - Premium MIC (3.7-4.3)
  - Smooth leaf
- Responds well to PGRs
- Partial tolerance to Bacterial Blight
- Broad Adaptation
  - Outstanding on Dryland/Hills
  - #1 in MSU Hill/Dry OVTs (2013, 2014, 2015)





# Ater Cotton Variety Trial 2015

Sharkey Clay

Commerce Silty Clay Loam

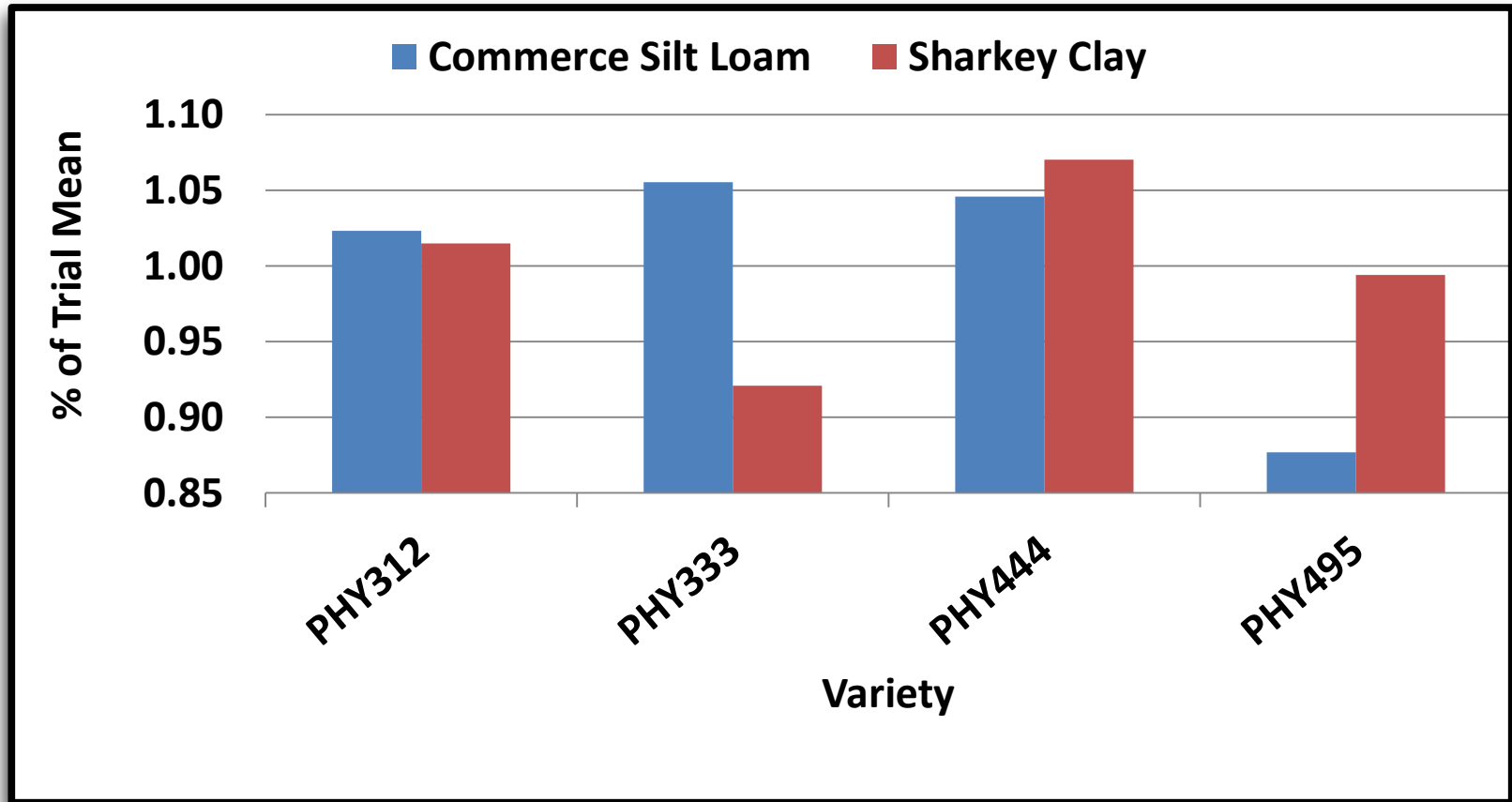
Commerce Silt Loam

## Cotton Varieties

- 312
- 333
- 444
- 495



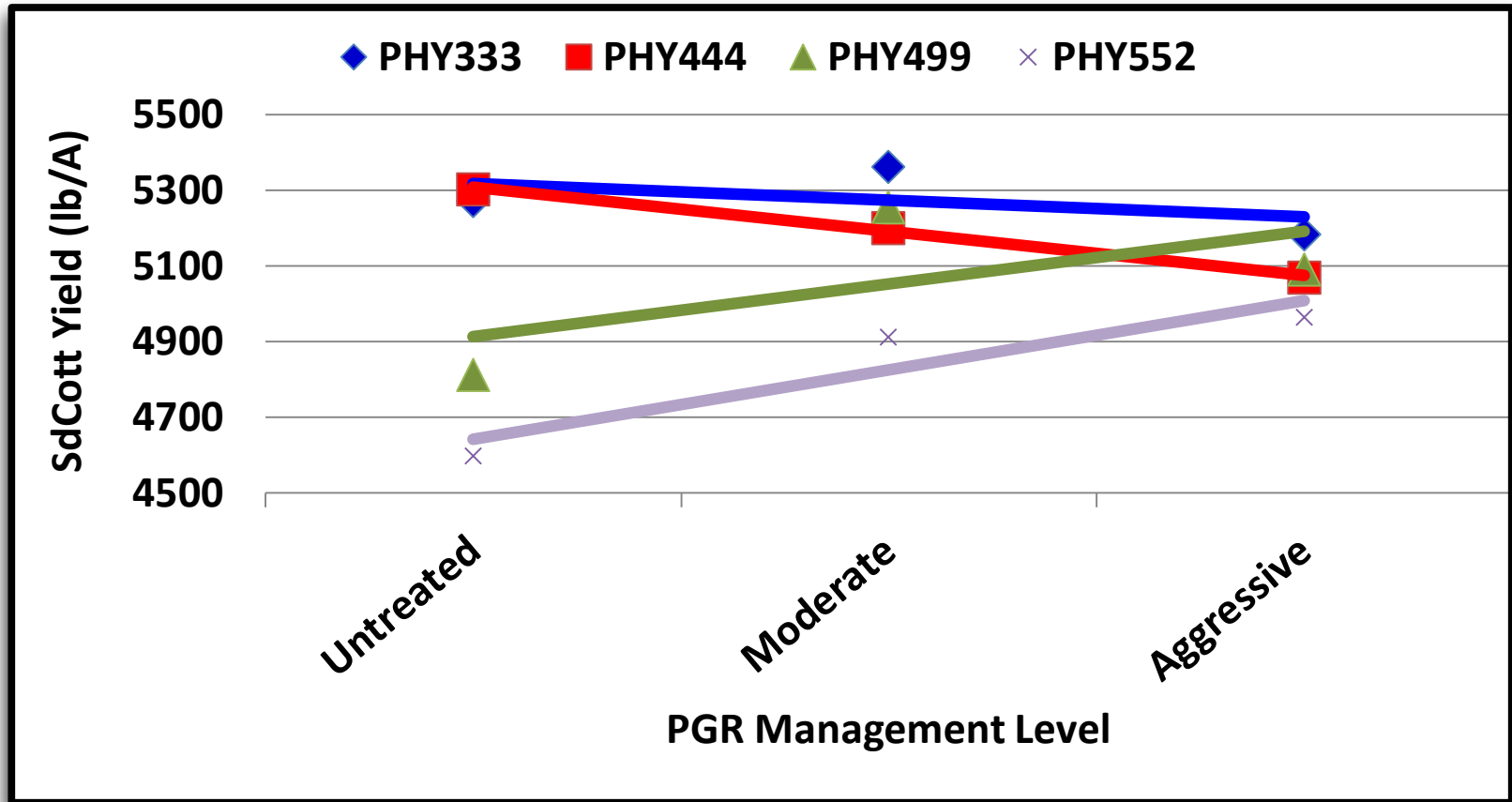
# Variety Adaptation to Soil Texture 2015



*\*Note: PhytoGen Systems Research Trial, with Mr. Dennis Burns, LSU AgCenter, comparing soils and irrigation programs.*

*\* Variety yield normalized by the Trial Mean*

# 2015 PGR Trial (Yield)

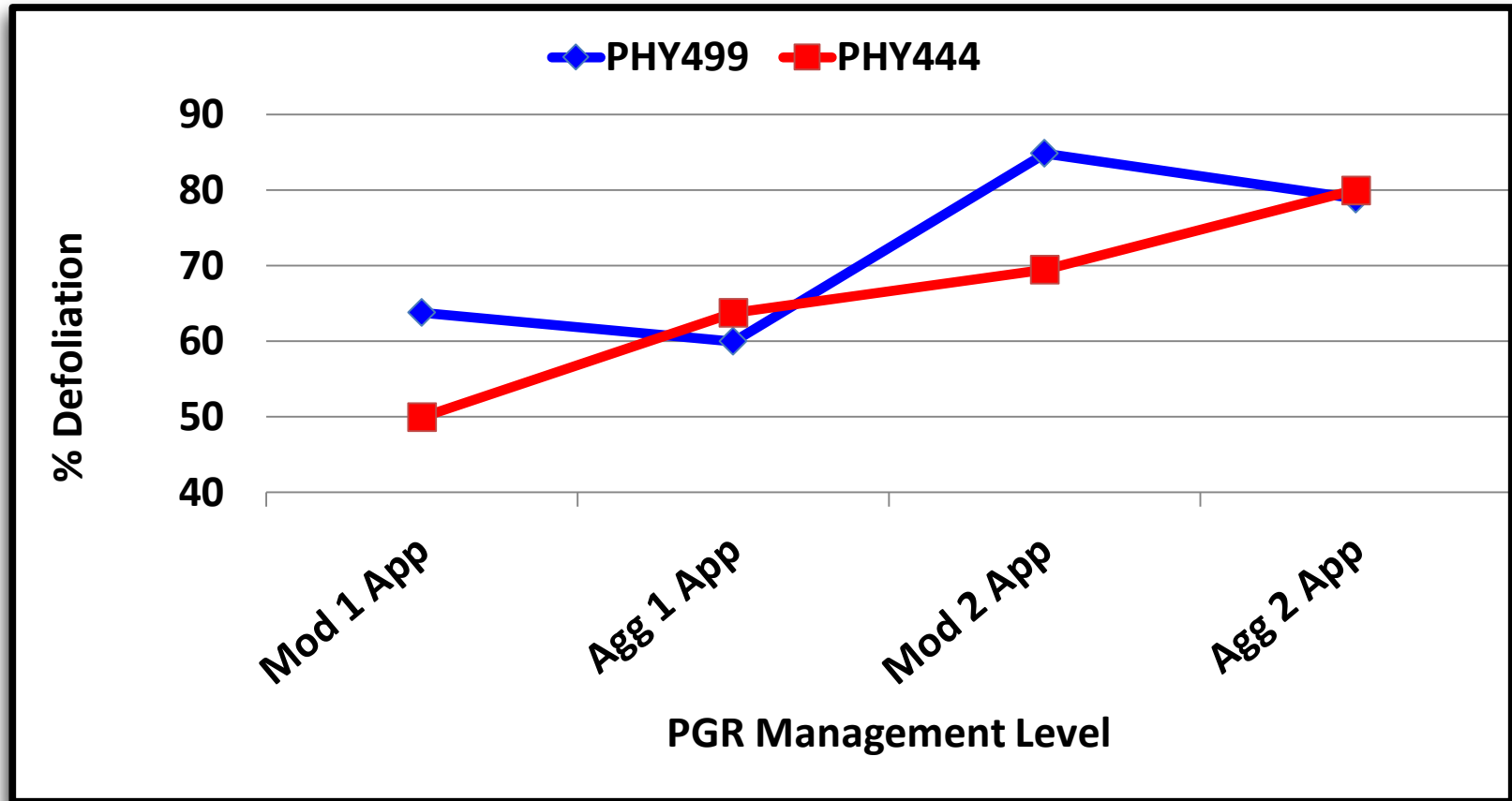


*\*Note: PhytoGen Systems Research Trial, with MSU (Dodds), comparing Untreated, Moderate, and Aggressive PGR programs.*

**\* Untreated=No PGR; Moderate=8 fb 16 oz; Aggressive=16 fb 16 fb 16 oz**



# 2015 Defoliation Trial (20DAA)

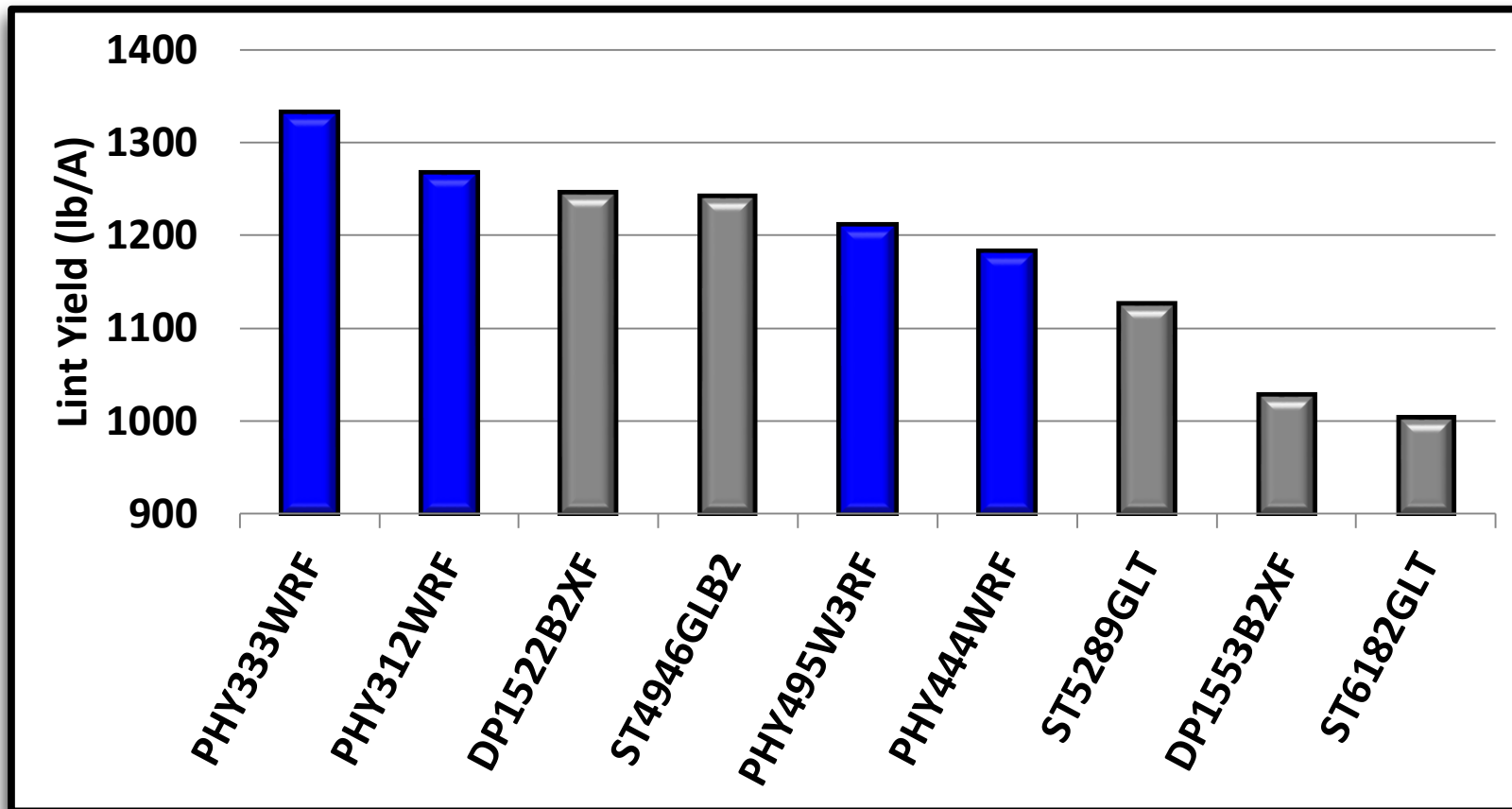


*\*Note: Phytogen Systems Research Trial, with MSU (Dodds), comparing defoliation regimes.*

*\*Mod1App, ccc; Agg1App, ccc; Mod2App, ccc; Agg2App, ccc.*

# Top #10 Varieties (2015 On-Farm)

2015 LSU AgCenter Ext. Trials (All Locations)



•(LSU Core Block Extension Trials: Average of 7 Total Locations)





# Thank You