



# PhytoGen Update 1/15/14

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Cotton Development Specialist

# 2014 Seed Treatments

- PhytoGen continues to offer growers **choice** by offering industry-leading premium seed treatments
- Gaucho + Trilex + Aeris (GTA)
- Gaucho + Trilex (GT)
- Avicta Complete Cotton w Bion (ACB)
- Cruiser + Dynasty (CRD)

# Variety Lineup

- Early-Mid Varieties

- *PHY 339 WRF*
- *PHY 333 WRF*
- *PHY 375 WRF*
- *PHY 427 WRF*

- Mid Varieties

- *PHY 495 W3RF*
- *PHY 499 WRF*



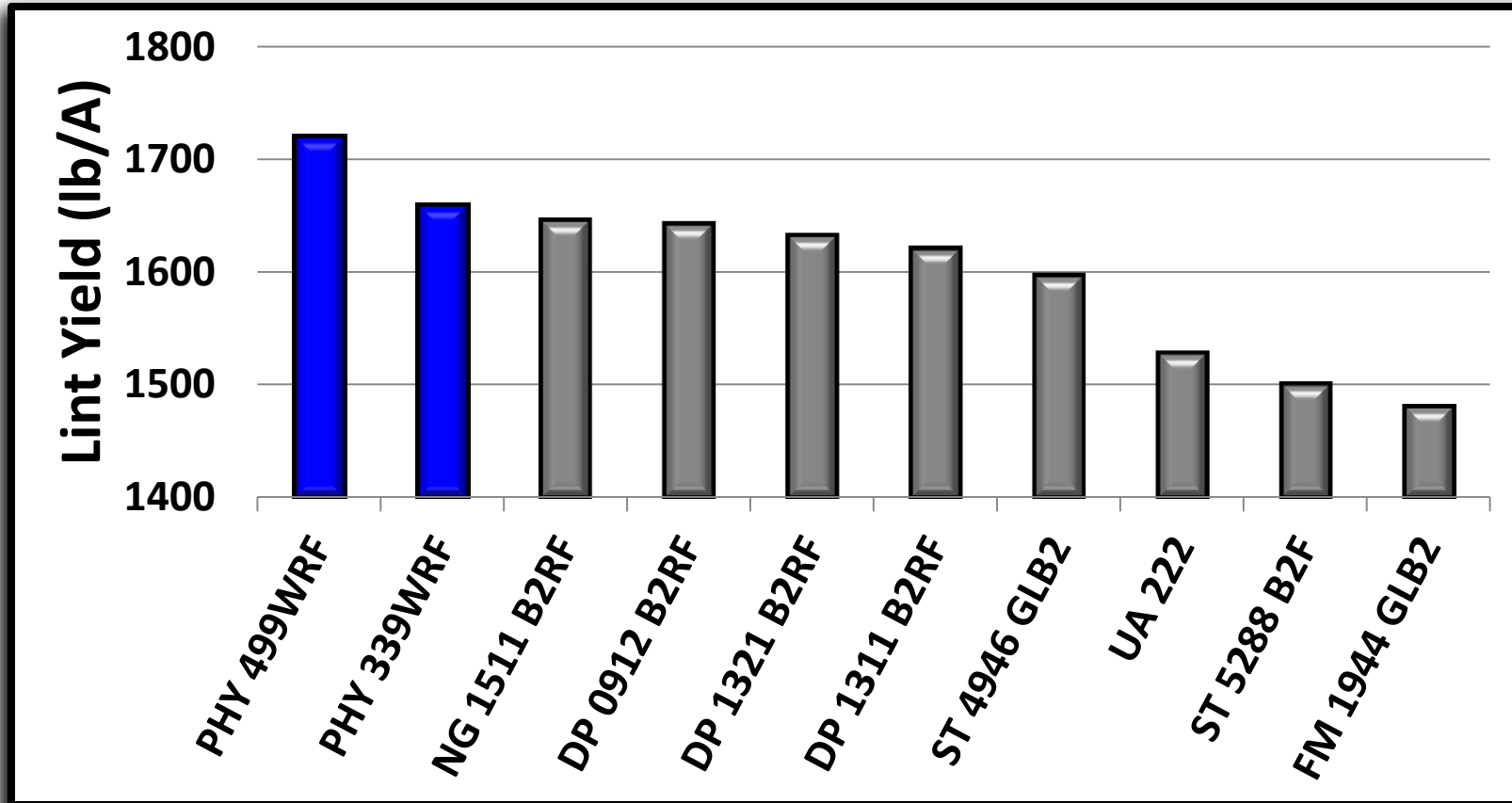
# New Products

## PHY 339 WRF

- Early maturing (~PHY375)
- Close fruiting structure
- Improved fiber quality over PHY375!
- Semi-smooth leaf
- Excellent seedling vigor
- Resistant to Bacterial Blight
- Great complement to PHY 499 WRF



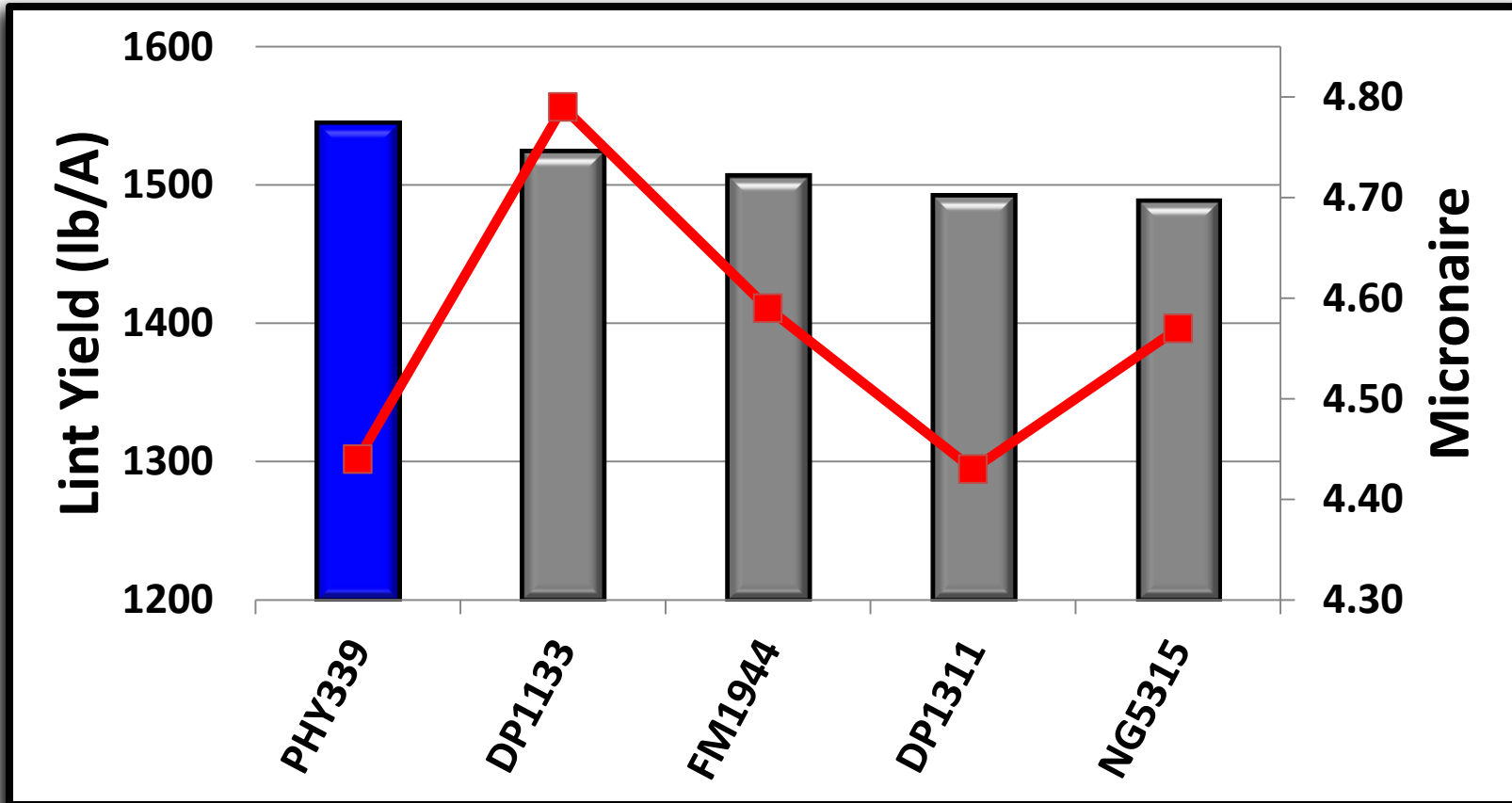
# Top #10 Entries (2-Year Dataset): 2012 & 2013 LSU OVT (All Irrigated Locs)



•LSU AgCenter Official Variety Trials 2012 and 2013

(6 IRR Locations: Bossier Silt Loam, St. Joe Clay, Winnsboro Silt Loam)

# Top #5: 2013 LA Core Block (All Locs)



\* LA Core Block Extension Trials 2013 (9 Location Average)



# New Products

## PHY 333 WRF

- Early maturing
- Excellent yield potential
- Broadly adapted
- Improved fiber quality over PHY375!
- Hairy leaf
- Medium-Tall
- Very good micronaire
- Can go anywhere
  - Good cotton ground

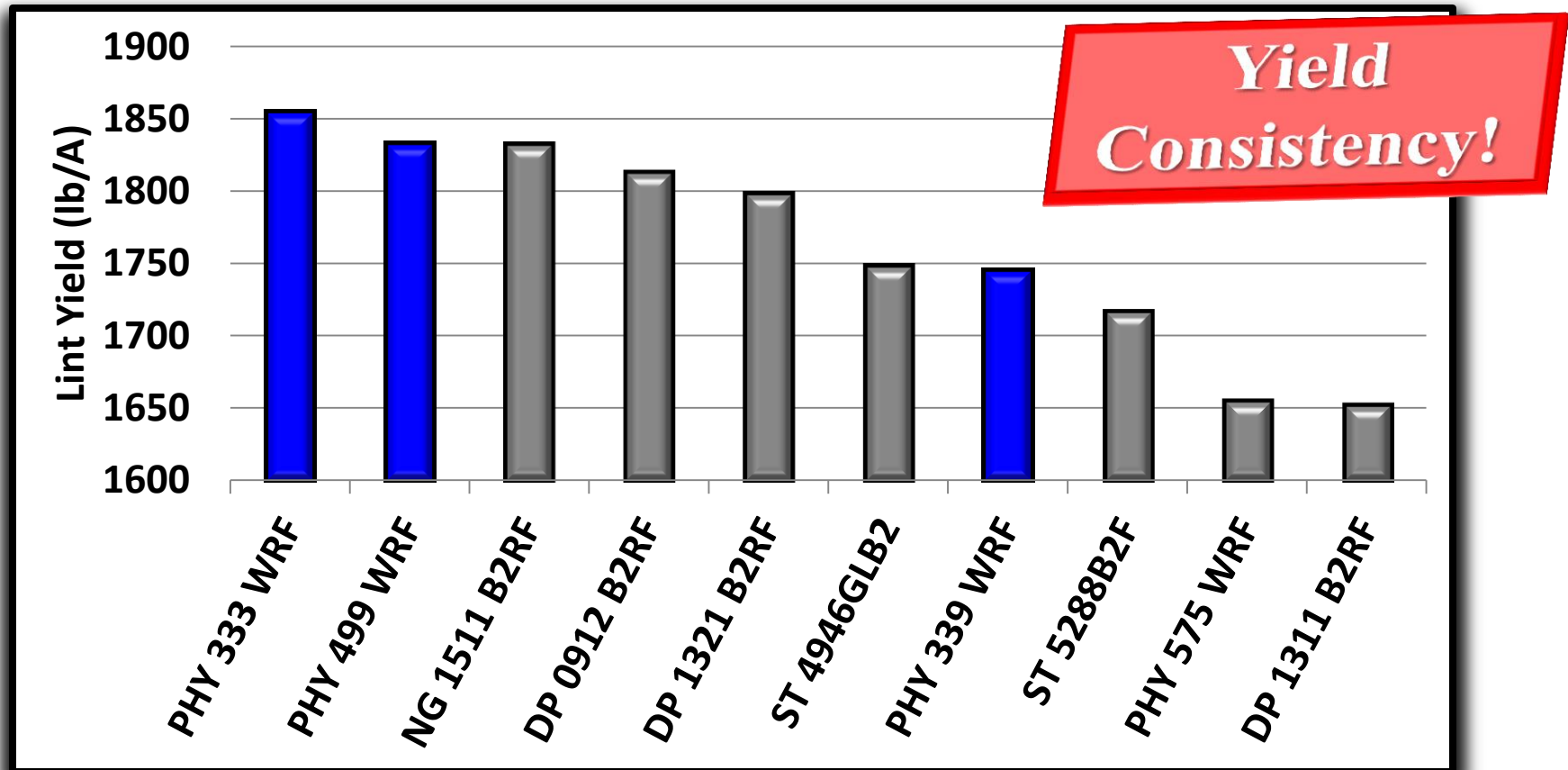


**Limited quantity in  
2014: Allocation**



# 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)

# New Products

## PHY 427 WRF

- Early-Mid maturity
- Highest level of RKN resistance
- Yield superiority in RKN-environments
- Semi-smooth leaf
- Medium Height
- AOA: Lighter soils with Irrigation
- Protection is “always-on”



**Limited quantity in  
2014: Allocation**



**PHY 499 WRF**  
**Avicta**

**PHY 427 WRF.rk**  
**Cruiser**

# 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<sup>®</sup> 3**  
INSECT PROTECTION

# New Products

## PHY 495 W3RF

- Mid maturity
- Improved performance under lep pressure
- PHY499 background
- Semi-smooth leaf
- Medium to Medium-Tall
- Great fiber
- Adapted in Mid-South



**Limited quantity in  
2014: Allocation**

PHY 499 WRF

  
**PhytoGen**  
COTTONSEED

**WideStrike**

INSECT PROTECTION

 Dow AgroSciences

 Dow AgroSciences

# Phytogen Fiber Quality

Product	MIC	Length	Strength	Unif
PHY 333 WRF	<b>1.18</b>	<b>4.5</b>	31.0	84.8
DP 0912 B2RF	1.12	5.0	31.2	83.8
PHY 499 WRF	1.16	4.7	34.5	84.8
DP 1321 B2RF	1.15	4.8	33.2	84.5
Px444413WRF	<b>1.24</b>	<b>4.1</b>	32.3	85.7
PHY 339 WRF	<b>1.19</b>	<b>4.5</b>	32.5	84.8
ST 5288B2F	1.15	4.7	30.4	83.7

*\*2013 OVT Data (MSU 1-Yr Trial: All Location Average)*

# PHY 339 WRF

Early

Medium

Full

**Maturity:**



Dryland

Any

Full Irrigation

**Irrigation:**



Clay

Any

Sand

**Soil  
Texture:**



Very Responsive

Less Responsive

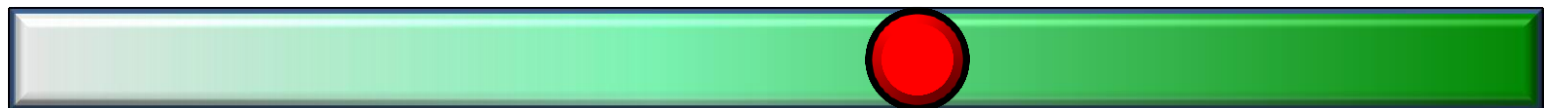
**PGR  
Mgmt:**



**Plant  
Date:**

Earlier

Later





# PHY 427 WRF

Early

Medium

Full

Maturity:



Dryland

Any

Full Irrigation

Irrigation:



Clay

Any

Sand

Soil  
Texture:



Very Responsive

Less Responsive

PGR  
Mgmt:



Plant  
Date:

Earlier

Later



# PHY 499 WRF

Early

Medium

Full

**Maturity:**



Dryland

Any

Full Irrigation

**Irrigation:**



Clay

Any

Sand

**Soil Texture:**



Very Responsive

Less Responsive

**PGR Mgmt:**



Earlier

Later

**Plant Date:**



# PHY 333 WRF

Early

Medium

Full

Maturity:



Dryland

Any

Full Irrigation

Irrigation:



Clay

Any

Sand

Soil  
Texture:



Very Responsive

Less Responsive

PGR  
Mgmt:



Plant  
Date:

Earlier

Later





# Thank You



Dow AgroSciences

