

Missouri Rice Research and Merchandising Council

2017 Missouri Variety Trial Milling Data



Variety	Yield (bu/A)								Milling				Quality																						
	Glennonville, MO		Neelyville, MO		Rives, MO		Canalou, MO		Maylor, MO		Vanduser, MO		AVG		Total (%)		Whole (%)		Whiteness		Transparency		Polish												
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late											
Caffey	194	b-f	228	bcd	159	cd	176	cd	158	c-h	162	d-g	159	abc	176	74.1	ghi	74.8	-	69.3	a	67.2	-	42.6	cde	45.4	ab	3.06	abc	3.29	-	108	e-h	122	ab
CL 111	162	fgh	175	gh	136	gh	112	j	116	ij	142	h	121	gh	138	75.2	a-e	72.8	-	66.3	abc	69.1	-	46.0	a	44.6	ab	2.52	fg	3.43	-	120	a-d	118	ab
CL 151	187	b-g	205	def	167	c	139	hi	134	g-j	166	d-g	143	b-g	163	75.3	a-e	75.1	-	66.5	abc	65.4	-	44.1	abc	46.9	ab	2.23	h	3.19	-	110	c-g	128	ab
CL 153	163	fgh	181	fgh	144	fg	152	fg	128	hij	150	gh	136	c-g	151	75.3	a-e	73.7	-	67.5	abc	68.2	-	45.5	ab	44.3	ab	2.77	b-g	3.47	-	119	a-d	117	ab
CL 163	162	fgh	174	gh	131	h	138	hi	129	hij	107	i	144	b-g	141	74.0	hi	74.8	-	63.8	cde	66.4	-	45.6	ab	46.7	ab	2.63	efg	3.18	-	119	a-d	127	ab
CL 172	130	i	160	h	150	def	158	efg	111	j	148	gh	130	efg	141	74.6	efg	74.3	-	66.2	abc	66.1	-	43.5	bcd	46.5	ab	2.97	a-d	3.21	-	111	b-g	126	ab
CL 272	179	d-h	196	efg	153	def	149	gh	139	e-j	157	e-h	157	a-d	162	73.9	hij	74.5	-	67.7	abc	66.1	-	43.0	cde	43.7	b	2.85	b-f	3.33	-	108	e-h	114	b
Diamond	193	b-f	222	cde	159	cd	165	de	176	a-d	175	d	162	ab	179	74.9	c-f	74.5	-	64.3	cde	64.8	-	43.6	a-d	46.1	ab	2.73	c-g	3.45	-	111	c-g	125	ab
Jazzman	150	hi	174	gh	112	i	130	i	142	d-j	142	h	126	fgh	140	74.4	fgh	74.9	-	66.6	abc	66.4	-	38.4	h	44.7	ab	2.97	a-d	3.15	-	88	j	118	ab
Jupiter	219	b	233	bc	154	def	178	c	162	c-h	173	de	155	a-e	182	73.8	hij	74.9	-	69.5	a	60.5	-	43.0	cde	47.2	ab	3.08	ab	3.46	-	109	d-g	130	ab
LaKast	201	b-e	218	cde	155	de	153	efg	142	d-j	177	d	150	a-f	171	75.3	a-e	74.1	-	65.3	bc	66.6	-	45.6	ab	45.2	ab	3.22	a	3.37	-	122	ab	121	ab
Mermentau	180	d-h	170	gh	145	efg	147	gh	154	c-h	156	fgh	139	b-g	156	74.8	def	74.6	-	66.2	abc	64.3	-	39.7	g	46.5	ab	2.27	h	3.05	-	91	j	125	ab
MM17	199	b-e	212	cde	153	def	165	de	170	b-f	148	gh	155	a-e	172	73.7	ij	75.1	-	68.4	ab	66.5	-	41.5	def	45.7	ab	2.87	b-e	3.35	-	102	ghi	123	ab
Roy J	191	b-f	227	bcd	151	def	154	efg	156	c-h	176	d	162	ab	174	75.6	abc	75.1	-	65.2	bcd	63.3	-	41.2	efg	48.6	a	2.62	efg	3.29	-	99	hi	136	a
Titan	214	bc	221	cde	144	fg	164	def	169	b-g	172	def	151	a-f	176	73.4	j	73.8	-	65.1	bcd	66.3	-	42.8	cde	45.4	ab	3.20	a	3.48	-	110	d-g	122	ab
Wells	174	e-h	203	def	139	gh	139	hi	149	c-i	165	d-g	142	b-g	159	75.8	ab	73.6	-	61.5	e	66.9	-	45.7	ab	45.8	ab	2.99	a-d	3.45	-	121	abc	124	ab
Clearfield CLXL745	219	b	249	b	188	b	152	fg	137	f-j	220	ab	108	h	182	75.8	ab	73.7	-	65.0	bcd	67.9	-	45.6	ab	45.8	ab	2.84	b-f	3.45	-	120	a-d	124	ab
Clearfield Gemini 214	211	bcd	180	fgh	181	b	214	a	162	c-h	211	bc	132	d-g	185	75.2	a-e	74.6	-	67.3	abc	67.5	-	42.8	cde	44.8	ab	2.48	g	3.35	-	106	f-i	119	ab
Clearfield RT7311	254	a	273	a	204	a	198	b	201	a	224	ab	120	gh	211	75.8	ab	73.6	-	65.7	abc	66.4	-	45.4	ab	46.1	ab	2.54	efg	3.30	-	118	a-e	125	ab
Clearfield RT7812CL	202	b-e	226	bcd	187	b	223	a	197	ab	228	a	147	b-f	201	74.9	c-f	74.3	-	67.6	abc	66.2	-	40.5	fg	47.1	ab	2.77	b-g	3.34	-	98	i	129	ab
Clearfield XL729	205	b-e	226	bcd	166	c	192	b	151	c-h	201	c	134	c-g	182	75.1	b-e	74.3	-	66.9	abc	62.5	-	45.9	ab	46.5	ab	3.04	abc	3.29	-	122	a	126	ab
XP 753	257	a	282	a	185	b	200	b	183	abc	228	a	136	c-g	210	75.9	a	74.1	-	64.6	bcd	66.0	-	44.7	abc	47.5	ab	2.69	d-g	3.15	-	115	a-f	130	ab
XP 760	184	c-g	196	efg	200	a	213	a	173	a-e	229	a	131	efg	189	75.3	a-e	74.4	-	61.8	de	64.9	-	43.0	cde	45.6	ab	2.57	efg	3.30	-	107	f-i	122	ab
LSD P=.10	19.78		16.99		10.62		12.39		20.4		11.25		14.71		0.412	1.247	2.004	4.383	1.28	2.23	0.178	0.259	6	9.8											
Standard Deviation	14.02		12.04		9.01		10.51		14.46		7.97		10.42		0.349	1.057	1.694	3.71	1.09	1.89	0.151	0.219	5.1	8.3											
CV	7.34		5.77		5.67		6.36		9.45		4.56		7.33		0.47	1.42	2.56	5.63	2.49	4.11	5.42	6.61	4.6	6.72											
Bartlett's X2	32.307		26.647		32.165		36.601		28.186		28.893		24.502		63.422	25.686	53.837	26.209	28.353	23.961	33.096	12.05	29.045	22.679											
P(Bartlett's X2)	0.094		0.271		0.097		0.036*		0.209		0.184		0.376		0.001*	0.316	0.001*	0.291	0.203	0.406	0.079	0.97	0.179	0.48											
Skewness	0.3426		0.4101		0.3692		0.381		0.009		0.2468		-0.337		-0.3747	-0.741*	-0.9258*	-1.3727*	-0.6961*	-0.2013	-0.2995	-0.0724	-0.6834*	-0.236											
Kurtosis	0.0256		-0.2297		0.3539		0.1304		0.2797		-0.5213		-0.4885		-0.8617	-0.3577	2.4409*	3.2782*	-0.3498	-0.1783	0.1116	-0.551	-0.3386	-0.0132											
Replicate F	0.268		5.015		9.196		16.125		7.867		1.602		5.582		2.159	2.505	0.929	0.176	1.084	3.843	0.534	2.963	1.245	4.825											
Replicate Prob(F)	0.8485		0.0033		0.0001		0.0001		0.0001		0.1971		0.0017		0.1014	0.0668	0.433	0.9125	0.3624	0.0136	0.6605	0.0387	0.3008	0.0043											
Treatment F	18.471		28.331		24.784		29.632		10.51		67.415		8.786		18.265	1.266	5.617	1.01	15.475	1.418	12.389	1.156	14.738	1.365											
Treatment Prob(F)	0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001	0.2266	0.0001	0.4678	0.0001	0.1381	0.0001	0.3161	0.0001	0.1648											

Means followed by same letter or symbol do not significantly differ (P=.10, Student-Newman-Keuls)

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

* Adjusted means