

Mississippi Rice 2014 Variety Trials:

A Preliminary Report
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Table 1. United States Department of Agriculture National Agriculture Statistics Survey history of Mississippi rice acreage by year, 1949 – 2014.

Year	Acres	Year	Acres	Year	Acres	Year	Acres
1949	5,000	1969	60,000	1989	235,000	2009	243,000
1950	7,000	1970	51,000	1990	250,000	2010	303,000
1951	26,000	1971	51,000	1991	220,000	2011	157,000
1952	40,000	1972	51,000	1992	275,000	2012	129,000
1953	51,000	1973	62,000	1993	245,000	2013	129,000
1954	77,000	1974	108,000	1994	313,000	2014	186,000
1955	52,000	1975	171,000	1995	288,000	2015	.
1956	44,000	1976	144,000	1996	208,000	2016	.
1957	31,000	1977	111,000	1997	238,000	2017	.
1958	39,000	1978	215,000	1998	268,000	2018	.
1959	44,000	1979	207,000	1999	323,000	2019	.
1960	44,000	1980	240,000	2000	218,000	2020	.
1961	44,000	1981	337,000	2001	253,000	2021	.
1962	49,000	1982	245,000	2002	253,000	2022	.
1963	49,000	1983	161,000	2003	234,000	2023	.
1964	49,000	1984	190,000	2004	234,000	2024	.
1965	50,000	1985	188,000	2005	263,000	2025	.
1966	55,000	1986	198,000	2006	189,000	2026	.
1967	55,000	1987	198,000	2007	189,000	2027	.
1968	67,000	1988	260,000	2008	229,000	2028	.

Table 2. United States Department of Agriculture Farm Service Agency certified rice acres planted by county in Mississippi, 2009 – 2014.

County	Year					
	2009	2010	2011	2012	2013	2014
	Acres					
ADAMS	240	0	0	192	0	0
ATTALA	0	0	10	0	0	0
BOLIVAR	72,333	80,255	50,813	34,956	33,734	47,702
CARROLL	205	0	0	0	0	0
COAHOMA	14,761	25,032	11,370	8,797	8,109	14,453
DE SOTO	859	1,156	335	553	1,190	2,316
GRENADA	171	321	328	282	282	0
HOLMES	1,485	1,448	234	141	121	203
HUMPHREYS	3,656	8,241	1,996	1,955	1,475	3,426
ISSAQUENA	783	2,702	880	890	1,115	483
JACKSON	55	35	0	0	0	0
LEE	10	11	8	10	3	3
LEFLORE	17,107	20,144	6,754	5,328	3,905	6,000
PANOLA	4,777	6,446	5,383	5,901	5,523	10,188
QUITMAN	11,031	20,170	6,360	8,440	8,766	15,565
SHARKEY	1,951	5,390	855	306	433	857
SUNFLOWER	38,227	45,676	19,351	14,253	13,635	25,241
TALLAHATCHIE	14,081	19,314	6,267	6,460	6,964	12,859
TATE	905	994	869	828	934	1,082
TUNICA	23,913	27,041	23,167	21,696	24,603	28,608
WASHINGTON	29,507	35,736	18,854	14,687	11,480	15,690
YAZOO	1,841	1,907	2,273	765	0	867
Total	237,898	302,019	156,107	126,440	122,272	185,543

Table 3. Performance of rice varieties, hybrids, and lines grown on Sharkey clay soil near Choctaw, Mississippi, 2014.¹

Entry	Yield ²	Harvest Moisture	Bushel weight	Plant Height	50% Heading ³	Lodging ⁴	Lodging ⁵
	bu/A	%	lb	in	days	%	(1-5)
Conventional							
Antonio	203	16.0	44.8	39	86	0	1
Bowman	239	17.8	46.0	40	88	0	1
Cheniere	219	15.6	44.4	38	87	0	1
Cocodrie	200	16.5	44.9	38	87	0	1
Colorado	183	14.7	43.3	40	84	0	1
LaKast	241	16.1	44.1	44	88	0	1
Mermentau	212	17.4	44.2	38	88	0	1
Rex	222	16.6	44.8	42	90	0	1
RoyJ	212	20.2	43.4	45	97	0	1
Sabine	200	17.2	45.4	37	91	0	1
USH13001	199	21.0	38.5	46	89	95	4
XL753	275	15.6	44.9	43	85	0	1
RU1104077	234	17.0	46.3	41	88	0	1
RU1204154	218	15.0	43.7	37	90	0	1
RU1204196	220	15.9	44.0	43	86	0	1
RU1204197	208	16.1	45.2	41	86	0	1
RU1304122	188	15.0	45.3	42	88	0	1
RU1304154	221	15.7	45.2	39	88	0	1
RU1304156	193	15.1	45.1	44	88	0	1
RU1304157	209	16.1	45.3	39	87	0	1
RU1304197	221	16.0	43.0	39	88	0	1
Clearfield							
CL111	199	15.1	44.4	39	88	0	1
CL142-AR	209	19.4	47.1	48	92	0	1
CL151	242	16.5	45.1	40	88	0	1
CL152	204	17.2	44.2	40	91	0	1
CLJZMN	226	15.3	42.0	43	90	0	1
CLXL729	244	15.4	42.9	45	86	0	1
CLXL745	249	15.6	42.1	45	84	0	1
RU1104122	235	15.9	44.5	42	90	0	1
RU1201102	232	18.0	45.2	37	92	0	1
RU1204114	191	16.6	44.5	40	87	0	1
RU1204122	197	17.3	44.3	40	92	0	1
RU1204156	224	18.4	45.5	38	94	0	1
RU1204194	227	17.6	43.9	44	89	0	1
RU1304100	183	15.2	45.2	40	86	0	1
RU1304114	205	19.4	45.3	38	94	0	1

¹Planting date: April 24. Emergence: May 3-7. Herbicides: . Fertilizer: 110 lb/acre DAP on April 30. 326 lb/acre urea on May 28. Insecticide: . Permanent Flood: June 16. Drained Field: September 7. Harvested: September 17.

A difference of 17 bushels per acre is required for one variety to differ from another at the 5% probability level. C.V. = 4.8%.

²Rough rice at 12% moisture.

³Days after emergence.

⁴Percent of plot that was lodged.

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

Table 4. Performance of rice varieties, hybrids, and lines grown on Sharkey clay loam soil near Clarksdale, Mississippi, 2014.¹

Entry	Yield ²	Harvest Moisture	Bushel weight	Plant Height	50% Heading ⁴	Lodging ⁵	Lodging ⁶
	bu/A	%	lb	in	days	%	(1-5)
Conventional							
Antonio	253	15.3	44.9	37	86	0	1
Bowman	255	16.0	45.5	38	88	0	1
Cheniere	217	14.7	44.0	38	87	0	1
Cocodrie	241	15.0	45.2	38	87	0	1
Colorado	238	14.3	44.0	39	84	0	1
LaKast	247	14.8	45.2	42	88	0	1
Mermentau	211	15.9	44.5	37	88	0	1
Rex	232	15.7	45.3	37	90	0	1
RoyJ	198	19.4	44.2	43	97	0	1
Sabine	217	16.0	45.8	38	91	0	1
USH13001	212	20.2	39.3	45	89	65	3
XL753	280	15.1	42.4	41	85	0	1
RU1104077	238	14.8	45.7	38	88	0	1
RU1204154	215	14.4	43.3	35	90	0	1
RU1204196	229	16.2	45.0	41	86	0	1
RU1204197	239	14.8	45.3	38	86	0	1
RU1304122	227	15.3	45.2	43	88	0	1
RU1304154	248	15.5	45.1	39	88	0	1
RU1304156	225	15.2	45.7	43	88	0	1
RU1304157	237	15.1	45.3	38	87	0	1
RU1304197	243	15.8	43.9	36	88	0	1
Clearfield							
CL111	252	14.9	45.1	39	88	0	1
CL142-AR	213	19.8	47.1	46	92	0	1
CL151	249	16.3	45.4	38	88	0	1
CL152	246	16.7	45.1	38	91	0	1
CLJZMN	241	15.6	43.1	42	90	0	1
CLXL729	280	14.2	42.0	42	86	0	1
CLXL745	285	14.2	42.0	43	84	0	1
RU1104122	239	15.8	44.6	39	90	0	1
RU1201102	229	16.9	45.7	36	92	0	1
RU1204114	236	14.8	44.9	38	87	0	1
RU1204122	246	16.6	44.2	40	92	0	1
RU1204156	237	17.0	45.3	38	94	0	1
RU1204194	257	16.3	44.4	43	89	0	1
RU1304100	226	14.2	45.8	38	86	0	1
RU1304114	215	17.9	45.9	37	94	0	1

¹**Planting date:** April 17. **Emergence:** April 28 - May 3. **Herbicides:** Gramoxone at 1qt/acre + Command at 1 pt/acre April 20; RiceBeaux at 4 qt/acre + Facet at 0.33 lb/acre on June 4. **Fertilizer:** 326 lb/acre urea on June 5. **Insecticide:** Lambda[®] at 3.66 fl oz/acre on August 12. **Fungicide:** Quadris at 12 fl oz/acre on July 17. **Intermittent Irrigation initiated:** June 6. **Drained Field:** August 20. **Harvested:** September 10.

A difference of 26 bushels per acre is required for one variety to differ from another at the 5% probability level. C.V. = 6.7%.

²Rough rice at 12% moisture.

⁴Days after emergence.

⁵Percent of plot that was lodged.

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

Table 5. Performance of rice varieties, hybrids, and lines grown on Sharkey clay soil near Drew, Mississippi, 2014.¹

Entry	Yield ²	Harvest Moisture	Bushel weight	Plant Height	50% Heading ³	Lodging ⁴	Lodging ⁵
	bu/A	%	lb	in	days	%	(1-5)
Conventional							
Antonio	259	14.9	44.8	40	93	0	1
Bowman	257	16.4	45.8	37	96	0	1
Cheniere	265	14.9	44.4	37	95	0	1
Cocodrie	269	15.3	45.0	39	95	0	1
Colorado	242	14.2	43.4	42	89	0	1
LaKast	298	14.4	45.1	44	93	0	1
Mermentau	276	15.8	44.3	39	93	0	1
Rex	285	14.7	44.8	41	93	0	1
RoyJ	256	18.9	44.6	43	100	0	1
Sabine	238	15.7	45.6	39	96	0	1
USH13001	225	17.8	39.3	41	96	100	5
XL753	323	14.2	43.2	42	92	0	1
RU1104077	258	15.0	46.3	39	95	0	1
RU1204154	235	15.4	44.2	36	97	0	1
RU1204196	258	15.1	44.7	40	95	0	1
RU1204197	258	15.2	45.2	41	95	0	1
RU1304122	256	14.4	44.9	42	93	0	1
RU1304154	264	14.6	45.0	41	96	0	1
RU1304156	251	13.9	45.1	42	93	0	1
RU1304157	262	14.9	45.3	40	94	0	1
RU1304197	242	14.3	43.3	38	90	0	1
Clearfield							
CL111	263	14.2	44.3	41	92	0	1
CL142-AR	256	18.4	47.5	44	98	0	1
CL151	287	14.8	44.5	39	93	0	1
CL152	252	15.5	44.5	41	96	0	1
CLJZMN	262	15.1	43.2	42	98	0	1
CLXL729	301	14.4	42.3	42	95	10	2
CLXL745	293	14.5	41.9	42	90	10	2
RU1104122	257	14.9	44.5	39	94	0	1
RU1201102	243	16.3	45.4	36	96	0	1
RU1204114	258	14.9	44.2	39	92	0	1
RU1204122	254	15.0	43.8	40	95	0	1
RU1204156	244	16.5	45.8	37	99	0	1
RU1204194	263	15.8	43.8	41	92	0	1
RU1304100	250	14.2	44.6	40	91	0	1
RU1304114	225	17.8	45.6	37	102	0	1

¹Planting date: March 25. Emergence: April 13-15. Herbicides: Command at 1.3 pt/acre and Roundup at 1.5 pt/acre on March 1; SuperWham at 2.5 qt/acre, Permit at 2/3 oz/acre, and Quinstar at 16 oz/acre on March 26; Clincher at 15 oz/acre on June 3. Fertilizer: 50 lb/acre DAP and 50 lb/acre AMS on March 24; 116 lb/acre 41-0-0-4 on May 13; 116 lb/acre 41-0-0-4 on June 2. Fungicide: Stratego at 19 fl oz/acre on July 3. Insecticide: Lambda at 3.2 oz/acre on July 3; Lambda at 3.2 oz/acre on July 17. Permanent Flood: May 16. Drained Field: August 10. Harvested: August 25

A difference of 16 bushels per acre is required for one variety to differ from another at the 5% probability level. C.V. = 3.7%.

²Rough rice at 12% moisture.

³Days after emergence.

⁴Percent of plot that was lodged.

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

Table 6. Performance of rice varieties, hybrids, and lines grown on Sharkey clay soil near Hollandale, Mississippi, 2014.

Entry	Yield ²	Harvest Moisture	Bushel weight	Plant Height	50% Heading ³	Lodging ⁴	Lodging ⁵
	bu/A	%	lb	in	days	%	(1-5)
Conventional							
Antonio	262	14.5	44.1	41	88	0	1
Bowman	250	15.4	46.1	42	94	0	1
Cheniere	280	14.2	44.0	40	90	0	1
Cocodrie	271	14.5	44.1	41	89	0	1
Colorado	225	14.0	42.7	42	85	27	2
LaKast	305	13.7	44.7	46	89	0	1
Mermentau	283	15.0	44.0	40	87	0	1
Rex	267	14.3	44.7	44	91	0	1
RoyJ	271	16.6	45.0	46	97	0	1
Sabine	246	14.2	45.6	40	90	0	1
USH13001	171	18.7	23.4	44	88	98	5
XL753	366	13.8	42.7	45	85	0	1
RU1104077	271	15.6	45.6	43	91	0	1
RU1204154	264	13.1	43.2	40	90	0	1
RU1204196	265	14.3	44.8	43	85	70	3
RU1204197	271	14.1	44.7	43	91	0	1
RU1304122	271	13.5	45.2	48	87	0	1
RU1304154	273	13.6	45.0	41	88	0	1
RU1304156	264	12.8	45.3	46	87	0	1
RU1304157	272	13.5	42.2	41	88	0	1
RU1304197	273	13.8	44.0	41	88	0	1
Clearfield							
CL111	293	13.4	44.0	44	87	0	1
CL142-AR	274	17.7	47.9	49	92	0	1
CL151	301	15.5	44.2	43	90	25	2
CL152	269	14.3	45.3	42	94	0	1
CLJZMN	276	13.8	42.7	45	89	0	1
CLXL729	325	14.8	42.0	48	87	7	1
CLXL745	335	14.2	43.0	47	88	13	1
RU1104122	291	15.1	46.1	44	92	8	1
RU1201102	266	15.2	46.0	39	91	0	1
RU1204114	279	15.2	44.2	43	90	0	1
RU1204122	275	14.8	44.2	43	90	0	1
RU1204156	269	14.7	45.7	41	92	0	1
RU1204194	252	18.7	43.7	47	89	10	2
RU1304100	253	13.2	44.4	41	89	0	1
RU1304114	289	15.5	45.4	42	89	0	1

¹Planting date: April 24. Emergence: May 1-4. Herbicides: Command at 1.5 pt/acre, Roundup PowerMax at 1 qt/acre, and Sharpen at 2 oz/acre on April 25; SuperWham at 1 gal/acre and Facet L at 25 oz/acre on May 21; Regiment at 0.4 oz/acre and Facet L at 21 oz/acre on June 7. Fertilizer: 50 lb/acre AMS and 50 lb/acre DAP with flush on May 22; 100 lb/acre urea on June 9; 100 lb/acre urea on June 18; 100 lb/acre on June 30; 100 lb/acre on July 7. Fungicide: Quilt XL at 14 oz/acre on July 18. Permanent Flood: June 9. Drained Field: August 21. Harvested: September 9.

A difference of 31 bushels per acre is required for one variety to differ from another at the 5% probability level. C.V. = 6.8%.

²Rough rice at 12% moisture.

³Days after emergence.

⁴Percent of plot that was lodged.

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

Table 7. Performance of rice varieties, hybrids, and lines grown on Dubbs silt loam soil near Shaw, Mississippi, 2014.¹

Entry	Yield ²	Harvest Moisture	Bushel weight	Plant Height	50% Heading ³	Lodging ⁴	Lodging ⁵
	bu/A	%	lb	in	days	%	(1-5)
Conventional							
Antonio	246	16.6	44.6	41	87	0	1
Bowman	224	15.7	45.6	44	90	0	1
Cheniere	258	16.0	45.0	40	88	0	1
Cocodrie	239	15.9	45.5	42	90	0	1
Colorado	253	15.3	43.9	41	86	0	1
LaKast	270	15.8	44.8	47	90	0	1
Mermentau	250	18.3	44.8	43	90	0	1
Rex	252	16.2	44.9	45	88	0	1
RoyJ	241	19.5	44.8	47	97	0	1
Sabine	224	17.0	47.3	41	94	0	1
USH13001	241	23.1	30.8	45	87	100	5
XL753	305	15.5	43.0	46	88	0	1
RU1104077	223	15.5	45.8	41	87	0	1
RU1204154	240	16.9	44.3	39	91	0	1
RU1204196	252	15.6	45.8	45	90	0	1
RU1204197	249	16.5	45.7	43	91	0	1
RU1304122	253	15.0	45.2	45	88	0	1
RU1304154	252	17.1	45.7	43	91	0	1
RU1304156	243	15.4	45.5	48	88	0	1
RU1304157	251	16.8	45.3	43	89	0	1
RU1304197	227	15.2	43.3	41	87	0	1
Clearfield							
CL111	268	15.2	45.2	44	86	0	1
CL142-AR	218	20.2	46.8	48	91	0	1
CL151	272	16.0	45.1	43	88	0	1
CL152	237	15.9	44.8	43	94	0	1
CLJZMN	260	16.4	43.4	42	88	0	1
CLXL729	292	15.0	42.1	45	88	0	1
CLXL745	312	14.5	42.1	47	82	0	1
RU1104122	237	15.3	44.5	42	90	0	1
RU1201102	249	18.2	46.0	40	92	0	1
RU1204114	247	16.0	45.2	43	87	0	1
RU1204122	243	17.2	44.5	42	93	0	1
RU1204156	235	19.2	46.1	41	93	0	1
RU1204194	252	16.2	44.0	43	87	0	1
RU1304100	230	15.8	45.9	42	87	0	1
RU1304114	227	20.3	46.1	42	93	0	1

¹Planting date: April 21. Emergence: May 1-4. Herbicides: . Fertilizer: . Insecticide: . Fungicide: . Permanent Flood: May 27. Drained Field: August 28 . Harvested: September 9.

A difference of 28 bushels per acre is required for one variety to differ from another at the 5% probability level. C.V. = 7.0%.

²Rough rice at 12% moisture.

³Days after emergence.

⁴Percent of plot that was lodged.

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

Table 8. Performance of rice varieties, hybrids, and lines grown on Sharkey silty clay loam soil near Stoneville, Mississippi, 2014.¹

Entry	Yield ²	Harvest Moisture	Bushel weight	Plant Height	50% Heading ³	Lodging ⁴	Lodging ⁵
	bu/A	%	lb	in	days	%	(1-5)
Conventional							
Antonio	175	14.9	45.0	34	82	0	1
Bowman	209	15.0	46.4	37	78	0	1
Cheniere	211	15.5	44.6	35	83	0	1
Cocodrie	191	14.8	45.2	34	83	0	1
Colorado	153	14.2	37.3	37	75	0	1
LaKast	217	13.7	45.1	38	81	0	1
Mermentau	187	14.5	44.8	35	80	0	1
Rex	202	14.8	45.3	38	84	0	1
RoyJ	219	15.9	44.6	41	88	0	1
Sabine	190	15.3	45.9	35	84	0	1
USH13001	200	17.4	39.3	44	83	100	5
XL753	244	13.9	42.6	42	82	0	1
RU1104077	207	14.6	47.1	38	85	0	1
RU1204154	201	13.4	44.1	34	82	0	1
RU1204196	203	14.0	44.9	39	81	0	1
RU1204197	174	14.8	43.3	35	81	0	1
RU1304122	197	14.4	45.7	40	82	0	1
RU1304154	160	14.1	45.2	34	80	0	1
RU1304156	193	13.9	45.6	41	82	0	1
RU1304157	169	14.5	44.8	34	81	0	1
RU1304197	212	14.5	43.9	36	82	0	1
Clearfield							
CL111	176	14.1	45.4	36	77	0	1
CL142-AR	218	16.2	47.1	43	86	0	1
CL151	234	15.4	45.5	36	84	0	1
CL152	170	14.5	44.8	37	85	0	1
CLJZMN	195	13.9	43.3	37	85	0	1
CLXL729	224	14.4	43.8	45	82	0	1
CLXL745	214	13.7	42.1	42	82	0	1
RU1104122	209	14.6	46.1	38	84	0	1
RU1201102	200	14.5	45.8	35	84	0	1
RU1204114	169	14.5	44.9	36	81	0	1
RU1204122	191	14.6	44.2	37	83	0	1
RU1204156	207	14.7	45.4	34	90	0	1
RU1204194	201	15.5	45.1	38	82	0	1
RU1304100	152	14.6	45.7	36	81	0	1
RU1304114	190	15.2	45.6	35	88	0	1

¹Planting date: May 6. Emergence: May 12-15. Herbicides: Roundup Weathermax at 22 fl oz/acre + Command at 1 pt/acre on May 7; Regiment at 0.6 oz/acre, AIM at 1.5 oz/acre, and Permit Plus at 2/3 oz/acre on June 5. Fertilizer: 326 lb/acre urea on May 28. Insecticide: Karate Z at 2.3 fl oz/acre on July 17 and on August 8. Permanent Flood: June 19. Drained Field: August 26. Harvested: September 17.

A difference of 31 bushels per acre is required for one variety to differ from another at the 5% probability level. C.V. = 9.7%.

²Rough rice at 12% moisture.

³Days after emergence.

⁴Percent of plot that was lodged.

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

Table 9. Performance of rice varieties, hybrids, and lines grown on Sharkey clay soil near Tunica, Mississippi, 2014.¹

Entry	Yield ²	Harvest Moisture	Bushel weight	Plant Height	50% Heading ³	Lodging ⁴	Lodging ⁵
	bu/A	%	lb	in	days	%	(1-5)
Conventional							
Antonio	249	15.2	45.8	41	95	0	5
Bowman	227	15.6	46.3	44	97	0	1
Cheniere	266	14.8	44.8	40	95	0	1
Cocodrie	256	15.1	46.6	42	96	0	1
Colorado	275	15.0	44.8	41	89	0	1
LaKast	292	13.6	44.1	47	94	0	1
Mermentau	262	14.6	45.2	43	91	0	1
Rex	251	15.1	45.6	45	94	0	1
RoyJ	282	15.3	44.2	47	101	0	1
Sabine	215	14.6	46.4	41	97	0	1
USH13001	241	17.2	30.0	45	91	100	5
XL753	347	15.1	42.9	46	93	0	1
RU1104077	236	15.2	47.6	41	97	0	1
RU1204154	241	14.0	44.6	39	97	0	1
RU1204196	269	14.4	45.6	45	96	0	1
RU1204197	261	15.2	46.0	43	92	0	1
RU1304122	264	14.2	46.3	45	94	0	1
RU1304154	245	14.6	45.7	43	91	0	1
RU1304156	242	13.8	46.5	48	93	0	1
RU1304157	254	14.5	46.3	43	91	0	1
RU1304197	262	14.7	44.0	41	95	0	1
Clearfield							
CL111	269	13.6	45.5	44	93	0	1
CL142-AR	247	16.0	47.9	48	96	0	1
CL151	296	15.0	45.5	43	94	0	1
CL152	232	14.7	45.5	43	96	0	1
CLJZMN	241	13.2	43.0	42	93	0	1
CLXL729	322	14.3	43.7	45	96	0	1
CLXL745	332	14.5	42.3	47	89	0	1
RU1104122	240	14.6	45.2	42	97	0	1
RU1201102	247	15.0	46.4	40	96	0	1
RU1204114	247	14.9	45.3	43	94	0	1
RU1204122	232	15.1	44.9	42	97	0	1
RU1204156	242	14.9	46.3	41	100	0	1
RU1204194	270	15.3	45.0	43	95	0	1
RU1304100	241	13.9	46.0	42	90	0	1
RU1304114	230	15.2	46.1	42	100	0	1

¹Planting date: April 21. Emergence: May 5-8. Herbicides: . Fertilizer: . Fungicide: . Permanent Flood: June 15. Drained Field: August 30. Harvested: October 1.

A difference of 27 bushels per acre is required for one variety to differ from another at the 5% probability level. C.V. = 6.5%.

²Rough rice at 12% moisture.

³Days after emergence.

⁴Percent of plot that was lodged.

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

Table 10. Average rough rice yields of varieties, hybrids, and lines evaluated in on-farm trials at seven locations, 2014.

Entry	Choctaw	Clarksdale	Drew	Hollandale	Shaw	Stoneville	Tunica	Average	Stability ¹
bu/A									
Conventional									
Antonio	203	253	259	262	246	175	249	235	14
Bowman	239	255	257	250	224	209	227	237	8
Cheniere	219	217	265	280	258	211	266	245	12
Cocodrie	200	241	269	271	239	191	256	238	13
Colorado	183	238	242	225	253	153	275	224	19
LaKast	241	247	298	305	270	217	292	267	12
Mermentau	212	211	276	283	250	187	262	240	15
Rex	222	232	285	267	252	202	251	244	11
RoyJ	212	198	256	271	241	219	282	240	13
Sabine	200	217	238	246	224	190	215	218	9
USH13001	199	212	225	171	241	200	241	213	12
XL753	275	280	323	366	305	244	347	306	14
RU1104077	234	238	258	271	223	207	236	238	9
RU1204154	218	215	235	264	240	201	241	231	9
RU1204196	220	229	258	265	252	203	269	242	10
RU1204197	208	239	258	271	249	174	261	237	15
RU1304122	188	227	256	271	253	197	264	236	14
RU1304154	221	248	264	273	252	160	245	238	16
RU1304156	193	225	251	264	243	193	242	230	12
RU1304157	209	237	262	272	251	169	254	236	15
RU1304197	221	243	242	273	227	212	262	240	9
Clearfield									
CL111	199	252	263	293	268	176	269	246	17
CL142-AR	209	213	256	274	218	218	247	234	11
CL151	242	249	287	301	272	234	296	269	10
CL152	204	246	252	269	237	170	232	230	14
CLJZMN	226	241	262	276	260	195	241	243	11
CLXL729	244	280	301	325	292	224	322	284	13
CLXL745	249	285	293	335	312	214	332	289	15
RU1104122	235	239	257	291	237	209	240	244	10
RU1201102	232	229	243	266	249	200	247	238	9
RU1204114	191	236	258	279	247	169	247	232	17
RU1204122	197	246	254	275	243	191	232	234	13
RU1204156	224	237	244	269	235	207	242	237	8
RU1204194	227	257	263	252	252	201	270	246	10
RU1304100	183	226	250	253	230	152	241	219	17
RU1304114	205	215	225	289	227	190	230	226	14
Mean	216	238	261	274	249	196	259	242	
LSD	17	26	16	31	28	31	27	16	

CV	4.8	6.7	3.7	6.8	7.0	9.7	6.5	3.21	
Planting Date	April 24	April 17	March 25	April 24	April 21	May 6	April 21		
Emergence date	May 3-7	April 28 - May 3	April 13-15	May 1-4	May 1-4	May 12-15	May 5-8		

¹Stability is calculated by dividing the standard deviation by the mean and multiplying by 100. The lower the number, the more stable it is across multiple locations.

Table 11. Average agronomic performance of varieties, hybrids, and lines grown at seven on-farm locations, 2014.

Entry	Origin ¹	Yield ²	Harvest Moisture	Bushel weight	Plant Height	50% Heading ³	Lodging ⁴	Lodging ⁵
		bu/A		lb	in	days	%	(1-5)
Conventional								
Antonio	TX	235	15.3	44.7	39	88	0	2
Bowman	MS	237	16.0	45.9	40	90	0	1
Cheniere	LA	245	15.1	44.4	38	89	0	1
Cocodrie	LA	238	15.3	45.0	39	90	0	1
Colorado	TX	224	14.5	42.4	40	84	4	1
LaKast	AR	267	14.6	44.8	44	89	0	1
Mermentau	LA	240	15.9	44.4	39	88	0	1
Rex	MS	244	15.3	44.9	42	90	0	1
RoyJ	AR	240	18.0	44.4	44	96	0	1
Sabine	TX	218	15.7	45.9	38	92	0	1
USH13001	Bayer	213	19.3	35.1	44	89	94	4
XL753	RT	306	14.7	43.1	43	87	0	1
RU1104077	MS	238	15.4	46.1	40	90	0	1
RU1204154	MS	231	14.6	43.8	37	91	0	1
RU1204196	MS	242	15.1	44.9	42	88	10	1
RU1204197	MS	237	15.2	44.9	40	89	0	1
RU1304122	MS	236	14.5	45.2	43	88	0	1
RU1304154	MS	238	15.0	45.2	40	89	0	1
RU1304156	MS	230	14.3	45.4	44	88	0	1
RU1304157	MS	236	15.0	44.7	39	88	0	1
RU1304197	MS	240	14.9	43.6	39	88	0	1
Clearfield								
CL111	LA-HA	246	14.3	44.7	41	87	0	1
CL142-AR	AR-HA	234	18.2	47.2	46	92	0	1
CL151	LA-HA	269	15.6	45.0	40	89	4	1
CL152	LA-HA	230	15.5	44.8	40	92	0	1
CLJZMN	LA-HA	243	14.7	42.9	42	90	0	1
CLXL729	RT	284	14.7	42.5	44	88	2	1
CLXL745	RT	289	14.5	42.2	45	85	3	1
RU1104122	MS	244	15.2	45.0	41	91	1	1
RU1201102	AR	238	16.3	45.7	37	92	0	1
RU1204114	MS	232	15.3	44.6	40	88	0	1
RU1204122	MS	234	15.8	44.2	40	92	0	1
RU1204156	MS	237	16.5	45.6	38	94	0	1
RU1204194	MS	246	16.5	44.1	42	89	1	1
RU1304100	MS	219	14.4	45.2	40	87	0	1
RU1304114	MS	226	17.3	45.6	39	94	0	1
Mean		242	16	44	41	89	3	1
LSD		16	0.8	1.5	1	2	6	0.4
CV		7.9	7.4	4.3	5.8	2.7		

¹AR = Arkansas; LA = Louisiana; MS = Mississippi; HA = Horizon Ag, in conjunction with the respective state; RT = RiceTec, Inc.

²Rough rice at 12% moisture.

³Days after emergence.

⁴Percent of plot that was lodged.

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