

A large metal auger is shown in the upper right corner, pouring a thick stream of rice into a field. The background is a sunset sky with a bright sun low on the horizon, casting a warm orange glow over the scene. The rice field is visible in the foreground and middle ground.

Missouri Rice Outlook

Justin Chlapecka

Assistant Professor

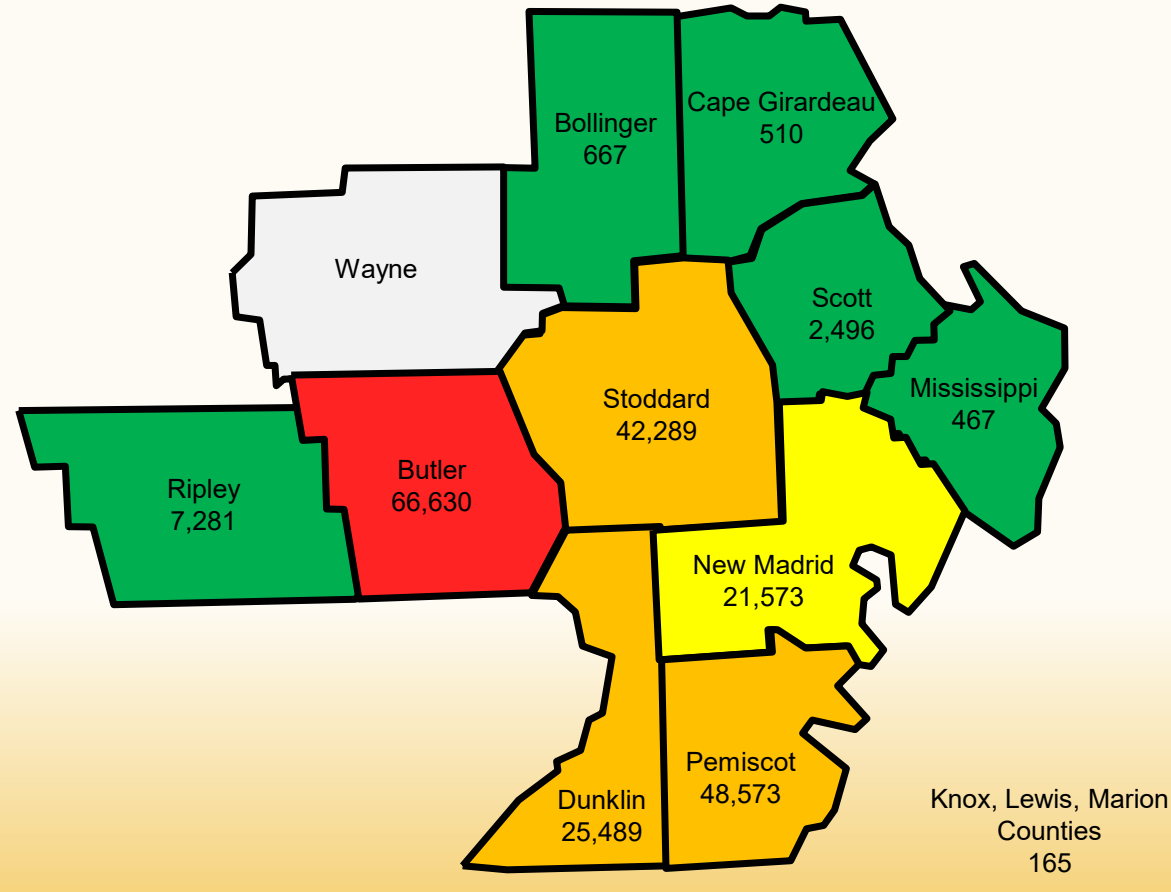
University of Missouri Rice Extension Specialist

2024 USA Rice Outlook Conference

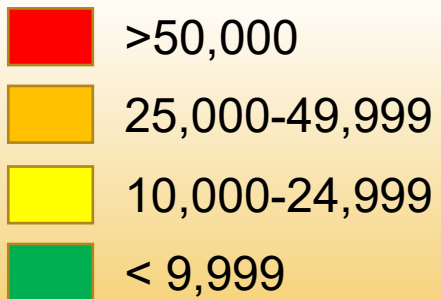


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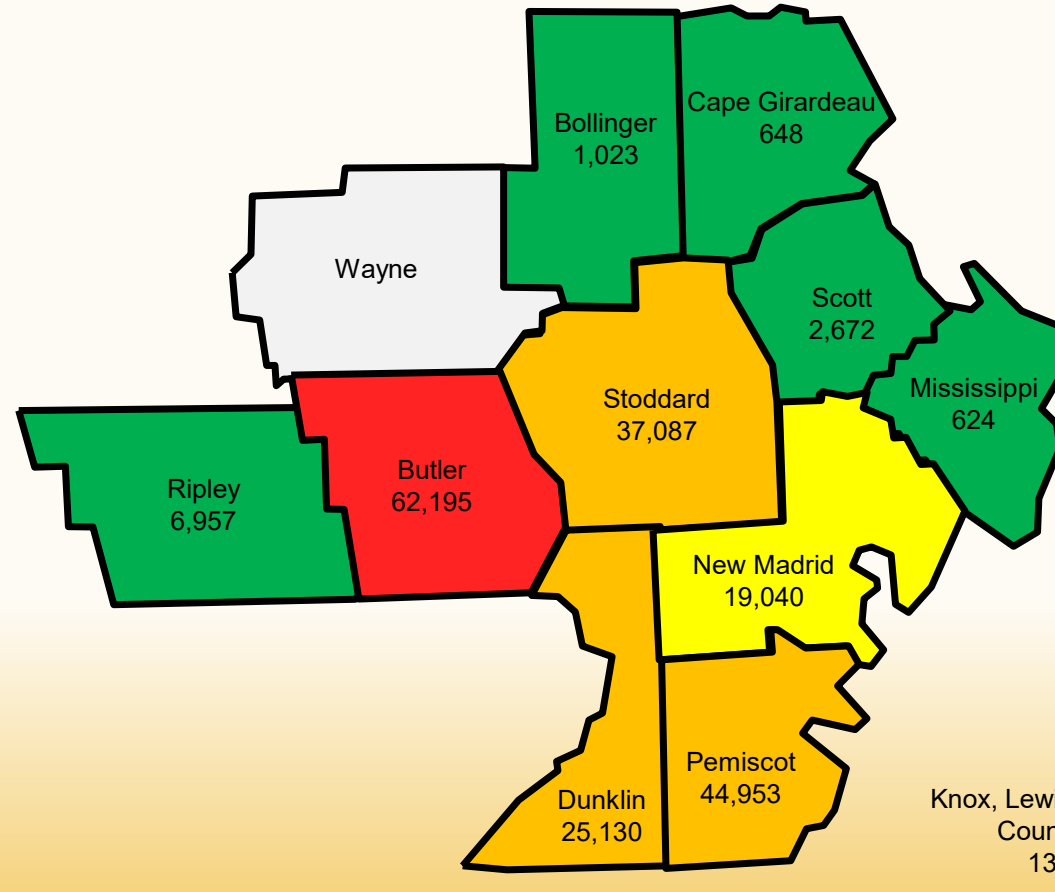
2024 Acres



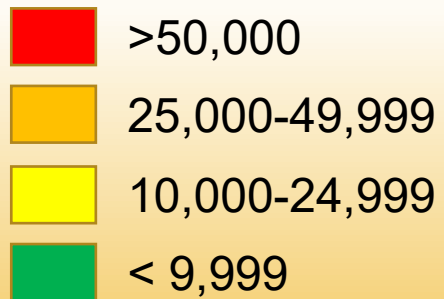
**FSA Total Planted
Acres (Nov. 1, 2024)
216,100**



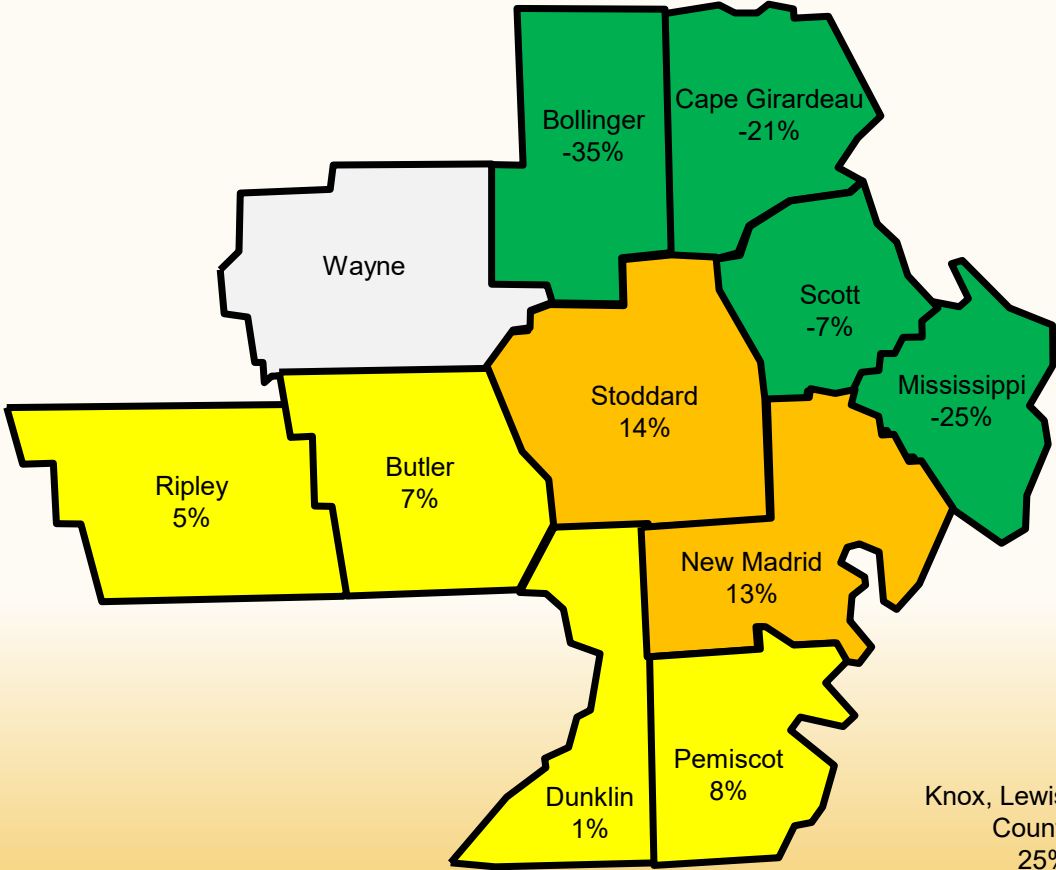
2023 Acres



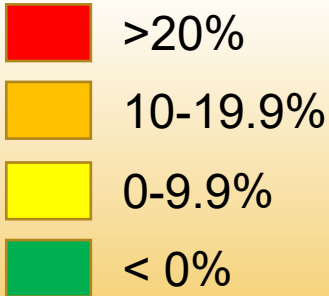
**FSA Total Planted
Acres
200,461**



Increase from 2023 Acreage

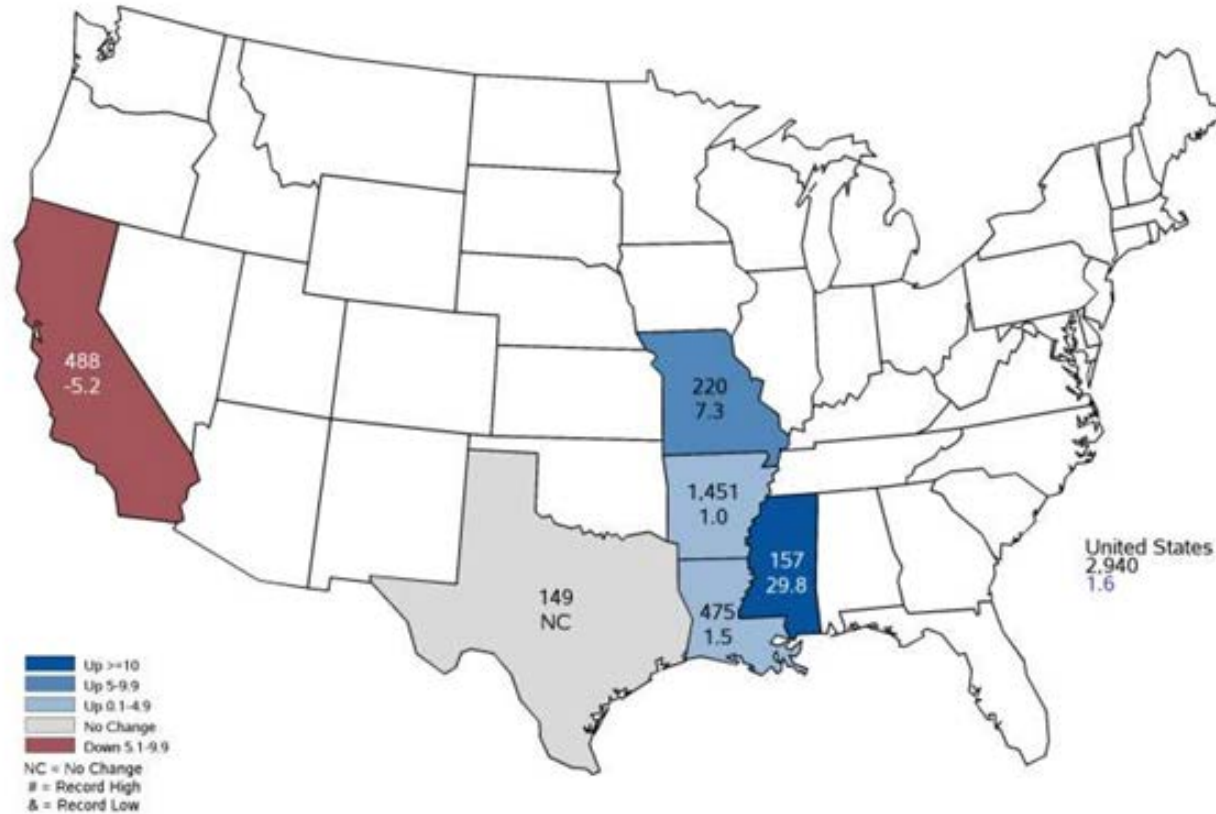


**FSA Total Planted
Acres
+8%**





2024 Rice Planted Area (000) Acres and Percent Change from Previous Year



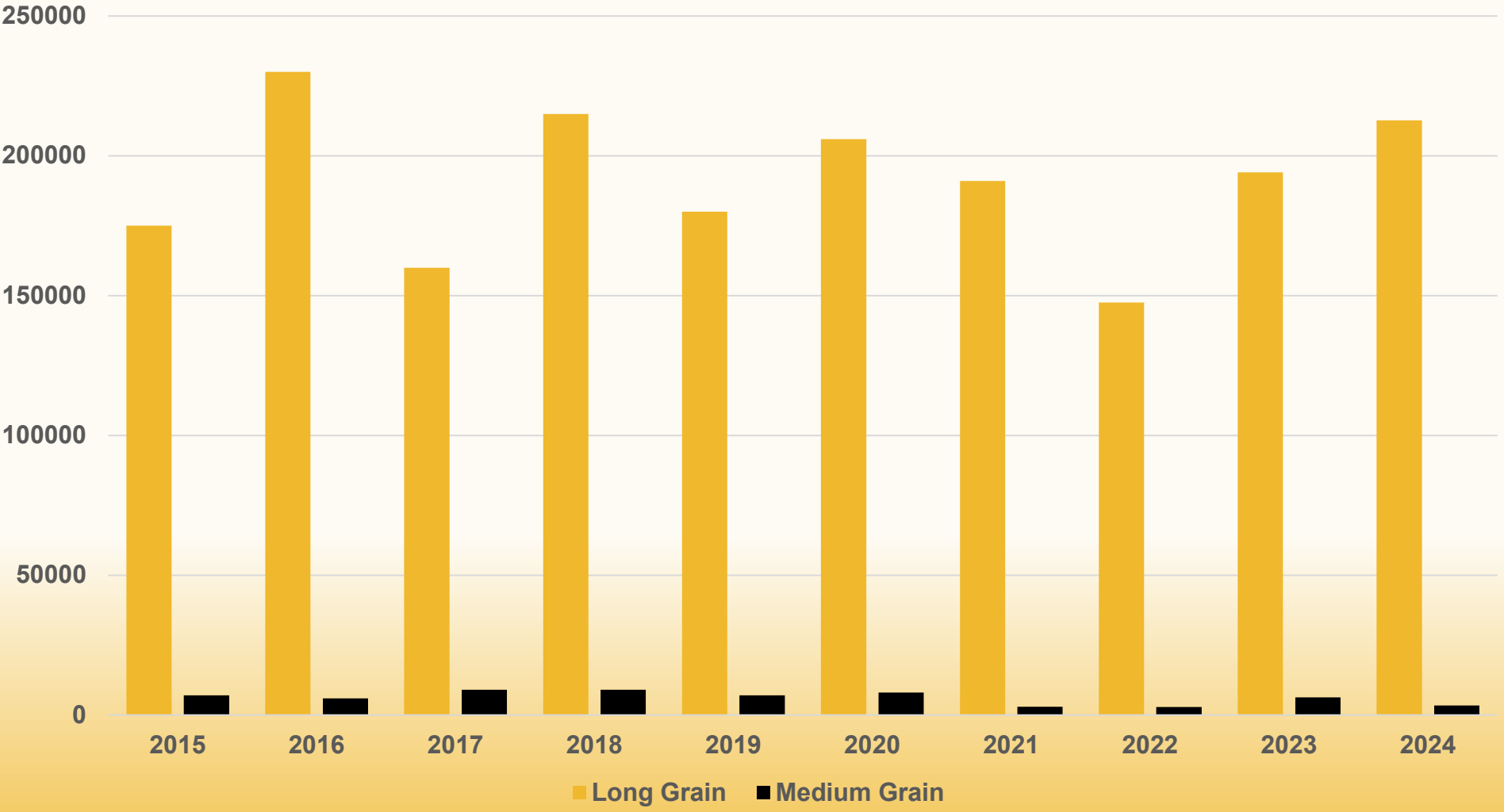
United States Department of Agriculture
National Agricultural Statistics Service

September 12, 2024

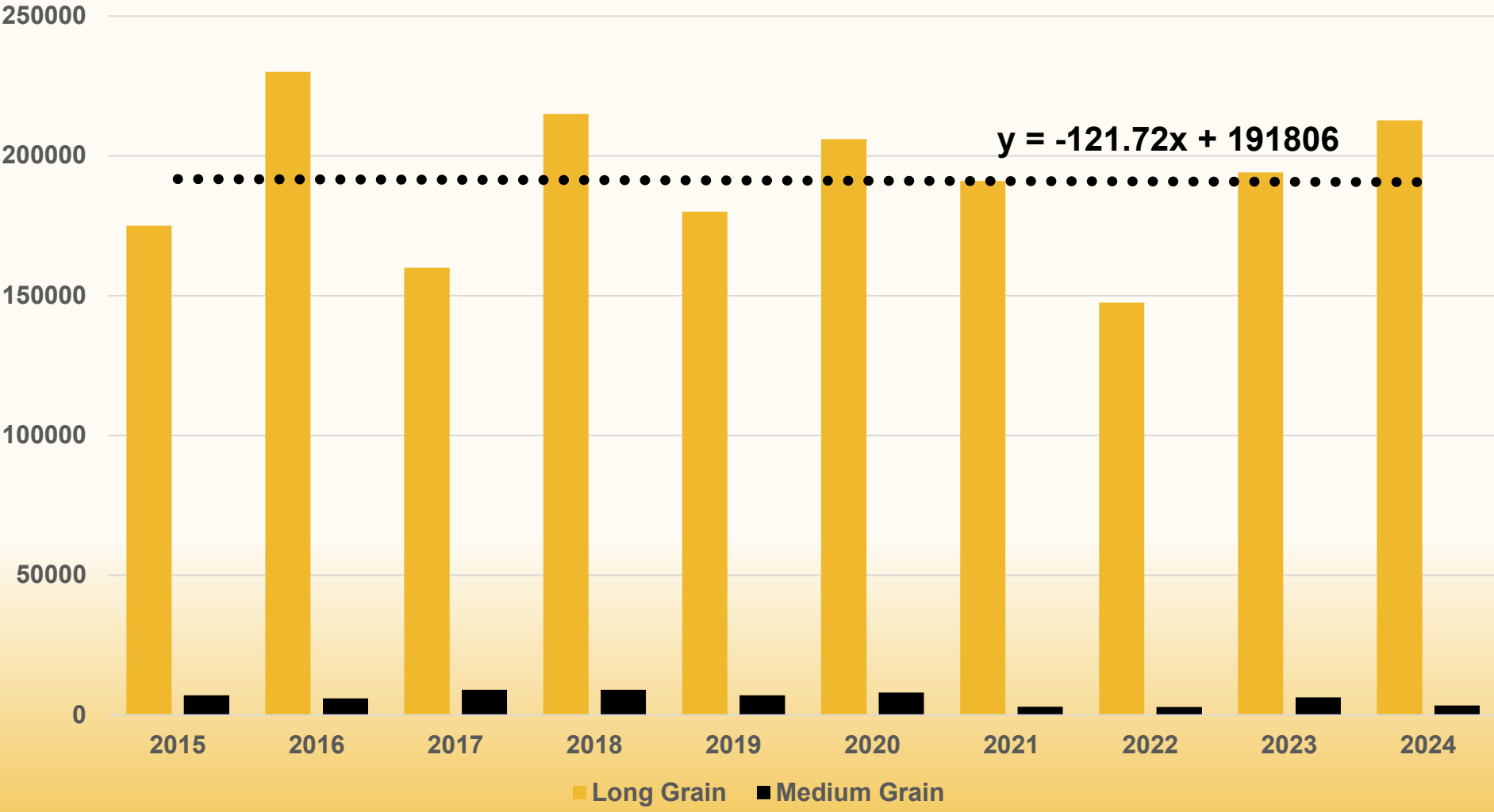


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10-Year Acreage



10-Year Acreage



2024 Season Recap

- **Great start**
 - **Significant acreage planted first half of April**
- **Excellent mid-season**
 - **Warm temps**
- **Decent grain fill conditions**
 - **Few hot nights**



2024 Season Recap

- **First couple weeks of harvest were great**
 - **2 hurricanes threw a**
- **Grain yields well above average**
 - **More than several reporting record yield**
- **Rapid dry-down led to milling issues**
 - **Strong N wind when nearing maturity**
 - **Followed by 100° + 2 hurricanes**



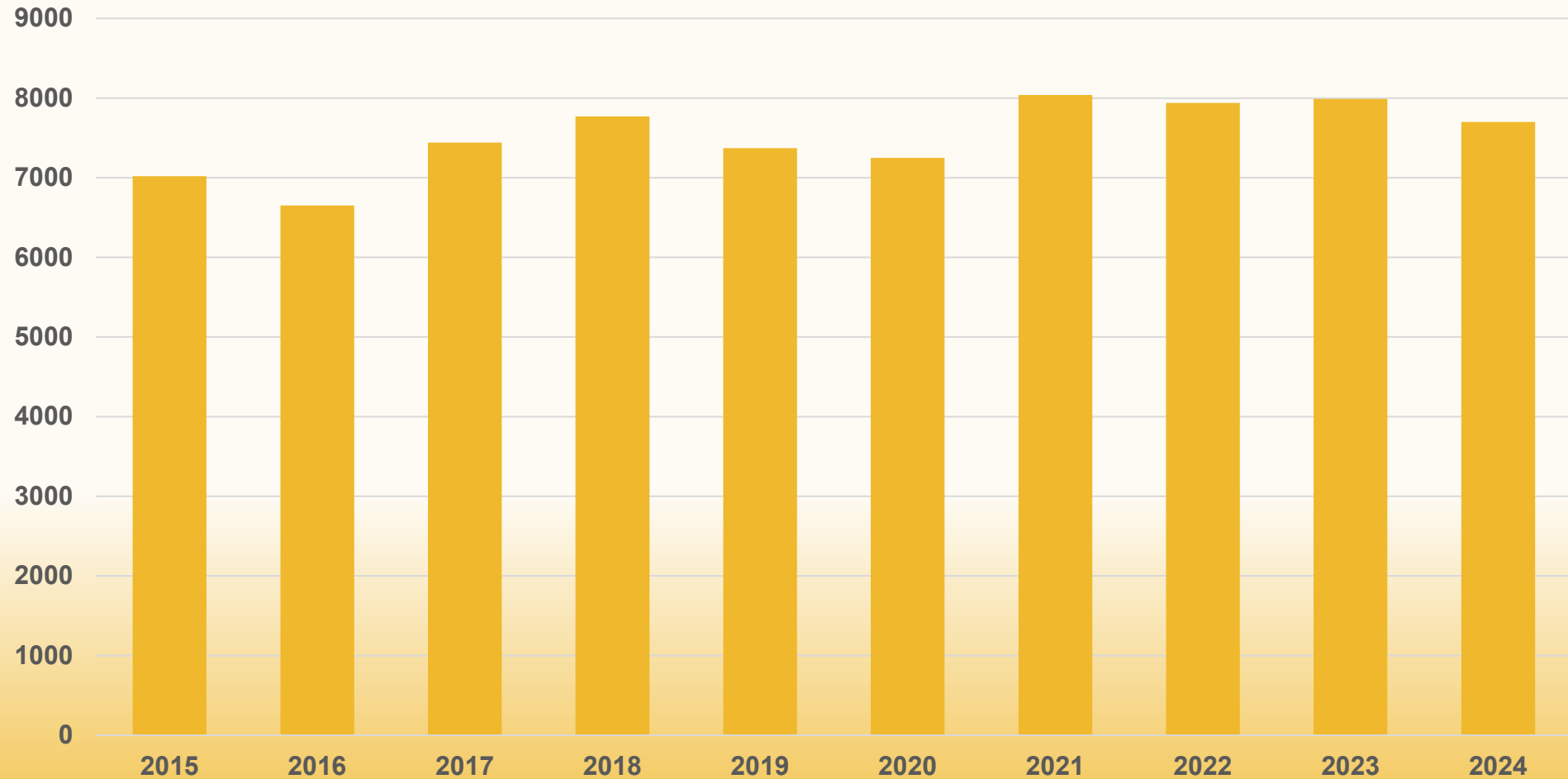
2024 Season Recap

- **Dry conditions were welcomed after harvest**
- **A lot of field work was accomplished in October**



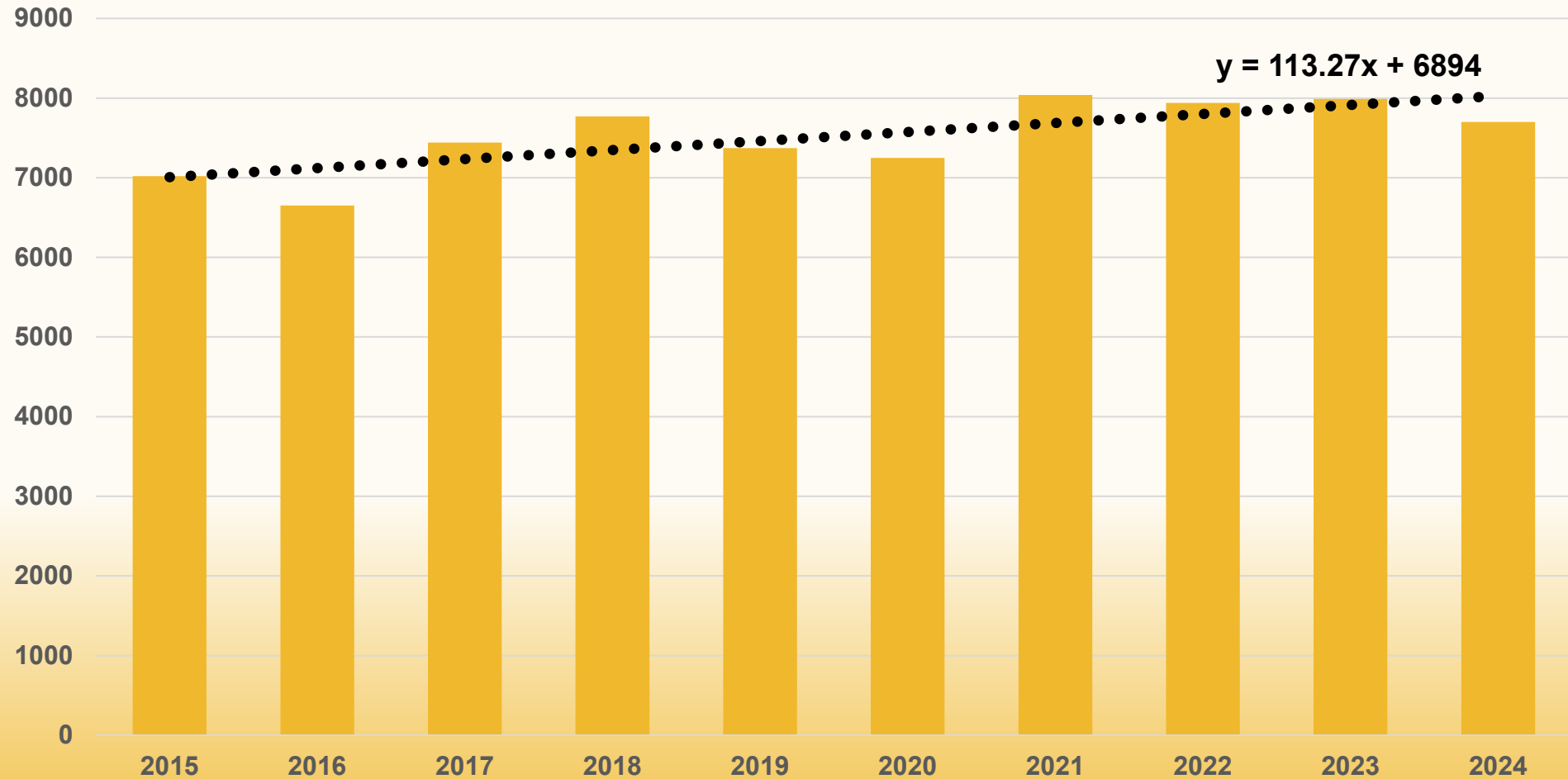
10-Year Rough Rice Yield

lb/ac



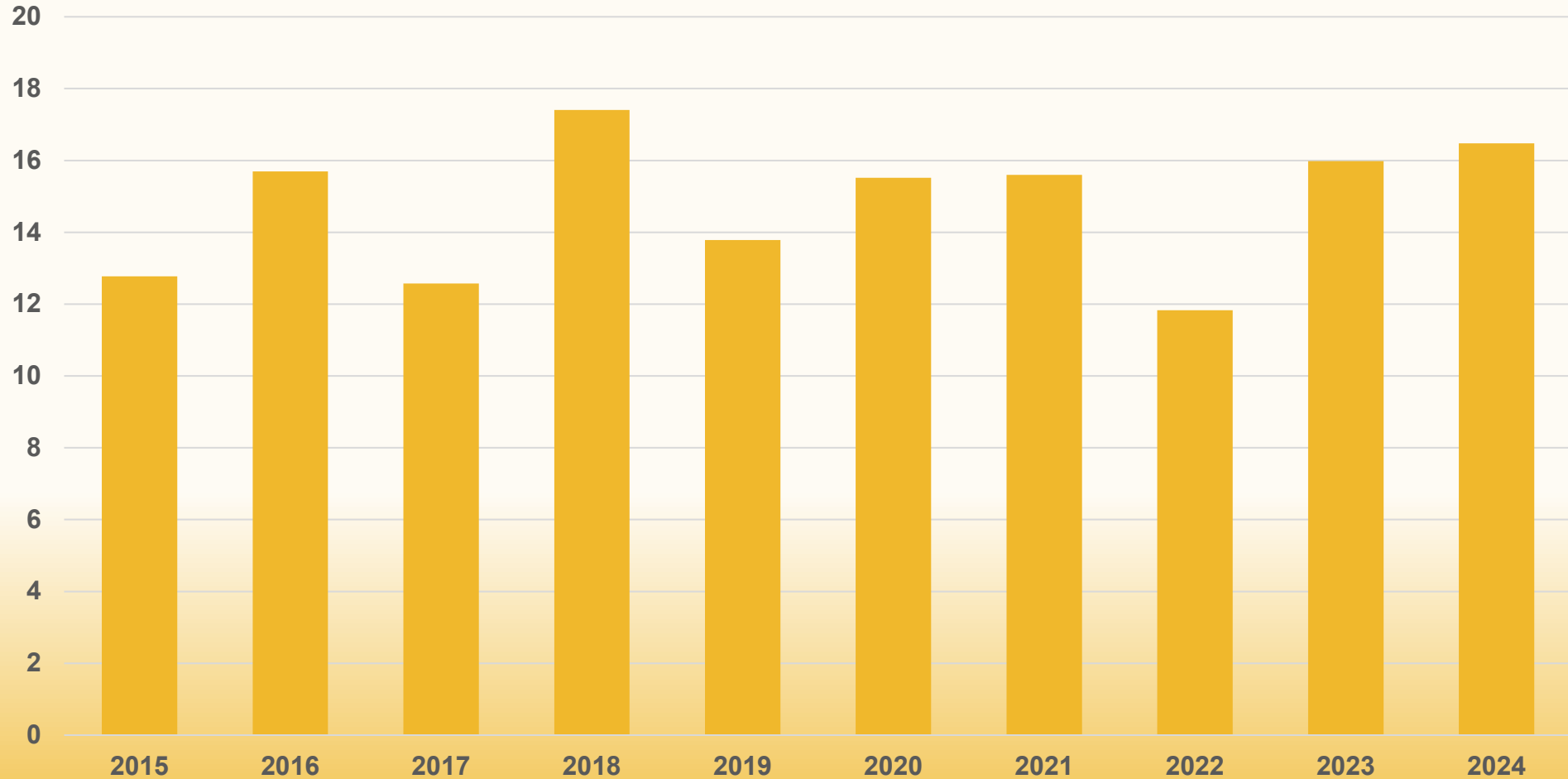
10-Year Rough Rice Yield

lb/ac



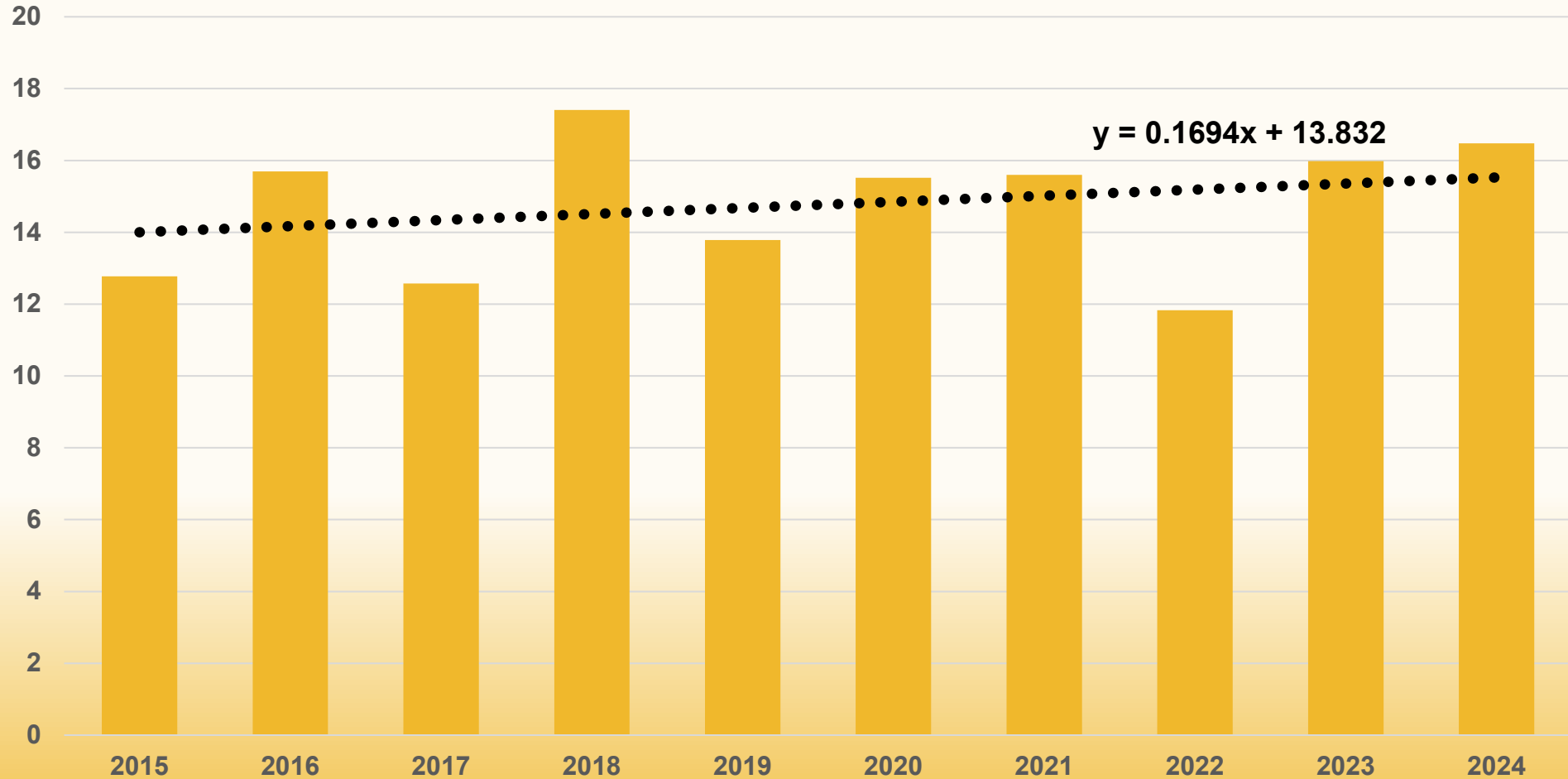
10-Year Production

million cwt.



10-Year Production

million cwt.



Missouri Rice Production Survey

- Adapted from University of Arkansas
- Survey of rice consultants in Missouri
- Production practices, cultivar selection, etc.

The graphic contains the University of Missouri logo (a gold 'M' in a shield) and the text 'University of Missouri' and 'Rice Agronomy'. To the right is a green map of Missouri with a yellow rice stalk and the word 'RICE' in orange. Below this is the title '2022 Missouri Rice Production Survey' and the instruction: 'Please answer the following questions for the 2022 rice acres that you grew/advised/consulted. All survey responses are confidential and will be reported as state averages only.' At the bottom is a text input field with a grey background and a white cursor, followed by the label 'Counties'.

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Rice Agronomy

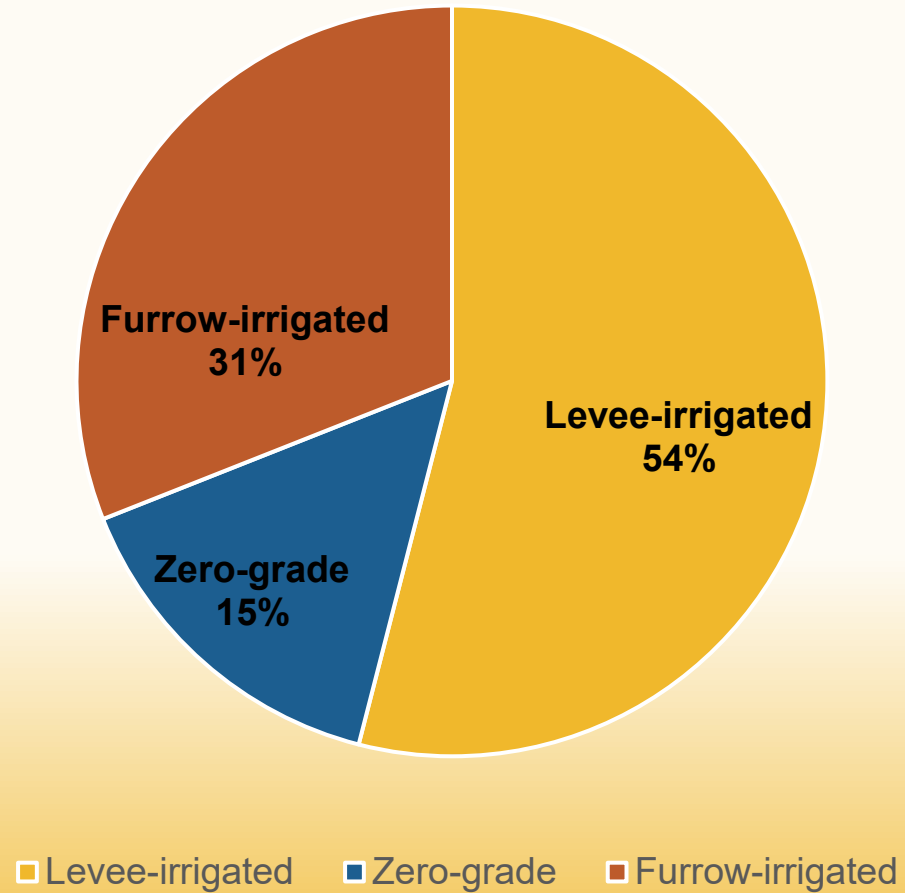
2022 Missouri Rice Production Survey

Please answer the following questions for the 2022 rice acres that you grew/advised/consulted.
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 Counties

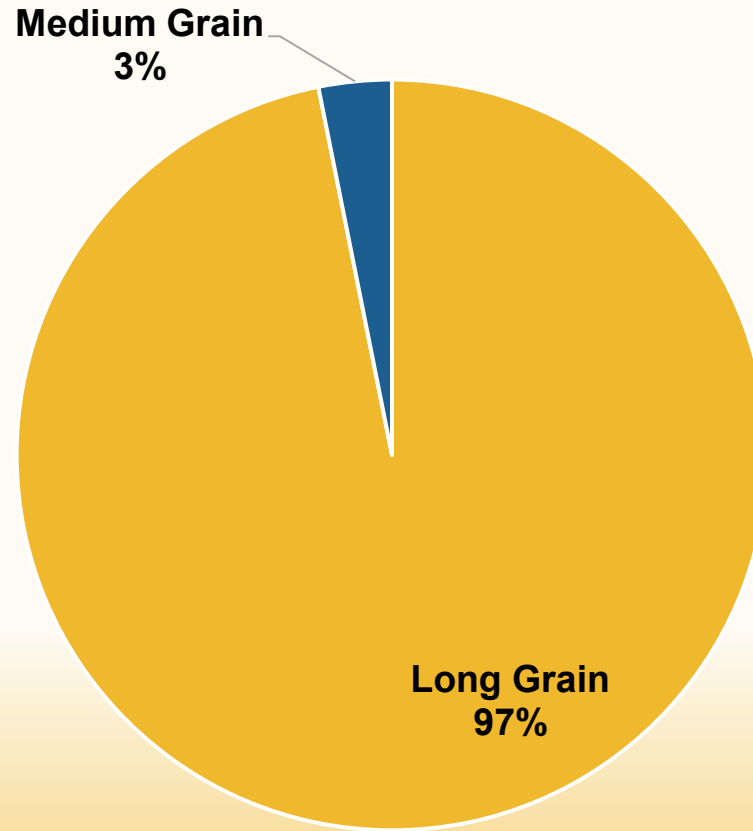
Production System

Acres



Grain Type

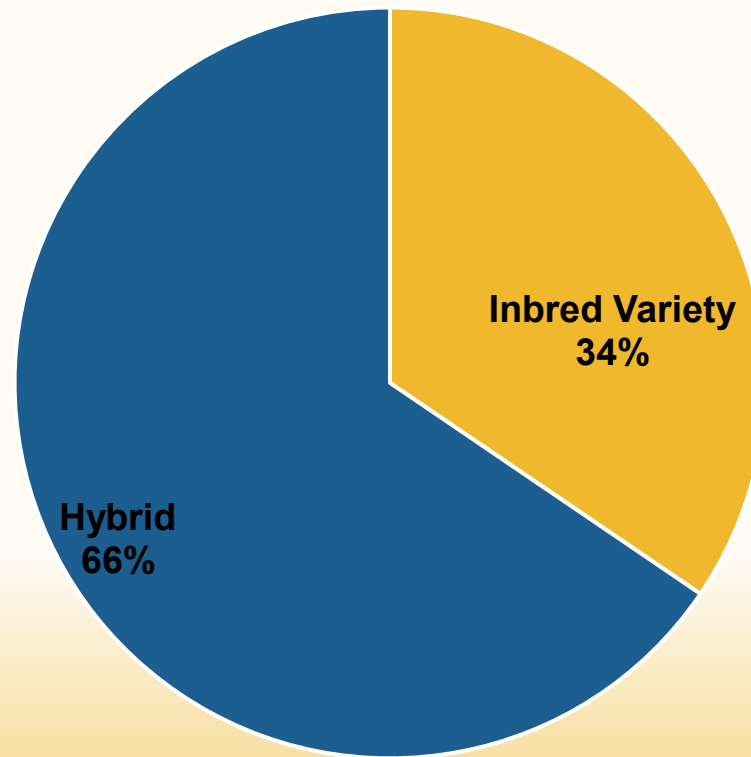
Acres



□ Long Grain ■ Medium Grain

Cultivar

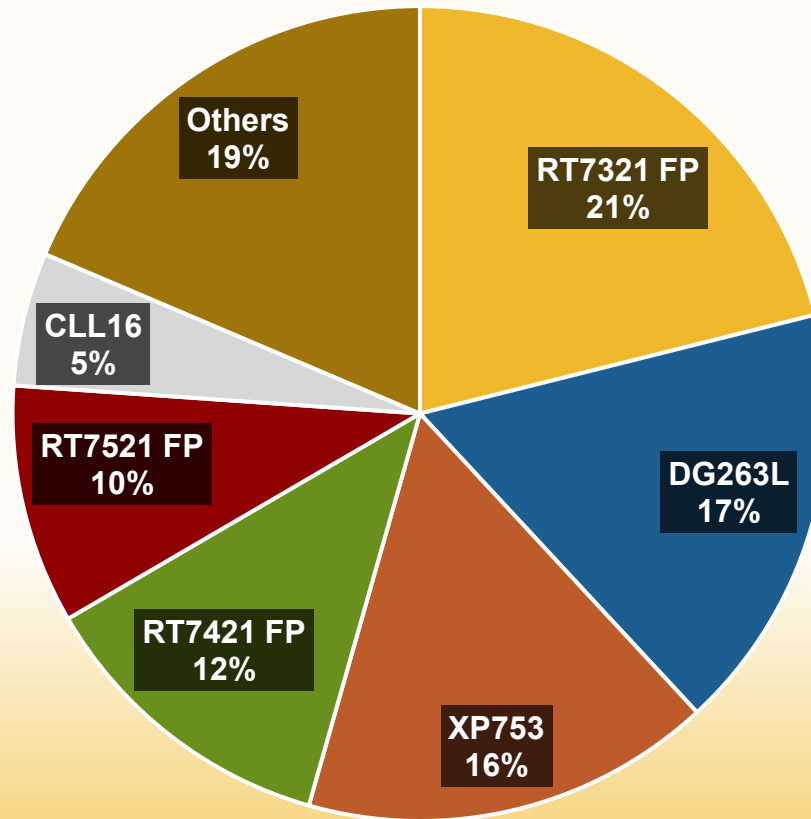
Acres



■ Inbred Variety ■ Hybrid

Cultivar

Acres



2025 Missouri Rice Outlook

- **Similar to 2024**
 - **220k acres**
 - **No crops cash flow currently**
 - **Seed supply issues?**
 - **Lots of ground ready or close to it**



2024 Rice Research



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Rice Agronomy



RICE



Mizzou Rice Agronomy

Cultivar Trials

- 16 varieties, 8 hybrids
- Current and expected releases
- 21 unique environments
- Flood and furrow-irrigated

Weed Control

- Flood-irrigated rice
- New technologies (2-5 yrs out)
- Current tech
- Program approaches

Planting Date Study

- 16 varieties, 8 hybrids
- Current and expected releases
- Missouri Rice Research Farm
- 6 planting dates

Seeding Rate Trials

- Varieties – 10 to 50 seed/ft²
- Hybrids – 4 to 20 seed/ft²
- 4 locations x 2 planting dates
- Flood and furrow-irrigated



Mizzou Rice Agronomy

Nitrogen Management – FIR

- Furrow-irrigated rice
- CLL18, DG263L
- 5 N management programs
- Top, middle, and bottom zones

Starter Fertilizer

- Flooded rice – 2-leaf app
 - DAP, TSP, urea
- Furrow-irrigated rice - Preplant
 - Updating P recs

Rice:Soybean Rotation Study

- MSMC (Missouri Soybean) sponsored
- Long-Term
- Cont. Rice & Soybean, 1:1, 2:1, 1:2

Industry-Sponsored Studies

- Preliminary variety trials
- Biologicals & N Response
- P Sources
- Seed treatment programs



University of Missouri

- **Justin Calhoun**
 - **Cropping Systems Specialist,
Assistant Professor**
- **Collaborative work**
- **Residue management**
- **N management in FIR**



University of Missouri

- **Chase Floyd**
 - **Crop Protection Specialist,
Assistant Professor**
- **Rice billbug**
- **Rice water weevil**
- **Pathology trials**



University of Missouri

- **Weed scientist**
 - **Interviews likely in January**
- **Work includes evaluation of current and future weed management practices in rice**



2024 MRRMC Field Day

- Annual field day
- Missouri Rice Research Farm
- About 150 attendees



2024 FDRC Ag Expo

- **Started in 2023**
- **Fisher Delta Research Center**
- **About 100 trailer-tour participants**



University of Missouri Continuing Research

- **Planting Date Trials**
- **Cultivar Trials**
- **Furrow-irrigated rice**
- **TBD**



University of Missouri Future Research

- **TBD**
- **Future weed scientist**





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