



RICE

U of A DIVISION OF AGRICULTURE
RESEARCH & EXTENSION
University of Arkansas System
INFORMATION

‘Jewel’ Rice Cultivar Snapshot 2020

Jewel is a conventional, standard-stature, long-grain rice variety released in 2020. It has a Chenieree cook-type. It is resistant to most known blast races and has an overall improved disease package compared to other available conventional varieties. This variety may be planted from late March through early June. The target final plant stand for this variety is 12-18 plants/ft² for maximum yield potential.

Seed Weight: 20,322 seed/lb

Optimum Seeding Rate:

Loam	Clay	
30	36	Seed/ft ²
64	77	Lbs/acre
1.4	1.7	Bu/acre

Nitrogen (N) Rates*:

Loam	Clay	
lb N / acre		
105	135	Preflood
45	45	Midseason
150	180	Total

* Rice following soybean

Disease Ratings:

Rating	Disease
MS	Blast
MS	Sheath Blight
S	False Smut
MS	Bacterial Panicle Blight

Table 1. Agronomics of selected cultivars across Arkansas Rice Performance Trial (ARPT) testing locations, 2017-2019 (14 locations).

Cultivar	Days to Hdg ¹	Plant Ht ² (in)	Milling ³ HR-TR	Yield ⁴ bu/A
Jewel	87	37	59-70	187
Diamond	86	37	56-70	205
CLL15	86	33	58-70	196
RT XP753	82	37	52-71	230

¹ Emergence to 50% heading; ² Canopy height at harvest; ³ HR-TR = % head rice - % total rice;

⁴ Grain yield corrected to 12% moisture.

Table 2. Grain yield (bu/A) of selected cultivars in 2019 Producer Rice Evaluation Program (PREP) on-farm trials (6 locations).

Year	GRE	LEE	LON	POI	PRA	WOO	AVG
Jewel	177	216	193	211	186	228	202
Diamond	178	209	198	221	181	262	208
CLL15	192	238	189	205	173	201	200
XP753	190	231	210	257	240	275	234

Table 3. Grain yield (bu/A) of selected cultivars in 2019 Planting Date Studies at RREC, Stuttgart.

Plant Date	Late March	Early April	Late April	Early May	Late May	Early June	AVG
Jewel	222	221	219	211	205	195	212
Diamond	233	235	223	220	205	201	219
CLL15	222	222	220	193	173	177	201
XP753	259	251	271	264	252	233	255

ARKANSAS
RICE
CHECK-OFF

Dr. Jarrod Hardke, Rice Extension Agronomist

For additional management information, visit <http://www.uaex.edu/rice>

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