

Table 4. Performance of rice varieties, hybrids, and experimental lines grown on Alligator clay soil near Clarksdale, Mississippi (34°03'47"N, 90°59'40"W), 2021.¹

Entry	Yield ²	Whole milled rice	Total milled rice	Chalk ³	Harvest moisture	Bushel weight	Plant height	50% heading ⁴	Lodging ⁵	Lodging score ⁶	1,000 seed weight ⁷
	<i>bu/A</i>	%	%	%	%	<i>lb</i>	<i>in</i>	<i>days</i>	%	(1-5)	<i>g</i>
Hybrids											
RT7321	324	28.1	68.7	8.5	11.9	42.2	47.5	81	0	1	25.8
RT7401	316	30.6	69.6	4.8	9.3	42.2	45.8	81	0	1	25.3
RT7421	320	26.6	69.1	8.9	11.0	43.0	42.5	81	0	1	24.9
RT7521	306	39.1	67.8	5.7	9.7	41.4	47.0	81	0	1	24.3
RT7523 FP	311	28.7	68.5	5.0	6.8	41.4	45.5	83	0	1	26.7
Clearfield/Provisia											
CL153	260	42.5	70.1	2.5	9.9	44.6	37.8	80	0	1	25.8
CL163	247	44.1	68.7	8.6	11.8	44.5	40.0	82	0	1	24.7
CLL15	211	42.0	69.0	3.4	10.9	42.7	35.5	81	0	1	23.0
CLL16	261	37.8	67.1	4.2	10.7	45.6	39.3	83	0	1	24.1
CLL17	274	47.8	68.9	4.1	8.1	43.7	38.8	82	45	3	21.3
CLX54197	276	31.0	68.5	7.0	9.0	46.5	36.0	82	0	1	23.9
PVL02	232	51.3	72.1	3.9	11.9	44.1	38.3	82	40	3	20.8
RU1804147	288	51.7	68.7	6.5	6.6	45.8	38.3	82	0	1	26.2
RU2004191	275	46.4	68.6	3.3	8.1	44.7	37.3	83	0	1	27.1
RU2004187	267	55.7	68.6	3.9	11.2	45.7	41.8	85	0	1	24.8
RU2004195	292	45.2	68.1	5.7	9.2	46.0	39.3	82	0	1	25.9
RU2004071	289	34.5	67.5	6.0	12.0	44.7	39.5	84	0	1	24.5
RU2004224	252	52.3	69.4	2.4	12.3	44.8	38.8	82	0	1	22.6
RU2104135	247	28.4	69.1	3.8	14.8	46.2	41.8	83	0	1	22.9
RU2104139	184	38.0	67.3	7.8	12.8	44.7	41.8	83	88	4	23.1
RU2104087	292	41.4	66.9	5.6	7.1	44.2	39.8	82	0	1	26.5
Conventional											
Cheniere	250	46.9	71.0	4.4	12.2	43.5	36.8	82	0	1	19.9
Diamond	299	37.9	69.6	2.6	10.8	45.5	43.8	83	0	1	25.9
Rex	274	51.3	67.8	5.7	8.6	44.9	41.0	82	0	1	26.5
Thad	280	33.2	67.9	7.0	13.4	46.2	39.8	82	0	1	23.7
RU2004091	295	45.2	68.0	9.1	9.6	44.4	40.3	83	0	1	25.7
RU1904139	292	39.0	66.9	10.2	7.6	44.8	40.5	83	0	1	24.8
RU1904163	295	18.7	68.2	9.3	10.0	44.1	37.0	84	0	1	23.4
RU2004099	280	39.0	69.2	4.6	11.5	46.3	40.0	85	0	1	22.5
RU1904155	278	31.4	67.9	5.8	8.5	45.7	38.5	84	0	1	24.2
RU2004083	284	50.0	69.1	5.4	13.2	45.7	41.5	83	0	1	22.7
RU1904123	262	28.1	66.5	7.7	10.2	46.3	38.0	83	0	1	26.5
RU2104075	299	38.8	68.3	4.2	9.7	44.7	41.8	80	0	1	25.2
RU2104099	294	45.1	68.8	3.6	8.1	43.2	41.5	84	0	1	23.8

¹**Planting date:** April 20. **Emergence:** May 2. **Harvested:** Sept. 13. **Management:** (sprayed) May 15 – Ricebo @ 3 qt/A, Permit @ 0.7 oz/A, Facet L @ 32 fl oz/A, Prowl @ 32 fl oz/A; (fertilized) April 13 – MEZ @ 100 lb/A, Potash @ 50 lb/A; May 15 – Urea @ 100 lb/A; July 5 – Urea @ 100 lb/A; July 30 – Urea @ 75 lb/A. **LSD = A difference of 29 bu/A is required for one variety to differ from another at the 5% probability level. C.V. = 6.4%**

²Rough rice at 12% moisture.

³Winseedle chalk measurement

⁴Days after emergence.

⁵Percent of plot that was lodged.

⁶Severity of lodging: 1 = plants totally erect, 5 = plants completely on ground.

⁷Weight of 1,000 kernels.