

Missouri Rice Research and Merchandising Council

2020 Missouri Variety Trial Data

Variety	Yield (bu/A)							Lodging (%)							Milling Total (%)		Milling Whole (%)																	
	Glennonville, MO		Fisk, MO	Neelyville, MO ¹	Rives, MO	Capejou, MO	AVG	Glennonville, MO		Fisk, MO	Neelyville, MO	Rives, MO	Capejou, MO	AVG	Glennonville, MO		Glennonville, MO																	
	Early	Late					Early	Late							Early	Late	Early	Late																
Caffey	206	de	190	b	172	c-f	99	def	166	b-e	177	ab	169	0	b	0	e	0	b	0	-	0	-	0	-	0	76.9	a	75.7	b-f	70.4	a	68.5	ab
CLM04	204	def	183	bc	165	c-g	106	cde	160	b-e	178	ab	166	0	b	0	e	0	b	0	-	23	-	45	-	11	76.3	a	74.6	h	70.8	a	67.3	abc
Jupiter	201	def	193	b	183	cde	120	b-e	164	b-e	187	a	175	0	b	0	e	0	b	0	-	0	-	23	-	4	76.4	a	74.8	gh	69.7	abc	68.4	ab
MM17	202	def	196	b	184	cde	103	c-f	165	b-e	169	bcd	170	0	b	0	e	0	b	0	-	0	-	23	-	4	75.7	ab	74.4	h	69.9	ab	69.6	a
Titan	200	def	203	b	186	cd	96	def	170	bcd	174	abc	171	0	b	5	e	0	b	0	-	15	-	0	-	3	76.9	a	74.4	h	67.2	a-d	66.4	a-e
CL111	179	g-j	151	de	155	d-g	104	cde	148	d-g	137	fg	146	0	b	8	e	0	b	0	-	0	-	0	-	1	76.7	a	76.6	ab	67.0	a-d	62.5	c-g
CL151	191	e-h	191	b	156	d-g	121	b-e	156	b-f	161	de	163	20	b	48	ab	8	b	0	-	15	-	0	-	15	74.6	ab	75.8	b-f	64.8	a-d	62.9	c-f
CL163	192	d-g	182	bc	140	g	77	ef	146	d-g	142	f	147	0	b	15	de	0	b	0	-	5	-	0	-	3	75.1	ab	75.3	efg	63.9	a-d	63.8	b-f
CLJ01	165	j	158	cd	154	d-g	94	def	129	gh	129	g	138	0	b	0	e	0	b	0	-	0	-	0	-	0	71.3	b	75.9	b-f	62.1	cd	66.6	a-d
CLL15	188	e-i	182	bc	190	c	129	bcd	162	b-e	153	e	167	0	b	18	cde	5	b	0	-	0	-	0	-	4	75.5	ab	75.8	b-f	64.4	a-d	66.5	a-e
CLL16	213	cd	195	b	212	b	101	c-f	159	b-e	186	a	178	0	b	5	e	0	b	0	-	0	-	15	-	3	76.2	a	76.1	a-e	64.5	a-d	60.8	fg
CLL17	149	k	177	bc	162	c-g	93	def	132	fgh	156	de	145	60	a	43	abc	20	b	0	-	35	-	0	-	26	74.4	ab	75.1	fgh	62.6	bcd	62.4	c-g
CLX54197	194	d-g	187	b	164	c-g	104	cde	150	c-g	164	cde	161	0	b	0	e	0	b	0	-	0	-	0	-	0	75.9	a	75.6	def	66.5	a-d	63.3	b-f
Diamond	208	de	192	b	174	c-f	113	b-e	159	b-e	182	ab	171	0	b	0	e	0	b	0	-	15	-	0	-	3	75.3	ab	75.5	efg	63.8	a-d	61.1	efg
Jazzman	184	f-i	175	bc	153	efg	81	ef	141	efg	154	e	148	0	b	0	e	0	b	0	-	15	-	0	-	3	74.3	ab	75.8	b-f	65.8	a-d	66.5	a-e
LaKast	206	de	193	b	179	c-f	129	bcd	160	b-e	170	bcd	173	0	b	3	e	5	b	0	-	0	-	0	-	1	76.2	a	76.0	a-e	64.8	a-d	61.3	d-g
Mermentau	188	e-i	178	bc	159	c-g	102	c-f	158	b-e	155	e	156	0	b	0	e	0	b	0	-	0	-	0	-	0	73.4	ab	76.2	a-e	63.3	a-d	65.7	a-f
PVL01	172	ij	150	de	152	efg	59	f	119	h	136	fg	131	0	b	3	e	0	b	0	-	0	-	0	-	0	76.9	a	76.1	a-e	65.6	a-d	63.5	b-f
PVL02	162	j	135	e	149	fg	92	def	143	d-g	130	g	135	0	b	10	e	15	b	0	-	25	-	0	-	8	75.3	ab	76.1	a-e	63.8	a-d	64.2	b-f
Roy J	213	cd	199	b	163	c-g	92	def	154	c-f	186	a	168	0	b	8	e	10	b	0	-	10	-	0	-	5	76.7	a	75.7	c-f	64.8	a-d	62.2	c-g
RU1801101	193	d-g	180	bc	182	cde	94	def	152	c-g	157	de	160	0	b	8	e	0	b	0	-	48	-	0	-	9	75.9	a	76.5	a-d	67.7	a-d	66.1	a-f
RU1801169	195	d-g	188	b	172	c-f	79	ef	148	d-g	160	de	157	0	b	0	e	0	b	0	-	5	-	0	-	1	75.9	a	76.1	a-e	65.6	a-d	65.0	a-f
RT7301	173	hij	159	cd	158	c-g	112	b-e	148	d-g	-	-	150	0	b	0	e	0	b	0	-	13	-	-	-	3	76.9	a	76.7	a	66.4	a-d	63.9	b-f
RT7321 FP	234	ab	190	b	231	b	176	a	182	ab	-	-	202	0	b	33	b-e	10	b	0	-	33	-	-	-	15	78.2	a	75.7	b-f	66.0	a-d	53.3	i
RT7401	226	bc	195	b	236	b	149	ab	165	b-e	-	-	194	10	b	38	bcd	10	b	0	-	28	-	-	-	17	75.2	ab	76.1	a-e	61.2	d	61.7	d-g
RT7501	232	ab	199	b	255	a	151	ab	196	a	-	-	207	5	b	23	b-e	8	b	0	-	33	-	-	-	14	75.2	ab	75.6	c-f	63.2	a-d	57.9	gh
RT7521 FP	229	ab	184	b	221	b	144	abc	175	bc	-	-	191	20	b	63	a	53	a	0	-	28	-	-	-	33	75.4	ab	75.1	fgh	62.2	bcd	61.0	efg
XP753	245	a	227	a	233	b	168	a	195	a	-	-	214	0	b	28	b-e	20	b	0	-	20	-	-	-	14	75.8	a	76.5	abc	61.8	d	55.5	hi
LSD P=.05	12.25		15.39		17.39		25.09		14.57		8.86			13.6		17.9		12.97		-		26.55		26.75			2.53		0.51		4.06		2.97	
Standard Deviation	8.70		10.93		12.35		17.83		10.35		6.27			9.7		12.7		9.22		0.00		18.87		18.93			1.55		0.31		2.48		1.81	
CV	4.40		5.97		6.87		16.16		6.61		3.91			235.79		100.96		158.80		0.00		145.76		396.68			2.05		0.41		3.79		2.85	
Levene's F	1.978		1.435		1.114		1.694		0.839		1.354			3.111		5.652		1.620		0.000		2.730		2.338			0.570		0.888		0.681		0.557	
Levene's Prob(F)	0.01*		0.110		0.345		0.036*		0.689		0.177			0.001*		0.001*		0.05*		-		0.001*		0.005*			0.944		0.623		0.861		0.951	
Skewness	-0.2357		-0.4222		0.7008*		0.0211		0.0574		-0.1545			4.2866*		2.0395*		2.8575*		-		1.8316*		4.0133*			-0.2164		-0.5417*		0.4131		-0.6546*	
Kurtosis	0.3620		0.9124		-0.0378		-0.5649		0.308		-0.9306			19.2245*		4.2557*		7.7385*		-		3.4125*		14.6694*			1.6843*		-0.4050		-0.6037		0.9880	
Replicate F	0.384		4.234		6.225		34.104		0.76		1.256			1.79		2.039		0.179		0.000		0.450		0.342			0.467		0.357		0.438		3.863	
Replicate Prob(F)	0.7649		0.0079		0.0008		0.0001		0.5201		0.2977			0.1557		0.1149		0.9105		1.0000		0.7176		0.7947			0.6294		0.7012		0.6477		0.0270	
Treatment F	27.697		11.764		23.368		9.652		10.163		31.955			6.402		7.444		5.757		0.000		2.143		1.467			2.134		12.307		3.372		12.985	
Treatment Prob(F)	0.0001		0.0001		0.0001		0.0001		0.0001		0.0001			0.0001		0.0001		0.0001		1		0.0046		0.1228			0.0089		0.0001		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

¹ Late planting, tough growing conditions, and less than optimal flood timing likely contributed to the reduced and highly variable yield at the Neelyville location.