

*Overview of Organic Rice Production in the USA  
and Globally*

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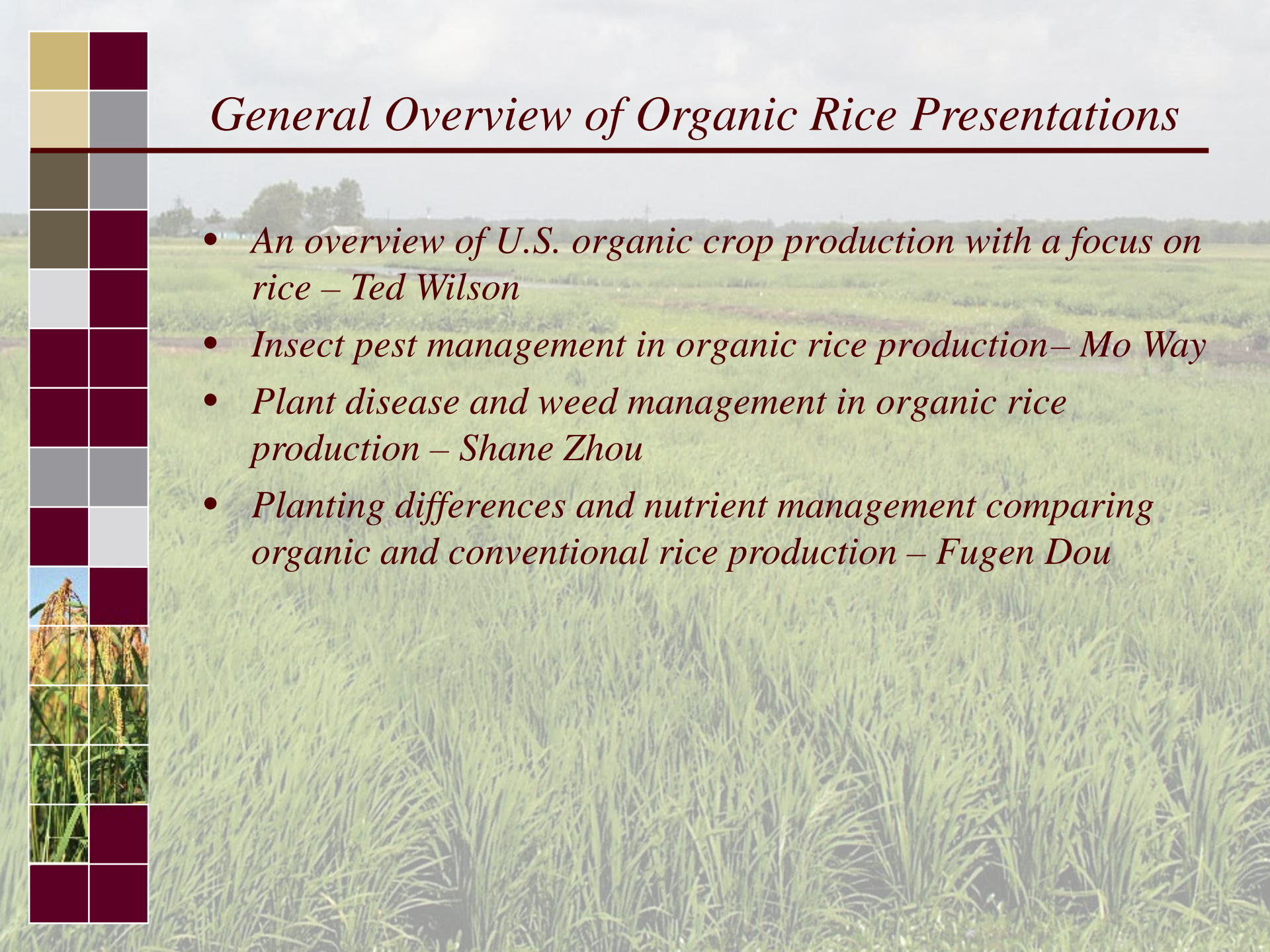
*Rice Market & Technology Convention 2016  
Houston, Texas  
June 1, 2016*



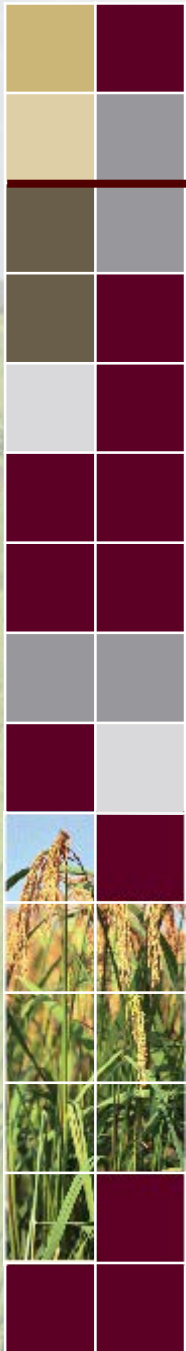
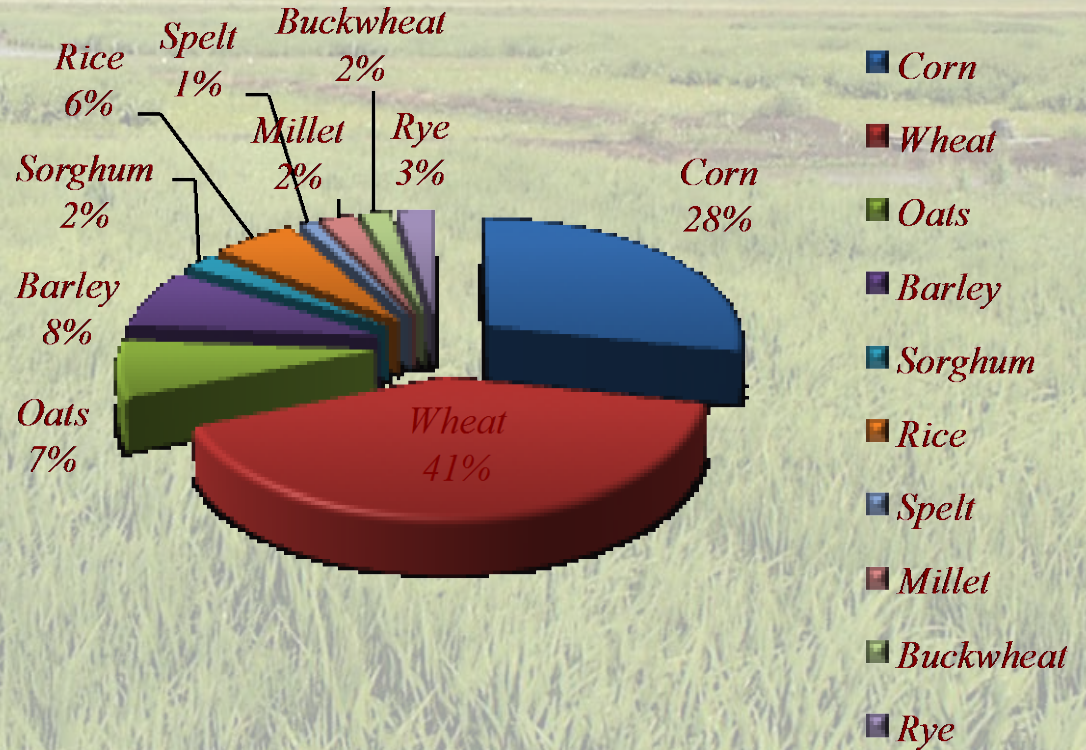
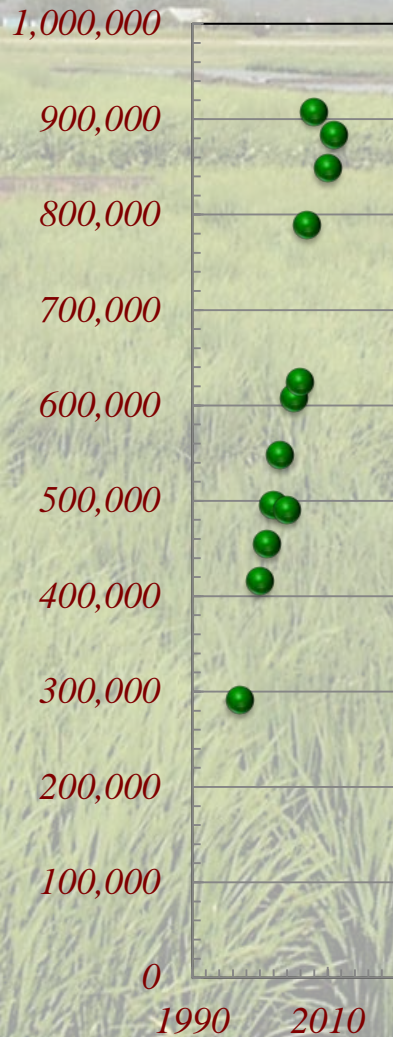


## *General Overview of Organic Rice Presentations*

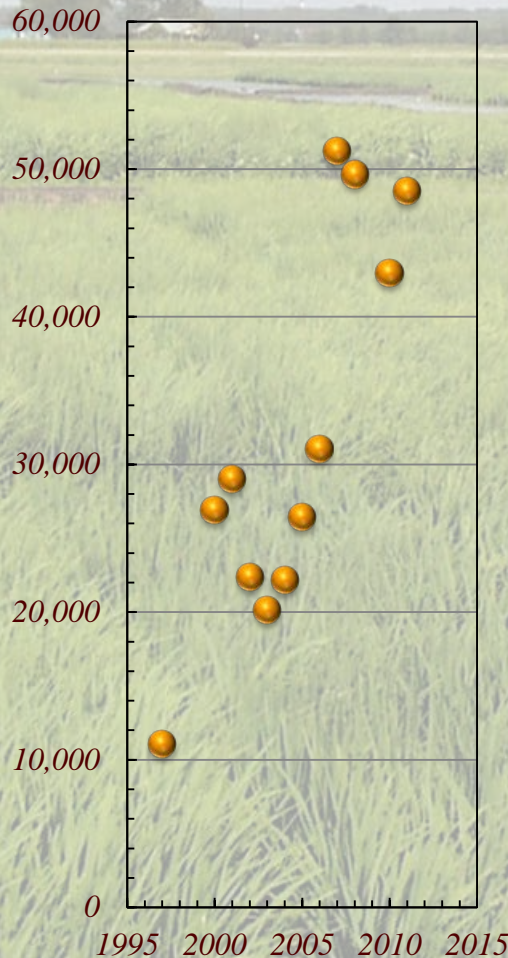
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- *An overview of U.S. organic crop production with a focus on rice – Ted Wilson*
  - *Insect pest management in organic rice production – Mo Way*
  - *Plant disease and weed management in organic rice production – Shane Zhou*
  - *Planting differences and nutrient management comparing organic and conventional rice production – Fugen Dou*
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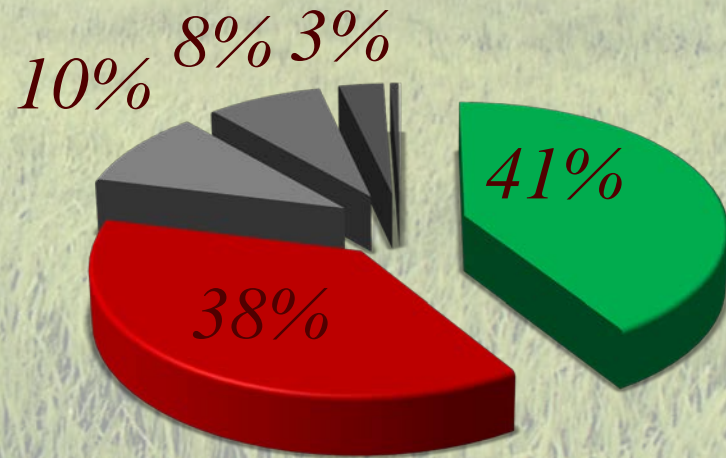
# Organic Crop Production in the U.S.



# Distribution of Organic Rice Production in the USA



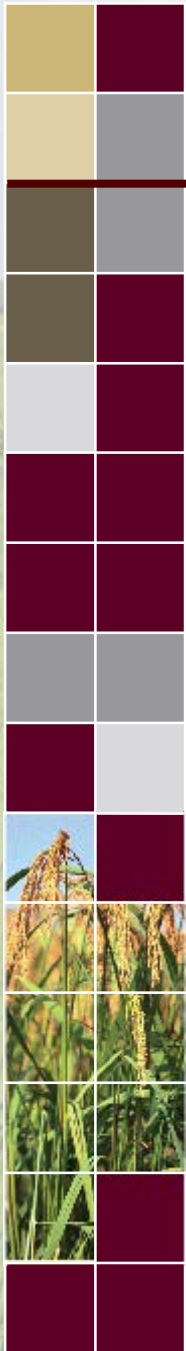
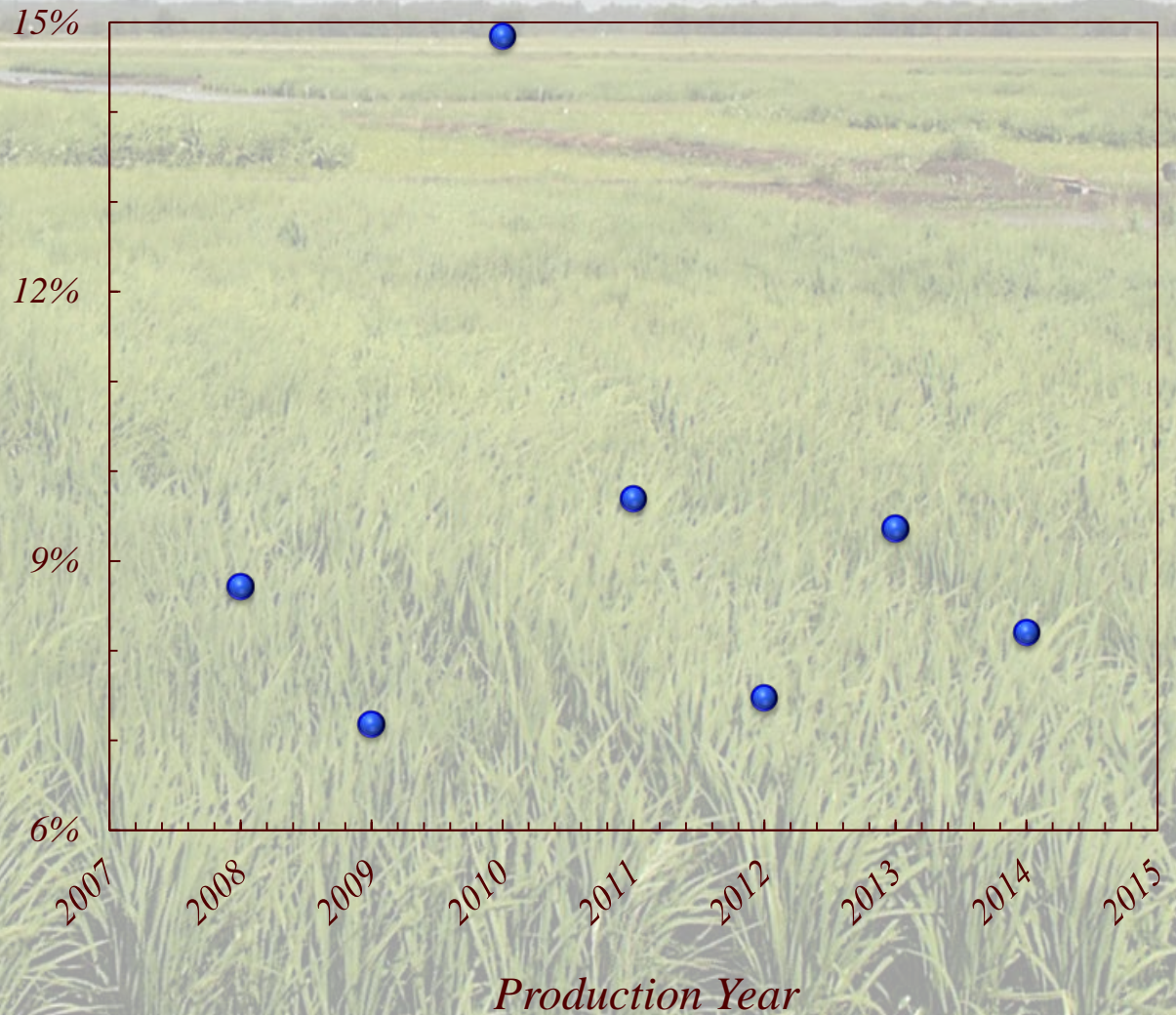
- Texas
- Arkansas
- Missouri
- California
- Florida
- Idaho



Data source: USDA ERS, 2011

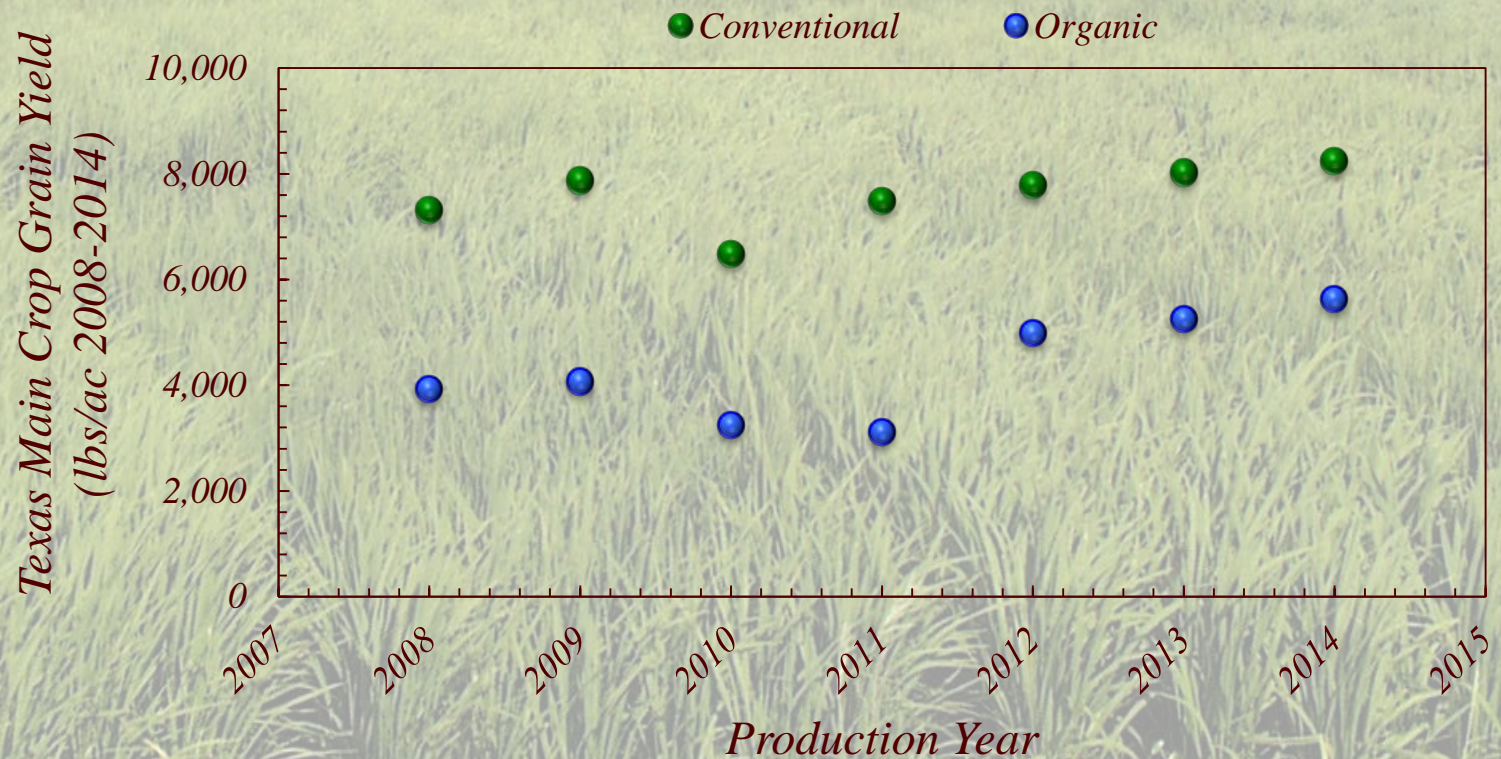
# *Organic Rice Acreage as a Percent of Total Texas Rice Acreage*

*Organic Production as a % of Texas Rice Acreage (2008-2014)*



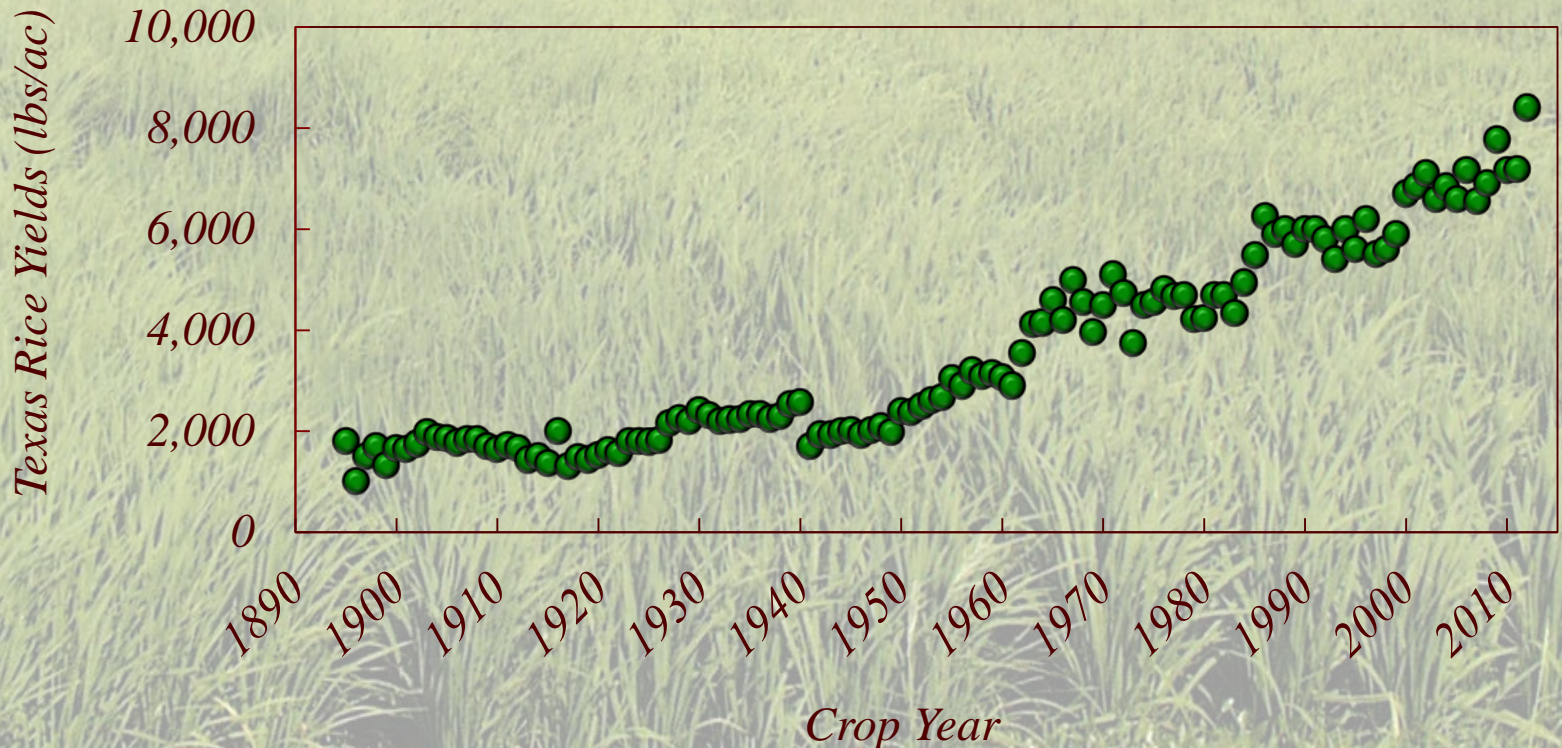
# Comparison of Conventional and Organic Rice Production as a Percent of Texas Rice Acreage

- Conventional and organic rice both show gradual yield increases (2.1%/year) that are variable due to environmental stresses
- Organic rice yields in Texas average 56.4% of conventionally produced main crop rice and about 49% of main + ratoon crop rice



# *Will Organic Rice Yields Catch Up with Conventional Rice Yields?*

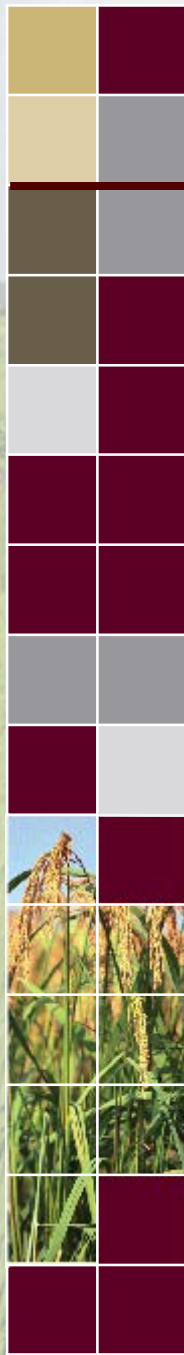
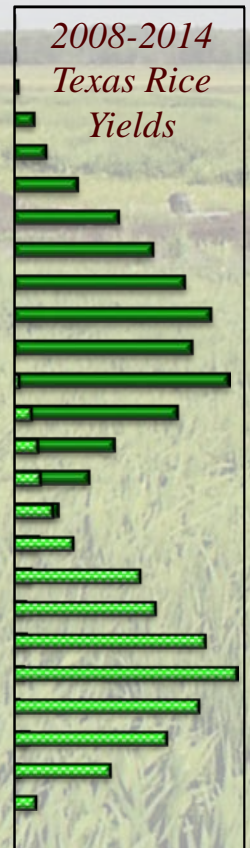
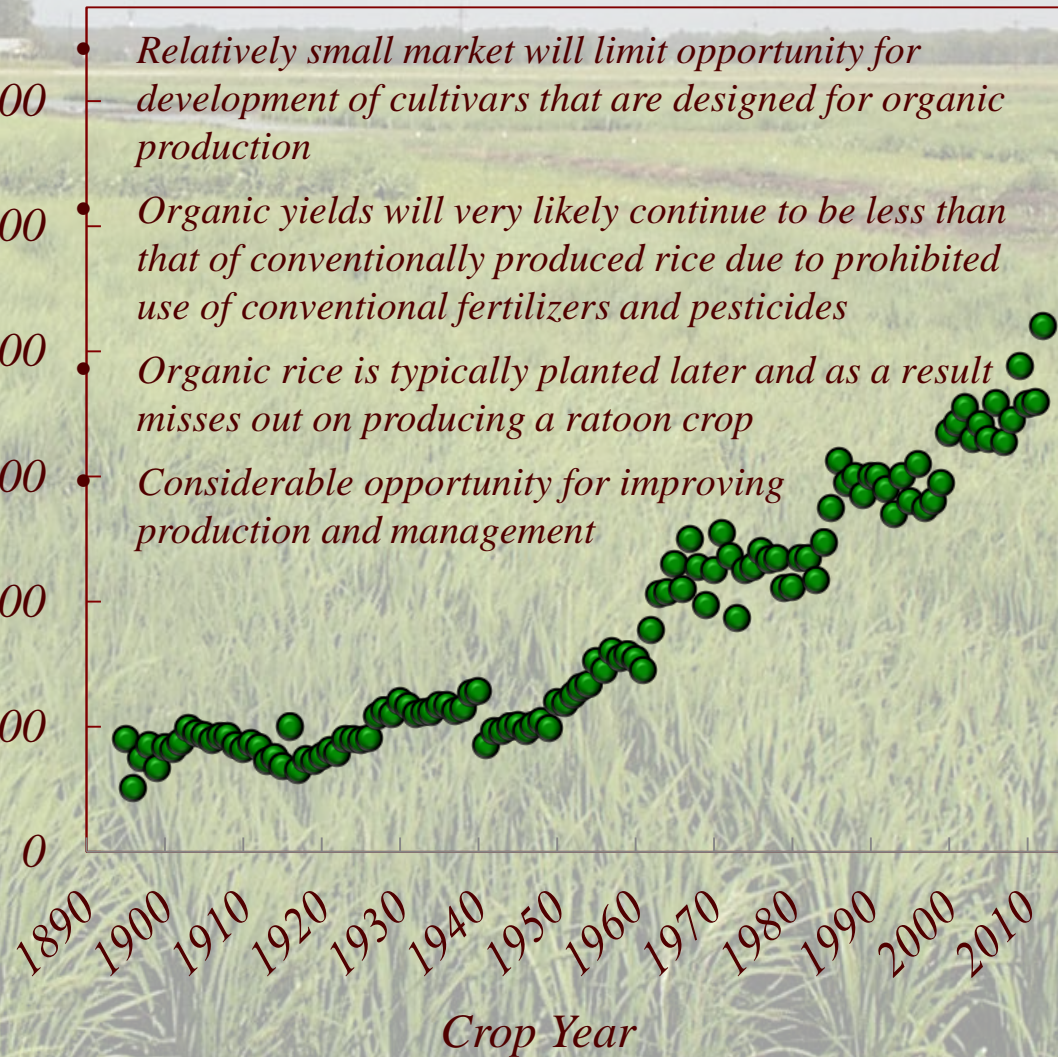
- *480% yield increase since 1945 with  $\approx$  45% due to genetic improvements and 55% due to improvements to agronomic and pest management*
- *19% relative increase in whole grain milling yield over the same period of time (Tabien et al. 2008)*



# What will Texas Rice Research Look like in the Future?

Conventionally Produced Texas Rice Yields (lbs/ac)

12,000  
10,000  
8,000  
6,000  
4,000  
2,000  
0





*Thank You!*

*<http://beaumont.tamu.edu>*

