

# Rice Variety Update: New and Pending Releases

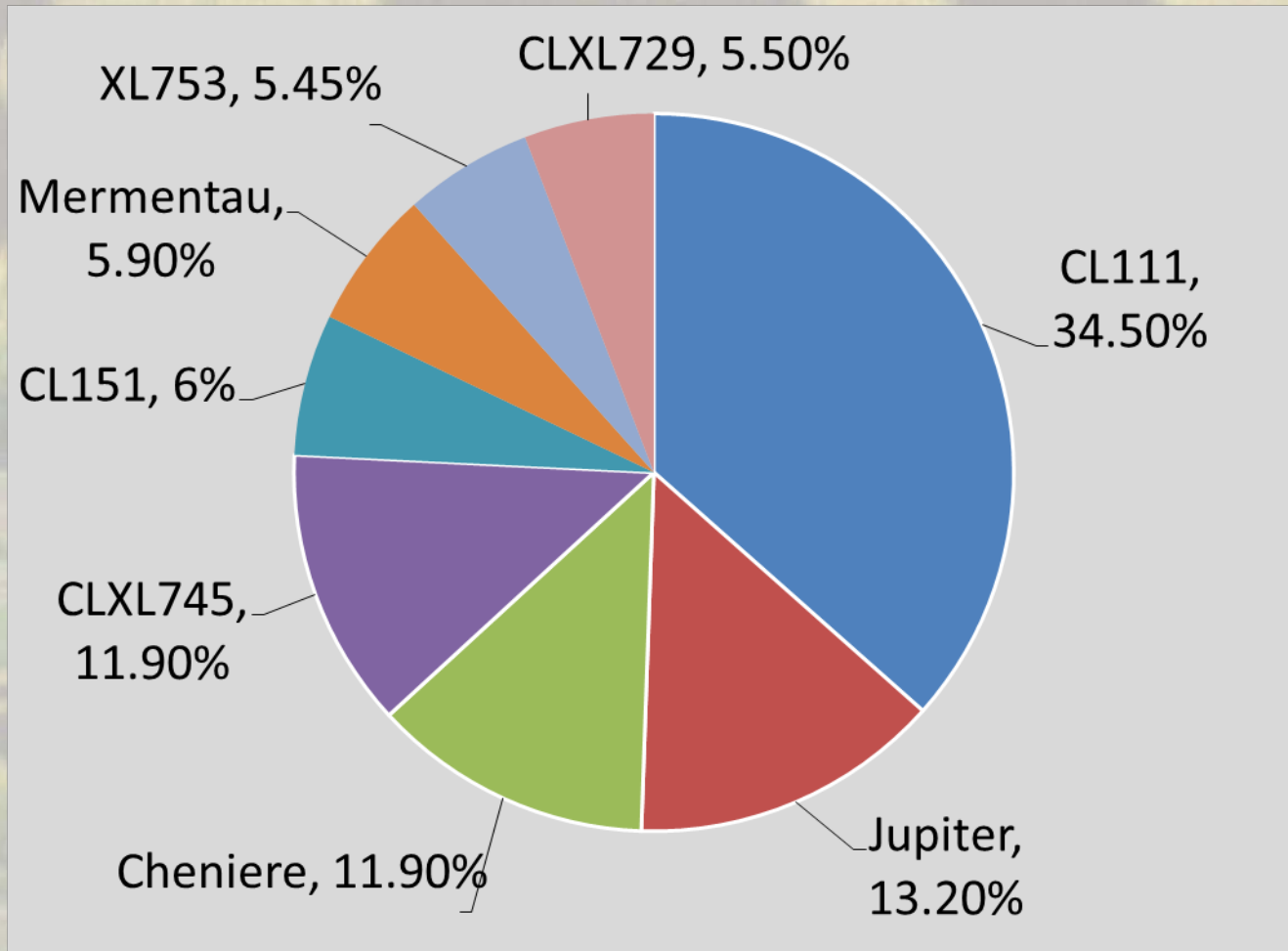
**Adam Famoso**  
**LSU AgCenter**

**Rice Research Station, Crowley, LA**

# Outline

- 2016 Variety Acreage
- 2016 LSU AgCenter Releases
- Pending LSU AgCenter Releases
- Releases from other States

# 2015 Louisiana Acreage Report



# New 2016 LSU AgCenter Rice Variety Releases

- **CL153**

- Clearfield
- Semi-dwarf
- Yield similar to CL151
- Grain quality similar to CL151
- Strong blast resistance



- **CL272**

- Clearfield
- Semi-dwarf
- Higher yielding than CL261
- Improved quality over CL271
- Good blast resistance



# New Clearfield Long Grain Variety

## CL153

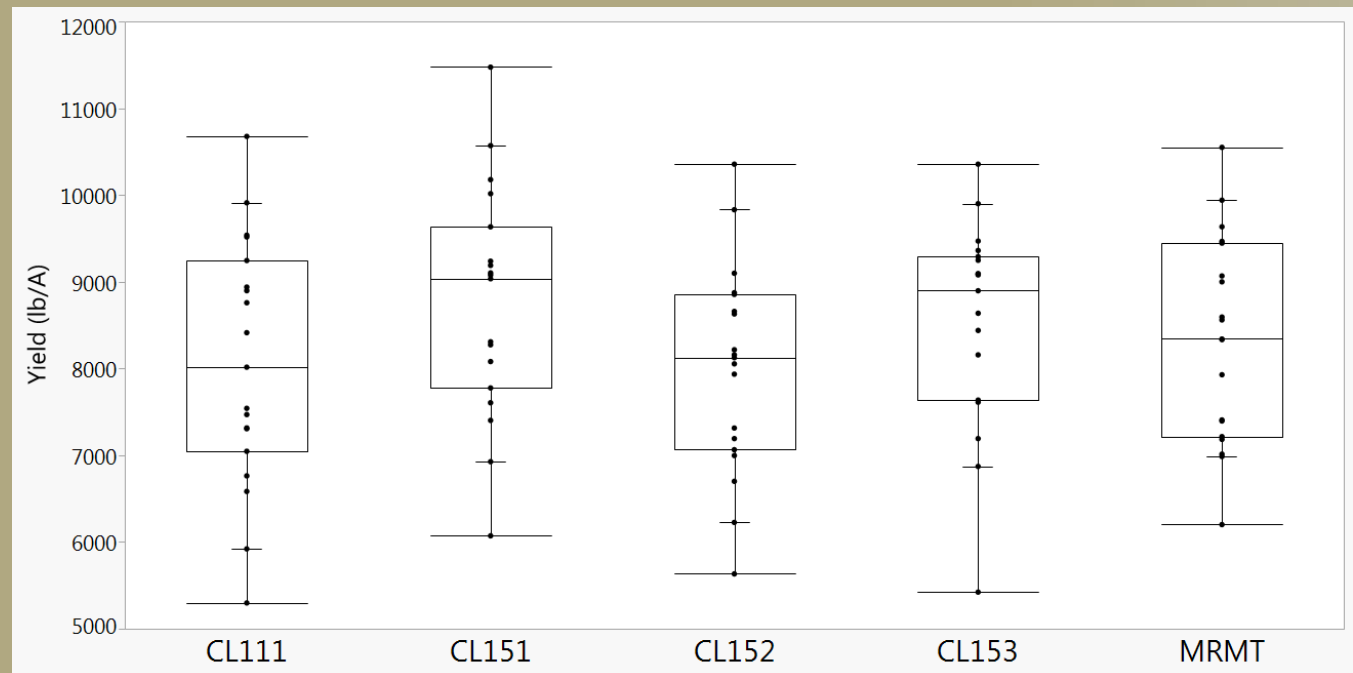
Tested as LA 2134

9502008-A//AR 1188/CCDR/3/CFX-26/9702128/4/CHENIERE



# Average main crop yields (lb/A) over Multiple Years and Locations for Key Long Grain Varieties

- 2014-2015
- 19 replicated trials
- 10 Locations



# Average main crop yields (lb/A) over Multiple Years and Locations for Key Long Grain Varieties

YEAR	TEST	CL153	CL111	CL151	MRMT
2014	URN - LOUISIANA	9361	9245	10178	10550
	URN - ARKANSAS	9248	10676	11474	9941
	URN - MISSISSIPPI	7637	7542	8309	8334
	URN - TEXAS	8897	8414	9035	8594
	URN - MISSOURI	9901	8898	9238	9466
	CA - RRS	10356	9538	10016	9635
	CA - ACADIA	8439	7470	8081	7396
	CA - EVANGELINE	8638	8016	9078	7929
	CA - JEFF DAVIS	7193	7307	7606	7014
	CA - LAKE ARTHUR	9080	8939	10570	6987
	<b>2014 AVERAGE</b>	<b>8875</b>	<b>8605</b>	<b>9350</b>	<b>8585</b>
2015	URN - LOUISIANA	9470	9517	9634	9446
	URN - ARKANSAS	9290	9911	9035	9068
	URN - MISSISSIPPI	9095	7047	9189	9000
	CA - RRS	9088	8759	9103	8341
	CA - ACADIA	6872	7316	6927	7216
	CA - EVANGELINE	5424	5299	6073	6202
	CA - JEFF DAVIS	8440	6584	7403	8561
	CA - LAKE ARTHUR	7613	6764	7777	7184
	CA - ST. LANDRY	8158	5922	8274	7408
	<b>2015 AVERAGE</b>	<b>8161</b>	<b>7458</b>	<b>8157</b>	<b>8047</b>
<b>2014-2015 GRAND AVERAGE</b>		<b>8537</b>	<b>8061</b>	<b>8789</b>	<b>8330</b>

## Ratoon crop yields (lb/A) Vermilion Parish (2015)

VARIETY	YIELD	RATOON	TOTAL YIELD
CL151	7777	4768	12545
CL153	7613	<b>4545</b>	12157
CL152	6701	4940	11641
Mermentau	7184	3934	11118
CL111	6764	3654	10418



## 2015 Crowley Disease Nursery

YEAR	TEST	CL153	CL111	CL151	CL152	MRMT
2015	SHEATH BLIGHT	6.6	7.6	7.0	7.0	6.8
	BLAST	1.2	3.0	5.2	2.5	3.8
	NARROW BROWN LEAF SPOT	3.4	4.4	2.8	1.6	2.0
	BACTERIAL PANICLE BLIGHT	2.8	3.2	4.0	0.8	2.0

# New Clearfield Medium Grain Variety

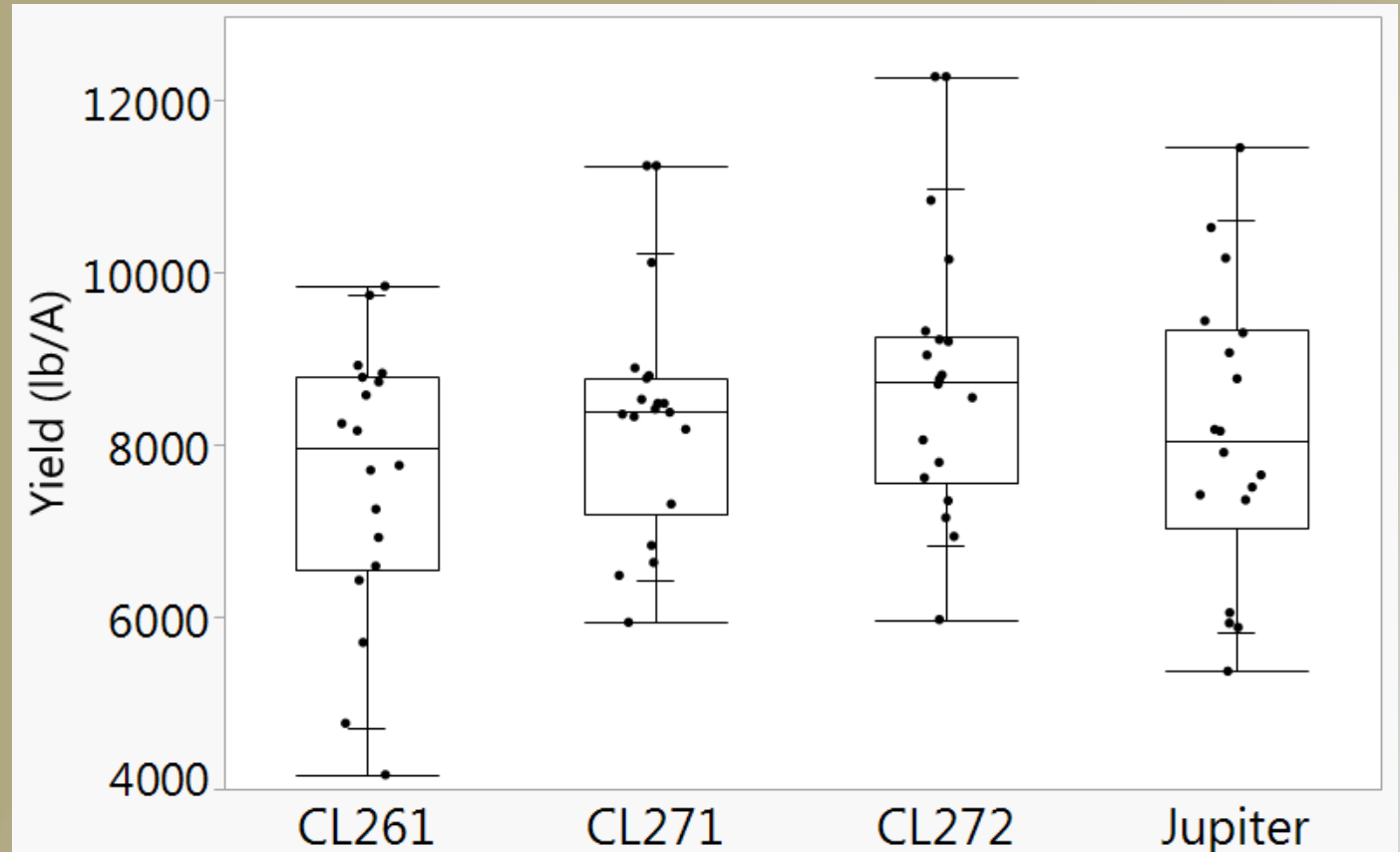
**CL272**

Tested as **LA 2008** - NPTN//BNGL/CL161



# Average main crop yields (lb/A) over Multiple Years and Locations for Key Medium Grain Varieties

- 2013-2015
- 18 replicated trials
- 7 Locations



# Main crop yields (lb/A) of CL272 and other Medium Grain Varieties

YEAR	TEST	CL272	CL261	CL271	JUPITER
2013	CA - RRS	9322	8247	8481	9440
	CA - ACADIA	9042	8577	8893	8178
	CA - EVANGELINE	8763	7761	8416	7360
	CA - JEFF DAVIS	6936	6924	6483	5879
	CA - ST. LANDRY	7350	5704	6633	7420
	CA - FRANKLIN	12277	9739	11242	10524
	<b>2013 AVERAGE</b>	<b>8948</b>	<b>7825</b>	<b>8358</b>	<b>8133</b>
2014	CA - RRS	10841	8831	10118	11452
	CA - ACADIA	9223	8164	8356	10170
	CA - EVANGELINE	10154	7705	8481	8768
	CA - JEFF DAVIS	7797	6591	6831	5370
	CA - LAKE ARTHUR	9200	8923	8773	7911
	CA - ST. LANDRY	7617	8785	8181	9070
	<b>2014 AVERAGE</b>	<b>9139</b>	<b>8167</b>	<b>8457</b>	<b>8790</b>
2015	CA - RRS	8704	7253	8804	9302
	CA - ACADIA	7154	4167	7313	7508
	CA - EVANGELINE	5970	6427	5938	6050
	CA - JEFF DAVIS	8057	4765	8378	7650
	CA - LAKE ARTHUR	8548	9843	8327	8159
	CA - ST. LANDRY	8811	8731	8528	5929
	<b>2015 AVERAGE</b>	<b>7874</b>	<b>6365</b>	<b>7881</b>	<b>7433</b>
<b>2013-2015 GRAND AVERAGE</b>		<b>8654</b>	<b>7452</b>	<b>8232</b>	<b>8119</b>

## Milling Yield of CL272 compared to other Medium Grain Varieties

VARIETY	2013	2014	2015	3 Yr. Avg.
<b>CL272</b>	68.7	70.7	72.9	71.1
<b>CL271</b>	70.0	72.4	72.3	71.7
<b>JUPITER</b>	64.9	68.1	70.9	68.4
<b>CL261</b>	68.9	71.8	72.0	71.1

**Ratoon crop yields (lb/A) for CL272 and other  
Medium Grain Varieties  
– Jeff Davis Parish (2015)**

<b>VARIETY</b>	<b>YIELD</b>	<b>RATOON</b>	<b>TOTAL YIELD</b>
<b>CL272</b>	8480	3320	11800
<b>CL271</b>	8378	4073	12451
<b>JUPITER</b>	7650	4386	12036
<b>CL261</b>	4765	2722	7488

## Disease Scores in Crowley Disease Nursery (2014-2015)

VARIETY	Blast	Sheath Blight	Narrow Leaf Brown Spot	Bac. Panicle Blight
<b>CL272</b>	<b>MS</b>	MS	MR	MR
<b>CL271</b>	MR	MS	MR	MR
<b>JUPITER</b>	MR	MS	MR	MR
<b>CL261</b>	<b>S</b>	MS	MR	MS

# Pending LSU AgCenter Rice Variety Releases

Material	Adv. Lines	Yield	Quality	Disease	Potential Release
Provisia	2	Similar to CL111	Good HR, Moderate Chalk	MR blast Sus to SB	2017
CL Jazzman	12	Slightly less than CL111	Good HR, Low Chalk, strong aroma	Good Blast Sus. to SB	2018



# New 2016 Rice Variety Releases from Arkansas

- Long Grain

- ‘Diamond’

- Conventional (non-Clearfield)
- Arkansas Plant Type

- CL172

- Clearfield, semi-dwarf
- Good blast resistance
- Yielded between CL111 and CL151 in 2015

- Medium Grain

- ‘Titan’

- Conventional (non-Clearfield)
- M206/STG99F5-07-118//JPTR
- Good Blast Resistance
- Disease package and quality similar to Jupiter



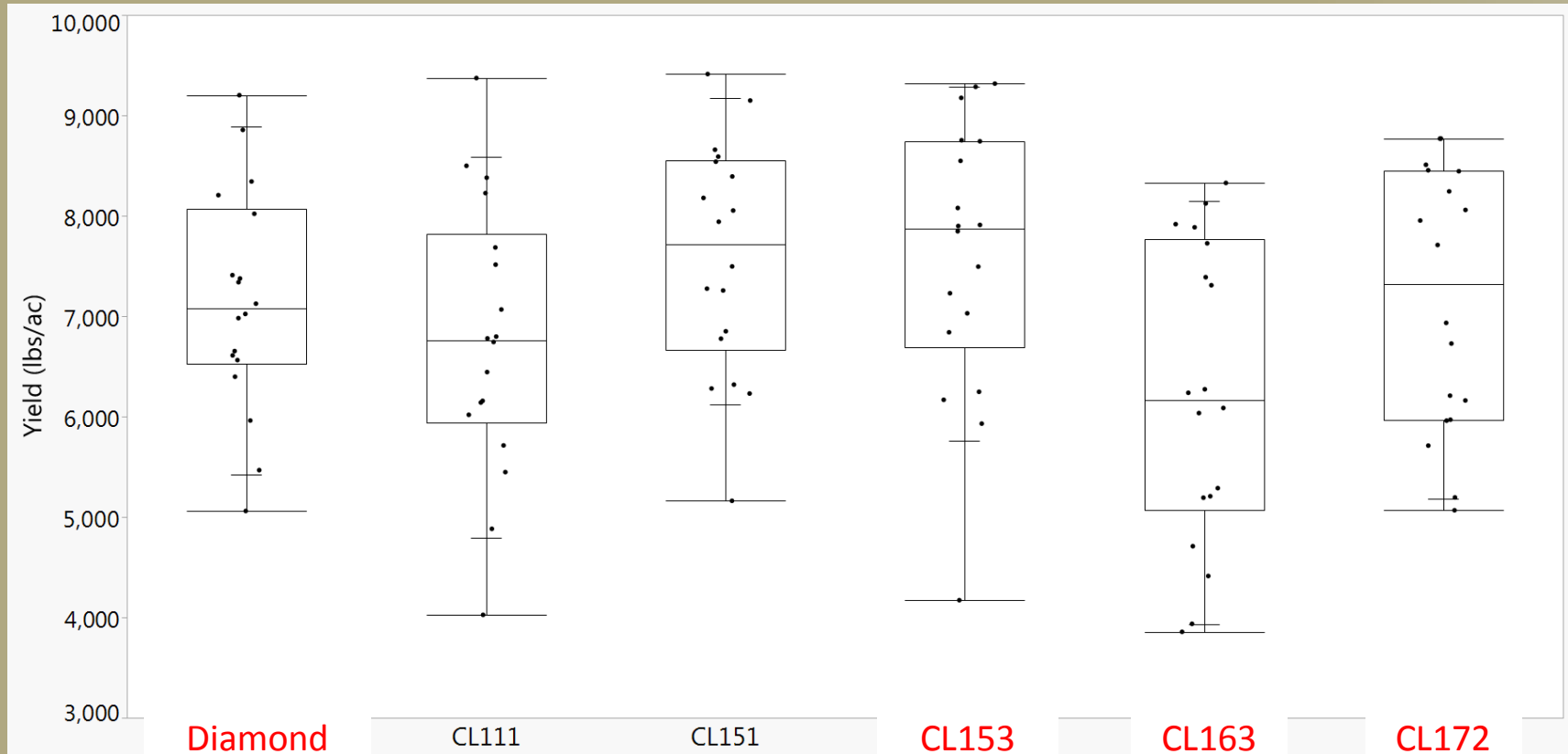
# New Rice Variety Releases from Mississippi

## – CL163

- Long Grain, Clearfield
- High Amylose (New Rex Type)
- Highly Blast Susceptible



# New Long Grain Varieties from Other States



Diamond

CL111

CL151

CL153

CL163

CL172

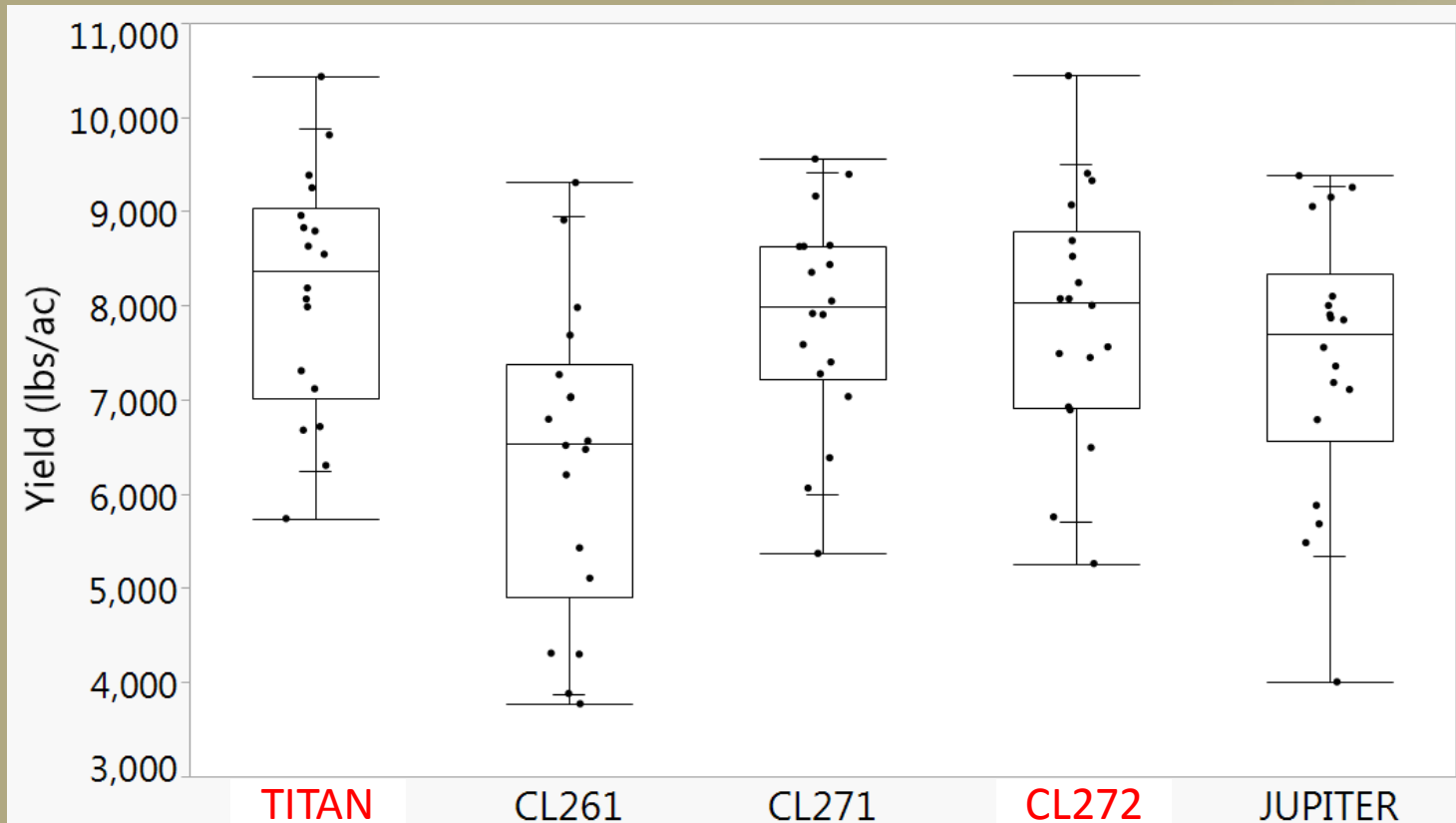
Arkansas  
(conventional)

Louisiana  
(Clearfield)

Mississippi  
(Clearfield)  
High Amylose

Arkansas  
(Clearfield)

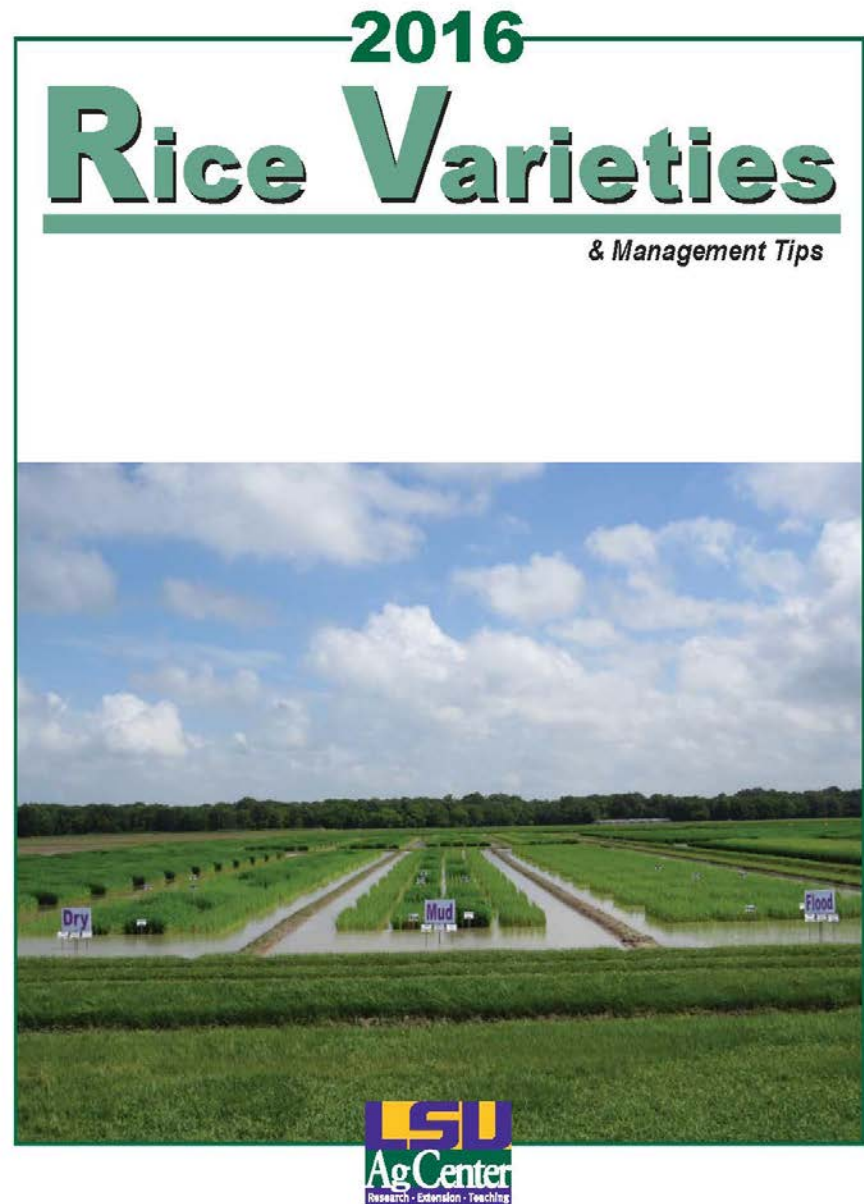
# New Medium Grain Variety from Arkansas



*Arkansas  
(conventional)*

*Louisiana  
(Clearfield)*

- 2016 Rice Varieties and Management Tips now Available online
- [http://www.lsuagcenter.com/topics/crops/rice/variety\\_trials\\_recommendations/rice-varieties-and-management-tip](http://www.lsuagcenter.com/topics/crops/rice/variety_trials_recommendations/rice-varieties-and-management-tip)



**H. Rouse Caffey  
Rice Research Station  
Field Day - June 29, 2016**

