

2023 Missouri Rice Planting Date & Cultivar Trials

Flood-Irrigated and Furrow-Irrigated Production Systems

Conducted by the
University of Missouri Rice Agronomy Program

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University of Missouri

Rice Agronomy

Table of Contents

Agronomic Information	3
Trial Averages	4
Planting Date Grain Yield	4
Hybrid vs. Inbred Comparison	5
Planting Date Milling Yield	6
Furrow-Irrigated Grain Yield.....	7
Furrow-Irrigated Milling Yield	8
On-Farm Flood-Irrigated.....	9
2 Year Cultivar Trial Averages.....	10
Rice Farm Planting Dates (Flood-Irrigated)	11
March 15	11
April 4.....	12
April 20.....	13
May 16	14
June 6.....	15
Portageville Planting Dates (Flood-Irrigated).....	16
March 16	16
April 3.....	17
April 19.....	18
May 19	19
June 13.....	20
Furrow-Irrigated Rice.....	21
Rice Farm	22
Portageville	22
Rives.....	23
Agronomic Averages.....	24

2023 Missouri Planting Date / Furrow-Irrigated Rice Cultivar Trials

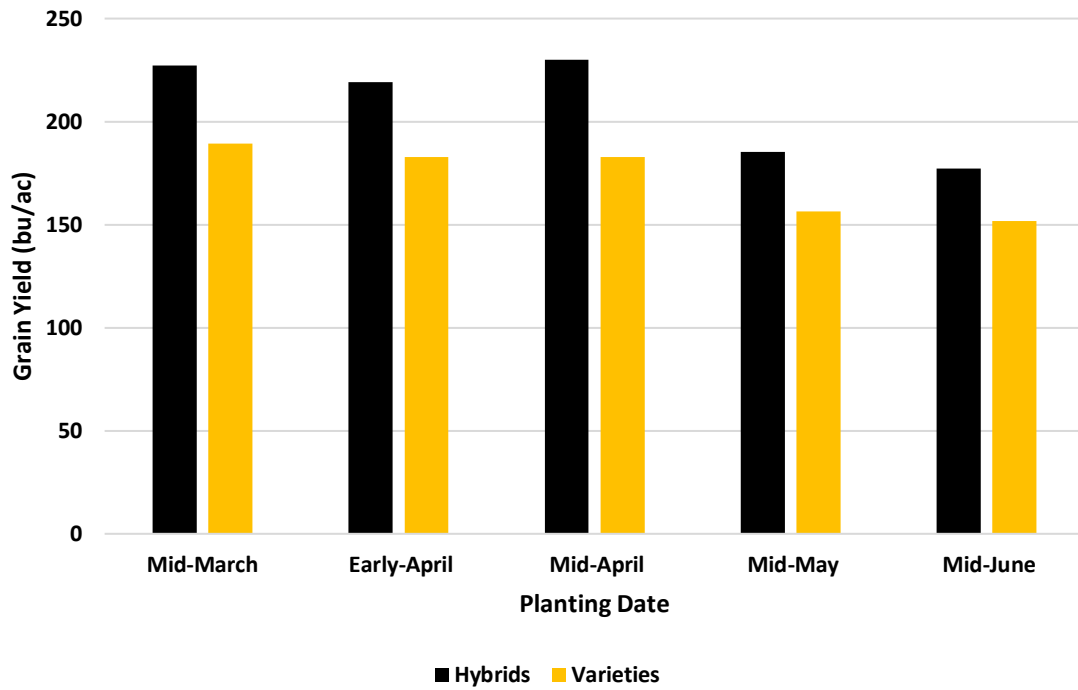
Site	Nearest Town	Planting Date	Emergence Date	Flood Date	Harvest Date	Soil Type	Location Info	Water Management	N Management	N Rate (lbs N/ac)
MRRMC PD1	Glennonville, Dunklin County	March 15	April 13	May 26	September 13	Silt Loam	Research Station	Flood	Single Pre-flood	120
MRRMC PD2	Glennonville, Dunklin County	April 4	April 22	May 26	September 11	Silt Loam	Research Station	Flood	Single Pre-flood	120
MRRMC PD3	Glennonville, Dunklin County	April 20	May 3	May 26	September 13	Silt Loam	Research Station	Flood	Single Pre-flood	120
MRRMC PD4	Glennonville, Dunklin County	May 16	May 22	June 20	October 3	Silt Loam	Research Station	Flood	Single Pre-flood	120
MRRMC PD5	Glennonville, Dunklin County	June 6	June 12	July 8	October 24	Silt Loam	Research Station	Flood	Single Pre-flood	120
FDRC PD1	Portageville, Pemiscot County	March 16	April 10	May 23	September 4	Silt Loam	Research Station	Flood	Single Pre-flood	120
FDRC PD2	Portageville, Pemiscot County	April 3	April 17	May 30	September 7	Silt Loam	Research Station	Flood	Single Pre-flood	120
FDRC PD3	Portageville, Pemiscot County	April 19	May 1	May 30	September 15	Silt Loam	Research Station	Flood	Single Pre-flood	120
FDRC PD4	Portageville, Pemiscot County	May 19	May 21	June 20	October 11	Silt Loam	Research Station	Flood	Single Pre-flood	120
FDRC PD5	Portageville, Pemiscot County	June 13	June 21	July 10	October 23	Silt Loam	Research Station	Flood	Single Pre-flood	120
Neelyville	Neelyville, Butler County	May 3	N/A	N/A	September 27	Sandy Loam	On-Farm	Flood	Single Pre-flood	120
Fisk	Fisk, Butler County	April 19	May 5	N/A	September 21	Clay	On-Farm	Flood	Single Pre-flood	150
Canalou	Canalou, Stoddard County	May 2	May 12	June 10	October 9	Clay	On-Farm	Flood	2-way split	155
MRRMC FIR Top	Glennonville, Dunklin County	April 11	May 1	May 31	September 19	Silt Loam	Research Station	Non-Flood	3-way split	138
MRRMC FIR Middle	Glennonville, Dunklin County	April 11	May 1	May 31	September 19	Silt Loam	Research Station	Muddy	3-way split	138
MRRMC FIR Bottom	Glennonville, Dunklin County	April 11	May 1	May 31	September 19	Silt Loam	Research Station	Flood	3-way split	138
FDRC FIR Top	Portageville, Pemiscot County	April 13	May 3	May 31	September 20	Clay	Research Station	Non-Flood	2-way split	196
FDRC FIR Middle	Portageville, Pemiscot County	April 13	May 3	May 31	September 20	Clay	Research Station	Muddy	2-way split	196
FDRC FIR Bottom	Portageville, Pemiscot County	April 13	May 3	May 31	September 20	Clay	Research Station	Flood	2-way split	196
Rives FIR Top	Portageville, Pemiscot County	April 12	May 2	N/A	September 26	Clay	On-Farm	Non-Flood	3-way split	196
Rives FIR Middle	Portageville, Pemiscot County	April 12	May 2	N/A	September 26	Clay	On-Farm	Muddy	3-way split	196
Rives FIR Bottom	Portageville, Pemiscot County	April 12	May 2	N/A	September 26	Clay	On-Farm	Flood	3-way split	196

2023 Missouri Planting Date Trials Grain Yield

Cultivar	Rice Farm (Glennonville)					Portageville					AVG
	15-Mar	4-Apr	20-Apr	16-May	6-Jun	16-Mar	3-Apr	19-Apr	19-May	13-Jun	
DG263L	213	220	217	168	187	188	182	181	170	161	189
Diamond	214	205	204	155	171	177	170	175	159	156	179
Ozark	215	206	210	173	167	207	181	177	164	159	186
ProGold1	176	196	204	153	166	175	175	166	167	156	173
ProGold2	177	164	185	145	145	163	159	160	173	136	161
ARoma22	175	176	183	127	139	153	138	144	146	129	151
CLHA02	195	192	180	154	156	187	175	170	162	152	172
CLL16	205	215	210	162	155	177	160	166	165	160	178
CLL18	216	214	217	169	179	191	179	177	169	157	187
CLL19	185	186	183	143	132	184	172	184	148	141	166
PVL03	180	180	175	132	123*	188	174	168	148	128	160
PVL04	216	197	199	146	155	176	172	165	174	153	175
RTv7231 MA	198	196	195	156	136	190	171	157	142	142	168
DG3H2004	248	244	251	195	191	220	203	214	178	179	212
DG3H2007	248	247	250	191	199	225	211	220	184	173	215
DG3H20363	247	245	257	203	201	214	218	228	183	176	217
DG3H20402	239	232	241	183	191	230	206	231	177	168	210
DG3H20408	203	235	233	186	185	232	209	197	171	151	200
RT7302	265	241	258	205	199	224	211	232	193	185	221
RT7401	228	229	238	181	187	194	202	213	186	168	203
XP753	249	221	242	183	173	213	210	223	197	177	209
RT7321 FP	234	233	237	193	131*	205	195	206	176	177	199
RT7421 FP	238	239	240	186	180	197	189	209	180	168	203
RT7523 FP	242	229	235	186	172	204	204	217	196	163	205
RT7331 MA	251	223	240	178	165	226	200	220	175	194	207
RT7431 MA	228	222	240	176	182	201	198	213	178	172	201
MM17	199	189	199	146	142	170	161	160	179	145	169
ProGold M3	N/A	211	217	169	149	N/A	181	188	168	147	179
Taurus	226	213	220	168	159	202	173 ⁺	152 ⁺	119 ⁺	157	179
RT3202	231	232	250	193	161	197	184	199	186	181	201
AVERAGE	219	214	220	170	166	197	186	190	170	160	189

* significant blackbird damage, + significant lodging

Planting Date Effect – Hybrid vs Variety



Planting date effect on the average yield of hybrids and inbred varieties at the Rice Research Farm near Glennonville and the Fisher Delta Research Center near Portageville.

2023 Missouri Planting Date Trials Milling Yield

Cultivar	Rice Farm (Glennonville)					Portageville					AVG
	15-Mar	4-Apr	20-Apr	16-May	6-Jun	16-Mar	3-Apr	19-Apr	19-May	13-Jun	
DG263L	58-68	53-67	58-68	62-71	56-67	60-68	62-71	60-70	51-70	57-67	58-69
Diamond	60-71	58-71	60-71	60-72	61-70	64-71	68-73	66-74	61-72	60-68	62-71
Ozark	63-73	59-71	63-72	63-73	64-72	67-73	69-74	67-74	58-72	63-70	63-72
ProGold1	63-71	61-70	62-71	56-72	63-67	64-70	68-73	66-72	59-72	60-68	62-71
ProGold2	63-73	58-71	65-73	56-73	63-71	69-73	70-74	69-74	60-72	60-70	63-72
ARoma22	64-71	62-70	64-70	59-71	58-69	67-71	67-73	67-73	59-71	61-68	63-71
CLHA02	64-71	61-71	64-71	64-72	63-71	64-70	68-73	67-73	60-71	63-71	64-71
CLL16	60-71	56-68	60-70	65-73	57-68	65-72	63-71	66-74	63-73	55-67	61-71
CLL18	59-70	55-69	59-69	61-71	59-68	61-69	65-71	64-73	61-71	57-67	60-70
CLL19	62-71	58-69	62-71	59-71	64-71	63-69	66-72	67-73	56-70	64-72	62-71
PVL03	64-72	62-72	64-72	63-73	63-72	66-72	67-73	67-73	60-72	63-70	64-72
PVL04	57-69	53-66	58-69	63-72	57-68	62-70	65-72	64-73	62-72	57-69	60-70
RTv7231 MA	55-70	53-68	58-70	55-72	60-71	63-71	64-72	62-72	56-70	58-69	58-70
DG3H2004	56-67	52-65	55-67	57-71	54-68	59-67	64-70	63-72	49-70	51-66	56-68
DG3H2007	51-66	50-65	50-66	50-71	52-68	56-65	65-73	60-71	45-70	50-66	53-68
DG3H20363	54-67	50-65	53-66	54-71	51-66	58-67	63-71	58-70	48-68	51-65	54-68
DG3H20402	52-68	47-67	50-68	47-71	49-67	56-67	63-72	59-71	41-70	48-66	51-69
DG3H20408	49-69	49-69	54-69	51-72	50-68	61-70	62-72	58-72	40-68	51-67	53-70
RT7302	57-71	52-69	60-70	59-73	60-71	63-70	68-73	64-73	54-72	60-71	60-71
RT7401	56-70	53-69	57-70	50-72	58-68	63-70	66-73	64-72	54-72	58-69	58-71
XP753	56-72	51-70	58-71	54-72	58-70	66-71	66-73	67-74	48-73	56-71	58-72
RT7321 FP	54-71	47-69	53-68	56-72	48-69	63-71	65-72	65-73	75-72	54-70	58-71
RT7421 FP	53-70	51-68	56-69	56-72	57-68	62-71	64-72	64-73	56-72	53-67	57-70
RT7523 FP	59-71	53-69	59-71	51-72	60-70	65-71	67-73	64-73	55-72	58-70	59-71
RT7331 MA	59-72	53-71	58-72	51-73	57-71	64-71	64-73	65-73	49-72	58-72	58-72
RT7431 MA	57-71	55-70	59-71	51-72	59-69	65-72	67-73	64-73	53-72	58-69	59-71
MM17	67-71	64-70	65-70	66-72	64-67	66-71	69-72	69-73	64-72	64-67	66-70
ProGold M3	N/A	67-70	66-70	61-71	62-68	N/A	64-73	65-72	65-71	64-66	64-70
Taurus	67-72	68-72	66-72	63-72	64-68	68-72	66-72	70-73	58-71	65-68	65-71
RT3202	59-70	59-69	61-70	58-72	60-69	66-71	69-72	65-72	59-72	58-70	61-71
AVERAGE	58-70	56-69	59-70	57-72	58-69	63-70	66-72	65-73	56-71	58-69	60-71

2023 Missouri Furrow-Irrigated Cultivar Trials Grain Yield

Cultivar	Rice Farm (Glennonville)			Portageville			Rives*			AVERAGE
	Top	Middle	Bottom	Top	Middle	Bottom	Top	Middle	Bottom	
DG263L	135	162	198	155	151	164	140	168	167	160
Diamond	123	140	219	134	124	138	124	139	160	145
Ozark	133	149	215	141	135	160	114	167	181	155
ProGold1	121	129	209	124	127	145	119	149	173	144
ProGold2	123	120	196	116	121	137	87	127	162	132
ARoma22	115	136	172	106	96	114	105	128	138	123
CLHA02	117	136	182	140	144	152	108	148	166	144
CLL16	125	138	210	123	139	153	120	145	143	144
CLL18	136	155	223	127	143	159	135	163	132	153
CLL19	128	150	196	121	141	153	116	146	154	145
PVL03	121	134	191	121	125	143	130	156	165	143
PVL04	131	151	204	146	135	153	94	164	174	150
RTv7231 MA	123	140	186	144	146	155	130	146	133	145
DG3H2004	165	173	239	174	179	182	118	167	202	178
DG3H2007	176	181	242	177	190	209	132	142	170	180
DG3H20363	180	187	248	179	187	202	126	185	163	184
DG3H20402	171	179	245	189	181	211	136	140	195	183
DG3H20408	160	168	222	160	172	183	148	161	190	174
RT7302	141	165	242	180	185	196	130	174	210	180
RT7401	161	161	234	169	167	183	144	182	173	175
XP753	156	177	236	164	180	186	118	162	202	176
RT7321 FP	141	154	222	178	187	181	112	149	184	168
RT7421 FP	147	175	231	164	167	185	130	159	181	171
RT7523 FP	144	152	218	154	162	183	113	157	177	162
RT7331 MA	149	165	224	181	180	188	122	184	199	177
RT7431 MA	136	164	241	164	173	180	123	185	195	173
Jupiter	140	141	208	139	142	148	109	150	136	146
ProGold M3	131	150	213	146	145	170	102	172	154	154
Taurus	141	137	210	187	177	194	107	151	165	163
RT3202	144	161	235	142	152	170	124	154	181	162
AVERAGE	140	154	217	152	155	169	121	157	171	160

* significant lodging from Labor Day storms

2023 Missouri Furrow-Irrigated Cultivar Trials Milling Yield

Cultivar	Rice Farm (Glennonville)			Portageville			Rives			AVERAGE
	Top	Middle	Bottom	Top	Middle	Bottom	Top	Middle	Bottom	
DG263L	59-72	59-71	59-72	59-69	61-69	62-70	30-69	45-71	52-71	54-70
Diamond	57-71	58-73	61-73	62-73	62-72	66-73	42-71	45-73	53-72	56-72
Ozark	55-71	60-73	65-75	65-74	66-72	68-74	48-72	53-73	61-73	60-73
ProGold1	58-72	56-74	67-73	60-72	62-72	65-73	42-71	55-72	61-73	58-72
ProGold2	54-73	49-72	63-72	59-73	59-72	64-74	42-72	50-74	57-73	55-73
ARoma22	57-70	63-73	60-73	65-71	64-71	66-72	54-71	57-72	64-73	61-72
CLHA02	50-70	61-73	65-71	65-73	62-71	67-73	43-71	57-73	60-71	59-72
CLL16	49-70	54-73	62-73	60-72	63-72	66-73	42-71	50-73	56-73	56-72
CLL18	59-72	60-73	59-70	65-73	66-72	66-73	31-71	44-72	57-71	56-72
CLL19	56-71	58-73	63-72	65-73	63-71	68-74	47-71	60-74	60-72	60-72
PVL03	55-71	59-73	66-75	62-73	64-72	67-74	43-70	60-74	62-73	60-73
PVL04	56-69	55-71	59-71	67-74	66-73	68-74	55-72	62-74	62-73	61-72
RTv7231 MA	49-70	52-72	60-73	62-72	63-71	63-71	27-72	36-71	46-69	51-71
DG3H2004	48-71	50-71	62-73	57-71	58-70	61-71	31-72	36-71	50-72	50-71
DG3H2007	51-72	45-72	56-72	54-71	57-70	57-71	21-70	35-73	42-71	46-71
DG3H20363	44-70	47-71	58-72	59-71	58-70	62-72	33-70	49-72	47-71	51-71
DG3H20402	40-72	46-73	57-72	54-72	55-70	58-72	32-70	37-72	43-71	47-72
DG3H20408	51-71	50-72	55-72	54-73	52-70	56-72	30-70	32-71	39-73	47-72
RT7302	61-75	51-72	57-73	62-74	62-72	64-73	32-71	40-72	48-73	53-73
RT7401	50-73	53-72	57-73	64-73	65-72	65-73	30-71	31-71	44-71	51-72
XP753	51-73	54-75	58-74	61-74	64-73	63-74	30-72	39-74	51-74	52-74
RT7321 FP	43-72	49-73	61-74	56-73	61-72	56-72	29-71	33-73	42-72	48-72
RT7421 FP	59-73	58-74	57-73	62-73	63-72	63-73	30-72	44-73	51-72	54-73
RT7523 FP	51-72	55-72	66-74	63-73	61-71	65-73	30-72	37-73	38-71	52-72
RT7331 MA	47-73	49-73	62-75	63-75	64-73	65-74	31-73	47-73	45-74	53-74
RT7431 MA	49-70	56-74	63-73	62-74	65-73	66-73	23-72	41-73	44-71	52-72
Jupiter	70-72	67-72	69-72	65-73	65-70	67-71	59-69	63-72	50-70	64-71
ProGold M3	68-72	67-73	67-70	68-73	64-70	67-72	49-71	60-73	63-73	64-72
Taurus	66-74	67-75	58-71	68-73	66-72	68-72	33-73	55-73	60-72	60-73
RT3202	59-74	50-72	59-73	63-73	61-71	64-73	26-72	37-72	55-73	53-73
AVERAGE	54-72	55-73	61-73	62-73	62-71	64-73	36-71	46-72	52-72	55-72

2023 Missouri Flood-Irrigated On-Farm Trials

Cultivar	Fisk			Canalou			Neelyville		
	Lodging	Milling Yield	Grain Yield	Lodging	Milling Yield	Grain Yield	Lodging	Milling Yield	Grain Yield
	1-9	%	bu/ac	1-9	%	bu/ac	1-9	%	bu/ac
DG263L	1	63-71	229	2	44-69	178	1	50-70	157
Diamond	1	64-72	219	1	49-71	178	1	46-71	151
Ozark	1	66-73	215	1	51-71	177	1	47-71	153
ProGold1	1	65-72	208	1	49-70	166	1	42-70	150
ProGold2	1	65-72	195	1	45-71	155	1	40-72	134
ARoma22	1	64-72	182	1	51-69	143	1	52-70	141
CLHA02	1	66-73	189	1	52-70	154	1	52-71	144
CLL16	1	64-72	211	1	45-69	167	1	52-71	161
CLL18	1	61-72	230	2	50-68	174	1	51-70	170
CLL19	1	65-73	200	1	55-70	161	1	54-71	149
PVLO3	1	66-73	189	1	47-69	137	1	51-71	114
PVLO4	1	62-70	212	1	55-69	148	1	55-69	159
RTv7231 MA	1	64-73	194	2	44-70	151	1	42-70	139
DG3H2004	1	59-72	254	2	40-71	213	1	45-71	198
DG3H2007	1	57-70	256	2	38-71	207	1	41-71	203
DG3H20363	1	58-71	257	1	43-70	208	1	40-70	202
DG3H20402	1	57-71	258	1	34-70	197	1	35-70	193
DG3H20408	1	56-72	230	2	30-71	192	1	38-70	185
RT7302	1	63-73	268	1	42-73	210	1	35-71	181
RT7401	1	62-72	247	3	39-72	195	1	42-71	168
XP753	1	64-74	248	1	36-73	188	1	37-72	180
RT7321 FP	1	59-73	248	1	34-72	157	1	32-72	174
RT7421 FP	1	61-72	235	3	38-71	177	1	41-71	174
RT7523 FP	1	63-73	239	2	38-72	181	1	46-70	168
RT7331 MA	1	65-74	255	1	41-73	192	1	33-71	167
RT7431 MA	1	65-74	248	2	40-72	183	1	40-70	156
MM17	1	67-72	197	1	59-69	158	1	60-71	147
ProGold M3	1	66-71	214	1	58-68	164	1	59-70	141
Taurus	1	60-73	214	2	54-71	172	1	56-72	169
RT3202	1	66-72	263	4	43-70	182	1	40-71	152
AVERAGE	1	63-72	227	2	45-70	176	1	45-71	163

2023 Missouri Cultivar Trials Grain Yield (2 Year Average)

Cultivar	2022	2023	2022 FIR Average			2023 FIR Average			2022	2023	2-Year AVERAGE
	Flood Avg	Flood	Top	Middle	Bottom	Top	Middle	Bottom	Average	Average	
DG263L	182	189	161	181	199	143	160	176	181	167	174
Diamond	177	179	164	193	198	127	135	172	183	153	168
Ozark	185	186	166	181	193	130	151	185	181	163	172
ProGold1	172	173	161	199	197	121	135	176	182	151	167
ProGold2	166	161	140	172	185	109	123	165	166	139	153
ARoma22	-	151	-	-	-	109	120	142	-	130	-
CLHA02	167	172	167	187	186	122	143	167	176	151	164
CLL16	166	178	148	178	186	123	140	169	169	152	161
CLL18	177	187	158	201	204	133	154	171	185	161	173
CLL19	-	166	-	-	-	122	145	168	-	150	-
PVL03	154	164	149	171	168	124	138	167	160	148	154
PVL04	-	175	-	-	-	124	150	177	-	157	-
RTv7231 MA	162	168	159	177	181	133	144	158	170	151	160
DG3H2004	-	212	-	-	-	152	173	208	-	186	-
DG3H2007	-	215	-	-	-	162	171	207	-	189	-
DG3H20363	-	217	-	-	-	162	186	205	-	192	-
DG3H20402	-	210	-	-	-	165	167	217	-	190	-
DG3H20408	-	200	-	-	-	156	167	199	-	181	-
RT7302	216	221	211	229	235	150	174	216	223	190	207
RT7401	198	203	193	209	220	158	170	197	205	182	193
XP753	208	209	195	225	234	146	173	208	216	184	200
RT7321 FP	192	206	191	219	218	144	164	196	205	177	191
RT7421 FP	190	203	177	207	216	147	167	199	198	179	188
RT7523 FP	-	205	-	-	-	137	157	193	-	173	-
RT7331 MA	208	207	194	231	229	151	176	203	215	184	200
RT7431 MA	-	201	-	-	-	141	174	205	-	180	-
MM17	-	169	-	-	-	-	-	-	-	169	-
ProGold M3	-	179	-	-	-	126	156	179	-	160	-
Taurus	184	192	179	193	205	145	155	190	190	171	180
RT3202	-	201	-	-	-	136	156	195	-	172	-
AVERAGE	183	190	171	197	203	137	156	186	189	168	177

Rice Farm March 15 Planted

Cultivar	Grain Length	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield
		in	days	1-9	%	bu/ac
DG263L	L	31	98	1	58-68	213
Diamond	L	35	101	1	60-71	214
Ozark	L	35	102	1	63-73	215
ProGold1	L	34	106	1	63-71	176
ProGold2	L	37	104	1	63-73	177
ARoma22	L	37	102	1	64-71	175
CLHA02	L	32	101	1	64-71	195
CLL16	L	34	105	1	60-71	205
CLL18	L	35	102	1	59-70	216
CLL19	L	30	98	1	62-71	185
PVL03	L	33	102	1	64-72	180
PVL04	L	32	103	1	57-69	216
RTv7231 MA	L	33	95	1	55-70	198
DG3H2004	L	34	105	1	56-67	248
DG3H2007	L	35	104	1	51-66	248
DG3H20363	L	35	104	1	54-67	247
DG3H20402	L	35	105	1	52-68	239
DG3H20408	L	35	106	1	49-69	203
RT7302	L	35	100	1	57-71	265
RT7401	L	34	100	1	56-70	228
XP753	L	36	99	1	56-72	249
RT7321 FP	L	35	97	1	54-71	234
RT7421 FP	L	37	99	1	53-70	238
RT7523 FP	L	35	100	1	59-71	242
RT7331 MA	L	35	99	1	59-72	251
RT7431 MA	L	35	99	1	57-71	228
MM17	M	35	103	1	67-71	199
ProGold M3	M	N/A	N/A	N/A	N/A	N/A
Taurus	M	35	99	1	67-72	226
RT3202	M	34	96	1	59-70	231
AVERAGE		34	101	1	58-70	219

Rice Farm April 4 Planted

Cultivar	Grain Length	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield
		in	days	1-9	%	bu/ac
DG263L	L	33	86	1	53-67	220
Diamond	L	36	93	1	58-71	205
Ozark	L	35	92	1	59-71	206
ProGold1	L	35	95	1	61-70	196
ProGold2	L	35	96	1	58-71	164
ARoma22	L	37	92	1	62-70	176
CLHA02	L	32	93	1	61-71	192
CLL16	L	36	94	1	56-68	215
CLL18	L	36	91	1	55-69	214
CLL19	L	32	89	1	58-69	186
PVL03	L	33	92	1	62-72	180
PVL04	L	32	93	1	53-66	197
RTv7231 MA	L	35	86	1	53-68	196
DG3H2004	L	36	94	1	52-65	244
DG3H2007	L	36	93	1	50-65	247
DG3H20363	L	35	93	1	50-65	245
DG3H20402	L	35	93	1	47-67	232
DG3H20408	L	40	97	1	49-69	235
RT7302	L	37	91	1	52-69	241
RT7401	L	36	89	1	53-69	229
XP753	L	35	89	1	51-70	221
RT7321 FP	L	37	87	1	47-69	233
RT7421 FP	L	38	89	1	51-68	239
RT7523 FP	L	36	89	1	53-69	229
RT7331 MA	L	35	89	1	53-71	223
RT7431 MA	L	33	90	1	55-70	222
MM17	M	34	96	1	64-70	189
ProGold M3	M	31	93	1	67-70	211
Taurus	M	33	92	1	68-72	213
RT3202	M	35	87	1	59-69	232
AVERAGE		35	92	1	56-69	214

Rice Farm April 20 Planted

Cultivar	Grain Length	Canopy Height	Days to		Milling Yield	Grain Yield
			Heading	Lodging		
		in	days	1-9	%	bu/ac
DG263L	L	34	76	1	58-68	217
Diamond	L	36	81	1	60-71	204
Ozark	L	36	81	1	63-72	210
ProGold1	L	36	83	1	62-71	204
ProGold2	L	36	82	1	65-73	185
ARoma22	L	39	81	1	64-70	183
CLHA02	L	32	84	1	64-71	180
CLL16	L	37	83	1	60-70	210
CLL18	L	38	81	1	59-69	217
CLL19	L	33	79	1	62-71	183
PVL03	L	34	83	1	64-72	175
PVL04	L	32	84	1	58-69	199
RTv7231 MA	L	36	78	1	58-70	195
DG3H2004	L	39	83	1	55-67	251
DG3H2007	L	37	77	1	50-66	250
DG3H20363	L	38	83	1	53-66	257
DG3H20402	L	37	82	1	50-68	241
DG3H20408	L	41	87	1	54-69	233
RT7302	L	38	81	1	60-70	258
RT7401	L	36	82	1	57-70	238
XP753	L	36	79	1	58-71	242
RT7321 FP	L	38	78	1	53-68	237
RT7421 FP	L	37	81	1	56-69	240
RT7523 FP	L	37	80	1	59-71	235
RT7331 MA	L	38	78	1	58-72	240
RT7431 MA	L	37	81	1	59-71	240
MM17	M	34	86	1	65-70	199
ProGold M3	M	33	85	1	66-70	217
Taurus	M	36	83	1	66-72	220
RT3202	M	40	77	1	61-70	250
AVERAGE		36	81	1	59-70	219

Rice Farm May 16 Planted

Cultivar	Grain Length	Canopy Height	Days to Heading	Lodging 1-9	Milling Yield %	Grain Yield bu/ac
DG263L	L	31	79	1	62-71	168
Diamond	L	33	84	1	60-72	155
Ozark	L	34	84	1	63-73	173
ProGold1	L	32	87	1	56-72	153
ProGold2	L	33	85	1	56-73	145
ARoma22	L	35	82	1	59-71	127
CLHA02	L	31	84	1	64-72	154
CLL16	L	33	88	1	65-73	162
CLL18	L	34	85	1	61-71	169
CLL19	L	30	81	1	59-71	143
PVL03	L	31	87	1	63-73	132
PVL04	L	28	87	1	63-72	146
RTv7231 MA	L	32	78	1	55-72	156
DG3H2004	L	33	85	1	57-71	195
DG3H2007	L	32	84	1	50-71	191
DG3H20363	L	33	84	1	54-71	203
DG3H20402	L	33	84	1	47-71	183
DG3H20408	L	33	87	1	51-72	186
RT7302	L	33	80	1	59-73	205
RT7401	L	32	82	1	50-72	181
XP753	L	33	80	1	54-72	183
RT7321 FP	L	34	78	1	56-72	193
RT7421 FP	L	34	83	1	56-72	186
RT7523 FP	L	33	83	1	51-72	186
RT7331 MA	L	33	79	1	51-73	178
RT7431 MA	L	33	84	1	51-72	176
MM17	M	32	88	1	66-72	146
ProGold M3	M	32	84	1	61-71	169
Taurus	M	31	83	1	63-72	168
RT3202	M	34	77	1	58-72	193
AVERAGE		33	83	1	57-72	169

Rice Farm June 6 Planted

Cultivar	Grain Length	Canopy Height	Days to Heading	Lodging 1-9	Milling Yield %	Grain Yield bu/ac
DG263L	L	32	75	1	56-67	187
Diamond	L	37	81	1	61-70	171
Ozark	L	36	83	1	64-72	167
ProGold1	L	35	84	1	63-67	166
ProGold2	L	36	84	1	63-71	145
ARoma22	L	37	78	1	58-69	139
CLHA02	L	32	80	1	63-71	156
CLL16	L	36	85	1	57-68	155
CLL18	L	37	81	1	59-68	179
CLL19	L	32	77	1	64-71	132
PVL03	L	34	83	1	63-72	123
PVL04	L	32	82	1	57-68	155
RTv7231 MA	L	33	74	1	60-71	136
DG3H2004	L	33	84	1	54-68	191
DG3H2007	L	37	82	1	52-68	199
DG3H20363	L	35	83	1	51-66	201
DG3H20402	L	34	82	1	49-67	191
DG3H20408	L	36	85	1	50-68	185
RT7302	L	36	76	1	60-71	199
RT7401	L	35	81	1	58-68	187
XP753	L	34	75	1	58-70	173
RT7321 FP	L	37	74	1	48-69	131
RT7421 FP	L	36	83	1	57-68	180
RT7523 FP	L	35	81	1	60-70	172
RT7331 MA	L	35	74	1	57-71	165
RT7431 MA	L	35	81	1	59-69	182
MM17	M	34	84	1	64-67	142
ProGold M3	M	32	86	1	62-68	149
Taurus	M	33	81	1	64-68	159
RT3202	M	36	73	1	60-69	161
AVERAGE		35	81	1	58-69	166

Portageville March 16 Planted

Cultivar	Grain Length	Canopy Height	Days to Heading	Lodging 1-9	Milling Yield %	Grain Yield bu/ac
DG263L	L	33	96	1	60-68	188
Diamond	L	37	101	1	64-71	177
Ozark	L	37	101	1	67-73	207
ProGold1	L	37	103	1	64-70	175
ProGold2	L	40	103	1	69-73	163
ARoma22	L	38	102	1	67-71	153
CLHA02	L	36	100	1	64-70	187
CLL16	L	37	104	1	65-72	177
CLL18	L	36	101	1	61-69	191
CLL19	L	35	96	1	63-69	184
PVL03	L	37	102	1	66-72	188
PVL04	L	35	102	1	62-70	176
RTv7231 MA	L	37	95	1	63-71	190
DG3H2004	L	36	102	1	59-67	220
DG3H2007	L	38	102	1	56-65	225
DG3H20363	L	35	102	1	58-67	214
DG3H20402	L	37	101	1	56-67	230
DG3H20408	L	38	107	1	61-70	232
RT7302	L	37	101	1	63-70	224
RT7401	L	37	100	1	63-70	194
XP753	L	36	100	1	66-71	213
RT7321 FP	L	37	98	1	63-71	205
RT7421 FP	L	37	100	1	62-71	197
RT7523 FP	L	37	100	1	65-71	204
RT7331 MA	L	36	98	1	64-71	226
RT7431 MA	L	36	99	1	65-72	201
MM17	M	36	101	1	66-71	170
ProGold M3	M	N/A	N/A	N/A	N/A	N/A
Taurus	M	37	99	1	68-72	202
RT3202	M	37	96	1	66-71	197
AVERAGE		37	101	1	63-70	197

Portageville April 3 Planted

Cultivar	Grain Length	Canopy Height	Days to Heading	Lodging 1-9	Milling Yield %	Grain Yield bu/ac
DG263L	L	34	94	1	62-71	182
Diamond	L	37	99	1	68-73	170
Ozark	L	36	100	1	69-74	181
ProGold1	L	37	103	1	68-73	175
ProGold2	L	38	102	1	70-74	159
ARoma22	L	37	100	1	67-73	138
CLHA02	L	35	100	1	68-73	175
CLL16	L	36	103	1	63-71	160
CLL18	L	39	100	1	65-71	179
CLL19	L	33	97	1	66-72	172
PVL03	L	36	101	1	67-73	174
PVL04	L	33	102	1	65-72	172
RTv7231 MA	L	33	93	1	64-72	171
DG3H2004	L	37	103	1	64-70	203
DG3H2007	L	36	99	1	65-73	211
DG3H20363	L	35	98	1	63-71	218
DG3H20402	L	34	101	1	63-72	206
DG3H20408	L	40	101	1	62-72	209
RT7302	L	36	99	1	68-73	211
RT7401	L	35	96	1	66-73	202
XP753	L	37	99	1	66-73	210
RT7321 FP	L	36	94	1	65-72	195
RT7421 FP	L	37	98	1	64-72	189
RT7523 FP	L	36	99	1	67-73	204
RT7331 MA	L	37	99	1	64-73	200
RT7431 MA	L	34	98	1	67-73	198
MM17	M	36	100	1	69-72	161
ProGold M3	M	34	99	1	64-73	181
Taurus	M	36	97	4	66-72	173
RT3202	M	36	93	1	69-72	184
AVERAGE		36	99	1	66-72	186

Portageville April 19 Planted

Cultivar	Grain Length	Canopy	Days to	Lodging	Milling	Grain
		Height	Heading		Yield	Yield
		in	days	1-9	%	bu/ac
DG263L	L	30	83	1	60-70	181
Diamond	L	38	88	1	66-74	175
Ozark	L	38	87	3	67-74	177
ProGold1	L	38	91	1	66-72	166
ProGold2	L	39	90	1	69-74	160
ARoma22	L	38	86	1	67-73	144
CLHA02	L	34	88	1	67-73	170
CLL16	L	38	89	2	66-74	166
CLL18	L	39	88	4	64-73	177
CLL19	L	32	85	1	67-73	184
PVL03	L	36	89	1	67-73	168
PVL04	L	33	90	1	64-73	165
RTv7231 MA	L	32	82	3	62-72	157
DG3H2004	L	37	88	1	63-72	214
DG3H2007	L	36	88	1	60-71	220
DG3H20363	L	34	87	1	58-70	228
DG3H20402	L	36	87	1	59-71	231
DG3H20408	L	35	91	2	58-72	197
RT7302	L	35	86	1	64-73	232
RT7401	L	33	86	1	64-72	213
XP753	L	36	85	1	67-74	223
RT7321 FP	L	37	84	2	65-73	206
RT7421 FP	L	36	86	2	64-73	209
RT7523 FP	L	33	84	3	64-73	217
RT7331 MA	L	35	84	2	65-73	220
RT7431 MA	L	31	85	4	64-73	213
MM17	M	37	90	1	69-73	160
ProGold M3	M	34	89	3	65-72	188
Taurus	M	37	87	7	70-73	152
RT3202	M	34	82	3	65-72	199
AVERAGE		35	87	2	65-73	190

Portageville May 19 Planted

Cultivar	Grain Length	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield
DG263L	L	33	79	2	51-70	170
Diamond	L	40	84	2	61-72	159
Ozark	L	40	83	2	58-72	164
ProGold1	L	40	86	1	59-72	167
ProGold2	L	39	85	1	60-72	173
ARoma22	L	39	82	1	59-71	146
CLHA02	L	35	82	2	60-71	162
CLL16	L	40	87	1	63-73	165
CLL18	L	39	86	1	61-71	169
CLL19	L	26	81	2	56-70	148
PVL03	L	37	85	2	60-72	148
PVL04	L	36	87	2	62-72	174
RTv7231 MA	L	35	76	2	56-70	142
DG3H2004	L	41	83	6	49-70	178
DG3H2007	L	40	83	4	45-70	184
DG3H20363	L	38	84	1	48-68	183
DG3H20402	L	37	83	1	41-70	177
DG3H20408	L	41	85	1	40-68	171
RT7302	L	39	81	4	54-72	193
RT7401	L	38	80	1	54-72	186
XP753	L	38	80	1	48-73	197
RT7321 FP	L	37	77	2	75-72	176
RT7421 FP	L	41	83	2	56-72	180
RT7523 FP	L	38	81	1	55-72	196
RT7331 MA	L	38	78	3	49-72	175
RT7431 MA	L	38	80	2	53-72	178
MM17	M	39	86	1	64-72	179
ProGold M3	M	37	85	1	65-71	168
Taurus	M	37	81	7	58-71	119
RT3202	M	40	76	2	59-72	186
AVERAGE		38	82	2	56-71	170

Portageville June 13 Planted

Cultivar	Grain Length	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield
DG263L	L	32	70	1	57-67	161
Diamond	L	36	75	1	60-68	156
Ozark	L	37	76	1	63-70	159
ProGold1	L	34	77	1	60-68	156
ProGold2	L	37	75	1	60-70	136
ARoma22	L	37	72	1	61-68	129
CLHA02	L	31	75	1	63-71	152
CLL16	L	35	77	1	55-67	160
CLL18	L	37	75	1	57-67	157
CLL19	L	32	73	1	64-72	141
PVL03	L	34	75	1	63-70	128
PVL04	L	31	76	1	57-69	153
RTv7231 MA	L	33	68	1	58-69	142
DG3H2004	L	36	68	1	51-66	179
DG3H2007	L	34	76	1	50-66	173
DG3H20363	L	36	77	1	51-65	176
DG3H20402	L	35	75	1	48-66	168
DG3H20408	L	38	78	1	51-67	151
RT7302	L	36	72	1	60-71	185
RT7401	L	35	75	1	58-69	168
XP753	L	35	70	1	56-71	177
RT7321 FP	L	37	69	1	54-70	177
RT7421 FP	L	37	76	1	53-67	168
RT7523 FP	L	34	75	1	58-70	163
RT7331 MA	L	34	69	1	58-72	194
RT7431 MA	L	34	74	1	58-69	172
MM17	M	37	76	1	64-67	145
ProGold M3	M	36	69	1	64-66	147
Taurus	M	35	75	1	65-68	157
RT3202	M	38	75	1	58-70	181
AVERAGE		35	74	1	58-69	160

Rice Farm Furrow-Irrigated Rice

Cultivar	-----Top-----						-----Middle-----					-----Bottom-----				
	Grain Length	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield
	in	in	days	1-9	%	bu/ac	in	days	1-9	%	bu/ac	in	days	1-9	%	bu/ac
DG263L	L	23	84	1	59-72	135	29	83	1	59-71	162	36	83	1	59-72	198
Diamond	L	29	88	1	57-71	123	28	88	1	58-73	140	37	91	1	61-73	219
Ozark	L	29	90	1	55-71	133	28	89	1	60-73	149	35	92	1	65-75	215
ProGold1	L	29	93	1	58-72	121	29	89	1	56-74	129	35	90	1	67-73	209
ProGold2	L	30	90	1	54-73	123	28	92	1	49-72	120	36	90	1	63-72	196
ARoma22	L	32	90	1	57-70	115	28	90	1	63-73	136	35	91	1	60-73	172
CLHA02	L	25	93	1	50-70	117	27	91	1	61-73	136	34	91	1	65-71	182
CLL16	L	29	91	1	49-70	125	28	90	1	54-73	138	35	90	1	62-73	210
CLL18	L	30	88	1	59-72	136	29	90	1	60-73	155	36	91	1	59-70	223
CLL19	L	24	87	1	56-71	128	28	86	1	58-73	150	35	88	1	63-72	196
PVL03	L	27	90	1	55-71	121	28	89	1	59-73	134	31	92	1	66-75	191
PVL04	L	29	90	1	56-69	131	28	89	1	55-71	151	35	90	1	59-71	204
RTv7231 MA	L	27	85	1	49-70	123	31	85	1	52-72	140	35	86	1	60-73	186
DG3H2004	L	28	90	1	48-71	165	30	91	1	50-71	173	34	91	1	62-73	239
DG3H2007	L	28	89	1	51-72	176	29	89	1	45-72	181	38	89	1	56-72	242
DG3H20363	L	29	88	1	44-70	180	27	89	1	47-71	187	36	91	1	58-72	248
DG3H20402	L	29	87	1	40-72	171	29	89	1	46-73	179	36	92	1	57-72	245
DG3H20408	L	30	93	1	51-71	160	29	88	1	50-72	168	38	90	1	55-72	222
RT7302	L	30	90	1	61-75	141	29	89	1	51-72	165	33	91	1	57-73	242
RT7401	L	29	89	1	50-73	161	29	90	1	53-72	161	34	90	1	57-73	234
XP753	L	28	90	1	51-73	156	31	90	1	54-75	177	38	92	1	58-74	236
RT7321 FP	L	27	89	1	43-72	141	27	90	1	49-73	154	38	91	1	61-74	222
RT7421 FP	L	29	90	1	59-73	147	27	89	1	58-74	175	33	90	1	57-73	231
RT7523 FP	L	30	89	1	51-72	144	29	88	1	55-72	152	31	91	1	66-74	218
RT7331 MA	L	26	87	1	47-73	149	27	89	1	49-73	165	35	88	1	62-75	224
RT7431 MA	L	27	88	1	49-70	136	31	89	1	56-74	164	35	89	1	63-73	241
Jupiter	M	28	94	1	70-72	140	30	92	1	67-72	141	33	91	1	69-72	208
ProGold M3	M	27	93	1	68-72	131	30	90	1	67-73	150	31	90	1	67-70	213
Taurus	M	29	92	1	66-74	141	27	90	1	67-75	137	35	91	1	58-71	210
RT3202	M	28	88	1	59-74	144	32	86	1	50-72	161	34	92	1	59-73	235
AVERAGE		28	90	1	54-72	140	29	89	1	55-73	154	35	90	1	61-73	217

Portageville Furrow-Irrigated Rice

Cultivar	-----Top-----						-----Middle-----					-----Bottom-----				
	Grain Length	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield
	in	in	days	1-9	%	bu/ac	in	days	1-9	%	bu/ac	in	days	1-9	%	bu/ac
DG263L	L	24	86	1	59-69	155	25	88	1	61-69	151	27	88	1	62-70	164
Diamond	L	33	92	1	62-73	134	35	95	1	62-72	124	35	97	1	66-73	138
Ozark	L	33	94	1	65-74	141	37	100	1	66-72	135	35	93	1	68-74	160
ProGold1	L	33	94	1	60-72	124	33	97	1	62-72	127	37	93	1	65-73	145
ProGold2	L	33	93	1	59-73	116	33	97	1	59-72	121	37	95	1	64-74	137
ARoma22	L	37	93	1	65-71	106	38	96	1	64-71	96	36	94	1	66-72	114
CLHA02	L	30	94	1	65-73	140	31	93	1	62-71	144	34	94	1	67-73	152
CLL16	L	32	95	1	60-72	123	34	96	1	63-72	139	38	94	1	66-73	153
CLL18	L	34	96	1	65-73	127	35	96	1	66-72	143	36	95	1	66-73	159
CLL19	L	26	92	1	65-73	121	27	92	1	63-71	141	31	90	1	68-74	153
PVL03	L	29	92	1	62-73	121	31	98	1	64-72	125	34	96	1	67-74	143
PVL04	L	31	92	1	67-74	146	31	98	1	66-73	135	33	91	1	68-74	153
RTv7231 MA	L	30	87	1	62-72	144	32	89	1	63-71	146	31	87	1	63-71	155
DG3H2004	L	29	91	1	57-71	174	32	97	1	58-70	179	32	93	1	61-71	182
DG3H2007	L	31	93	1	54-71	177	32	94	1	57-70	190	34	91	1	57-71	209
DG3H20363	L	31	91	1	59-71	179	32	94	1	58-70	187	34	90	1	62-72	202
DG3H20402	L	31	92	1	54-72	189	31	94	1	55-70	181	35	90	1	58-72	211
DG3H20408	L	33	94	1	54-73	160	34	98	1	52-70	172	37	95	1	56-72	183
RT7302	L	32	94	1	62-74	180	33	93	1	62-72	185	34	94	1	64-73	196
RT7401	L	29	93	1	64-73	169	32	94	1	65-72	167	33	93	1	65-73	183
XP753	L	31	94	1	61-74	164	32	93	1	64-73	180	34	91	1	63-74	186
RT7321 FP	L	31	91	1	56-73	178	35	93	1	61-72	187	32	90	1	56-72	181
RT7421 FP	L	33	92	1	62-73	164	35	97	1	63-72	167	35	95	1	63-73	185
RT7523 FP	L	32	93	1	63-73	154	33	93	1	61-71	162	36	91	1	65-73	183
RT7331 MA	L	33	92	1	63-75	181	33	92	1	64-73	180	34	89	1	65-74	188
RT7431 MA	L	31	91	1	62-74	164	32	93	1	65-73	173	32	93	1	66-73	180
Jupiter	M	34	94	1	65-73	139	32	97	1	65-70	142	37	93	1	67-71	148
ProGold M3	M	31	94	1	68-73	146	29	95	1	64-70	145	32	92	1	67-72	170
RT3202	M	33	90	1	68-73	187	32	89	1	66-72	177	34	89	1	68-72	194
Taurus	M	31	93	1	63-73	142	30	92	1	61-71	152	33	88	1	64-73	170
AVERAGE		31	92	1	62-73	152	32	94	1	62-71	155	34	92	1	64-73	169

Rives Furrow-Irrigated Rice

Cultivar	-----Top-----						-----Middle-----					-----Bottom-----				
	Grain Length	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield	Canopy Height	Days to Heading	Lodging	Milling Yield	Grain Yield
	in	days	1-9	%	bu/ac		in	days	1-9	%	bu/ac	in	days	1-9	%	bu/ac
DG263L	L	21	N/A	4	30-69	140	32	N/A	6	45-71	168	35	N/A	5	52-71	167
Diamond	L	30	N/A	5	42-71	124	N/A	N/A	8	45-73	139	34	N/A	6	53-72	160
Ozark	L	31	N/A	3	48-72	114	29	N/A	6	53-73	167	34	N/A	4	61-73	181
ProGold1	L	30	N/A	2	42-71	119	34	N/A	4	55-72	149	34	N/A	5	61-73	173
ProGold2	L	30	N/A	4	42-72	87	35	N/A	7	50-74	127	36	N/A	6	57-73	162
ARoma22	L	34	N/A	4	54-71	105	28	N/A	2	57-72	128	32	N/A	2	64-73	138
CLHA02	L	27	N/A	6	43-71	108	30	N/A	2	57-73	148	35	N/A	1	60-71	166
CLL16	L	30	N/A	3	42-71	120	29	N/A	5	50-73	145	29	N/A	5	56-73	143
CLL18	L	28	N/A	7	31-71	135	33	N/A	8	44-72	163	35	N/A	7	57-71	132
CLL19	L	24	N/A	4	47-71	116	34	N/A	2	60-74	146	34	N/A	5	60-72	154
PVL03	L	31	N/A	1	43-70	130	32	N/A	1	60-74	156	32	N/A	1	62-73	165
PVL04	L	27	N/A	2	55-72	94	N/A	N/A	1	62-74	164	34	N/A	1	62-73	174
RTv7231 MA	L	26	N/A	5	27-72	130	26	N/A	8	36-71	146	34	N/A	7	46-69	133
DG3H2004	L	27	N/A	6	31-72	118	33	N/A	7	36-71	167	33	N/A	7	50-72	202
DG3H2007	L	26	N/A	6	21-70	132	33	N/A	8	35-73	142	34	N/A	7	42-71	170
DG3H20363	L	30	N/A	7	33-70	126	N/A	N/A	7	49-72	185	37	N/A	8	47-71	163
DG3H20402	L	27	N/A	6	32-70	136	32	N/A	7	37-72	140	36	N/A	6	43-71	195
DG3H20408	L	30	N/A	3	30-70	148	33	N/A	6	32-71	161	33	N/A	7	39-73	190
RT7302	L	N/A	N/A	8	32-71	130	36	N/A	8	40-72	174	34	N/A	7	48-73	210
RT7401	L	N/A	N/A	8	30-71	144	29	N/A	8	31-71	182	35	N/A	7	44-71	173
XP753	L	N/A	N/A	8	30-72	118	31	N/A	6	39-74	162	36	N/A	2	51-74	202
RT7321 FP	L	N/A	N/A	8	29-71	112	N/A	N/A	8	33-73	149	N/A	N/A	8	42-72	184
RT7421 FP	L	N/A	N/A	8	30-72	130	28	N/A	7	44-73	159	34	N/A	7	51-72	181
RT7523 FP	L	N/A	N/A	8	30-72	113	30	N/A	8	37-73	157	32	N/A	7	38-71	177
RT7331 MA	L	N/A	N/A	8	31-73	122	32	N/A	6	47-73	184	32	N/A	6	45-74	199
RT7431 MA	L	N/A	N/A	8	23-72	123	32	N/A	7	41-73	185	36	N/A	8	44-71	195
Jupiter	M	28	N/A	4	59-69	109	26	N/A	4	63-72	150	32	N/A	6	50-70	136
ProGold M3	M	25	N/A	6	49-71	102	N/A	N/A	5	60-73	172	35	N/A	5	63-73	154
RT3202	M	24	N/A	6	33-73	107	31	N/A	7	55-73	151	35	N/A	8	60-72	165
Taurus	M	N/A	N/A	8	26-72	124	34	N/A	6	37-72	154	35	N/A	8	55-73	181
AVERAGE		28	N/A	6	36-71	121	31	N/A	6	46-72	157	34	N/A	6	52-72	171

2023 Missouri Cultivar Trial Averages

Cultivar	Flood Rice/Planting Date Trials*					Furrow-Irrigated Rice**			
	Grain Length	Canopy Height	Days to Heading	Grain Yield	Milling Yield	Canopy Height	Days to Heading	Grain Yield	Milling Yield
		in	days	bu/ac	%	in	days	bu/ac	%
DG263L	L	33	85	187	58-69	28	85	159	54-70
Diamond	L	37	90	178	62-71	33	92	142	56-72
Ozark	L	36	90	184	63-72	32	93	153	60-73
ProGold1	L	36	93	172	62-71	33	93	141	58-72
ProGold2	L	37	92	160	63-72	33	93	130	55-73
ARoma22	L	38	90	151	63-71	34	92	122	61-72
CLHA02	L	33	90	169	64-71	30	93	142	59-72
CLL16	L	37	93	177	61-71	32	93	142	56-72
CLL18	L	37	91	186	60-70	33	93	150	56-72
CLL19	L	31	87	166	62-71	29	89	143	60-72
PVLO3	L	35	92	155	64-72	30	93	141	60-73
PVLO4	L	33	92	173	60-70	31	92	146	61-72
RTv7231 MA	L	34	84	165	58-70	30	86	144	51-71
RT7302	L	36	88	219	60-71	32	92	178	53-73
RT7401	L	35	89	201	58-71	31	92	174	51-72
XP753	L	36	87	206	58-72	32	92	173	52-74
RT7321 FP	L	37	85	196	58-71	32	91	165	48-72
RT7421 FP	L	37	89	199	57-70	32	92	169	54-73
RT7523 FP	L	36	89	201	59-71	31	91	160	52-72
RT7331 MA	L	36	86	205	58-72	31	90	175	53-74
RT7431 MA	L	35	89	198	59-71	31	91	171	52-72
Jupiter	M	-	-	-	-	32	94	144	64-71
MM17	M	35	93	167	66-70	-	-	-	-
ProGold M3	M	33	93	175	64-70	30	92	151	64-72
RT3202	M	35	89	180	65-71	30	91	151	60-73
Taurus	M	36	84	198	61-71	32	89	171	53-73
AVERAGE		35	89	183	61-71	31	91	154	56-72

*Average of all trials planted from March 15 to June 13

**Average of top, middle, and bottom sections

2023 Missouri Rice Seeding Rate Trials

Flood-Irrigated and Furrow-Irrigated Production Systems

Conducted by the
University of Missouri Rice Agronomy Program

Funding and support provided by the
Missouri Rice Research and Merchandising Council

By J.L. Chlapecka, M. Johnson, L. Rhodes, C. Hunt



University of Missouri

Rice Agronomy

Table of Contents

Agronomic Information	3
Trial Averages	4
Flood-Irrigated Rice Grain Yield.....	4
Furrow-Irrigated Rice Grain Yield	6
Site-Specific Trial Data	8
Rice Farm Flood-Irrigated Seeding Rate x Planting Date.....	8
Portageville Flood-Irrigated Seeding Rate x Planting Date	10
Rice Farm Furrow-Irrigated	12
Portageville Furrow-Irrigated	14
Rives Furrow-Irrigated.....	16
Summary	18

2023 Missouri Rice Seeding Rate Trials

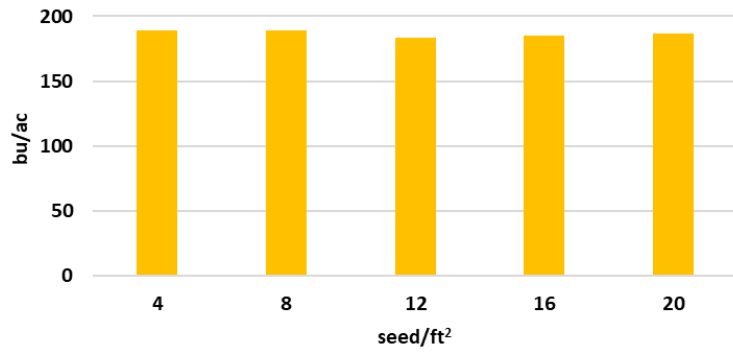
Site	Nearest Town	Planting Date	Emergence Date	Flood Date	Harvest Date	Soil Type	Location Info	Water Management	N Management	N Rate (lbs N/ac)
MRRMC Early	Glennonville, Dunklin County	March 15	April 13	May 26	September 13	Silt Loam	Research Station	Flood	Single Pre-flood	130
MRRMC Normal	Glennonville, Dunklin County	April 20	May 3	May 26	September 13	Silt Loam	Research Station	Flood	Single Pre-flood	130
MRRMC Late	Glennonville, Dunklin County	June 6	June 12	July 8	October 24	Silt Loam	Research Station	Flood	Single Pre-flood	130
FDRC Early	Portageville, Pemiscot County	March 16	April 10	May 23	September 7	Clay	Research Station	Flood	Single Pre-flood	150
FDRC Normal	Portageville, Pemiscot County	April 19	May 1	May 30	September 15	Clay	Research Station	Flood	Single Pre-flood	150
FDRC Late	Portageville, Pemiscot County	June 13	June 21	July 10	October 23	Clay	Research Station	Flood	Single Pre-flood	150
FDRC Clay	Portageville, Pemiscot County	May 1	May 20	June 15	October 4	Clay	Research Station	Flood	Single Pre-flood	150
MRRMC FIR Top	Glennonville, Dunklin County	April 11	May 1	May 31	September 19	Silt Loam	Research Station	Non-Flood	3-way split	138
MRRMC FIR Middle	Glennonville, Dunklin County	April 11	May 1	May 31	September 19	Silt Loam	Research Station	Muddy	3-way split	138
MRRMC FIR Bottom	Glennonville, Dunklin County	April 11	May 1	May 31	September 19	Silt Loam	Research Station	Flood	3-way split	138
FDRC FIR Top	Portageville, Pemiscot County	April 13	May 3	May 31	September 20	Clay	Research Station	Non-Flood	3-way split	196
FDRC FIR Middle	Portageville, Pemiscot County	April 13	May 3	May 31	September 20	Clay	Research Station	Muddy	3-way split	196
FDRC FIR Bottom	Portageville, Pemiscot County	April 13	May 3	May 31	September 20	Clay	Research Station	Flood	3-way split	196
Rives FIR Top	Portageville, Pemiscot County	April 12	N/A	N/A	September 26	Clay	On-Farm	Non-Flood	3-way split	196
Rives FIR Middle	Portageville, Pemiscot County	April 12	N/A	N/A	September 26	Clay	On-Farm	Muddy	3-way split	196
Rives FIR Bottom	Portageville, Pemiscot County	April 12	N/A	N/A	September 26	Clay	On-Farm	Flood	3-way split	196

Materials & Methods: Seeding rate trials were planted in flood-irrigated rice on two sites, Portageville (FDRC) and the Rice Farm (MRRMC) and at three planting dates, early, normal and late planted. Furrow-irrigated trials were planted within the “normal” planting window at three sites, FDRC, MRRMC, and Rives (on-farm) and within three areas of the field, top, middle, and bottom. One hybrid cultivar was utilized, RT7421 FP, and was planted at 4, 8, 12, 16, and 20 seed/ft². Three inbred varieties were also planted, CLL18, Ozark, and DG263L at 10, 20, 30, 40, and 50 seed/ft². Due to seed size differences, the equivalent seeding rate in pounds per acre is included for each treatment in the data tables on the following pages.

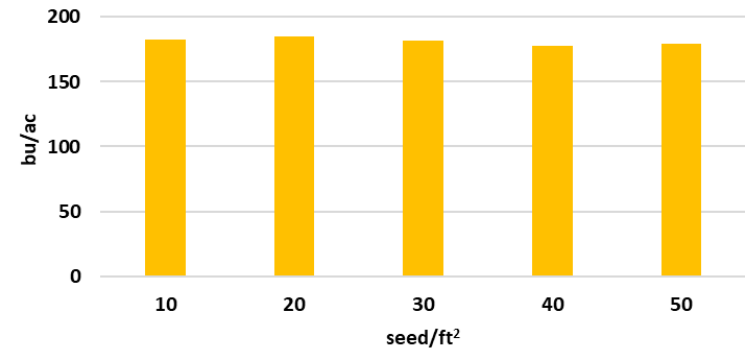
2023 Missouri Flood Rice Seeding Rate Studies

Cultivar	Seeding Rate		mid-March		mid-April		early June		AVERAGE	
	seed/ft ²	lb/ac	Stand	Yield	Stand	Yield	Stand	Yield	Stand	Yield
RT7421 FP	4	9	3	214	3	214	3	139	3	189
RT7421 FP	8	19	5	200	6	210	5	158	6	189
RT7421 FP	12	28	5	187	8	198	7	166	6	184
RT7421 FP	16	37	6	178	10	209	9	167	8	185
RT7421 FP	20	46	7	193	9	202	11	165	9	187
Ozark	10	24	6	194	8	206	7	163	7	187
Ozark	20	48	6	194	9	201	11	174	9	189
Ozark	30	71	9	185	16	188	15	171	14	181
Ozark	40	95	10	185	19	182	15	171	15	179
Ozark	50	119	12	175	23	167	18	170	18	171
DG263L	10	24	9	195	8	205	8	147	9	182
DG263L	20	49	10	189	11	208	11	157	11	185
DG263L	30	73	14	177	13	211	15	157	14	182
DG263L	40	98	15	173	18	205	17	155	16	178
DG263L	50	122	17	184	21	201	16	153	18	179
CLL18	10	23	8	204	8	199	7	143	8	182
CLL18	20	45	9	182	13	211	9	153	10	182
CLL18	30	68	14	183	16	191	15	150	15	175
CLL18	40	91	17	186	17	190	18	156	18	177
CLL18	50	114	17	169	18	182	21	152	19	168
AVERAGE			10	187	13	199	12	158	12	182

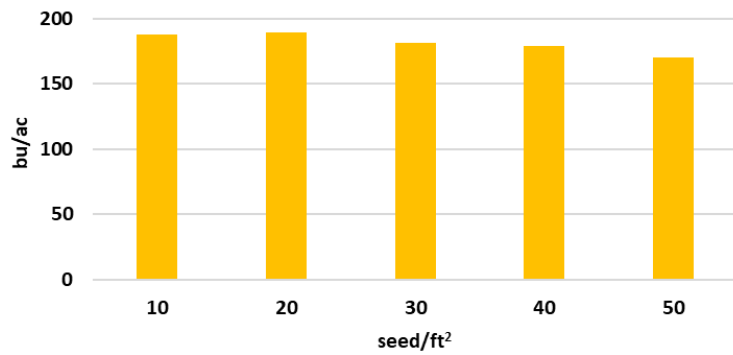
RT7421 FP



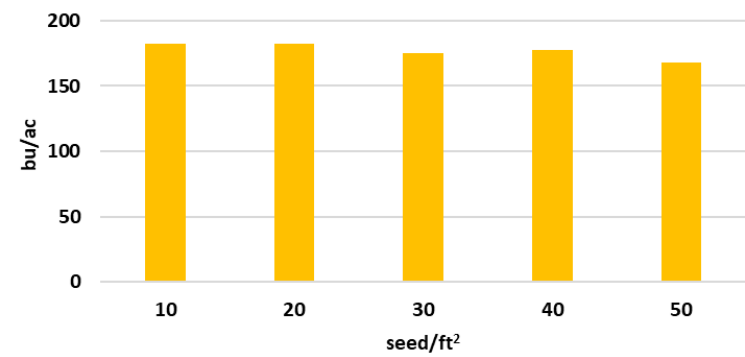
DG263L



Ozark



CLL18

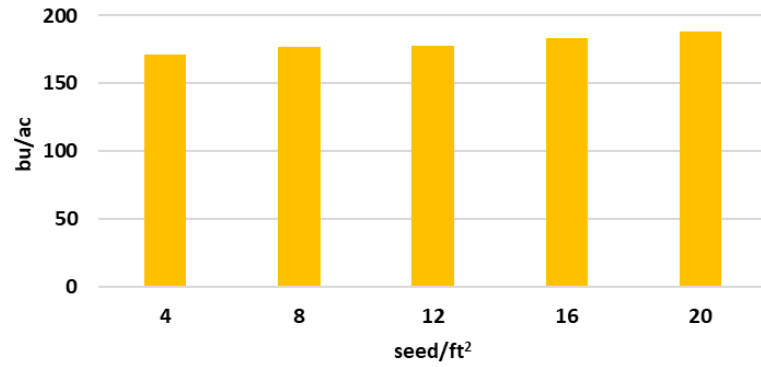


2023 Missouri Furrow-Irrigated Rice Seeding Rate Studies

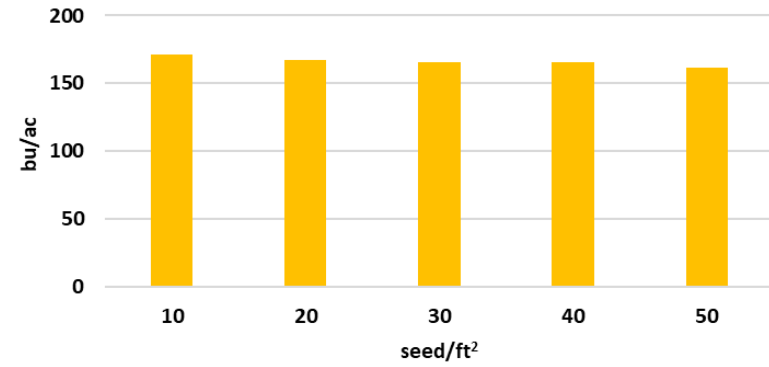
Cultivar	Seeding Rate		Top		Middle		Bottom		AVERAGE	
	seed/ft ²	lb/ac	Stand	Yield	Stand	Yield	Stand	Yield	Stand	Yield
RT7421 FP	4	9	2	147	3	170	4	196	3	171
RT7421 FP	8	19	4	157	5	176	11	197	7	177
RT7421 FP	12	28	7	160	8	181	11	193	9	178
RT7421 FP	16	37	8	164	10	183	10	203	9	183
RT7421 FP	20	46	7	176	11	198	11	191	10	188
Ozark	10	24	5	136	7	162	7	181	6	159
Ozark	20	48	9	143	11	166	9	182	10	163
Ozark	30	71	12	133	18	172	12	177	14	160
Ozark	40	95	16	139	19	169	16	184	17	164
Ozark	50	119	17	132	20	173	17	170	18	158
DG263L	10	24	6	152	7	178	9	183	7	171
DG263L	20	49	9	147	11	173	11	181	11	167
DG263L	30	73	13	149	15	167	13	179	14	165
DG263L	40	98	17	146	20	173	17	177	18	165
DG263L	50	122	19	149	22	169	16	167	19	162
CLL18	10	23	6	123	8	171	6	178	7	157
CLL18	20	45	9	130	11	174	13	180	11	161
CLL18	30	68	14	138	15	181	12	185	14	168
CLL18	40	91	15	134	17	169	17	175	16	159
CLL18	50	114	17	147	21	175	16	178	18	167
AVERAGE			11	145	13	174	12	183	12	167

* Furrow-irrigated rice trials were planted at Glennonville on April 11, Rives on April 12, and Portageville on April 13.

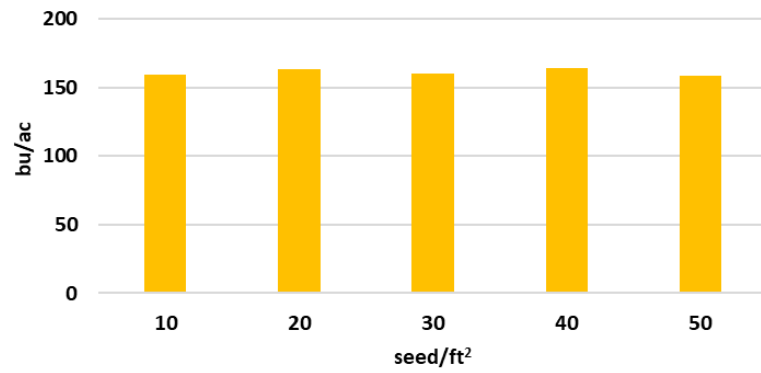
RT7421 FP



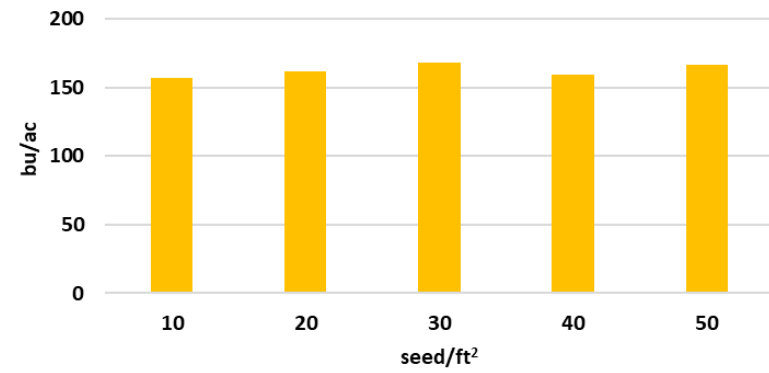
DG263L



Ozark



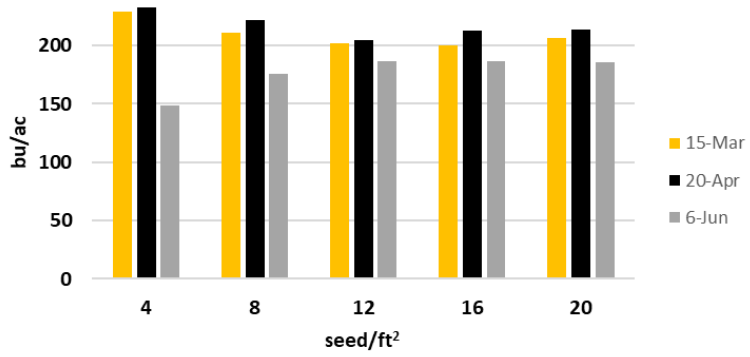
CLL18



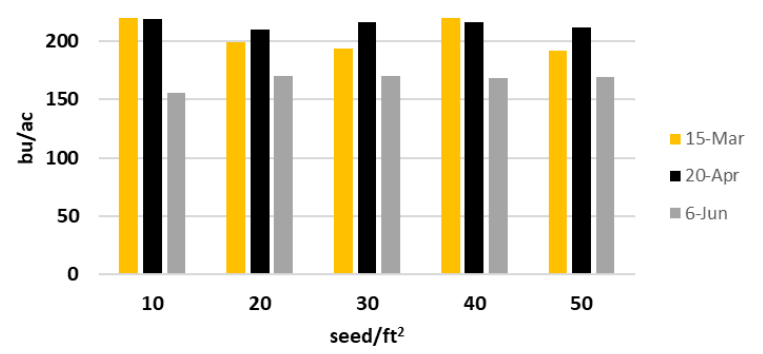
2023 Rice Farm Flood Rice Seed Rate x Plant Date Study

Cultivar	Seeding Rate		15-Mar			20-Apr			6-Jun		
	seed/ft ²	lb/ac	Stand	Lodging	Yield	Stand	Lodging	Yield	Stand	Lodging	Yield
	seed/ft ²	lb/ac	seed/ft ²	1-9	bu/ac	seed/ft ²	1-9	bu/ac	seed/ft ²	1-9	bu/ac
RT7421 FP	4	9	5	1	229	3	1	233	-	1	149
RT7421 FP	8	19	9	1	211	7	1	222	-	1	175
RT7421 FP	12	28	6	1	202	10	1	205	-	1	186
RT7421 FP	16	37	8	1	200	11	1	213	-	1	186
RT7421 FP	20	46	10	1	207	8	1	214	-	1	185
Ozark	10	24	8	1	218	8	1	219	-	1	176
Ozark	20	48	6	1	196	12	1	224	-	1	189
Ozark	30	71	8	1	205	17	1	202	-	1	184
Ozark	40	95	6	1	199	20	1	196	-	1	182
Ozark	50	119	11	1	161	26	1	188	-	1	181
DG263L	10	24	14	1	220	9	1	219	-	1	156
DG263L	20	49	11	1	199	11	1	210	-	1	170
DG263L	30	73	15	1	194	14	1	216	-	1	170
DG263L	40	98	12	1	220	20	1	216	-	1	169
DG263L	50	122	11	1	192	21	1	212	-	1	170
CLL18	10	23	12	1	226	7	1	217	-	1	158
CLL18	20	45	8	1	180	11	1	223	-	1	173
CLL18	30	68	12	1	203	14	1	212	-	1	168
CLL18	40	91	15	1	195	14	1	206	-	1	177
CLL18	50	114	13	1	175	15	1	201	-	1	172
AVERAGE			10	1	202	13	1	212	-	1	174

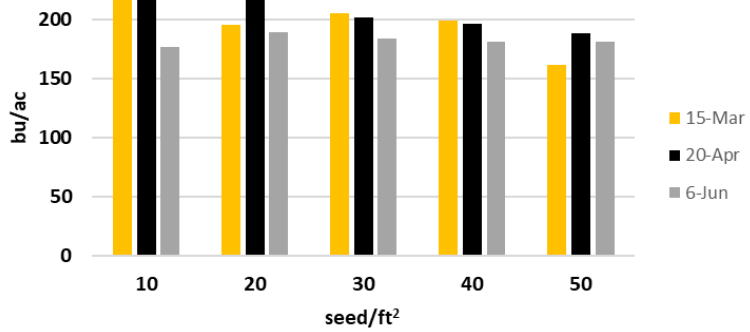
RT7421 FP



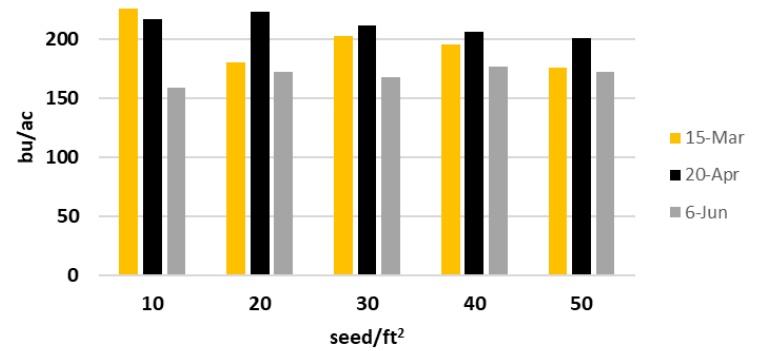
DG263L



Ozark



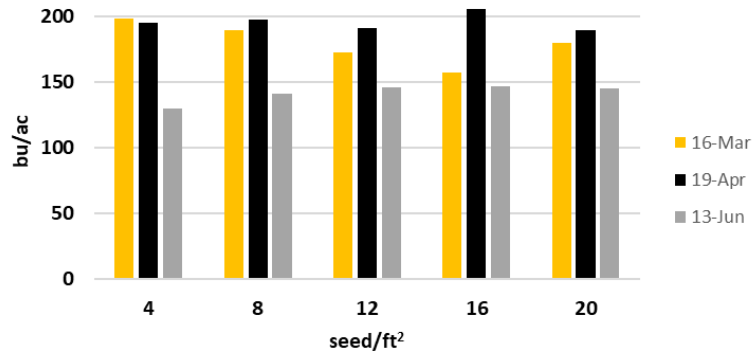
CLL18



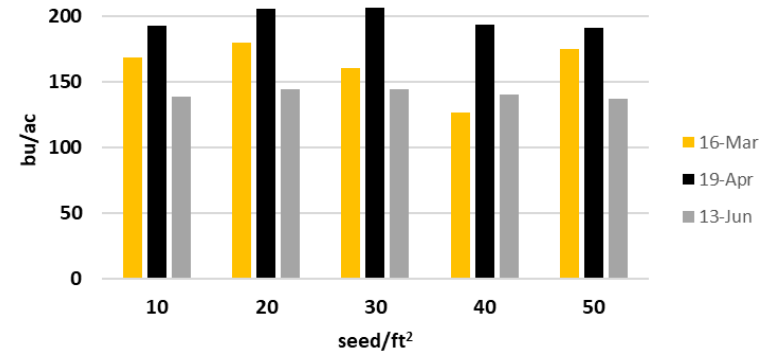
2023 Portageville Flood Rice Seed Rate x Plant Date Study

Cultivar	Seeding Rate		16-Mar			19-Apr			13-Jun		
	seed/ft ²	lb/ac	Stand	Lodging	Yield	Stand	Lodging	Yield	Stand	Lodging	Yield
	seed/ft ²	lb/ac	seed/ft ²	1-9	bu/ac	seed/ft ²	1-9	bu/ac	seed/ft ²	1-9	bu/ac
RT7421 FP	4	9	1	1	198	3	1	195	3	1	130
RT7421 FP	8	19	2	3	190	6	2	197	5	1	141
RT7421 FP	12	28	3	1	173	5	2	191	7	1	146
RT7421 FP	16	37	4	6	157	9	2	206	9	1	147
RT7421 FP	20	46	5	4	179	11	3	189	11	1	145
Ozark	10	24	3	3	170	7	2	193	7	1	149
Ozark	20	48	7	1	192	7	3	177	11	1	160
Ozark	30	71	10	4	166	16	1	174	15	1	158
Ozark	40	95	13	4	172	19	3	168	15	1	160
Ozark	50	119	12	1	189	20	4	145	18	1	159
DG263L	10	24	5	3	169	8	1	192	8	1	139
DG263L	20	49	10	3	179	11	1	206	11	1	144
DG263L	30	73	13	2	161	12	1	206	15	1	144
DG263L	40	98	18	6	127	15	1	194	17	1	141
DG263L	50	122	23	1	175	22	2	191	16	1	137
CLL18	10	23	5	2	183	8	3	182	7	1	127
CLL18	20	45	9	1	183	15	1	199	9	1	134
CLL18	30	68	16	5	164	18	5	170	15	1	133
CLL18	40	91	19	2	177	20	3	174	18	1	134
CLL18	50	114	21	5	162	21	4	163	21	1	132
AVERAGE			10	3	173	13	2	186	12	1	143

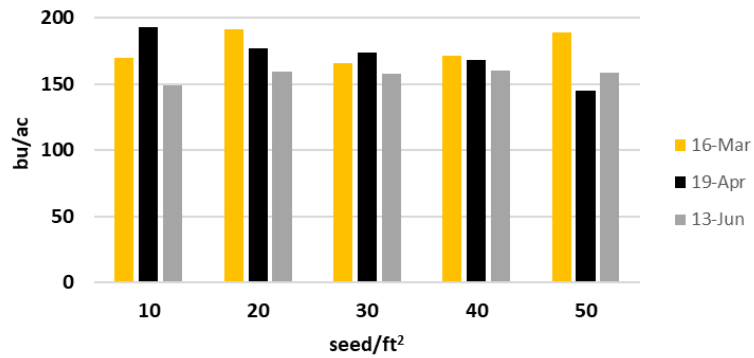
RT7421 FP



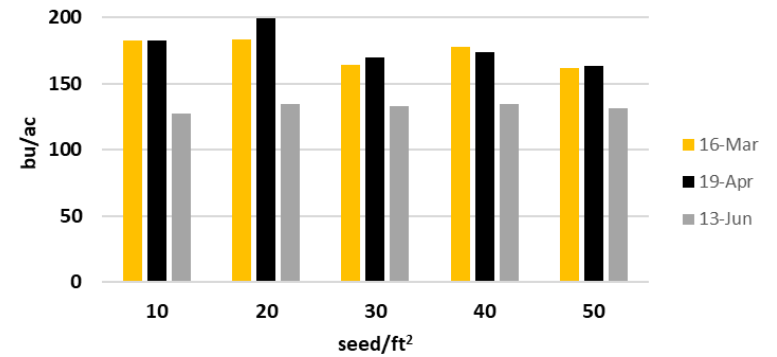
DG263L



Ozark



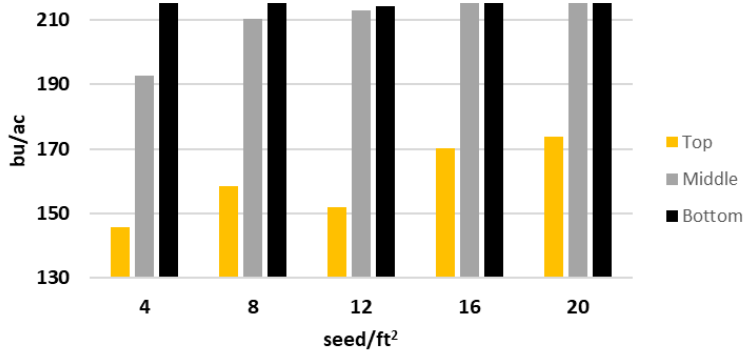
CLL18



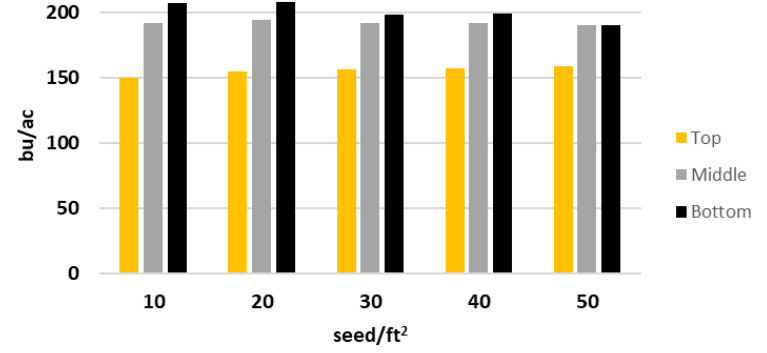
2023 Rice Farm Furrow-Irrigated Rice Seed Rate Study

Cultivar	Seeding Rate		Top			Middle			Bottom		
	seed/ft ²	lb/ac	Stand seed/ft ²	Yield bu/ac	Milling HR-TR	Stand seed/ft ²	Yield bu/ac	Milling HR-TR	Stand seed/ft ²	Yield bu/ac	Milling HR-TR
RT7421 FP	4	9	2	146	60-74	3	193	61-74	3	229	63-74
RT7421 FP	8	19	4	159	56-74	7	210	59-74	12	217	63-73
RT7421 FP	12	28	9	152	54-73	11	213	61-74	13	214	64-75
RT7421 FP	16	37	9	170	58-74	9	216	63-74	10	225	66-74
RT7421 FP	20	46	8	174	55-72	11	223	62-73	12	216	64-74
Ozark	10	24	5	139	64-74	9	183	68-75	7	193	69-75
Ozark	20	48	9	135	63-73	13	191	71-77	12	202	67-74
Ozark	30	71	10	145	62-72	21	198	70-77	14	203	68-75
Ozark	40	95	16	142	61-72	23	196	69-75	21	205	68-75
Ozark	50	119	18	141	66-76	27	199	71-77	24	201	66-74
DG263L	10	24	7	149	60-72	7	192	61-70	8	207	64-71
DG263L	20	49	11	155	58-71	16	194	64-73	12	208	64-72
DG263L	30	73	13	156	58-72	16	192	59-72	19	198	65-72
DG263L	40	98	20	157	56-71	23	192	59-72	20	199	64-73
DG263L	50	122	19	159	58-73	24	190	59-70	25	190	63-72
CLL18	10	23	6	133	64-74	8	204	63-71	8	214	64-73
CLL18	20	45	12	144	61-73	13	206	61-72	12	225	62-72
CLL18	30	68	15	148	60-72	20	211	61-73	15	220	65-72
CLL18	40	91	17	150	59-72	23	213	61-71	25	224	64-72
CLL18	50	114	17	156	59-72	29	214	61-73	27	221	63-72
AVERAGE			11	150	60-73	16	201	63-73	15	210	65-73

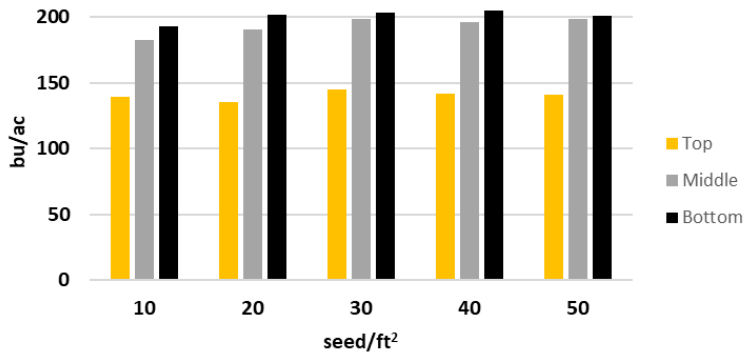
RT7421 FP



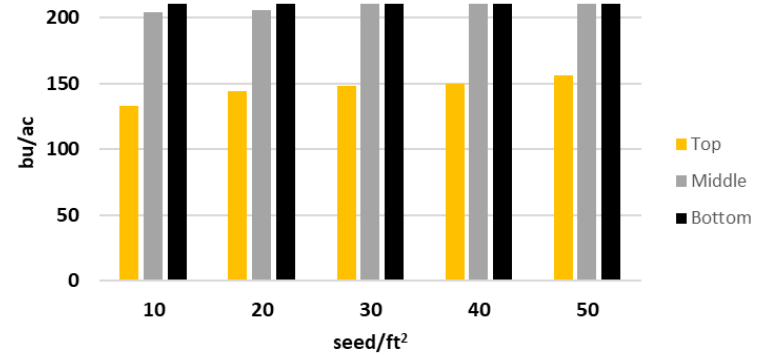
DG263L



Ozark



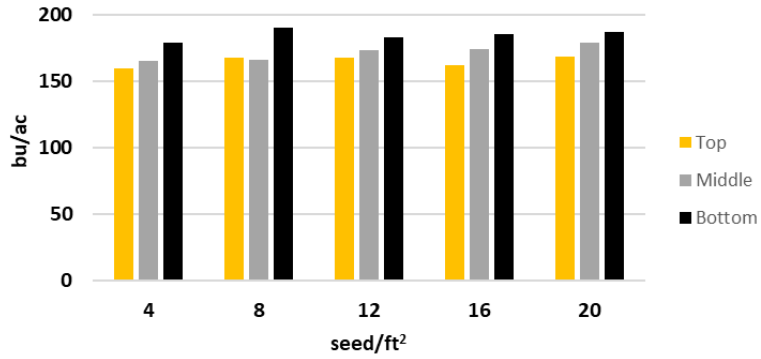
CLL18



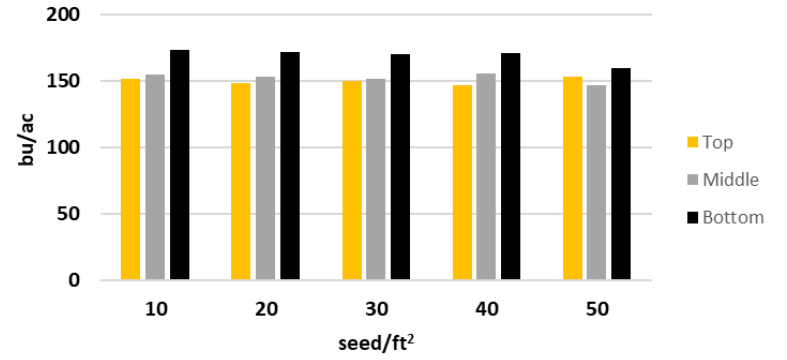
2023 Portageville Furrow-Irrigated Rice Seed Rate Study

Cultivar	Seeding Rate		Top			Middle			Bottom		
	seed/ft ²	lb/ac	Stand seed/ft ²	Yield bu/ac	Milling HR-TR	Stand seed/ft ²	Yield bu/ac	Milling HR-TR	Stand seed/ft ²	Yield bu/ac	Milling HR-TR
RT7421 FP	4	9	2	159	64-73	2	166	64-74	2	179	64-74
RT7421 FP	8	19	4	168	65-73	4	166	65-74	4	190	64-75
RT7421 FP	12	28	5	168	64-73	7	173	66-74	5	183	63-74
RT7421 FP	16	37	8	162	64-72	12	174	65-74	7	186	61-74
RT7421 FP	20	46	6	168	62-72	13	179	63-73	9	187	62-74
Ozark	10	24	5	130	65-73	7	134	68-75	5	161	66-74
Ozark	20	48	7	138	66-73	8	137	68-74	6	157	68-76
Ozark	30	71	10	132	66-74	13	145	67-74	9	157	63-73
Ozark	40	95	14	132	65-72	16	145	68-74	13	168	67-75
Ozark	50	119	13	136	67-74	16	142	67-74	11	160	68-76
DG263L	10	24	5	151	61-71	6	154	58-71	7	173	63-74
DG263L	20	49	8	149	59-70	11	153	58-71	11	171	61-73
DG263L	30	73	11	150	58-71	14	152	59-71	11	170	61-72
DG263L	40	98	13	147	57-70	17	156	58-71	16	170	58-73
DG263L	50	122	14	153	58-71	18	146	58-71	12	159	61-72
CLL18	10	23	7	128	65-73	6	141	66-73	5	163	64-74
CLL18	20	45	7	138	65-72	10	140	67-74	10	164	67-74
CLL18	30	68	13	144	66-73	13	144	67-74	10	164	68-75
CLL18	40	91	11	128	64-72	13	145	67-74	11	167	66-74
CLL18	50	114	14	142	65-73	19	143	68-74	15	165	67-75
AVERAGE			9	146	63-72	11	152	64-73	9	170	64-74

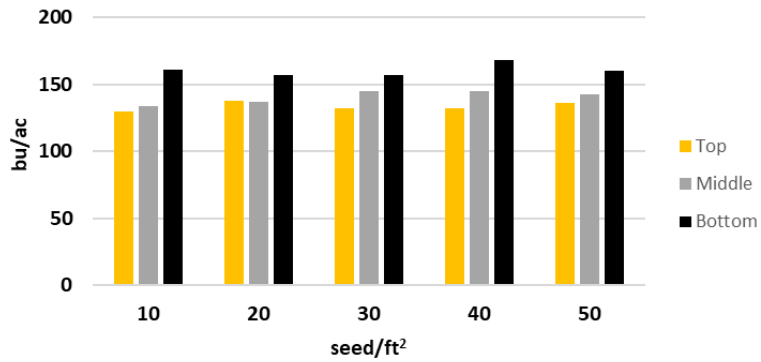
RT7421 FP



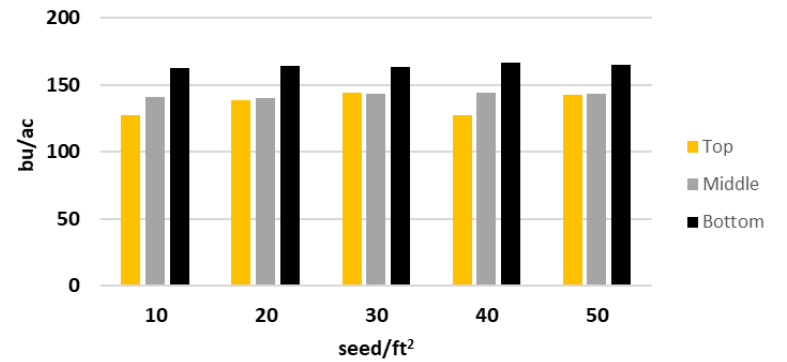
DG263L



Ozark



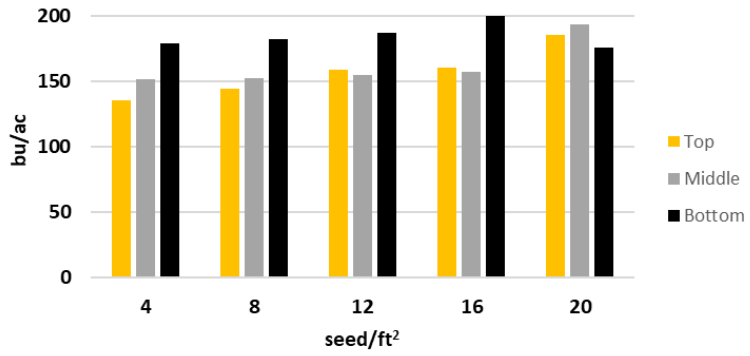
CLL18



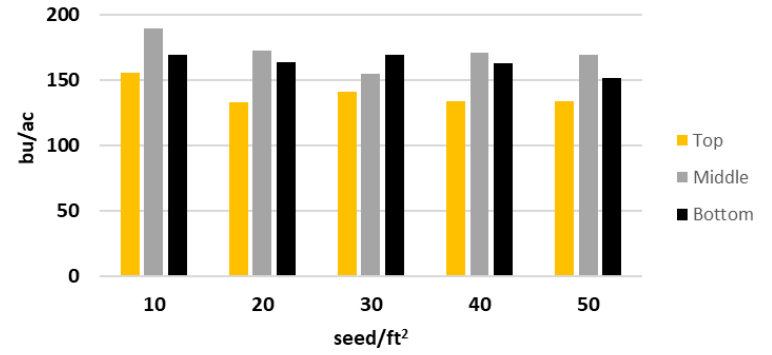
2023 Rives Furrow-Irrigated Rice Seed Rate Study

Cultivar	Seeding Rate		Top				Middle				Bottom			
	seed/ft ²	lb/ac	Stand	Yield	Lodging	Milling	Stand	Yield	Lodging	Milling	Stand	Yield	Lodging	Milling
RT7421 FP	4	9	2	136	7	36-69	4	152	6	43-70	9	179	3	51-71
RT7421 FP	8	19	5	144	7	30-67	6	153	6	53-71	17	182	4	50-71
RT7421 FP	12	28	8	159	7	42-70	6	155	8	45-70	16	187	4	49-71
RT7421 FP	16	37	8	161	7	42-70	9	157	6	48-71	12	200	6	50-72
RT7421 FP	20	46	9	185	8	39-70	10	193	6	41-71	14	176	6	50-71
Ozark	10	24	5	136	2	59-72	4	169	7	62-73	10	187	1	61-70
Ozark	20	48	11	154	3	36-70	13	170	6	51-71	10	186	1	63-73
Ozark	30	71	16	121	5	55-72	20	172	7	61-73	12	178	2	62-73
Ozark	40	95	19	142	4	39-69	18	165	7	60-72	12	179	3	62-73
Ozark	50	119	20	118	5	56-71	20	177	6	60-73	17	149	6	60-72
DG263L	10	24	7	155	4	40-69	9	189	8	47-69	12	169	3	54-71
DG263L	20	49	9	133	7	23-65	5	173	7	43-68	11	163	2	48-69
DG263L	30	73	15	141	6	36-67	14	155	6	40-67	10	169	3	53-70
DG263L	40	98	19	134	6	37-68	20	171	8	42-68	15	163	5	51-69
DG263L	50	122	23	134	6	30-66	23	169	5	41-68	12	151	4	49-68
CLL18	10	23	5	104	7	51-69	11	165	7	58-73	6	156	3	56-70
CLL18	20	45	9	109	7	42-69	8	175	5	55-71	19	151	7	58-71
CLL18	30	68	14	122	8	42-70	13	188	7	51-71	12	166	7	56-70
CLL18	40	91	18	124	7	45-68	15	148	7	54-71	14	135	7	55-70
CLL18	50	114	21	141	7	52-70	16	169	7	51-69	6	148	6	54-69
AVERAGE			12	138	6	42-69	12	168	7	50-71	12	169	4	55-71

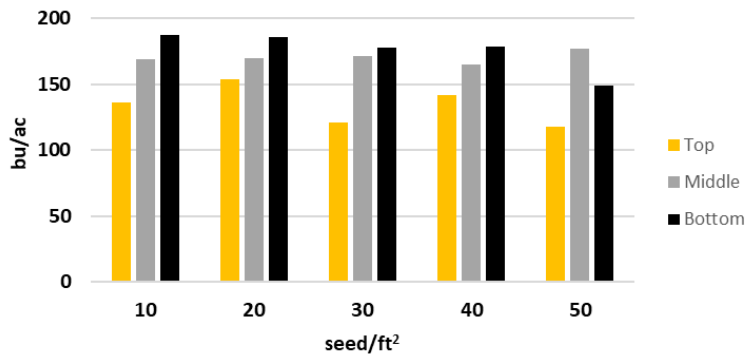
RT7421 FP



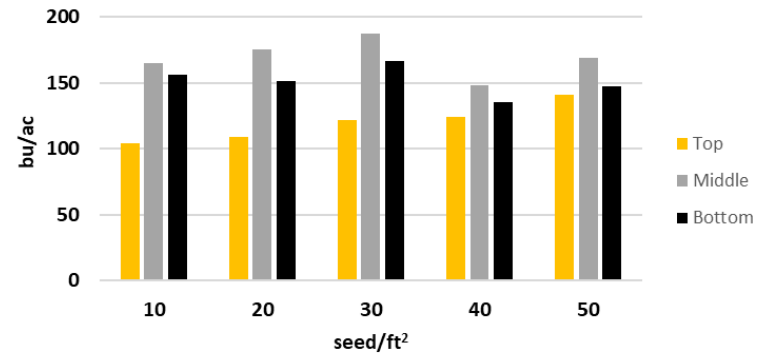
DG263L



Ozark



CLL18



Results:

Flood-Irrigated Rice: Results from the seeding rate studies suggest that seeding rate could potentially be lowered while maintaining yield potential. We've known all along that with modern-day cultivars and seeding equipment, seeding rate can likely be lowered. The reason seeding rate recommendations remain where they are (around 60 lbs/acre for most varieties and 23 lbs/acre for hybrids) is due to variability across a field as well as among rice drills, whereas an optimal stand will not always be achieved. Keep in mind that these studies are on a small-plot basis, where plots are just over 100 square feet as opposed to acres. Last year's data did not show that we could bump the seeding rate down as low on some cultivars. This does show that the seeding rate can be bumped down in certain situations without loss of yield.0110

Furrow-Irrigated Rice: Furrow-irrigated rice results suggest for the second year in a row that areas of the field where water is not backed up (upper ½ to 2/3) may benefit from an increased seeding rate. For the hybrid, RT7421 FP, an average of 1.6 bushels per acre were gained for every additional seed per square foot over 4 in the upper 2/3 of the field. For comparison, that's an additional 7 bushels per acre for every additional 10 pounds per acre seeding rate. There were mixed results for inbred varieties. CLL18 benefited from increasing the seeding rate up to near 70 pounds per acre, while DG263L and Ozark yields were not heavily influenced by a higher seeding rate. In fact, DG263L yield decreased with higher seeding rates in the lower end of the field.