

# 2007 LA Corn Fungicide Results

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David Lanclos, Ph.D., Dean Lee Station  
Boyd Padgett, Ph.D., Scott Center, Winnsboro  
Clayton Hollier, Ph.D., Plant Pathology & Crop Phys.

# LA Corn Fungicide History

- Corn fungicide evaluations began in 2006
- Some early limited results indicated yield increases as much as 30 Bu/A in 2006
- 2007 corn prices surged and “spawned” tremendous interest in increasing corn yields
- 2007 yield results across the Midsouth are mixed at best

# 2007 LA Research/Extension Efforts

PRODUCT/RATE	# DATA POINTS*	YIELD RESPONSE
Domark (3.0)	1	16.2 Bu/A
Folicur (3.0)	4	2.80 Bu/A
Headline (6.0)	27	3.18 Bu/A
Quadris (6.0)	3	2.38 Bu/A
Quilt (14.0)	34	- 0.03 Bu/A
Stratego (10.0)	9	- 1.03 Bu/A

\* Replicated and non-replicated trials combined from Drs'. Padgett, Hollier and Lanclos

David Y. Lanclos, Ph.D.

Louisiana State University AgCenter



# 2007 MS Extension Efforts

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PRODUCT/RATE	# DATA POINTS*	YIELD RESPONSE
Headline (6.0)	5	- 0.2 Bu/A
Laredo (?)	5	- 1.0 Bu/A
Quilt (14.0)	5	- 0.6 Bu/A

- Data provided by Dr. Erick Larson, MS State Corn Agronomist. Data were generated in large plot field studies replicated four times per location. Locations included Belzoni, Itta Bena, Glendora, Shelby and Robinsonville.

# 2007 AR Extension Efforts

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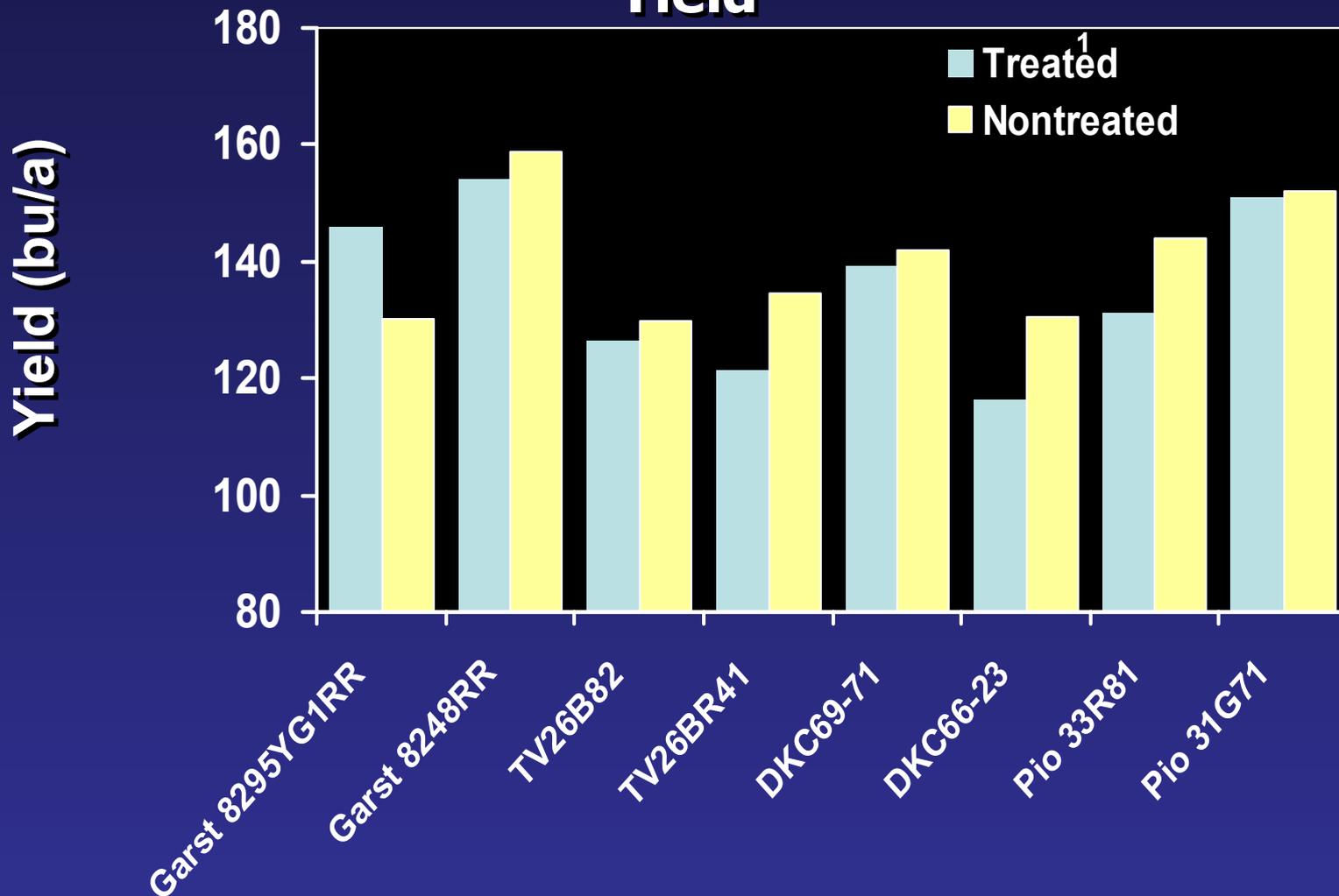
Verbal report from Dr. Jason Kelly,  
University of Arkansas, Corn  
Extension Agronomist

In ten replicated trials no statistical  
differences detected among any  
fungicide products



# 2007 Corn Fungicide

## Yield

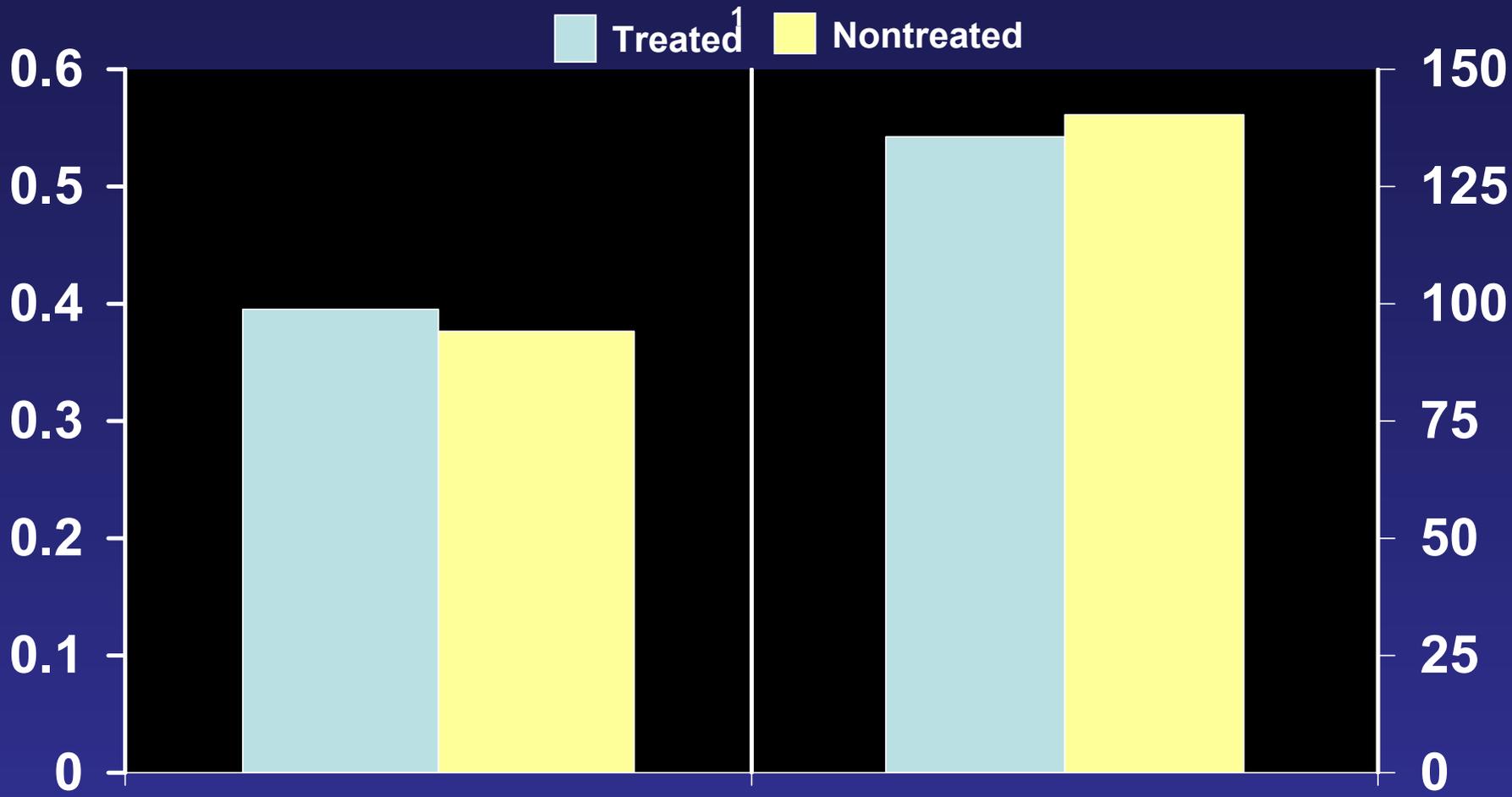


<sup>1</sup>Treated with Quilt @14 fl z/a

MRCN070

# 2007 Corn Fungicide

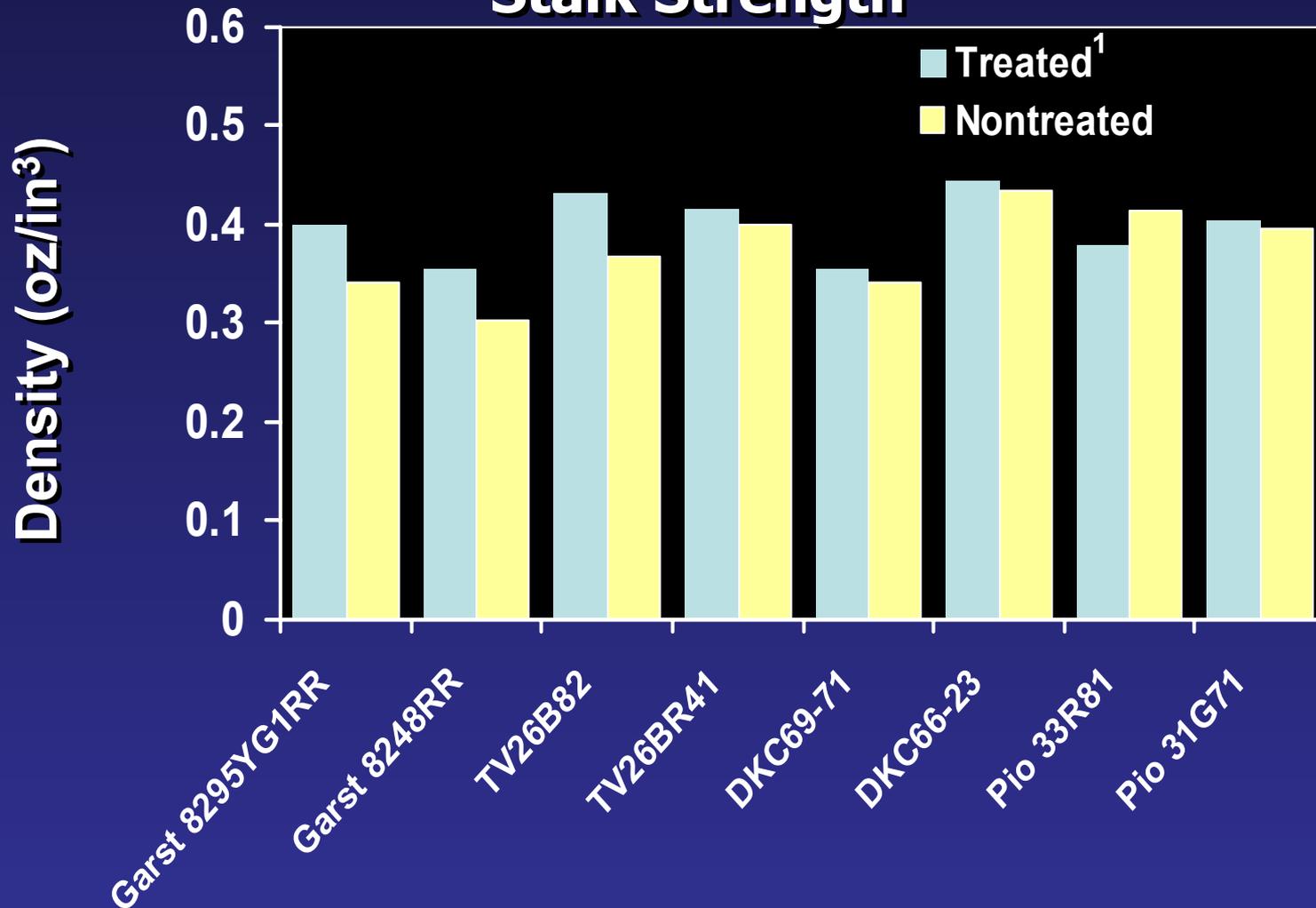
## Stalk Strength and Yield



Oz/Cubic Inches  
<sup>1</sup>Treated with Quilt @14 fl z/a

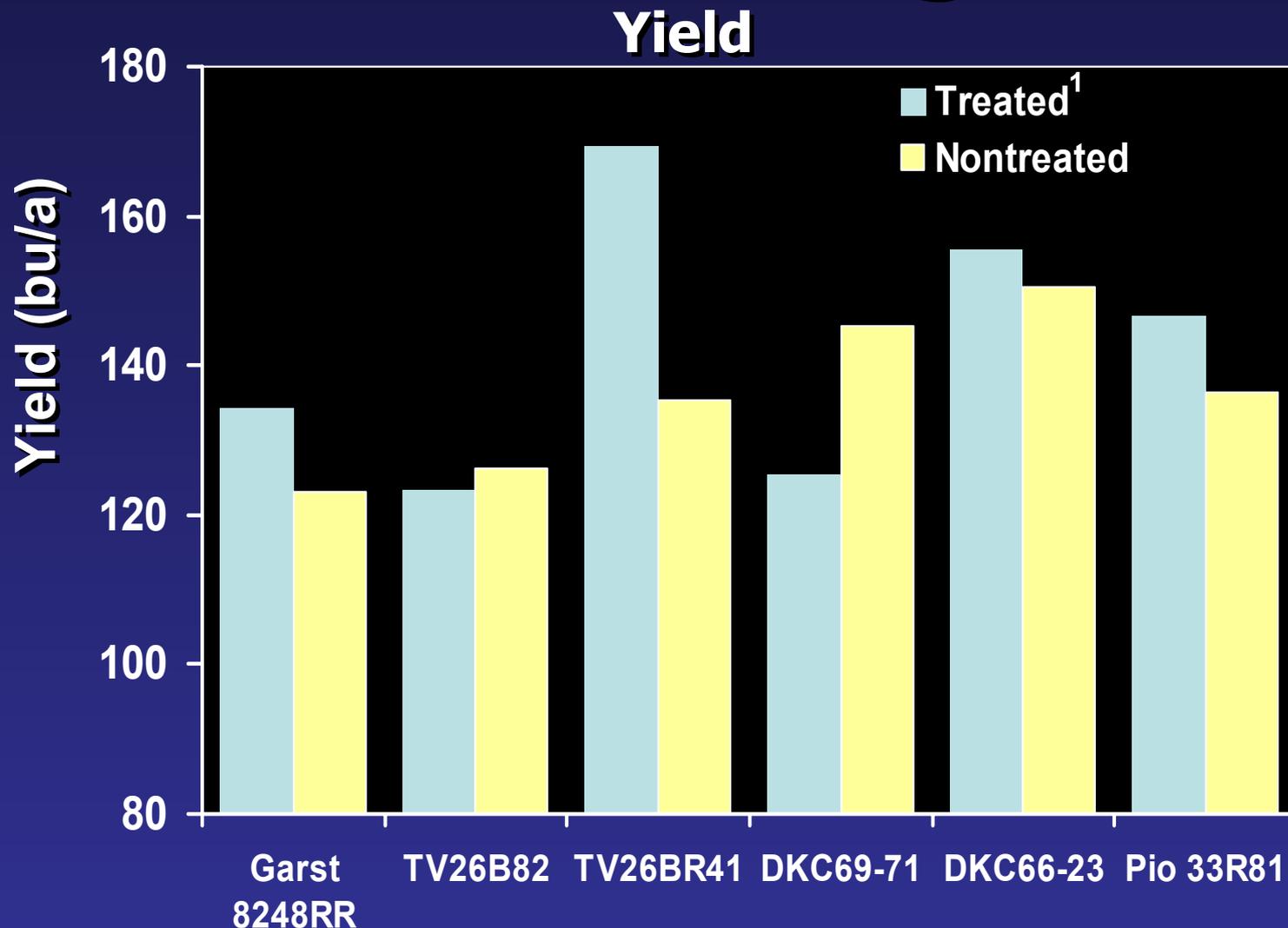
# 2007 Corn Fungicide

## Stalk Strength



<sup>1</sup>Treated with Quilt @14 fl oz/a

# 2007 Corn Fungicide

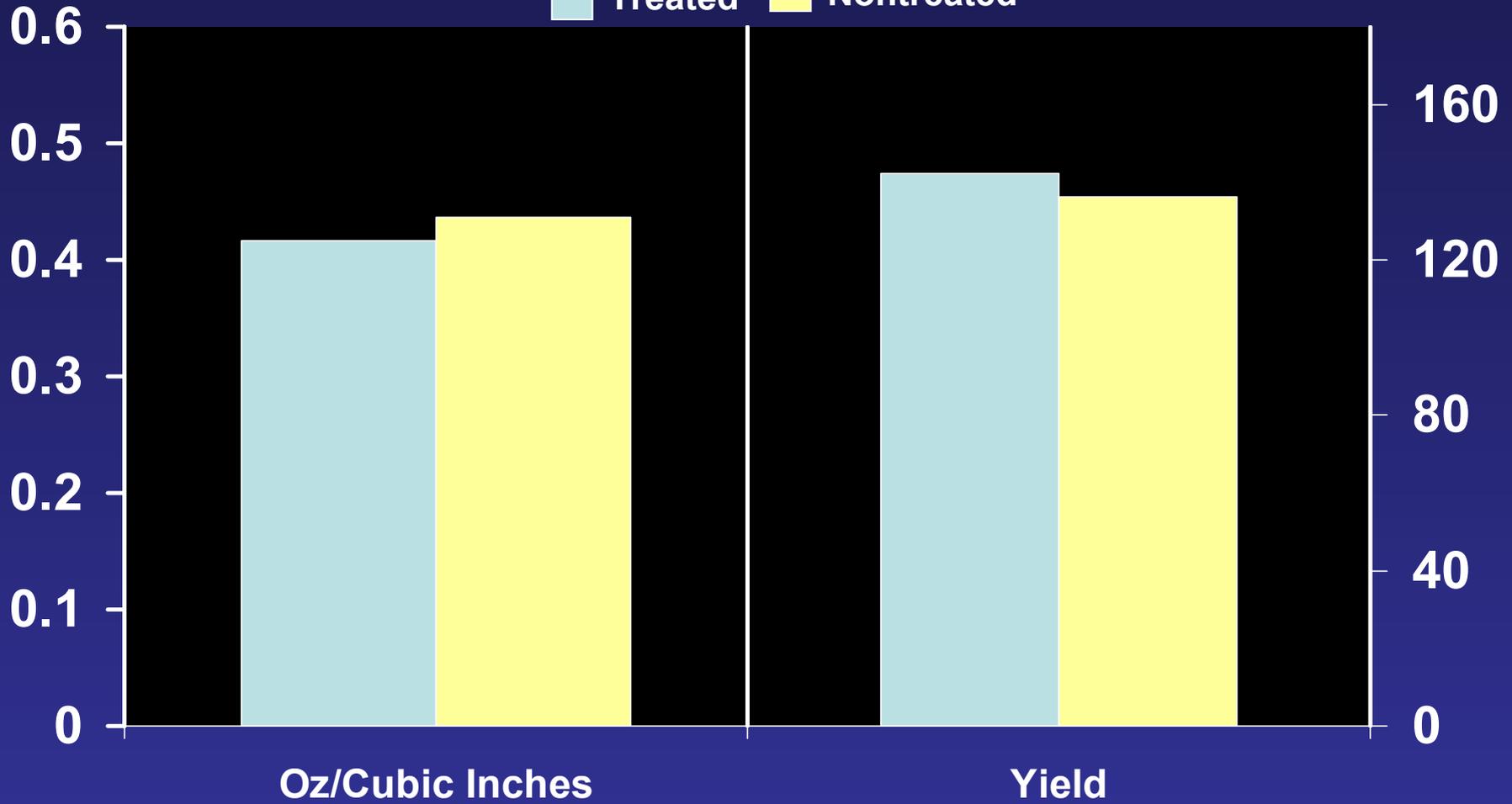


¹Treated with Headline @ 6 fl oz/a + COC  
@ 1%

# 2007 Corn Fungicide

## Stalk strength and Yield

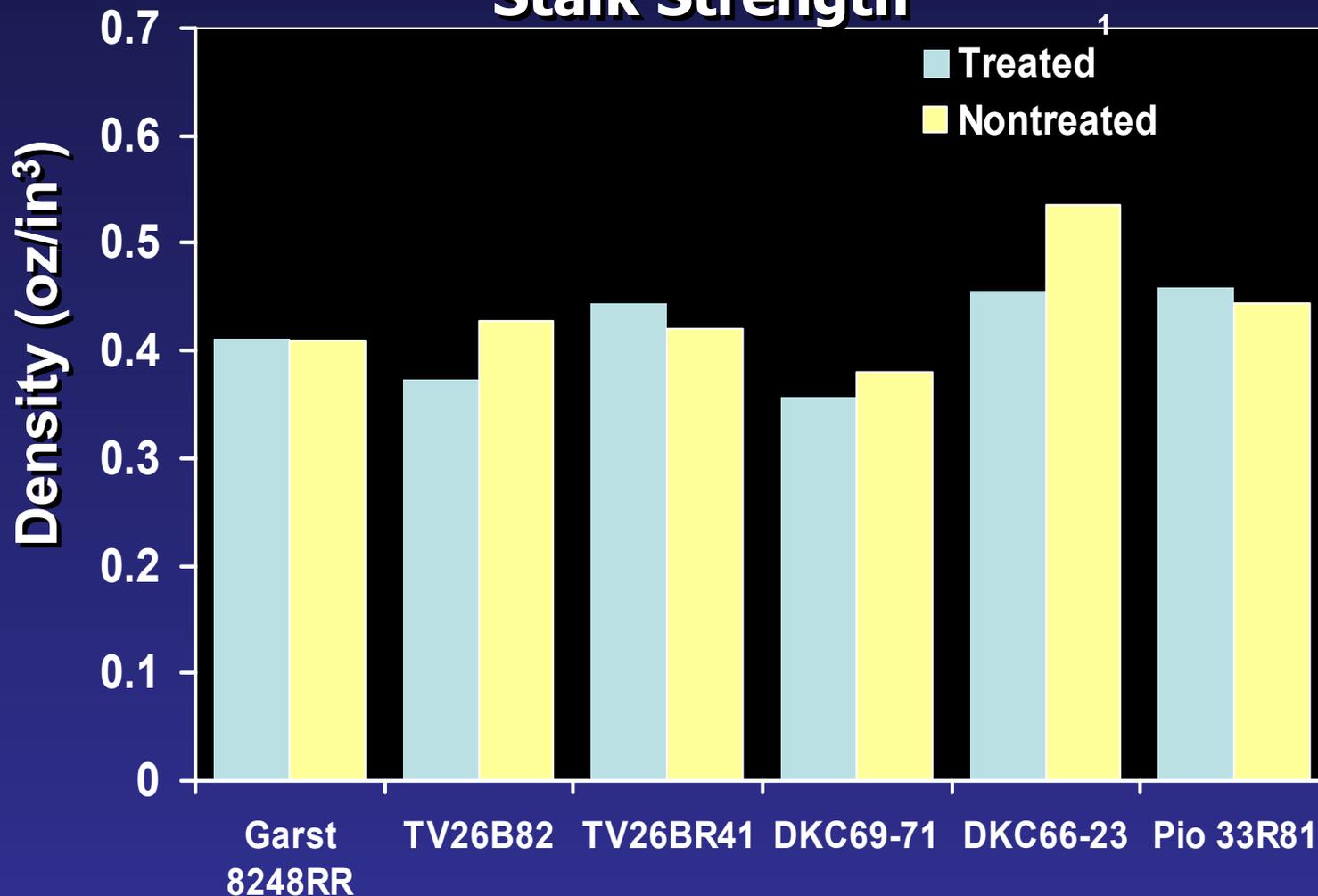
Treated<sup>1</sup> Nontreated



<sup>1</sup>Treated with Headline @ 6 fl oz/a + COC @ 1%

# 2007 Corn Fungicide

## Stalk Strength



<sup>1</sup>Treated with Headline @ 6 fl oz/a + COC  
@ 1%

# LA Corn Fungicide Conclusions

- Does the lack of consistent yield increase have something to do with hybrid specificity?
- The only thing consistent in 2007 is that yields were inconsistent.
- Much more work needs to be done to determine if a consistent yield response can occur.
- Breakeven costs are between 5 and 5.5 Bu/A
- Yield records were set in corn for LA in 2007 estimated at 170 Bu/A