

Louisiana Rice

Ronnie Levy
LSU AgCenter Rice Specialist



2023 Louisiana Rice Acreage

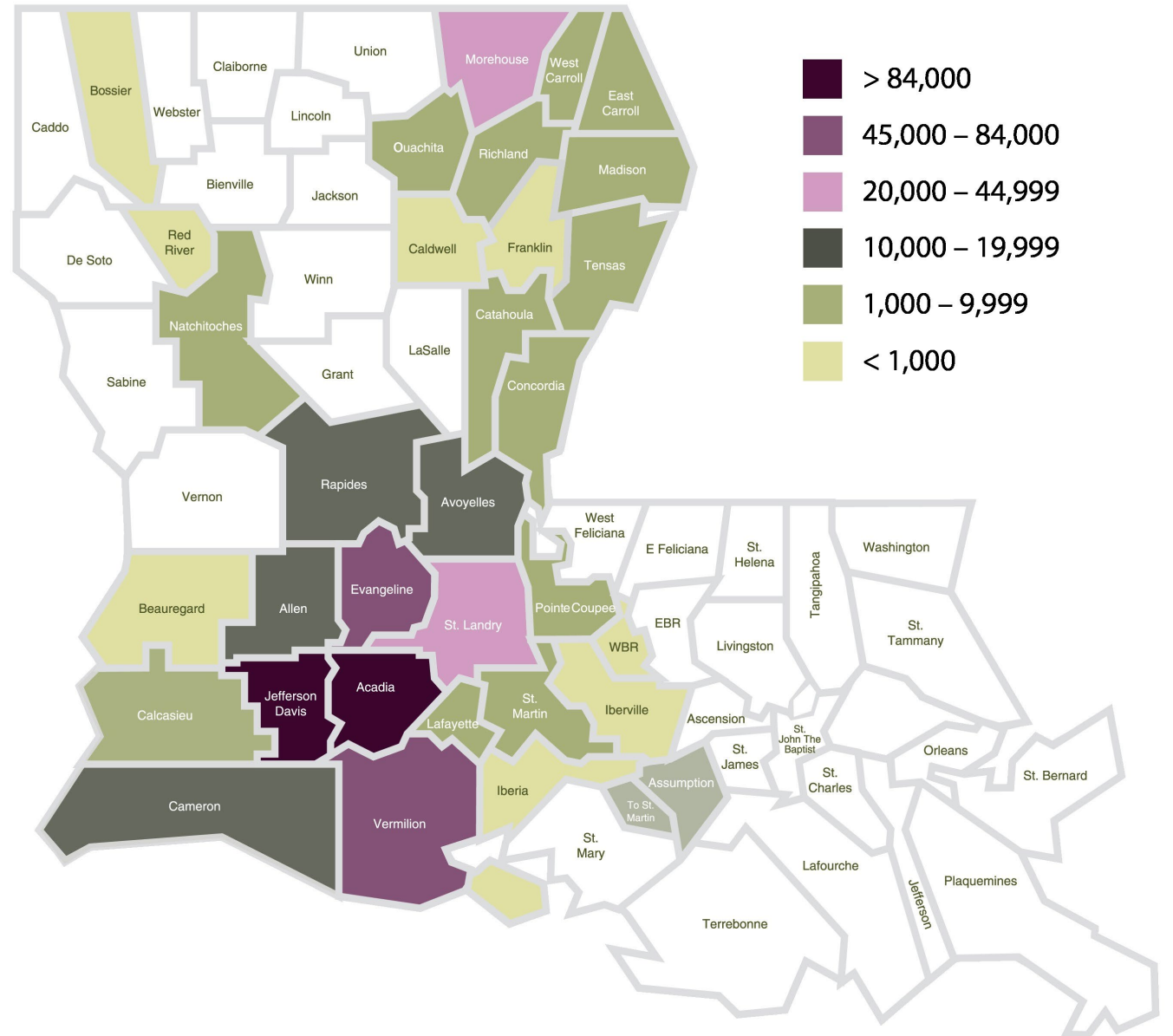
2020
475,927 acres

2021
411,690 acres

2022
415,556 acres

2023
461,371 acres

11% increase in acres



Furrow Irrigated (AWD/Row) Rice

2,500 acres in 2017

5,000 acres in 2018

15,415 acres in 2019

35,600 acres in 2020

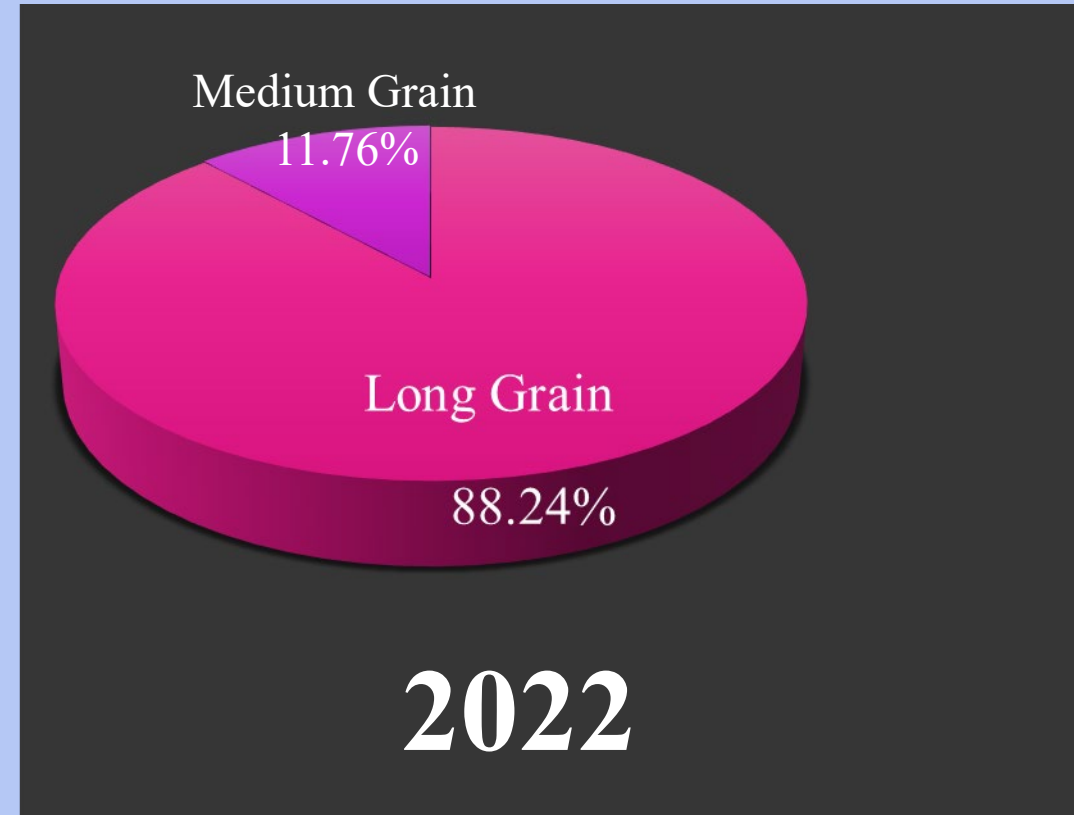
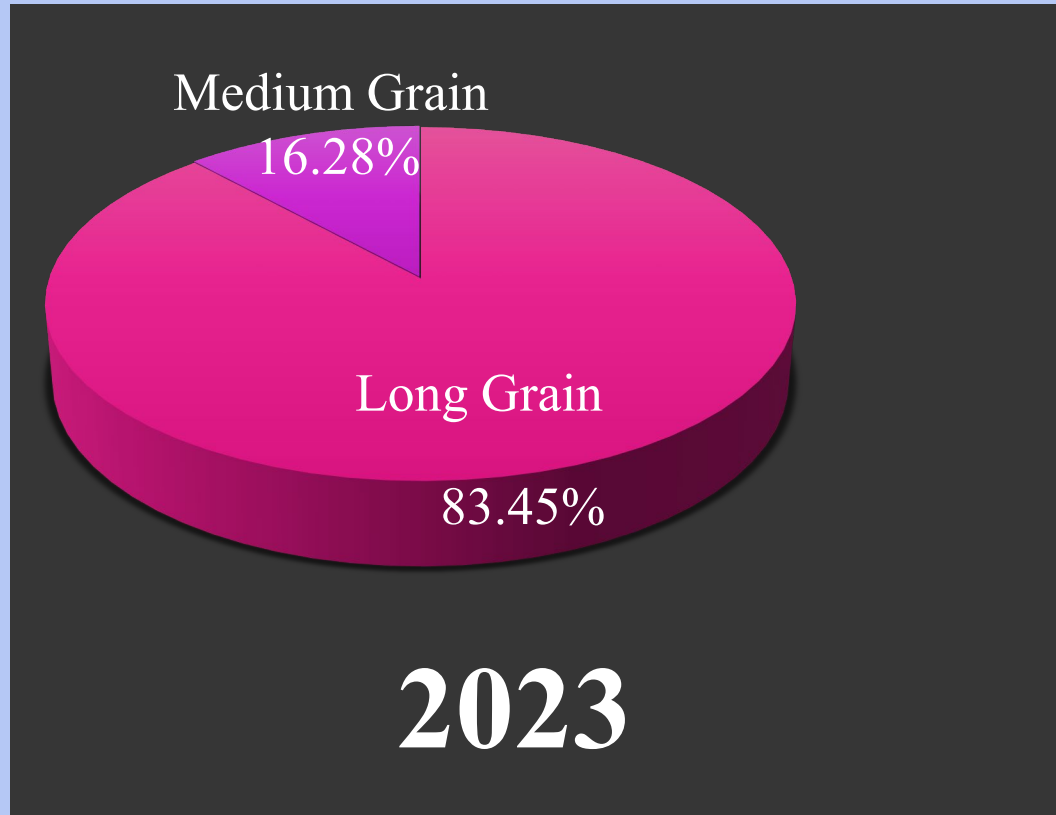
23,468 acres in 2021

13,863 acres in 2022

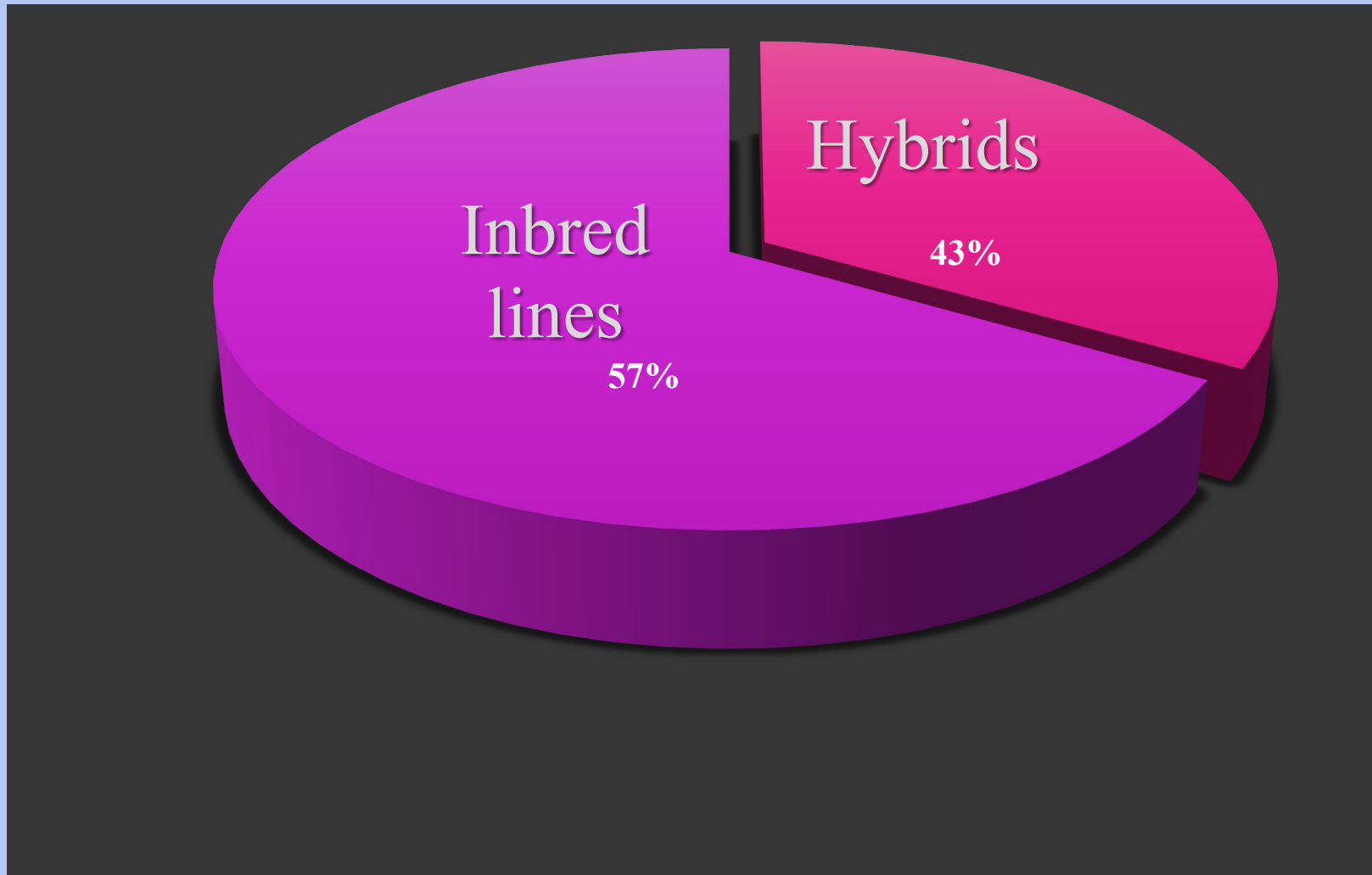
14,025 acres in 2023



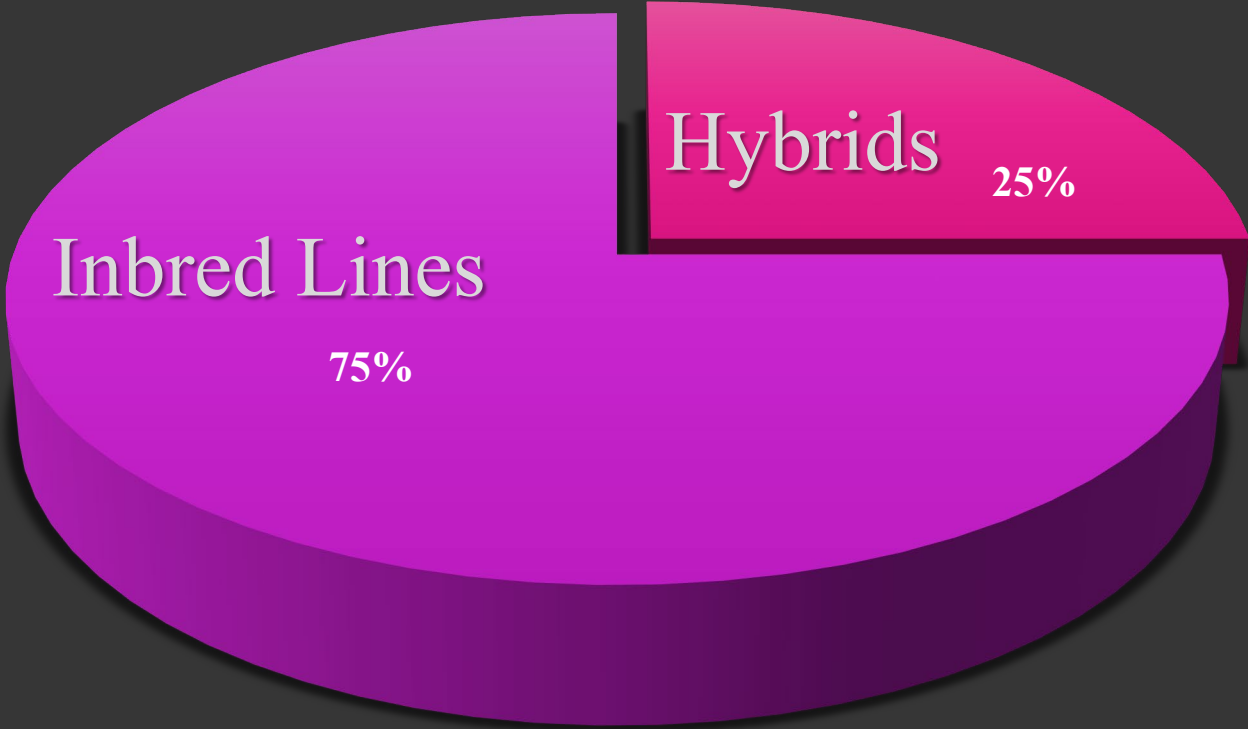
Louisiana Rice Acreage



2021 Louisiana Rice Acreage – Hybrids

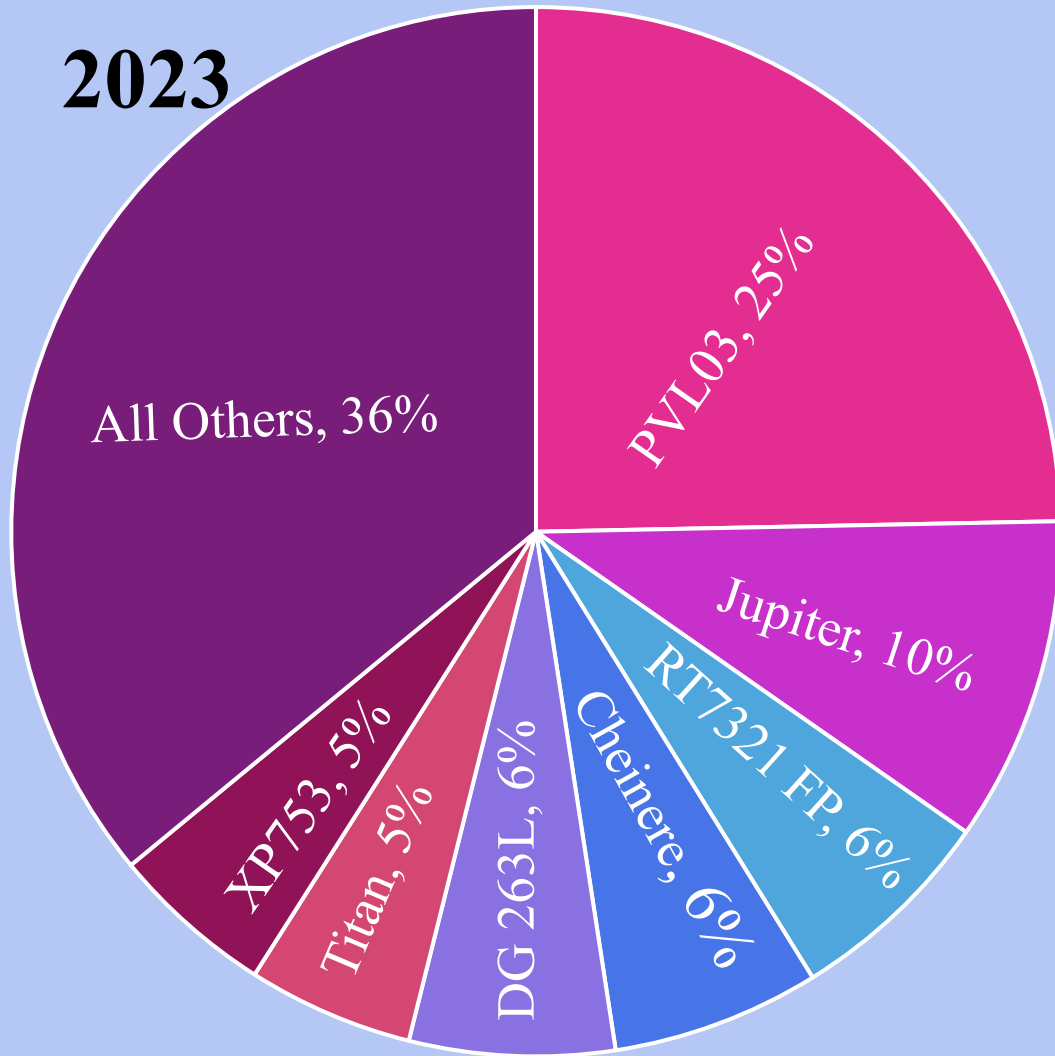


2023 Louisiana Rice Acreage – Hybrids

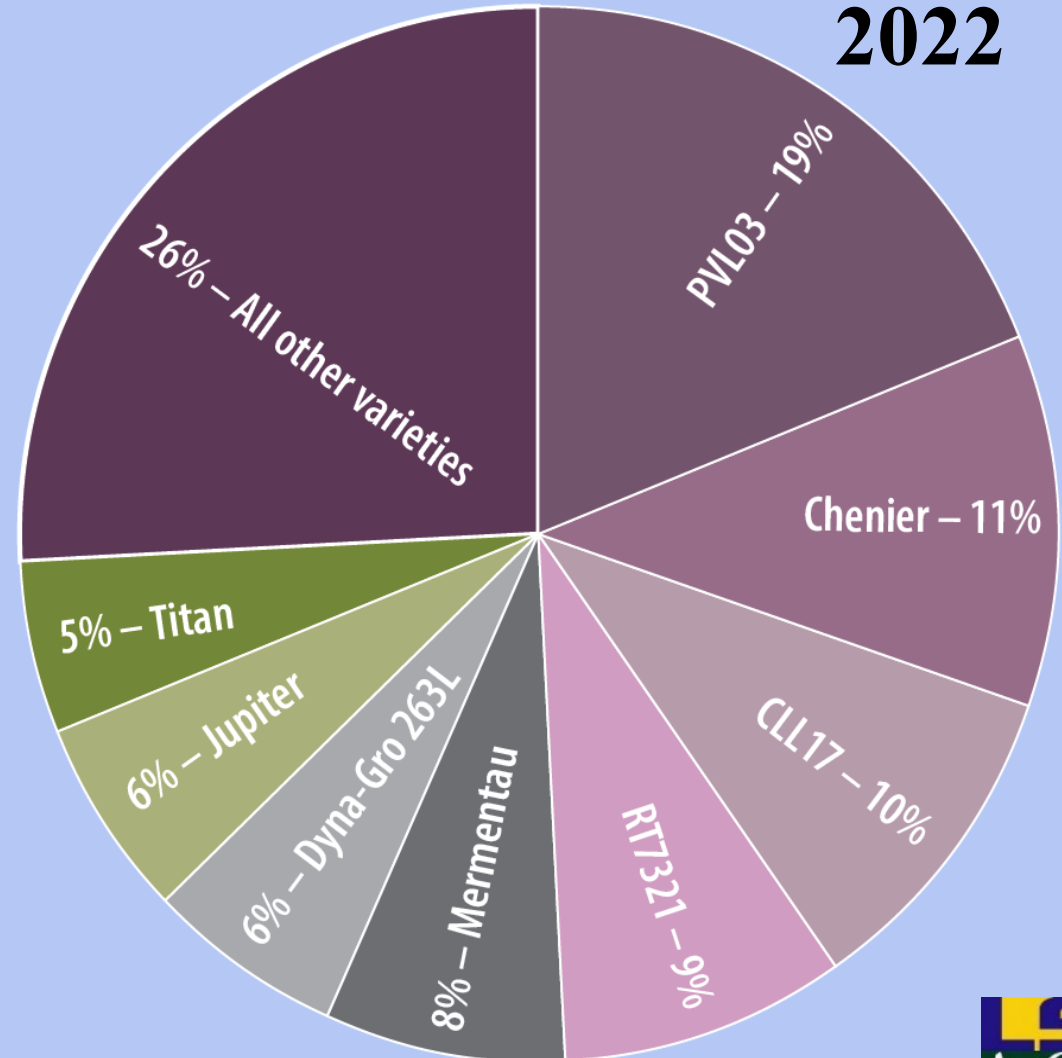


Louisiana Rice Acreage by Variety

2023



2022



Environmental Impact



Over the past 40 years, improved sustainability practices have led to increased production and crop yields while also yielding some of the greatest environmental benefits

Crop yield per acre increased 62%

Rice production increased 32%

Land use decreased 39%

Water use decreased 52%

Energy use decreased 34%

Greenhouse Gas Emissions decreased 41%

Soil loss decreased 28% (on a per acre basis)

Tillage and Water Management

Acres

180000

160000

140000

120000

100000

80000

60000

40000

20000

0

Conventional Tillage

43%

Fall Stale Seedbed

45%

2022- 37%

Spring Stale Seedbed

7%

No-Till Seedbed

5%

2023

■ Dry Seeded ■ Water Seeded

87%

13%

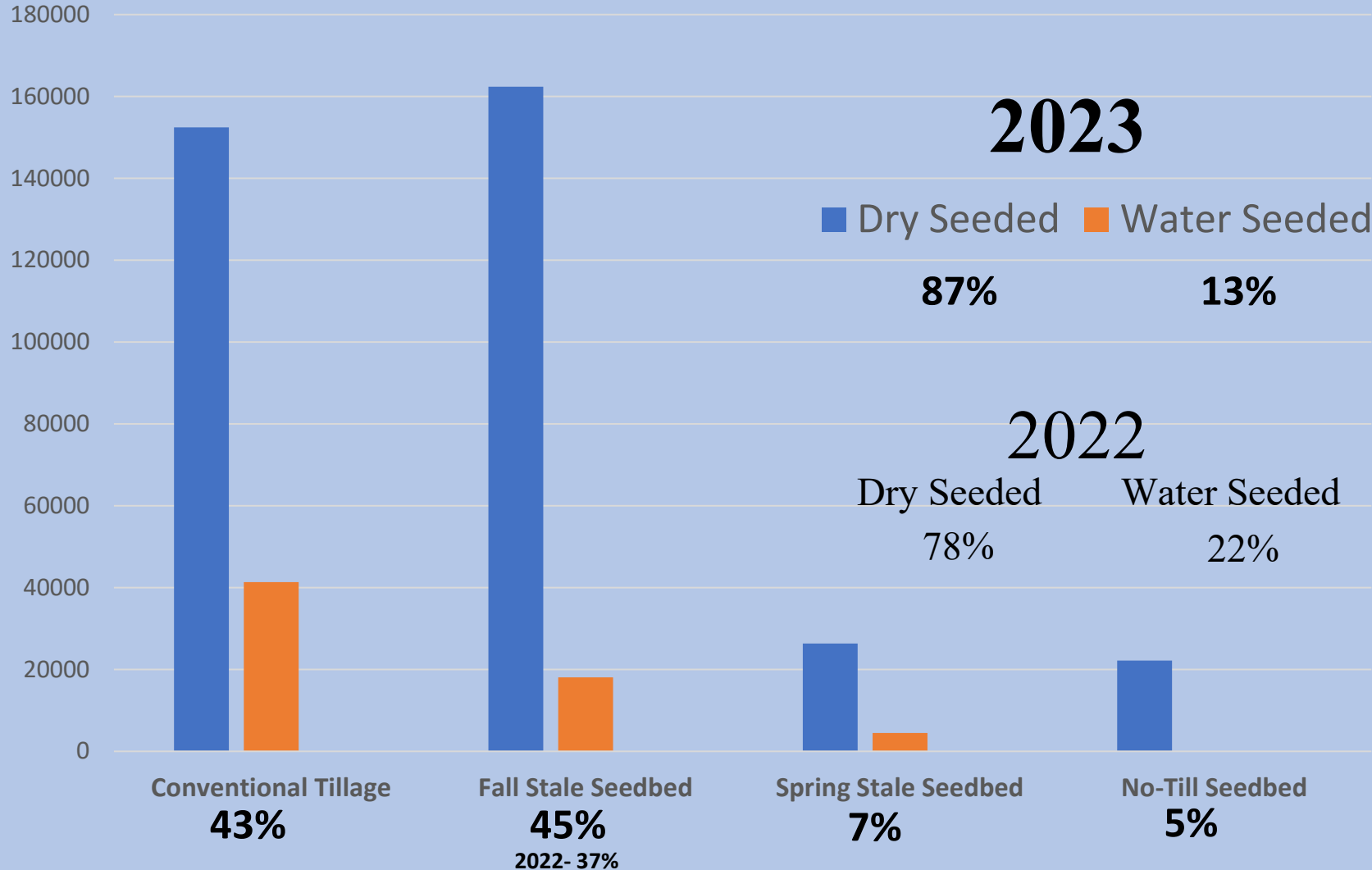
2022

Dry Seeded

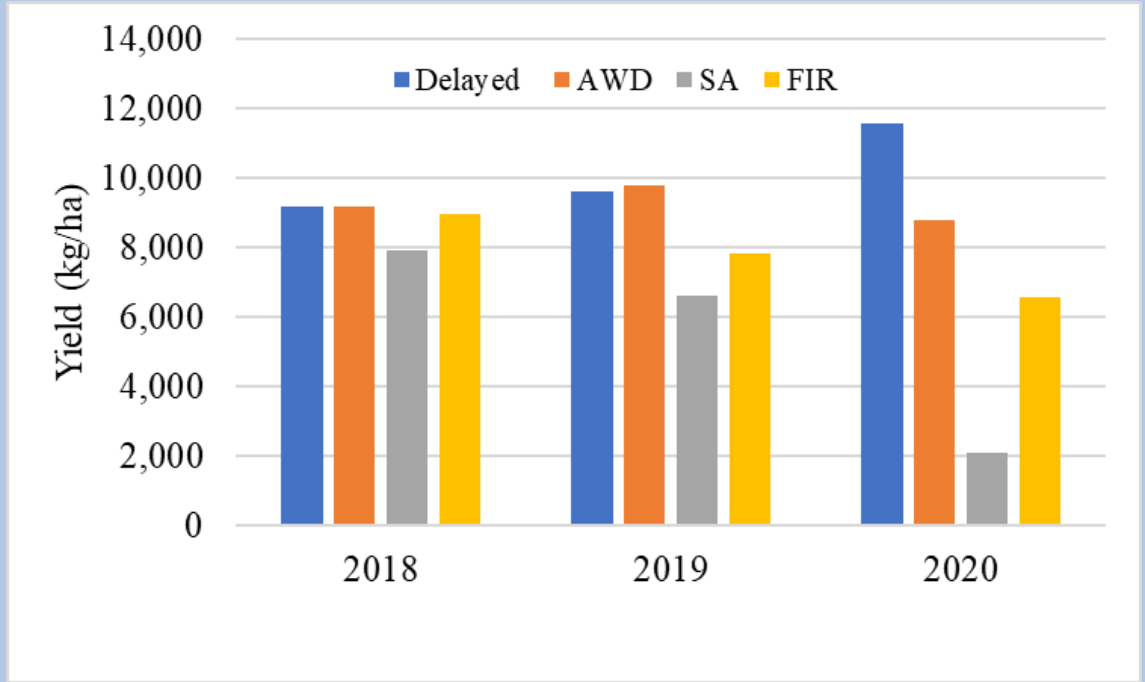
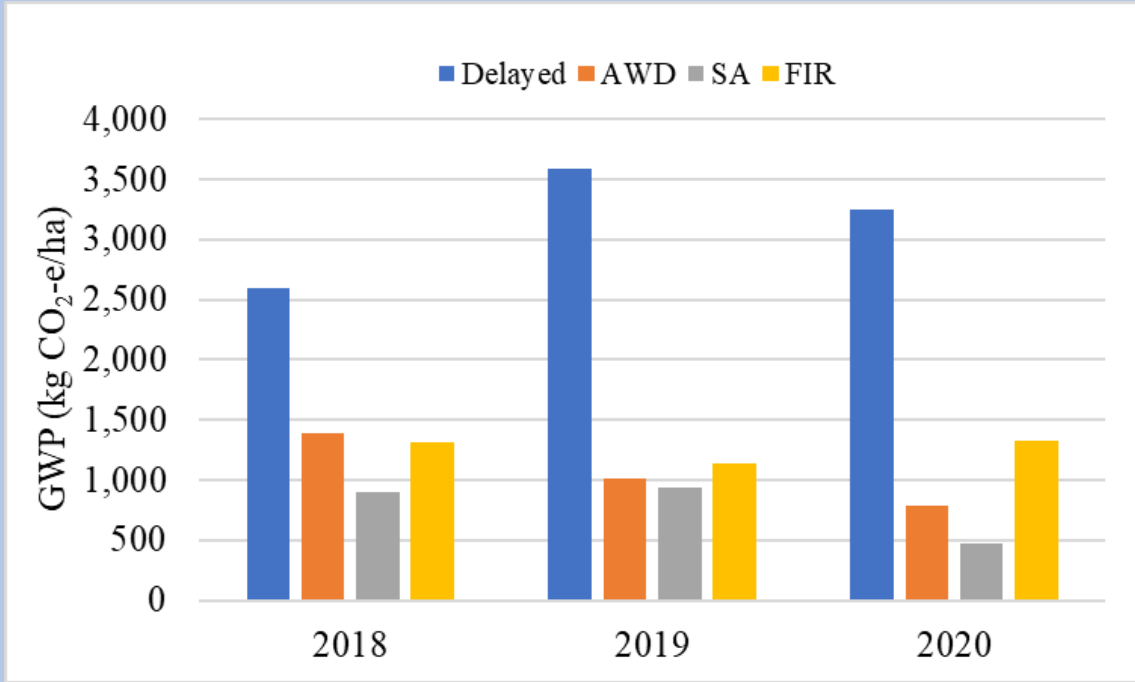
Water Seeded

78%

22%







Global warming potential (GWP – 100-year time horizon (CO₂ equivalent)) from different water management practices; delayed flooding (Delayed), alternate wetting and drying (AWD), semi-aerobic (SA), and furrow irrigated rice or row rice (FIR). The study was conducted at H. Rouse Caffey Rice Research Station from 2018-2020.

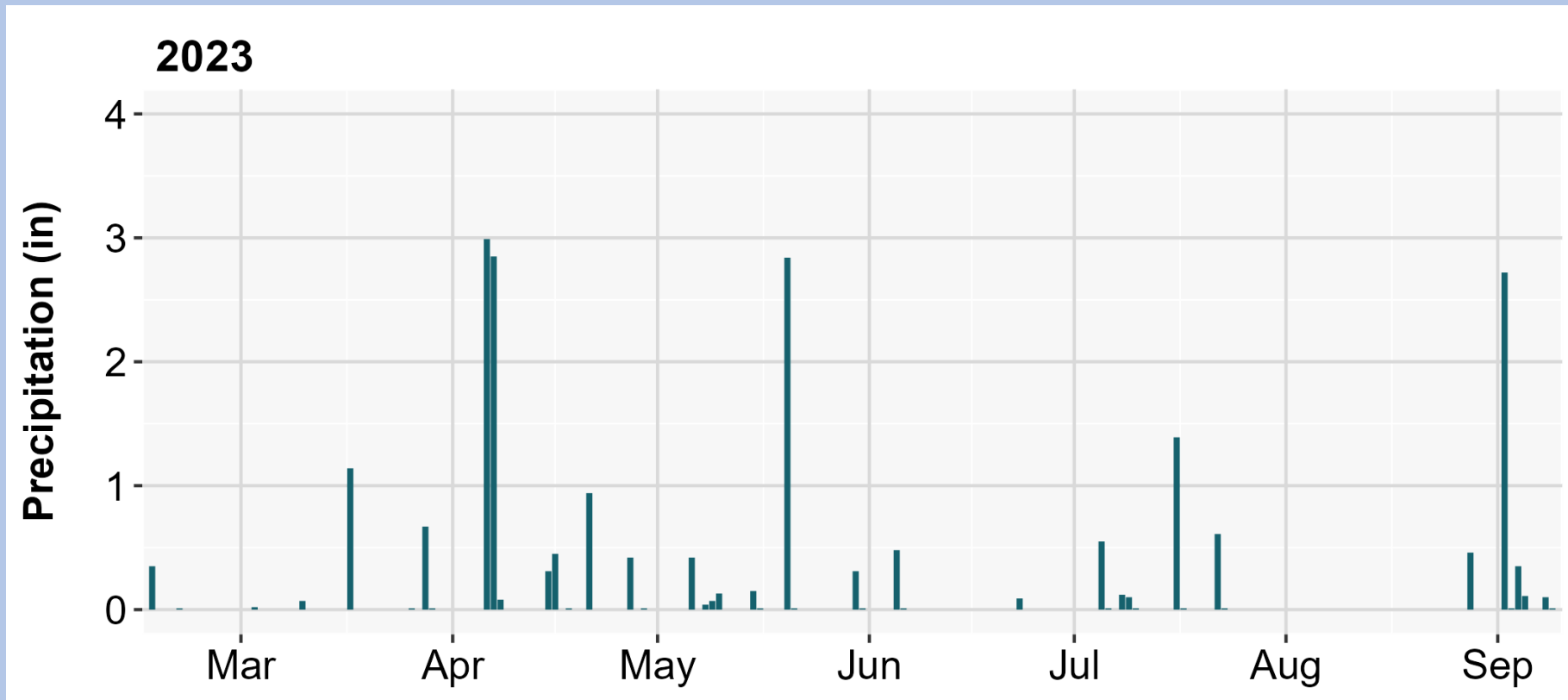
Grain yield (kg/ha) from different water management practices; delayed flooding (Delayed), alternate wetting and drying (AWD), semi-aerobic (SA), and furrow irrigated rice or row rice (FIR). The study was conducted at H. Rouse Caffey Rice Research Station from 2018-2020.

GREENHOUSE GAS

100-YEAR (GWP) Global Warming Potential

- **Carbon dioxide (CO₂)** **1**
- **Methane (CH₄)** **25**
- **Nitrous oxide (N₂O)** **298**

Drought/Excessive Heat/Salinity



\$154,913,639 loss to Rice

RED RICE/WEEDY RICE



Panicle Blight



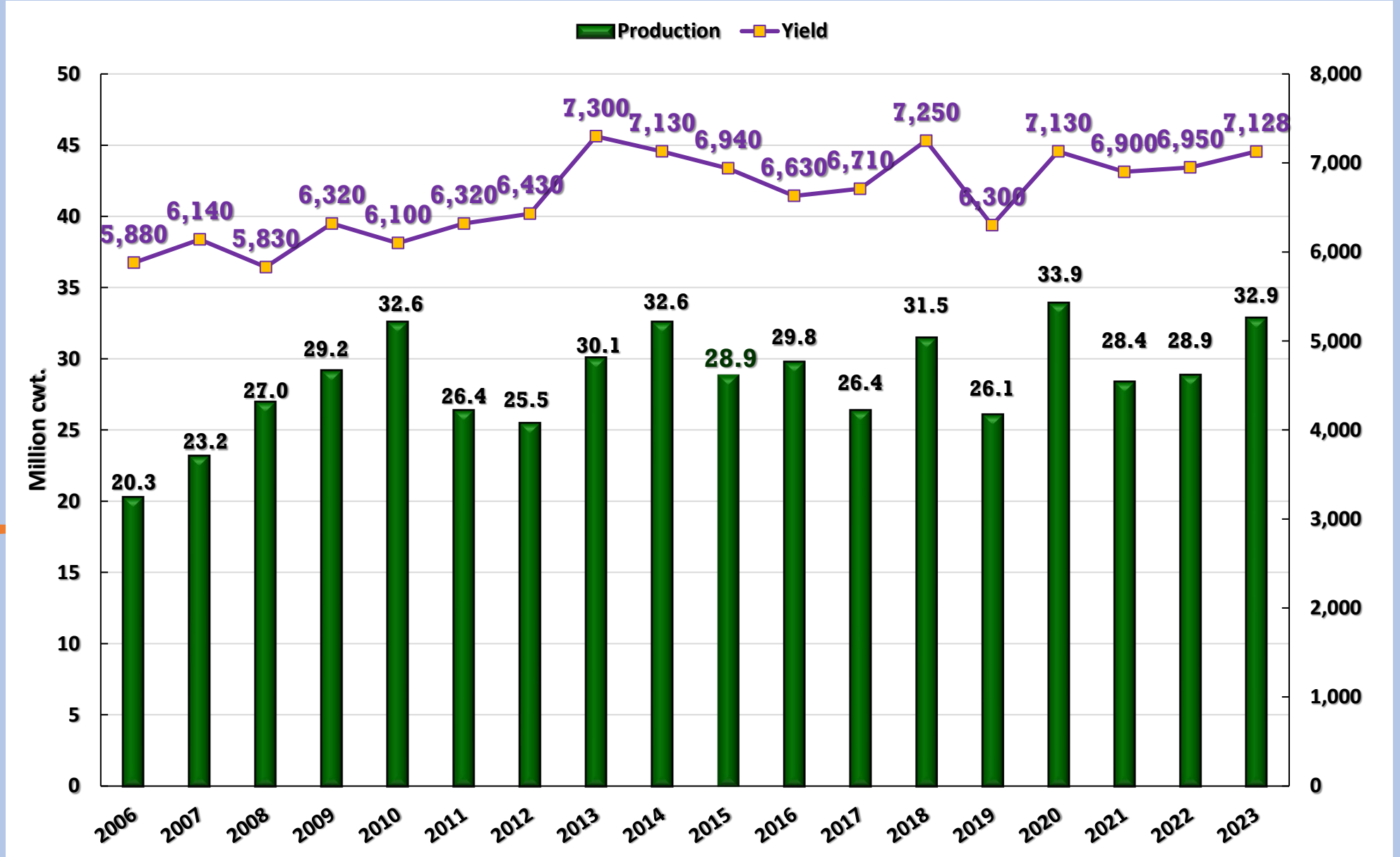
Louisiana Rough Rice Yield & Production

2023

7128 Pounds
158.4 Bushels
44 Barrels

2022

6950 Pounds
154.4 Bushels
42.9 Barrels



2023 Outlook

Expect slightly higher rice acres in Louisiana

475,000 acres

Questions?

Ronnie Levy
LSU AgCenter Rice Specialist
rlevy@agcenter.lsu.edu
Office: (337)788-7531
Cell: (337)581-4390

