


# Missouri Rice Research and Merchandising Council

## 2019 Missouri Variety Trial Data

	Yield (bu/A)								Lodging (%)								Milling Total (%)		Milling Whole (%)																			
	Glennville, MO		Fisk, MO		Neelyville, MO	Rives, MO	Canalou, MO		AVG	Glennville, MO		Fisk, MO		Neelyville, MO	Rives, MO	Canalou, MO		AVG	Glennville, MO		Glennville, MO																	
	Early	Late	Early	Late	119	135	198	170		Early	Late	Early	Late	0	0	0	0		1	Early	Late	Early	Late															
Caffey <sup>6</sup>	216	b-e	185	abc	190	b-f	146	b-e	119	b-f	135	a-e	198	a	170	0	-	0	-	5	-	0	-	0	d	0	b	0	c	1	74.5	bc	73.6	ab	68.2	abc	64.9	a-d
CL 111 <sup>23</sup>	173	jk	158	c	152	hi	111	f	98	fgh	106	g-j	155	d-g	136	0	-	0	-	0	-	28	-	0	d	10	ab	0	c	5	75.1	bc	74.7	a	64.9	a-e	59.5	b-h
CL 151 <sup>17</sup>	185	ijk	169	abc	181	c-g	148	bcd	143	ab	111	f-j	159	def	156	0	-	0	-	8	-	23	-	3	d	8	ab	10	c	7	75.4	bc	74.7	a	65.3	a-d	62.8	a-f
CL 153 <sup>22</sup>	175	jk	163	bc	144	ij	124	c-f	103	d-h	105	hij	163	cde	139	0	-	0	-	0	-	1	-	0	d	13	ab	0	c	2	75.1	bc	74.3	ab	65.6	a-d	64.8	a-d
CL 163 <sup>25</sup>	176	jk	164	bc	126	j	81	g	89	gh	112	f-j	149	efg	128	0	-	0	-	8	-	18	-	0	d	3	b	0	c	4	74.5	bc	73.6	ab	65.5	a-d	64.2	a-e
CL 172 <sup>20</sup>	184	ijk	179	abc	166	fgh	133	c-f	108	c-g	114	e-j	160	def	149	0	-	0	-	0	-	0	-	0	d	5	b	0	c	4	75.1	bc	74.3	ab	68.1	abc	65.4	abc
CL 272 <sup>11</sup>	208	c-f	182	abc	184	c-f	115	def	131	a-d	135	a-e	174	bcd	161	0	-	0	-	0	-	0	-	0	d	0	b	0	c	0	75.3	bc	73.5	ab	67.3	abc	64.2	a-e
CL101 <sup>24</sup>	156	l	159	c	143	ij	128	c-f	99	fgh	97	j	143	g	132	0	-	0	-	0	-	3	-	0	d	0	b	0	c	0	75.2	bc	73.4	ab	68.8	a	63.2	a-f
CLL15 <sup>16</sup>	190	g-j	154	c	176	efg	155	bc	132	a-d	120	d-i	181	b	158	0	-	0	-	0	-	25	-	0	d	3	b	0	c	4	74.0	bc	71.8	b	60.4	fgh	57.0	e-h
CLM04 <sup>10</sup>	207	c-g	193	ab	166	fgh	152	bc	128	a-e	130	b-f	166	b-e	163	0	-	0	-	18	-	30	-	25	cd	0	b	48	b	17	74.5	bc	72.8	ab	68.5	ab	61.8	a-g
Diamond <sup>8</sup>	213	b-f	186	abc	189	b-f	149	bc	130	a-e	123	d-h	162	cde	165	0	-	0	-	0	-	0	-	0	d	15	ab	0	c	2	74.7	bc	73.1	ab	62.2	d-g	60.4	a-h
Jazzman <sup>19</sup>	178	jk	167	abc	178	d-g	167	b	101	e-h	109	f-j	168	bcd	153	0	-	0	-	0	-	23	-	0	d	8	ab	0	c	4	74.7	bc	73.9	ab	66.1	a-d	64.3	a-e
Jupiter <sup>18</sup>	208	c-f	153	c	169	e-h	134	c-f	135	abc	136	a-d	.	.	156	0	-	0	-	15	-	8	-	35	bc	0	b	90	a	21	72.7	c	72.7	ab	69.2	a	67.3	a
LaKast <sup>14</sup>	211	b-f	179	abc	183	c-f	128	c-f	117	b-f	126	c-h	179	bc	160	0	-	0	-	0	-	28	-	0	d	10	ab	0	c	5	77.1	ab	74.7	a	64.0	b-f	60.3	a-h
Mermentau <sup>21</sup>	188	hij	166	abc	157	ghi	128	c-f	97	fgh	126	c-h	168	bcd	147	0	-	0	-	0	-	0	-	0	d	0	b	0	c	0	74.0	bc	74.2	ab	67.2	abc	66.6	ab
MM17 <sup>15</sup>	200	e-i	176	abc	178	d-g	101	f	129	a-e	138	a-d	196	a	160	0	-	0	-	0	-	0	-	0	d	3	b	0	c	0	74.4	bc	72.9	ab	69.3	a	64.4	a-e
PVL01 <sup>26</sup>	170	k	152	c	130	j	113	ef	79	h	102	ij	145	fg	127	0	-	0	-	0	-	0	-	0	d	3	b	0	c	0	74.4	bc	73.2	ab	63.6	c-f	57.6	d-h
Roy J <sup>9</sup>	220	a-d	183	abc	182	c-f	145	b-e	124	b-f	128	c-g	169	bcd	164	0	-	0	-	0	-	2	-	5	d	0	b	0	c	1	76.8	ab	75.3	a	65.6	a-d	64.8	a-d
Titan <sup>7</sup>	198	e-i	169	abc	169	e-h	177	b	123	b-f	141	a-d	200	a	168	0	-	0	-	0	-	0	-	0	d	0	b	25	c	4	75.0	bc	73.1	ab	60.1	fgh	58.0	c-h
Wells <sup>13</sup>	203	d-h	170	abc	184	c-f	157	bc	118	b-f	125	d-h	168	bcd	161	0	-	0	-	0	-	0	-	3	d	0	b	0	c	0	76.3	ab	74.4	ab	59.8	f-i	58.8	c-h
CL XL745 <sup>12</sup>	197	f-i	157	c	194	b-e	170	b	122	b-f	126	c-h	.	.	161	0	-	0	-	5	-	23	-	43	abc	23	ab	.	.	15	78.2	a	73.2	ab	58.3	ghi	55.6	gh
Gemini 214 CL <sup>2</sup>	234	a	197	a	219	a	208	a	133	a-d	152	a	.	.	190	0	-	0	-	20	-	0	-	55	ab	3	b	.	.	13	76.4	ab	74.3	ab	60.8	e-h	58.9	c-h
RT7301 <sup>3</sup>	224	abc	185	abc	210	ab	217	a	157	a	148	abc	.	.	190	0	-	0	-	0	-	5	-	45	abc	23	ab	.	.	12	75.9	ab	73.9	ab	56.1	ij	57.8	c-h
RT7321 FullPage <sup>5</sup>	216	b-e	172	abc	203	a-d	212	a	129	a-e	136	a-d	.	.	178	0	-	0	-	0	-	8	-	63	a	38	a	.	.	18	75.0	bc	73.8	ab	53.6	j	53.3	h
RT7521 FullPage <sup>4</sup>	228	ab	178	abc	204	abc	177	b	145	ab	150	ab	.	.	180	0	-	0	-	20	-	28	-	55	ab	0	b	.	.	17	76.5	ab	73.8	ab	61.7	d-h	62.9	a-f
XP753 <sup>1</sup>	225	abc	197	a	210	ab	221	a	144	ab	155	a	.	.	192	0	-	0	-	0	-	6	-	55	ab	13	ab	.	.	12	76.0	ab	74.3	ab	57.4	hi	56.3	fgh
LSD P=.05	11.40	17.48	15.13	19.82	16.93	13.10	9.39		-	-	10.93	19.50	17.53	18.43	18.48														1.68	1.45	2.81	4.17						
Standard Deviation	8.09	12.40	10.74	14.06	12.02	9.30	6.62		-	-	7.76	13.84	12.44	13.08	13.05														1.19	1.03	2.00	2.96						
CV	4.06	7.19	6.10	9.35	9.96	7.36	3.93		-	-	206.89	141.18	84.03	194.36	151.34														1.58	1.40	3.13	4.82						
Levene's F	1.235	1.186	1.155	1.644	0.732	0.593	1.328		-	-	1.175	3.810	2.479	1.482	6.678														1.024	0.996	1.269	1.432						
Levene's Prob(F)	0.238	0.280	0.308	0.052	0.808	0.929	0.207		-	-	0.289	0.001*	0.001*	0.097	0.001*														0.449	0.483	0.212	0.118						
Skewness	-0.2377	0.0509	-0.3897	0.2690	-0.0991	-0.0469	0.3372		-	-	3.5723*	1.9562*	1.4365*	2.1497*	2.8114*														1.3282*	0.2102	-0.6687*	-0.4999*						
Kurtosis	-0.8392	-0.1469	-0.2219	-0.5097	-0.4197	-0.7738	-0.4969		-	-	14.9461*	3.1869*	0.6174	3.3105*	6.3911*														5.3441*	2.7075*	-0.3476	-0.6513						
Replicate F	1.253	4.108	2.322	0.392	1.440	5.282	1.555		-	-	4.489	3.228	0.836	0.127	0.516														15.672	3.465	4.704	5.089						
Replicate Prob(F)	0.2968	0.0095	0.0820	0.7592	0.2381	0.0023	0.2115		-	-	0.0059	0.0272	0.4781	0.9436	0.6729														0.0001	0.0204	0.0046	0.0029						
Treatment F	25.634	4.469	19.946	26.135	9.594	12.014	23.686		-	-	2.999	2.778	13.434	2.007	11.854														3.683	2.325	19.047	6.449						
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001		-	-	0.0001	0.0004	0.0001	0.0111	0.0001														0.0001	0.0028	0.0001	0.0001						

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

\* Adjusted means