

Missouri Rice Research and Merchandising Council

2017 Missouri Variety Trial Data

Variety	Yield (bu/A)										Lodging (%)						Shattering (%)																								
	Glennville, MO		Neelyville, MO	Rives, MO	Canalou, MO	Naylor, MO	Vanduser, MO	AVG	Glennville, MO		Neelyville, MO	Rives, MO	Canalou, MO	Naylor, MO	Vanduser, MO	Glennville, MO		Neelyville, MO	Rives, MO	Canalou, MO	Naylor, MO	Vanduser, MO																			
	Early	Late							Early	Late						Early	Late																								
Caffey	193.5	b-f	228	bcd	159	cd	176	cd	158	c-h	162	d-g	159	abc	176	0	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	3	d	0	-	0	g
CL 111	162.2	fgh	175	gh	136	gh	112	j	116	ij	142	h	121	gh	138	73	a	8	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	40	ab	0	-	0	g
CL 151	186.5	b-g	205	def	167	c	139	hi	134	g-j	166	d-g	143	b-g	163	58	ab	30	bc	0	-	0	-	0	-	13	d	0	-	0	-	0	-	0	-	30	abc	0	-	0	g
CL 153	163.2	fgh	181	fgh	144	fg	152	fg	128	hij	150	gh	136	c-g	151	18	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	33	abc	0	-	0	g
CL 163	162.2	fgh	174	gh	131	h	138	hi	129	hij	107	i	144	b-g	141	0	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	23	bcd	0	-	0	g
CL 172	130.2	i	160	h	150	def	158	efg	111	j	148	gh	130	efg	141	0	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	3	d	0	-	0	g
CL 272	179.1	d-h	196	efg	153	def	149	gh	139	e-j	157	e-h	157	a-d	162	7.5	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	8	cd	0	-	0	g
Diamond	193.1	b-f	222	cde	159	cd	165	de	176	a-d	175	d	162	ab	179	0	c	0	d	0	-	0	-	0	-	3	d	0	-	0	-	0	-	0	-	10	cd	0	-	0	g
Jazzman	150.1	hi	174	gh	112	i	130	i	142	d-j	142	h	126	fgh	140	0	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	15	cd	0	-	0	g
Jupiter	218.8	b	233	bc	154	def	178	c	162	c-h	173	de	155	a-e	182	15	c	5	d	0	-	0	-	5	-	43	c	0	-	0	-	0	-	0	-	8	cd	0	-	0	g
LaKast	201.3	b-e	218	cde	155	de	153	efg	142	d-j	177	d	150	a-f	171	10	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	33	abc	0	-	10	ef
Mermentau	179.5	d-h	170	gh	145	efg	147	gh	154	c-h	156	fgh	139	b-g	156	10	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	8	cd	0	-	0	g
MM17	198.6	b-e	212	cde	153	def	165	de	170	b-f	148	gh	155	a-e	172	0	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	3	d	0	-	0	g
Roy J	190.5	b-f	227	bcd	151	def	154	efg	156	c-h	176	d	162	ab	174	0	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	10	cd	0	-	0	g
Titan	213.8	bc	221	cde	144	fg	164	def	169	b-g	172	def	151	a-f	176	15	c	0	d	0	-	0	-	0	-	5	d	0	-	0	-	0	-	0	-	13	cd	0	-	0	g
Wells	173.8	e-h	203	def	139	gh	139	hi	149	c-i	165	d-g	142	b-g	159	0	c	0	d	0	-	0	-	0	-	0	d	0	-	0	-	0	-	0	-	23	bcd	0	-	0	g
Clearfield CLXL745	219.4	b	249	b	188	b	152	fg	137	f-j	220	ab	108	h	182	55	ab	25	bcd	0	-	0	-	0	-	58	bc	0	-	0	-	0	-	0	-	50	a	0	-	33	b
Clearfield Gemini 214	211.4	bcd	180	fgh	181	b	214	a	162	c-h	211	bc	132	d-g	185	30	bc	68	a	0	-	0	-	0	-	53	c	0	-	0	-	0	-	0	-	43	ab	0	-	20	c
Clearfield RT7311	253.7	a	273	a	204	a	198	b	201	a	224	ab	120	gh	211	5	c	10	cd	0	-	0	-	0	-	90	a	0	-	0	-	0	-	0	-	25	bcd	0	-	8	f
Clearfield RT7812CL	201.9	b-e	226	bcd	187	b	223	a	197	ab	228	a	147	b-f	201	20	c	33	b	0	-	0	-	0	-	83	a	0	-	0	-	0	-	0	-	28	a-d	0	-	13	de
Clearfield XL729	204.8	b-e	226	bcd	166	c	192	b	151	c-h	201	c	134	c-g	182	38	bc	13	bcd	0	-	0	-	0	-	18	d	0	-	0	-	0	-	0	-	40	ab	0	-	38	a
XP 753	256.6	a	282	a	185	b	200	b	183	abc	228	a	136	c-g	210	7.5	c	15	bcd	0	-	0	-	0	-	63	bc	0	-	0	-	0	-	0	-	23	bcd	0	-	15	d
XP 760	184.1	c-g	196	efg	200	a	213	a	173	a-e	229	a	131	efg	189	50	ab	65	a	0	-	0	-	0	-	75	ab	0	-	0	-	0	-	0	-	33	abc	0	-	20	c
LSD P=.10	19.78		16.99		10.62		12.39		20.40		11.25		14.71			20.62		14.86		.	.			2.88		15.53		.	.	.	.	.	.	.	.	14.36	.	.	4.00		
Standard Deviation	14.02		12.04		9.01		10.51		14.46		7.97		10.42			14.62		10.54		0	0			2.04		11.01		0	0			0	0	0	0	10.18	0	2.83			
CV	7.34		5.77		5.67		6.36		9.45		4.56		7.33			83.55		93.65		0	0			979.8		52.58		0	0			0	0	0	0	46.52	0	43.88			
Bartlett's X2	32.307		26.647		32.165		36.601		28.186		28.893		24.502			21.788		11.225		0	0			0		28.564		0	0			0	0	0	0	25.804	0	1.337			
P(Bartlett's X2)	0.094		0.271		0.097		0.036*		0.209		0.184		0.376			0.113		0.261		.	.			.		0.001*		.	.			.	.	.	.	0.31	.	0.931			
Skewness	0.3426		0.4101		0.3692		0.381		0.009		0.2468		-0.337			1.1856*		1.9496*		.	.			9.798*		1.1648*		.	.			.	.	.	.	0.49	.	1.7218*			
Kurtosis	0.0256		-0.2297		0.3539		0.1304		0.2797		-0.5213		-0.4885			0.1236		2.7897*		.	.			.		-0.2943		.	.			.	.	.	.	-0.8379	.	2.0057*			
Replicate F	0.268		5.015		9.196		16.125		7.867		1.602		5.582			0.156		1.326		0	0			1		0.857		0	0			0	0	0	0	12.405	0	1.902			
Replicate Prob(F)	0.8485		0.0033		0.0001		0.0001		0.0001		0.1971		0.0017			0.9255		0.2729		1	1			0.3982		1		1	1			1	1	1	1	0.0001	1	0.1373			
Treatment F	18.471		28.331		24.784		29.632		10.51		67.415		8.786			8.654		13.926		0	0			1		31.975		0	0			0	0	0	0	7.583	0	60.609			
Treatment Prob(F)	0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001			0.0001		0.0001		1	1			0.4773		1		1	1			1	1	1	1	0.0001	1	0.0001			

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