

2016 Producer Rice Evaluation Program (Prep)



County: St. Francis

Agent: Cody Griffin

Cooperator: Sammy Meador

Location: Shell Lake

Previous Crop: Soybean

Soil Type: Clay

Objective: Evaluate rice hybrids/varieties entered in the University of Arkansas Performance Trials, under farm level management. Determine local yield potential and disease reaction of commercially available hybrids/varieties.

Tillage and Planting:

The field was worked with a field cultivator prior to planting. The producer planted the field in Roy J on April 15th. The small plot PREP test area was planted the same day.

Demo Setup:

The test included 20 cultivars (7 drill rows of each), replicated 4 times. Plots were 15 feet long.

Fertility & Pest Control:

Fertilizer application included 220lbs Urea per acre and 100 lbs of Ammonium Sulfate per acre.

The Producer made a post application of Strada xt and Super wham

Sheath Blight was found in several plots and was rated from 0-9 and the % of plot affected.

There was little Rice Blast found. Stink Bug numbers were low. There was significant Black Bird damage on a few of the early maturing cultivars.

Results:

Table 6. Preliminary Data Summary for Producer Rice Evaluation Program (PREP) Trials by County

Year	Location (County)	Cultivar	Grain Type	Moisture (%)	Test Weight (lbs/bu)	Lodging (%)	Grain Yield (bu/A)
2016	St. Francis	CLX1024	L	13.5	45.7	0.0	141.1
2016	St. Francis	CLX1111	M	.	.	.	.
2016	St. Francis	CL111	L	.	.	.	.
2016	St. Francis	CL151	L	14.7	45.8	15.0	181.1
2016	St. Francis	CL153	L	.	.	.	.
2016	St. Francis	CL163	L	13.0	46.2	22.5	162.9
2016	St. Francis	CL172	L	14.2	45.4	0.0	163.2
2016	St. Francis	CL272	M	15.7	44.7	0.0	209.0
2016	St. Francis	CLXL745	L	.	.	.	.
2016	St. Francis	CLXP766	L	14.8	46.2	10.0	202.2
2016	St. Francis	Diamond	L	15.5	45.7	5.0	219.5
2016	St. Francis	Gemini 214 CL	L	15.3	45.0	40.0	215.7
2016	St. Francis	Jupiter	M	15.3	43.3	22.5	190.9
2016	St. Francis	LaKast	L	14.8	45.2	0.0	187.8
2016	St. Francis	Mermentau	L	14.8	45.4	0.0	171.3
2016	St. Francis	Roy J	L	15.5	45.9	0.0	219.7
2016	St. Francis	Thad	L	14.9	45.7	0.0	206.9
2016	St. Francis	Titan	M	13.7	44.8	16.7	155.1
2016	St. Francis	XL753	L	15.7	45.0	30.0	250.4
2016	St. Francis	XL760	L	15.3	45.2	52.0	219.9

Disease Ratings:

Plot #	Cultivar	SB 0-9	SB %	BPB	Sheath Spot	Bird damage	Kernel Smut
9	CL111	8	15		MS	2+	S
9	CL111						
10	CL151	9	30				S
10	CL151				MS	3+	
11	CL153	8	40		MS		S
11	CL153	9	40				+
12	CL163	9	50		MS		MS
12	CL163						
13	CL172	9	30				+
13	CL172						
8	CL272			+	MS		MS
8	CL272	9	20				
14	CLX1024	9	60		MS		+
14	CLX1024				MS	3+	
15	CLX1111						+
15	CLX1111				MS		S
16	CLXL745					1+	S
16	CLXL745					1+	
18	CLXP766				MS		++
18	CLXP766				MS		
1	Diamond				S		S
1	Diamond	9	15		MS		
17	G214CL						++
17	G214CL	8	15		MS		
7	Jupiter	8	30				MS
7	Jupiter						
2	LaKast				S		S
2	LaKast	8	20				
4	Mermentau	1	30	+	MS		S
4	Mermentau	8	5		MS		
3	Roy J				MS		S
3	Roy J						++
5	Thad	8	10		S		S
5	Thad	9	5	+			
6	Titan	8	50				MS
6	Titan	9	40				
19	XL753						S
19	XL753				MS		
20	XL760	8	30	+	MS		MS
20	XL760	8	10		S		