



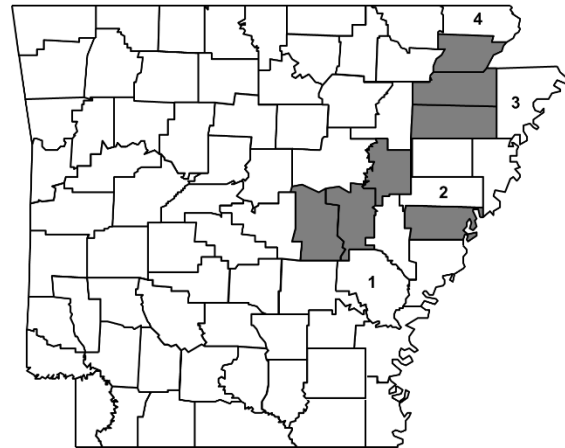
Arkansas Rice Cultivar Testing, 2017-2019

Cultivar performance data included in this publication are from the Arkansas Rice Performance Trials (ARPT), Producer Rice Evaluation Program (PREP) trials in grower fields, and from seeding date studies conducted during 2017-2019. These studies are supported through grower check-off funds administered by the Arkansas Rice Research and Promotion Board. Additional information can be found on the University of Arkansas System Division of Agriculture Cooperative Extension Service website (<http://www.uaex.edu/rice>) and the annual B.R. Wells Rice Research Series publication (<http://arkansas-ag-news.uark.edu/research-series.aspx>).

The current reported state average yield for 2019 is **166.7** bu/A as reported by the USDA Crop Reporting Service (<https://downloads.usda.library.cornell.edu/usda-esmis/files/tm70mv177/qj72pp08m/bz60d986d/crop1119.pdf>).

These studies are conducted each year to compare promising experimental lines and newly-released cultivars from the breeding programs in Arkansas, Louisiana, Mississippi, Missouri, and Texas with established cultivars currently grown in Arkansas.

Locations (1 - 4) of the ARPT (numbered) and PREP sites (shaded) for 2019.



1. Rice Research & Extension Center (RREC), Stuttgart, AR
2. Pine Tree Research Station (PTRS), Colt, AR
3. Northeast Research & Extension Center (NEREC), Keiser, AR
4. Bowers Farm, Clay County, AR

ADDITIONAL INFORMATION SOURCES

University of Arkansas Cooperative Extension Service <http://www.uaex.edu/rice>

- Rice Information Sheet No. 175
- Rice Information Sheet No. 176
- Rice Information Sheet No. 177
- Rice Information Sheet No. 178

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Arkansas Rice Performance Trials (ARPT)

2017-2019 Summary – All Locations

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	Straw Strength ²	50% Heading ³	Plant Height	Test Weight	Milled Kernel Wt ⁴	Chalky Kernels ⁴	Milling Yield by Year				Grain Yield by Year			
								2017	2018	2019	Mean	2017	2018	2019	Mean
		Rating	Days	in.	lbs/bu	mg	%	% Head Rice - % Total Rice				Bushels / Acre			
ARoma 17	LA	1.0	87	36	39.6	22.0	1.35	62-71	56-70	63-70	60-70	176	164	178	173
CL151	L	1.3	83	34	39.7	20.4	3.07	58-70	54-70	62-71	58-70	191	185	205	194
CL153	L	1.0	86	34	39.7	20.3	1.42	61-71	58-70	62-71	60-70	185	183	189	186
CL272	M	1.0	86	35	39.9	22.2	2.18	52-68	49-70	58-70	53-69	193	183	207	194
CLL15	L	1.0	86	33	39.7	21.3	1.93	58-70	56-70	59-69	58-70	190	192	206	196
CLM04	M	1.1	87	37	39.0	21.9	2.22	58-68	51-69	62-69	57-69	202	205	208	205
Diamond	L	1.0	86	37	39.7	21.4	1.68	56-69	52-69	58-70	56-70	206	206	204	205
Jazzman-2	LA	1.1	84	31	40.0	20.5	0.72	--	57-70	64-71	61-70	--	140	159	149
Jewel	L	1.0	87	37	39.7	19.9	1.41	59-71	57-70	61-71	59-70	192	186	184	187
Jupiter	M	1.0	87	34	38.8	21.4	2.08	59-67	53-69	63-68	58-68	203	199	218	207
LaKast	L	1.3	84	37	40.1	22.3	1.43	56-70	53-67	58-70	56-69	188	187	198	191
Lynx	M	1.1	87	35	39.5	23.8	2.06	53-67	49-69	59-69	54-69	206	205	215	209
PVL01	L	1.0	89	33	39.4	21.8	0.95	57-70	53-69	61-70	57-70	163	162	175	167
RT 7321 FP	L	1.3	79	38	40.7	22.2	1.74	--	48-70	55-71	51-70	--	214	237	226
RT 7501	L	1.1	83	35	40.1	21.3	0.96	--	52-70	58-70	55-70	--	235	240	237
RT 7521 FP	L	1.3	82	38	40.5	21.2	2.28	--	54-69	58-70	56-69	--	220	240	230
RT CLXL745	L	1.7	80	37	40.2	22.4	2.49	52-70	52-70	57-71	54-70	202	190	217	203
RT Gemini 214 CL	L	1.3	85	39	39.9	20.7	2.87	56-69	53-69	57-70	55-69	215	235	239	230
RT XP753	L	1.1	82	37	40.2	21.2	2.17	49-70	49-71	56-71	52-71	220	229	242	230
Titan	M	1.1	81	34	39.6	22.6	1.80	51-68	46-70	59-69	52-69	200	192	218	204
ARX6-1010	L	1.3	85	38	40.1	20.8	1.96	55-71	54-70	59-71	56-70	200	200	203	201
ARX7-1084	L	1.0	89	35	39.6	21.8	2.53	57-69	54-69	56-70	56-69	210	201	206	206
CLXAR19	L	1.0	86	36	39.6	22.2	1.72	--	50-69	55-68	53-69	--	207	205	206
Mean		1.1	85	36	39.8	21.5	1.87	56-69	52-69	59-70	56-70	197	197	208	201

¹ Grain Length: L=long grain, M=medium grain, LA=long grain aromatic; ² Relative straw strength based on field tests using scale: 1=very strong straw, 5=very weak straw; based on percent lodging; ³ Number of days from plant emergence until 50% of the panicles are visibly emerging from the boot; ⁴ Data from Riceland Grain Quality Lab, 2016-2018.

Arkansas Rice Performance Trials (ARPT)

Clay County 2017-2019 Summary – Silt Loam Soil

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	Straw Strength ²	50% Heading ³	Plant Height	Test Weight	Milling Yield by Year				Grain Yield by Year			
		Rating	Days	in.	lbs/bu	2017	2018	2019	Mean	2017	2018	2019	Mean
		% Head Rice - % Total Rice						Bushels / Acre					
ARoma 17	LA	1.0	90	35	40.4	61-71	52-71	68-72	60-72	197	178	203	193
CL151	L	1.0	86	33	40.7	62-70	46-71	67-72	58-71	199	198	221	206
CL153	L	1.0	89	32	40.3	62-71	53-71	68-73	61-72	190	198	209	199
CL272	M	1.0	92	35	40.3	61-71	35-71	66-71	54-71	218	205	212	212
CLL15	L	1.0	89	31	40.0	60-71	51-72	64-71	58-71	205	212	224	214
CLM04	M	1.3	92	35	39.7	62-71	37-71	68-71	56-71	205	226	214	215
Diamond	L	1.0	87	37	40.5	58-71	48-72	63-72	56-71	227	228	226	227
Jazzman-2	LA	1.5	84	30	41.2	--	51-71	69-73	60-72	--	159	181	170
Jewel	L	1.0	88	36	40.7	61-73	59-72	64-72	61-72	205	204	189	199
Jupiter	M	1.0	91	34	39.4	61-70	40-71	66-70	56-70	218	230	200	216
LaKast	L	1.0	85	36	40.8	61-71	54-72	64-72	60-72	201	213	206	207
Lynx	M	1.7	91	34	40.0	60-70	39-72	64-71	54-71	222	216	209	216
PVL01	L	1.0	94	32	40.1	57-71	54-71	64-72	58-71	176	177	193	182
RT 7321 FP	L	2.5	79	38	41.5	--	33-72	61-73	47-73	--	245	256	250
RT 7501	L	1.5	83	35	41.4	--	39-71	62-72	51-72	--	244	240	242
RT 7521 FP	L	2.5	81	37	41.7	--	45-72	62-72	53-72	--	225	253	239
RT CL XL745	L	2.0	83	37	41.1	60-71	41-72	63-73	54-72	218	214	236	223
RT Gemini 214 CL	L	1.7	86	38	40.9	61-70	41-72	61-72	54-71	227	247	246	240
RT XP753	L	1.0	85	35	41.0	59-71	37-73	63-73	53-73	230	261	256	249
Titan	M	1.0	84	34	40.7	49-69	27-71	66-71	47-71	198	216	242	219
ARX6-1010	L	1.0	87	37	41.1	60-73	51-72	66-73	59-73	215	206	219	213
ARX7-1084	L	1.0	91	34	40.6	59-70	50-71	64-71	58-71	229	196	222	216
CLXAR19	L	1.0	87	35	40.6	--	43-71	60-70	51-71	--	224	207	215
Mean		1.3	87	34.8	40.6	60-71	44-72	65-72	56-71	210	214	220	216

¹ Grain Length: L=long grain, M=medium grain, LA= long grain aromatic; ² Relative straw strength based on field tests using the scale: 1=very strong straw, 5=very weak straw; based on percent lodging; ³ Number of days from plant emergence until 50% of the panicles are visibly emerging from the boot.



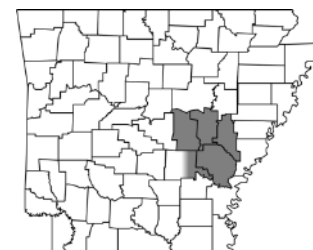
Arkansas Rice Performance Trials (ARPT)

RREC, Arkansas County 2017-2019 Summary – Silt Loam Soil

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	Straw Strength ²	50% Heading ³	Plant Height	Test Weight	Milling Yield by Year				Grain Yield by Year			
		Rating	Days	in.	lbs/bu	2016	2017	2018	Mean	2016	2017	2018	Mean
		% Head Rice - % Total Rice						Bushels / Acre					
ARoma 17	LA	1.0	87	35	39.3	67-71	61-69	62-69	63-70	162	160	181	168
CL151	L	1.0	85	33	39.1	65-70	63-70	63-70	64-70	200	190	206	198
CL153	L	1.0	87	32	39.3	66-71	63-70	63-70	64-71	189	189	188	189
CL272	M	1.0	86	34	39.3	64-68	60-69	62-69	62-68	196	174	231	201
CLL15	L	1.0	86	30	39.5	66-71	62-71	61-71	63-71	192	201	214	203
CLM04	M	1.0	88	36	39.1	63-66	62-68	64-68	63-67	191	196	231	206
Diamond	L	1.0	86	35	39.7	60-68	57-68	55-68	57-68	214	204	219	212
Jazzman-2	LA	1.0	86	30	39.8	--	64-70	64-70	64-70	--	145	141	143
Jewel	L	1.0	87	37	39.2	60-70	58-69	57-69	59-69	203	183	220	202
Jupiter	M	1.0	88	34	38.7	62-65	61-68	63-68	62-67	198	207	246	217
LaKast	L	1.0	84	37	39.6	57-69	58-70	57-70	57-70	194	191	213	199
Lynx	M	1.0	88	33	39.0	62-67	61-69	63-69	62-68	201	218	237	219
PVL01	L	1.0	89	32	38.8	63-70	56-68	60-68	59-69	174	172	192	179
RT 7321 FP	L	1.0	82	38	40.5	--	60-69	55-69	57-69	--	217	248	232
RT 7501	L	1.0	84	35	40.1	--	61-70	60-70	60-70	--	259	274	267
RT 7521 FP	L	1.0	85	38	40.5	--	60-68	57-68	58-68	--	230	256	243
RT CL XL745	L	1.7	83	36	39.8	58-70	60-69	57-69	58-69	208	221	225	218
RT Gemini 214 CL	L	1.0	87	38	38.8	57-68	59-69	58-69	58-68	210	231	261	234
RT XP753	L	1.3	84	36	39.7	57-70	62-71	60-71	59-71	231	252	265	249
Titan	M	1.3	83	33	39.1	61-67	64-70	62-70	62-69	214	208	226	216
ARX6-1010	L	1.3	84	36	39.8	63-72	60-69	59-70	61-70	213	197	219	210
ARX7-1084	L	1.0	89	34	39.3	61-68	60-68	56-68	59-68	201	204	225	210
CLXAR19	L	1.0	87	35	40.0	--	55-67	51-67	53-67	--	198	233	215
Mean		1.1	86	35	39.5	62-69	60-69	60-69	60-69	200	202	224	210

¹ Grain Length: L=long grain, M=medium grain, LA=long grain aromatic; ² Relative straw strength based on field tests using the scale: 1=very strong straw, 5=very weak straw; based on percent lodging; ³ Number of days from plant emergence until 50% of the panicles are visibly emerging from the boot.



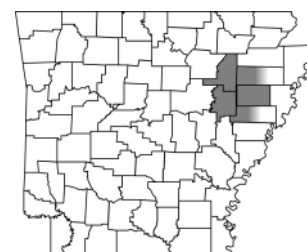
Arkansas Rice Performance Trials (ARPT)

PTRS, St. Francis County 2017-2019 Summary – Silt Loam Soil

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	Straw Strength ²	50% Heading ³	Plant Height	Test Weight	Milling Yield by Year				Grain Yield by Year			
		Rating	Days	in.	lbs/bu	2017	2018	2019	Mean	2017	2018	2019	Mean
		% Head Rice - % Total Rice						Bushels / Acre					
ARoma 17	LA	1.0	82	37	39.4	62-70	55-69	55-70	57-70	169	160	142	157
CL151	L	1.0	77	36	39.8	54-68	55-69	53-70	54-69	186	196	187	190
CL153	L	1.0	81	36	39.6	58-69	58-70	54-71	57-70	171	180	168	173
CL272	M	1.0	79	35	40.0	43-65	50-70	38-69	43-68	174	201	175	183
CLL15	L	1.0	80	35	39.9	55-68	56-70	48-69	53-69	182	194	185	187
CLM04	M	1.0	81	38	38.7	55-66	57-69	51-69	54-68	204	209	181	198
Diamond	L	1.0	82	38	39.4	60-69	51-69	52-70	54-69	177	195	179	183
Jazzman-2	LA	1.0	78	32	40.1	--	59-69	53-70	56-70	--	135	137	136
Jewel	L	1.0	82	37	39.7	61-71	57-70	61-72	60-71	169	183	156	169
Jupiter	M	1.0	81	34	38.6	55-65	54-68	61-67	57-66	184	177	198	186
LaKast	L	1.0	80	38	40.2	58-70	52-70	49-70	53-70	172	190	167	176
Lynx	M	1.0	81	35	39.8	45-65	51-69	47-69	48-68	191	218	185	198
PVL01	L	1.0	83	34	39.4	54-68	55-69	56-69	55-69	134	165	151	150
RT 7321 FP	L	1.0	72	38	41.0	--	49-70	42-70	45-70	--	223	206	215
RT 7501	L	1.0	77	35	40.3	--	54-69	47-68	51-69	--	229	197	213
RT 7521 FP	L	1.0	75	38	40.9	--	56-69	50-70	53-69	--	228	216	222
RT CL XL745	L	1.0	75	39	40.2	53-69	53-69	46-70	51-69	199	209	192	200
RT Gemini 214 CL	L	1.0	80	41	40.1	56-67	54-69	47-69	52-69	219	240	212	224
RT XP753	L	1.0	76	39	40.3	51-68	51-70	40-70	47-69	201	232	201	211
Titan	M	1.0	74	35	39.4	50-66	47-69	43-68	47-68	164	201	187	184
ARX6-1010	L	1.0	81	38	40.2	56-70	54-70	49-71	53-70	185	209	170	188
ARX7-1084	L	1.0	83	36	39.6	54-67	52-69	40-69	49-68	201	204	179	194
CLXAR19	L	1.0	79	35	39.9	--	51-69	54-69	52-69	--	214	193	204
Mean		1.0	79	36	39.8	55-68	53-69	49-70	52-69	182	200	181	189

¹ Grain Length: L=long grain, M=medium grain, LA=long grain aromatic; ² Relative straw strength based on field tests using the scale: 1=very strong straw, 5=very weak straw; based on percent lodging; ³ Number of days from plant emergence until 50% of the panicles are visibly emerging from the boot.



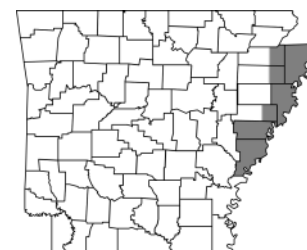
Arkansas Rice Performance Trials (ARPT)

NEREC, Mississippi County 2017-2019 Summary – Silty Clay Soil

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	Straw Strength ²	50% Heading ³	Plant Height	Test Weight	Milling Yield by Year				Grain Yield by Year			
		Rating	Days	in.	lbs/bu	2017	2018	2019	Mean	2017	2018	2019	Mean
		% Head Rice - % Total Rice						Bushels / Acre					
ARoma 17	LA	1.0	91	39	39.1	62-71	51-68	65-70	59-70	168	149	184	167
CL151	L	1.3	86	34	39.3	59-71	44-67	64-70	56-69	178	157	208	181
CL153	L	1.0	91	34	38.9	64-72	52-68	63-69	60-70	181	160	192	178
CL272	M	1.0	88	35	39.4	61-69	39-67	67-70	56-69	195	155	210	187
CLL15	L	1.0	90	34	39.1	63-72	50-67	63-69	59-69	191	157	200	183
CLM04	M	1.0	90	37	38.5	62-68	42-67	64-67	56-67	205	180	208	198
Diamond	L	1.0	91	37	38.9	61-71	50-68	62-69	58-69	208	189	193	196
Jazzman-2	LA	1.0	87	33	39.4	--	50-67	68-71	59-69	--	117	174	146
Jewel	L	1.0	91	37	39.0	60-71	53-68	60-68	58-69	192	157	171	173
Jupiter	M	1.0	89	35	38.5	64-68	52-66	62-65	59-67	208	191	230	209
LaKast	L	1.0	88	37	39.9	60-72	42-69	60-69	54-70	197	161	207	188
Lynx	M	1.0	89	36	39.0	59-67	33-67	63-66	52-67	208	169	229	202
PVL01	L	1.0	93	33	38.9	59-70	43-65	63-71	55-69	144	122	164	143
RT 7321 FP	L	1.0	82	40	40.4	--	40-68	62-71	51-69	--	170	237	204
RT 7501	L	1.0	88	37	39.2	--	46-66	63-70	55-68	--	212	247	229
RT 7521 FP	L	1.0	88	39	39.6	--	50-66	61-69	55-67	--	201	233	217
RT CL XL745	L	1.7	81	37	39.6	52-70	49-69	64-71	55-70	--	116	214	165
RT Gemini 214 CL	L	1.7	90	39	39.3	59-71	51-66	60-68	57-68	202	226	235	221
RT XP753	L	1.0	86	37	40.0	48-70	36-69	62-72	49-70	222	165	245	210
Titan	M	1.0	82	34	39.3	60-69	33-68	67-69	53-69	212	160	218	197
ARX6-1010	L	1.0	89	38	39.4	59-71	49-68	63-70	57-70	178	193	205	192
ARX7-1084	L	1.0	94	36	38.6	61-70	50-68	65-70	59-70	217	198	197	204
CLXAR19	L	1.0	92	38	38.7	--	44-67	55-66	50-67	--	189	187	188
Mean		1.1	89	36	39.2	60-70	46-67	63-69	56-69	194	169	208	190

¹ Grain Length: L=long grain, M=medium grain, LA=long grain aromatic; ² Relative straw strength based on field tests using the scale: 1=very strong straw, 5=very weak straw; based on percent lodging; ³ Number of days from plant emergence until 50% of the panicles are visibly emerging from the boot.



Arkansas Rice Performance Trials (ARPT)

2019 Summary

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	Straw Strength ²	50% Heading ³	Plant Height	Test Weight	Milling Yield ⁴	Grain Yield by Location and Planting Date				
							CLAY	NEREC	PTRS	RREC	MEAN
							April 3	April 30	May 16	April 18	
Rating	Days	in.	lbs/bu	%HR-%TR	Bushels / Acre						
ARoma 17	LA	1.0	85	36	39.9	63-70	203	184	142	181	178
CL151	L	1.0	82	34	40.2	62-71	221	208	187	206	205
CL153	L	1.0	85	33	39.9	62-71	209	192	168	188	189
CL272	M	1.0	85	35	40.3	58-70	212	210	175	231	207
CLJ01	LA	1.0	83	32	40.5	65-71	194	174	155	183	177
CLL15	L	1.0	84	31	40.4	59-69	224	200	185	214	206
CLM04	M	1.0	86	37	39.7	62-69	214	208	181	231	208
DGL044	L	1.0	88	33	38.5	61-70	188	180	203	254	206
DGL263	L	1.5	82	34	39.8	58-68	238	255	209	252	239
Diamond	L	1.0	85	35	40.5	58-70	226	193	179	219	204
Jazzman-2	LA	1.0	84	32	40.2	64-71	181	174	137	141	159
Jewel	L	1.0	85	36	40.1	61-71	189	171	156	220	184
Jupiter	M	1.0	86	34	39.0	63-68	200	230	198	246	218
LaKast	L	1.0	82	35	40.8	58-70	206	207	167	213	198
Lynx	M	1.0	85	34	39.9	59-69	209	229	185	237	215
MM17	M	1.0	85	32	39.9	60-69	218	204	159	231	203
PVL01	L	1.0	87	32	39.9	61-70	193	164	151	192	175
PVL02	L	1.0	83	34	40.4	65-72	191	184	164	179	180
RT 3201	M	1.0	78	37	41.1	58-70	194	188	165	217	191
RT 7301	L	1.3	82	36	40.8	57-71	255	245	197	274	243
RT 7321 FP	L	1.0	79	38	41.2	55-71	256	237	206	248	237
RT 7501	L	1.0	84	35	40.2	58-70	240	247	197	274	240
RT 7521 FP	L	1.0	82	38	40.8	58-70	253	233	216	256	240
RT CLXL745	L	1.3	79	36	41.6	57-71	236	214	192	225	217
RT Gemini 214 CL	L	1.0	83	38	40.3	57-70	246	235	212	261	239
RT XP753	L	1.0	81	36	40.9	56-71	256	245	201	265	242

Titan	M	1.0	80	34	40.0	59-69	242	218	187	226	218
ARX6-1010	L	1.3	83	36	40.8	59-71	219	205	170	219	203
ARX7-1084	L	1.0	86	34	40.0	56-70	222	197	179	225	206
CLX5-4197	L	1.0	85	32	40.4	60-70	194	208	173	208	196
CLX6-2097	L	1.0	83	33	40.8	60-69	205	202	182	213	201
CLX6-2195	L	1.0	84	32	40.6	61-71	211	197	173	194	194
CLXAR19	L	1.0	87	36	39.7	55-68	207	187	193	233	205
Mean		1.0	84	35	40.3	59-70	217	207	180	223	207

¹ Grain Length: L=long grain, M=medium grain, LA=long grain aromatic; ² Relative straw strength based on field tests using the scale: 1=very strong straw, 5=very weak straw; based on percent lodging; ³ Number of days from plant emergence until 50% of the panicles are visibly emerging from the boot; ⁴ %HR = head rice; %TR = total milled rice.

Producer Rice Evaluation Program (PREP) On-Farm Trials

2019 Grain Yield Summary

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	County Location / Planting Date / Soil Type						MEAN
		Greene	Lee	Lonoke	Poinsett	Prairie	Woodruff	
		April 11	March 28	June 4	April 30	May 28	May 15	
		Wiville Fine Sandy Loam	Calloway Silt Loam	Perry Silty Clay	Henry Silt Loam	Dewitt Silt Loam	Patterson Fine Sandy Loam	
Grain Yield (Bushels / Acre)								
ARoma 17	LA	161	190	163	185	163	193	176
CL151	L	180	231	182	195	153	219	193
CL153	L	160	211	171	186	168	205	184
CL272	M	163	232	180	185	163	221	191
CLJ01	LA	135	185	153	175	154	161	161
CLL15	L	192	238	189	205	173	201	200
CLM04	M	188	208	184	170	176	197	187
Diamond	L	178	209	198	221	181	262	208
Jazzman-2	LA	115	191	142	163	144	197	159
Jewel	L	177	216	193	211	186	228	202
Jupiter	M	207	250	190	222	206	217	215
Lynx	L	189	244	196	172	191	198	198
PVL01	L	154	196	150	182	145	196	171
PVL02	L	152	192	154	164	146	179	164
RT 3201	M	160	192	191	183	173	193	182
RT 7301	L	186	246	207	257	217	263	229
RT 7321 FP	L	195	217	173	233	214	252	214
RT 7501	L	200	219	223	221	198	253	219
RT 7521 FP	L	202	238	201	235	209	254	223
RT CLXL745	L	197	210	170	207	196	229	201
RT Gemini 214 CL	L	211	250	216	233	219	264	232
RT XP753	L	190	231	210	257	240	275	234
Titan	L	184	219	184	230	196	253	211
CLX5-4197	L	170	214	166	203	175	211	190
CLXAR19	L	197	246	203	224	212	245	221
Mean		178	219	184	205	184	223	199

¹ Grain Length: L=long grain; M=medium grain; LA=long grain aromatic.

Producer Rice Evaluation Program (PREP) On-Farm Trials

2019 Milling Yield Summary

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	County Location / Planting Date / Soil Type						MEAN
		Greene	Lee	Lonoke	Poinsett	Prairie	Woodruff	
		April 11	March 28	June 4	April 30	May 28	May 15	
		Wiville Fine Sandy Loam	Calloway Silt Loam	Perry Silty Clay	Henry Silt Loam	Dewitt Silt Loam	Patterson Fine Sandy Loam	
Milling Yield (%Head Rice - %Total Rice)								
ARoma 17	LA	66-72	65-71	71-74	66-73	66-71	60-71	66-72
CL151	L	66-73	66-72	69-73	66-72	66-71	63-71	66-72
CL153	L	65-72	64-71	68-74	68-73	66-72	63-72	66-72
CL272	M	58-71	62-71	62-73	65-72	62-69	60-71	61-71
CLJ01	LA	68-72	68-72	70-73	68-72	68-72	60-71	67-72
CLL15	L	64-71	64-71	68-73	66-71	63-70	60-71	64-71
CLM04	M	67-71	66-71	67-73	69-73	65-70	67-71	67-71
Diamond	L	60-72	58-71	66-73	66-73	63-71	65-73	63-72
Jazzman-2	LA	69-73	67-72	67-73	68-73	--	61-71	66-72
Jewel	L	65-73	61-71	67-73	69-73	65-72	64-72	65-72
Jupiter	M	67-70	66-70	66-71	67-71	67-70	66-70	67-70
Lynx	L	63-71	62-71	68-73	68-73	66-71	67-72	65-72
PVL01	L	64-71	64-72	67-73	65-72	65-72	66-71	65-72
PVL02	L	68-73	67-72	68-74	69-74	70-74	65-72	68-73
RT 3201	M	61-71	54-70	66-73	65-71	66-71	58-70	62-71
RT 7301	L	51-72	56-71	60-73	64-73	66-73	52-72	58-72
RT 7321 FP	L	55-71	52-71	57-73	60-72	62-72	48-71	56-72
RT 7501	L	60-71	58-70	66-73	62-71	65-71	59-70	61-71
RT 7521 FP	L	58-70	60-71	66-73	66-73	65-71	55-71	62-72
RT CLXL745	L	59-72	57-71	63-74	66-73	65-72	56-72	61-72
RT Gemini 214 CL	L	56-71	60-71	65-73	66-73	65-71	59-72	62-72
RT XP753	L	58-72	56-71	64-73	64-74	65-73	54-72	60-73
Titan	L	62-71	60-69	66-72	64-71	65-70	62-70	63-71
CLX5-4197	L	65-72	63-71	67-72	66-72	65-71	63-71	65-72
CLXAR19	L	61-71	57-69	64-72	64-72	62-70	64-72	62-71
Mean		62-72	61-71	66-73	66-72	65-71	61-71	64-72

¹ Grain Length: L=long grain; M=medium grain; LA=long grain aromatic.

DD50 Planting Date Trials

RREC, Arkansas County – 2019 Grain & Milling Yield Summary

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	Grain Yields (Bushels/Acre)							Milling Yield (%HR-%TR) ¹						
		Mar 21	Apr 3	Apr 16	Apr 29	May 17	Jun 4	Mean	Mar 21	Apr 3	Apr 16	Apr 29	May 17	Jun 4	Mean
ARoma 17	LA	201	186	178	171	151	157	174	67-71	69-73	66-71	65-70	57-69	66-70	65-71
CL153	L	226	224	202	188	177	176	199	65-71	67-72	66-72	63-70	61-69	67-71	65-71
CL272	M	232	220	236	192	192	188	210	67-71	66-72	67-71	63-69	49-69	66-70	63-70
CLL15	L	222	222	220	193	173	177	201	64-70	63-71	64-71	64-69	53-67	64-69	62-69
CLM04	M	230	209	226	208	197	180	208	69-71	67-70	66-71	65-69	51-69	66-69	64-70
Diamond	L	233	235	223	220	205	201	219	64-72	60-71	61-71	61-69	54-69	62-69	60-70
Jewel	L	222	221	219	211	205	195	212	61-71	62-72	60-71	62-70	61-70	63-70	62-71
Jupiter	M	248	229	238	227	210	198	225	67-69	66-69	67-69	67-69	62-68	64-67	65-68
Lynx	M	253	243	225	231	213	203	228	69-71	66-70	64-69	66-70	50-70	65-69	63-70
PVL01	L	199	194	187	179	164	161	181	64-72	63-71	63-71	63-70	60-69	64-70	63-71
RT 3201	M	219	222	225	212	198	180	209	67-70	64-70	67-71	68-71	45-69	66-70	63-70
RT 7301	L	269	258	258	261	222	221	248	64-72	61-71	64-72	66-72	49-70	66-72	61-71
RT 7321 FP	L	237	239	256	257	240	227	243	60-71	57-71	59-71	63-72	45-70	64-71	58-71
RT 7501	L	261	263	277	265	250	224	257	63-71	64-72	63-72	65-71	52-70	66-71	62-71
RT 7521 FP	L	230	240	252	232	229	206	232	64-71	62-71	61-70	63-70	53-70	65-70	61-70
RT CL XL745	L	203	231	226	224	224	201	218	64-71	61-72	60-71	64-72	50-70	65-71	61-71
RT Gemini 214 CL	L	250	260	271	243	248	203	246	63-71	62-70	62-71	64-71	55-70	64-70	62-70
RT XP753	L	259	251	271	264	252	233	255	63-72	60-72	62-72	65-72	49-71	65-72	61-72
Titan	M	239	226	230	217	208	207	221	66-69	61-70	67-70	64-69	45-67	65-69	61-69
CLXAR19	L	244	255	231	226	211	194	227	60-69	59-70	58-69	62-68	55-68	60-67	59-69
Mean		234	231	233	221	209	197	221	65-71	63-71	63-71	64-70	53-69	65-70	62-70

¹ %HR = head rice, %TR = total milled rice.

DD50 Planting Date Trials

PTRS, St. Francis County – 2019 Grain & Milling Yield Summary

University of Arkansas System Division of Agriculture

Cultivar	Grain Length ¹	Grain Yields (Bushels/Acre)						Milling Yield (%HR-%TR) ¹					
		Apr 2	Apr 24	May 8	May 28	Jun 12	Mean	Apr 2	Apr 24	May 8	May 28	Jun 12	Mean
ARoma 17	LA	155	197	166	157	143	164	62-71	66-70	65-71	63-69	64-70	64-70
CL153	L	134	178	164	143	125	149	61-71	62-68	59-69	59-68	61-68	61-69
CL272	M	123	207	183	138	131	157	43-67	64-69	57-69	51-67	57-68	54-68
CLL15	L	163	237	202	167	162	186	55-69	63-67	60-70	55-67	58-67	58-68
CLM04	M	167	208	210	185	163	186	60-69	64-67	64-69	64-69	64-68	63-68
Diamond	L	159	236	199	186	165	189	48-70	62-68	57-70	60-70	61-69	58-70
Jewel	L	160	215	185	165	144	174	59-72	62-68	61-70	62-70	61-70	61-70
Jupiter	M	159	231	210	188	182	194	65-68	62-65	64-67	61-65	62-65	63-66
Lynx	M	199	245	227	185	170	205	59-70	64-68	63-69	59-68	62-68	61-69
PVL01	L	149	180	165	147	126	153	57-70	62-68	61-69	60-69	59-69	60-69
RT 3201	M	171	208	192	164	164	180	53-69	66-69	61-70	50-67	59-68	58-69
RT 7301	L	161	259	210	174	158	192	48-70	64-71	55-70	54-69	51-69	55-70
RT 7321 FP	L	157	266	215	173	169	196	49-71	63-71	53-71	47-69	55-69	53-70
RT 7501	L	177	234	197	178	193	196	58-70	63-69	55-69	59-68	61-69	59-69
RT 7521 FP	L	175	245	227	215	196	212	58-71	62-69	59-70	61-69	60-69	60-70
RT CL XL745	L	147	231	207	158	156	180	53-71	64-71	56-71	55-69	59-69	57-70
RT Gemini 214 CL	L	171	255	214	200	191	206	55-70	62-69	55-70	61-69	60-69	59-69
RT XP753	L	175	266	218	182	185	205	50-71	65-71	56-71	52-69	56-70	56-70
Titan	M	137	232	189	183	149	178	56-69	66-68	58-69	54-66	61-67	59-68
CLXAR19	L	169	230	204	183	157	188	50-69	58-66	58-69	57-67	57-67	56-68
Mean		160	228	199	173	161	184	55-70	63-69	59-70	57-68	59-68	59-69

¹ %HR = head rice, %TR = total milled rice.

General Rice Cultivar Characteristics

University of Arkansas System Division of Agriculture

Cultivar	Grain Type	Year Released & Source	Pedigree	Highlights
ARoma 17	LA	2018 – Arkansas	Jazzman/PI597046	A mid-season, Jasmine-type aromatic variety with good yield potential; improved yield compared to Jazzman-2; susceptible to kernel smut and false smut; moderately susceptible to sheath blight, blast, and bacterial panicle blight; and moderately resistant to lodging.
CL111	L	2008 – BASF, Horizon Ag	Proprietary variety: 9502008-A/Drew/3/CFX-29//AR1142/LA2031	An early season, semi-dwarf long-grain Clearfield variety; good yield potential and excellent milling yield; high tolerance to Newpath herbicide; very susceptible to sheath blight, bacterial panicle blight, and stem rot; susceptible to straighthead, narrow brown leaf spot, kernel smut, and false smut; and moderately susceptible to blast and lodging.
CL151	L	2007 – BASF, Horizon Ag	Proprietary variety: CFX-26/4/Lemont/2001-5/3/Lemont//L-202/Taducan	A mid-season, semi-dwarf long-grain Clearfield variety with very good yield potential and excellent milling yield; high tolerance to Newpath herbicide; very susceptible to blast, straighthead, bacterial panicle blight, and stem rot; and susceptible to sheath blight, narrow brown leaf spot, kernel smut, false smut, and lodging.
CL153	L	2016 – BASF, Horizon Ag	Proprietary variety: 950208-A//AR1188/Cocodrie/3/CFX-26/9702128/4/Cheniere	A mid-season, semi-dwarf long-grain Clearfield variety similar to CL151 with good yield potential and excellent milling yield; high tolerance to Newpath herbicide; susceptible to sheath blight, kernel smut, and false smut; moderately susceptible to blast and bacterial panicle blight; and moderately resistant to lodging.
CL163	L	2015 – BASF, Horizon Ag	Proprietary variety: 248CO13E-1	A mid-season, semi-dwarf long-grain Clearfield variety with good yield potential and milling yield; high tolerance to Newpath herbicide; very susceptible to sheath blight; susceptible to blast; moderately susceptible to bacterial panicle blight, kernel smut, and lodging; resistant to narrow brown leaf spot; and high amylose content.
CL172	L	2016 – BASF, Horizon Ag	Proprietary variety: 248Drew16C-1-3/6/LaGrue//Katy/Starbonnet/5/Newbonnet/Katy//RA73/Lemont/4/LeBonne/9902/3/Dawn/9695//Starbonnet	A mid-season, semi-dwarf long-grain Clearfield variety with good yield potential and milling yield; high tolerance to Newpath herbicide; susceptible to kernel smut and false smut; moderately susceptible to sheath blight, blast, and bacterial panicle blight; and moderately resistant to lodging.
CLJ01	LA	2019 – BASF, Horizon Ag	Proprietary variety: Jazzman/08CLR004//RU0802146/3/RU1002146	A mid-season, Jasmine-type aromatic Clearfield variety with good yield potential and excellent milling yield; and high tolerance to Newpath herbicide.

General Rice Cultivar Characteristics (cont.)

University of Arkansas System Division of Agriculture

Cultivar	Grain Type	Year Released & Source	Pedigree	Highlights
CLL15	L	2019 – BASF, Horizon Ag	Proprietary variety: CL131/Trenasse/5/9502008-A/Drew/4/CFX-29//Kaybonnet/Jodon/3/Cypress/Kaybonnet//9502008-A	A mid-season, semi-dwarf long-grain Clearfield variety with very good yield potential and excellent milling yield; high tolerance to Newpath herbicide; susceptible to sheath blight, bacterial panicle blight, kernel smut, and false smut; moderately susceptible to blast; and moderately resistant to lodging.
CLM04	M	2019 – BASF, Horizon Ag	Proprietary variety: Neptune//Bengal/CL161/3/Jupiter	A mid-season, short stature medium-grain Clearfield variety with good yield potential and milling yield; high tolerance to Newpath herbicide; susceptible to blast, bacterial panicle blight, false smut, and lodging.
Della-2	LA	2012 – Louisiana	Cypress//L-205/Della	A short season, semi-dwarf long-grain aromatic variety with good yield potential; very good grain quality; improved lodging compared to Della; susceptible to sheath blight; moderately susceptible to bacterial panicle blight; and moderately resistant to straighthead.
Diamond	L	2016 – Arkansas	Francis/Roy J	A mid-season, long-grain variety with excellent yield potential and good milling yield; very susceptible to false smut; susceptible to sheath blight, blast, stem rot and kernel smut; and moderately susceptible to bacterial panicle blight and lodging.
Jazzman-2	LA	2011 – Louisiana	9502008//Katy/902207x2/3/ Jasmine 85/Della//Leah/Della	A mid-season, Jasmine-type aromatic variety with fair yield potential; good milling compared to Jazzman; very susceptible to straighthead and bacterial panicle blight; susceptible to sheath blight, kernel smut, and false smut; moderately susceptible to blast and lodging.
Jewel	L	2020 – Arkansas	19991516/19951166/7/Lebonnet/9902/3/Dawn/9695//Starbonnet/4/LaGrue/5/Wells/6/RU9201179	A mid-season, long-grain variety with good yield potential and milling yield; susceptible to false smut; and moderately susceptible to sheath blight, blast, bacterial panicle blight, and lodging.
Jupiter	M	2006 – Louisiana	Mercury//Mercury/Koshihikari/3/Bengal// Mercury/Rico	A mid-season, semi-dwarf, medium-grain variety with excellent yield potential and milling quality; small grain size; very susceptible to stem rot; susceptible to sheath blight, blast, straighthead, and lodging; moderately susceptible to kernel smut and false smut; and moderately resistant to bacterial panicle blight.
LaKast	L	2014 – Arkansas	LaGrue//Katy/Starbonnet/3/LaGrue	A mid-season, long-grain variety with good yield potential and milling yield; susceptible to blast, stem rot, kernel smut, and false smut; and moderately susceptible to sheath blight, straighthead, bacterial panicle blight, and lodging.

General Rice Cultivar Characteristics (cont.)

University of Arkansas System Division of Agriculture

Cultivar	Grain Type	Year Released & Source	Pedigree	Highlights
Lynx	M	2020 – Arkansas	Earl/9902028//Jupiter	A mid-season, short stature, medium grain variety with excellent yield potential and good milling yield; has a preferred large grain size; susceptible to sheath blight, bacterial panicle blight, and lodging; and moderately susceptible to blast and false smut.
PVL01	L	2017 – BASF, Horizon Ag	Proprietary variety: Cheniere/BASF	A mid-season, long-grain variety with fair yield potential and excellent milling yield; tolerant to Provisia herbicide; very susceptible to kernel smut and false smut; susceptible to sheath blight, blast, and bacterial panicle blight; and moderately susceptible to lodging.
PVL02	L	2019 – BASF, Horizon Ag	Proprietary variety: Cheniere/BASF	A mid-season, long-grain variety with fair yield potential and excellent milling yield; tolerant to Provisia herbicide; susceptible to bacterial panicle blight and lodging; and moderately susceptible to sheath blight and blast.
Roy J	L	2010 – Arkansas	LaGrue//Katy//Starbonnet/5//Newbonnet//Katy//RA73//Lemont/4//Lebonnet/9902/3//Dawn/9695//Starbonnet	A mid-season, long-grain variety with very good yield potential and good milling yield; very susceptible to kernel smut; susceptible to blast, straighthead, bacterial panicle blight, stem rot, and false smut; moderately susceptible to sheath blight; and moderately resistant to lodging.
RT 7301	L	2019 – RiceTec, Inc.	Proprietary hybrid	A short season, long-grain hybrid with excellent yield potential and good milling yield; moderately susceptible to sheath blight; and moderately resistant to blast, bacterial panicle blight, and lodging.
RT 7321 FP	L	2018 – RiceTec, Inc.	Proprietary hybrid	A short season, long-grain FullPage hybrid with excellent yield potential; fair milling quality; high tolerance to Preface herbicide; susceptible to kernel smut and lodging; and moderately susceptible to sheath blight and false smut.
RT 7501	L	2019 – RiceTec, Inc.	Proprietary hybrid	A mid-season, long-grain hybrid with excellent yield potential and good milling yield; and susceptible to sheath blight, kernel smut, false smut, and lodging.
RT 7521 FP	L	2018 – RiceTec, Inc.	Proprietary hybrid	A short season, long-grain FullPage hybrid with excellent yield potential and good milling yield; high tolerance to Preface herbicide; very susceptible to false smut; susceptible to sheath blight and lodging; and moderately susceptible to kernel smut.
RT CLXL745	L	2008 – RiceTec, Inc.	Proprietary hybrid	A short season, long-grain Clearfield hybrid with very good yield potential and good milling yield; susceptible to sheath blight, stem rot, kernel smut, false smut, and lodging; moderately resistant to straighthead and bacterial panicle blight; and resistant to blast.

General Rice Cultivar Characteristics (cont.)

University of Arkansas System Division of Agriculture

Cultivar	Grain Type	Year Released & Source	Pedigree	Highlights
RT Gemini 214 CL	L	2016 – RiceTec, Inc.	Proprietary hybrid	A mid-season, long-grain Clearfield hybrid with excellent yield potential and good milling yield; very susceptible to false smut; susceptible to sheath blight; moderately susceptible to kernel smut and lodging; and moderately resistant to blast.
RT XP753	L	2011 – RiceTec, Inc.	Proprietary hybrid	A short season, long-grain hybrid with excellent yield potential and good milling yield; susceptible to false smut; moderately susceptible to sheath blight and kernel smut; moderately resistant to straighthead, bacterial panicle blight, and lodging; and resistant to blast.
Titan	M	2016 – Arkansas	M206//Bengal/Lafitte/3/Jupiter	A short season, medium-grain variety with excellent yield potential and good milling yield; has a preferred large grain size; susceptible to sheath blight; moderately susceptible to blast, bacterial panicle blight, kernel smut, false smut, and lodging; and 7 days earlier maturity compared to Jupiter.

Arkansas Rice Cultivar Reactions to 2019 Diseases and Lodging

University of Arkansas System Division of Agriculture

Cultivar	Sheath Blight	Blast	Straight head	Bacterial Panicle Blight	Narrow Brown Leaf Spot	Stem Rot	Kernel Smut	False Smut	Lodging	Black Sheath Rot
ARoma 17	MS	MS	--	MS	--	--	S	S	MR	--
CL111	VS	MS	S	VS	S	VS	S	S	MS	S
CL151	S	VS	VS	VS	S	VS	S	S	S	S
CL153	S	MS	--	MS	MS	--	S	S	MR	--
CL163	VS	S	--	MS	R	--	MS	--	MS	--
CL172	MS	MS	--	MS	S	--	S	S	MR	--
CLL15	S	MS	--	S	--	--	S	S	MR	--
CLM04	--	S	--	S	--	--	--	S	S	--
Della-2	S	R	MR	MS	MS	--	--	--	--	--
Diamond	S	S	--	MS	MS	S	S	VS	MS	--
Jazzman-2	S	MS	VS	VS	S	--	S	S	MS	--
Jewel	MS	MS	--	MS	MR	--	--	S	MS	--
Jupiter	S	S	S	MR	MR	VS	MS	MS	S	MR
LaKast	MS	S	MS	MS	MS	S	S	S	MS	MS
Lynx	S	MS	--	S	MR	--	--	MS	S	--
PVL01	S	S	--	S	MR	--	VS	VS	MS	--
PVL02	MS	MS	--	S	MS	--	--	--	S	--
Roy J	MS	S	S	S	R	S	VS	S	MR	MS
RT 7301	MS	MR	--	MR	MR	--	--	--	MR	--
RT 7321 FP	MS	--	--	--	--	--	S	MS	S	--
RT 7501	S	--	--	--	--	--	S	S	S	--
RT 7521 FP	S	--	--	--	--	--	MS	VS	S	--
RT CLXL745	S	R	MR	MR	R	S	S	S	S	S
RT Gemini 214 CL	S	MR	--	--	--	--	MS	VS	MS	--
RT XP753	MS	R	MR	MR	R	--	MS	S	MR	S
Titan	S	MS	--	MS	MR	--	MS	MS	MS	--

Reaction: R = Resistant; MR = Moderately Resistant; MS = Moderately Susceptible; S = Susceptible; VS = Very Susceptible
Cells with no values indicate no definitive Arkansas disease rating information is available at this time. Reactions were determined based on historical and recent observations from test plots and grower fields across Arkansas and other rice states in southern USA. In general, these ratings represent expected cultivar reactions to disease under conditions that most favor severe disease development.