

Missouri Rice Research and Merchandising Council

2018 Missouri Variety Trial Data

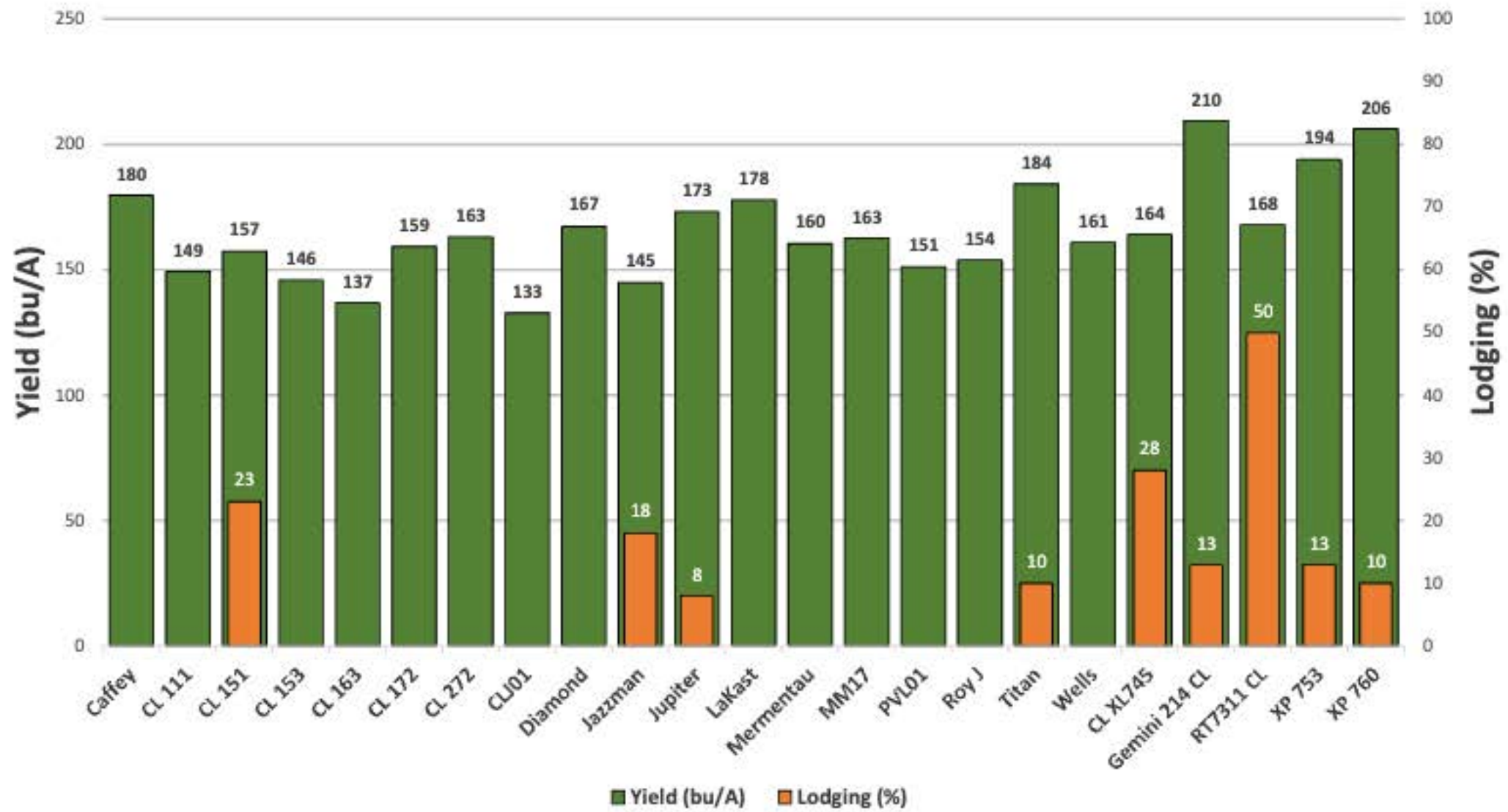
Variety	Yield (bu/A)										Lodging (%)											
	Glennonville, MO		Neelyville, MO		Rives, MO		Canalou, MO		AVG	Glennonville, MO		Neelyville, MO		Rives, MO		Canalou, MO		AVG				
	Early	Late	Early	Late	Early	Late	Early	Late		Early	Late	Early	Late	Early	Late	Early	Late					
Caffey ⁵	232	bc	185	c-g	166	bcd	114	a-d	180	abc	175	0	d	43	bc	0	c	0	b	0	b	9
CL 111 ²⁰	176	hi	153	fg	129	cde	70	cd	149	cde	135	0	d	24	bc	5	c	10	ab	0	b	8
CL 151 ¹⁷	195	fg	-	-	141	b-e	87	a-d	157	b-e	145	3	d	88	a	20	bc	5	b	23	ab	28
CL 153 ¹⁹	191	fgh	157	fg	122	def	86	a-d	146	cde	140	0	d	0	c	28	abc	0	b	0	b	6
CL 163 ²³	182	ghi	162	efg	91	f	88	a-d	137	de	132	8	d	11	bc	0	c	23	ab	0	b	8
CL 172 ¹⁶	182	ghi	185	c-g	141	b-e	71	bcd	159	b-e	147	0	d	0	c	0	c	6	b	0	b	1
CL 272 ¹³	216	cde	-	-	135	cde	94	a-d	163	b-e	152	0	d	4	c	0	c	0	b	0	b	1
CLJ01 ²¹	161	j	167	d-g	126	c-f	79	a-d	133	e	133	0	d	11	bc	0	c	0	b	0	b	2
Diamond ¹¹	215	de	194	c-f	146	bcd	101	a-d	167	b-e	165	0	d	0	c	0	c	25	ab	0	b	5
Jazzman ¹⁸	178	ghi	169	d-g	162	bcd	65	d	145	cde	144	0	d	23	bc	0	c	20	ab	18	ab	12
Jupiter ⁹	217	cde	187	c-g	165	bcd	89	a-d	173	bcd	166	0	d	33	bc	0	c	23	ab	8	b	13
LaKast ¹⁰	204	ef	179	c-g	172	bc	99	a-d	178	abc	166	3	d	21	bc	0	c	15	ab	0	b	8
Mermentau ¹⁴	188	gh	187	c-g	144	b-e	81	a-d	160	b-e	152	0	d	0	c	0	c	10	ab	0	b	2
MM17 ⁷	223	cd	208	a-d	161	bcd	95	a-d	163	b-e	170	0	d	21	bc	0	c	0	b	0	b	4
PVLO1 ²²	166	ij	147	g	101	ef	95	a-d	151	cde	132	5	d	0	c	0	c	0	b	0	b	1
Roy J ¹²	217	cde	172	d-g	144	b-e	100	a-d	154	cde	157	0	d	0	c	0	c	0	b	0	b	0
Titan ⁸	194	fg	204	b-e	173	bc	88	a-d	184	abc	169	0	d	3	c	0	c	0	b	10	ab	3
Wells ¹⁵	193	fg	-	-	159	bcd	92	a-d	161	b-e	151	0	d	85	a	0	c	3	b	0	b	18
CL XL745 ⁶	225	cd	184	c-g	186	b	109	a-d	164	b-e	174	25	a	47	b	53	a	33	ab	28	ab	37
Gemini 214 CL ²	245	ab	236	ab	187	b	132	a	210	a	202	23	ab	39	bc	28	abc	20	ab	13	ab	25
RT7311 CL ³	244	ab	220	abc	232	a	128	abc	168	b-e	198	18	bc	15	bc	13	c	45	ab	50	a	28
XP 753 ¹	249	a	241	a	233	a	131	ab	194	ab	209	15	c	20	bc	10	c	20	ab	13	ab	16
XP 760 ⁴	242	ab	-	-	165	bcd	136	a	206	a	187	20	abc	75	a	45	ab	58	a	10	ab	42
LSD P=.05	10.72		18.73		27.00		32.01		20.56			5.4		17.8		21.3		28.2		26.0		
Standard Deviation	7.60		13.03		19.14		22.68		14.54			3.8		12.5		15.1		20.0		18.4		
CV	3.72		6.98		12.37		23.65		8.78			78.28		42.89		172.16		138.07		259.84		
Levene's F	0.685		0.659		3.172		1.401		0.892			2.082		2.502		4.615		1.86		1.395		
Levene's Prob(F)	0.845		0.806		0.001*		0.142		0.608			0.01*		0.005*		0.001*		0.025*		0.144		
Skewness	0.2429		0.4239		0.5241*		0.7047*		-0.0587			1.6745*		0.7779*		2.2534*		1.4521*		2.9764*		
Kurtosis	-0.8388		0.2941		0.2797		0.8334		-0.0296			1.6241*		-0.8596		4.044*		0.9452		8.4196*		
Replicate F	5.387		1.669		5.983		7.658		5.114			1.395		1.491		1.236		1.822		1.845		
Replicate Prob(F)	0.0022		0.1921		0.0011		0.0002		0.0032			0.2518		0.2295		0.3032		0.1515		0.1471		
Treatment F	48.245		13.333		12.432		3.094		6.204			18.718		21.563		4.014		2.507		1.763		
Treatment Prob(F)	0.0001		0.0001		0.0001		0.0002		0.0001			0.0001		0.0001		0.0001		0.0019		0.0373		

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

CANALOU, MO - YIELD (BU/A) & LODGING (%)

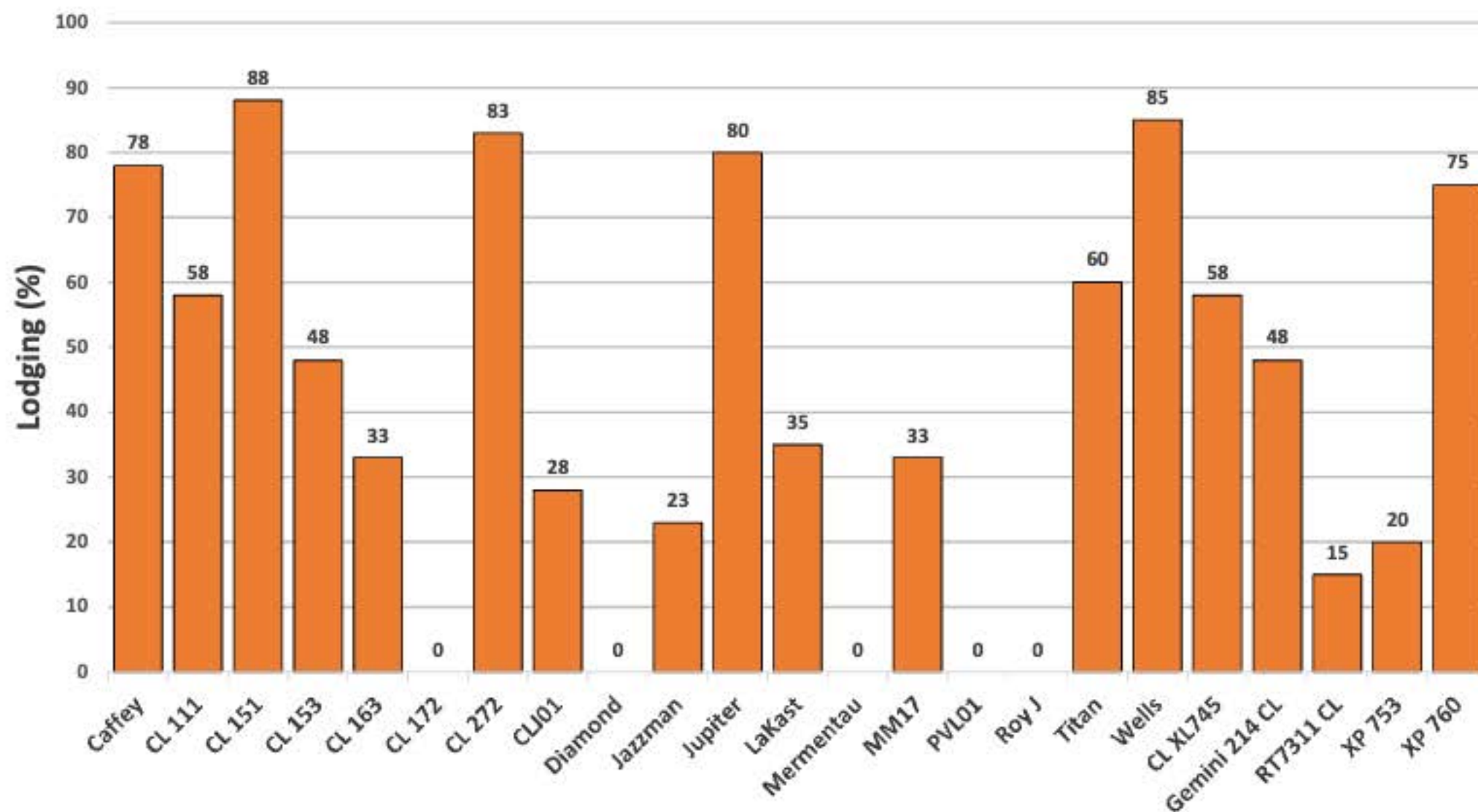


Planted: 5/7/18
 Harvest: 10/4/18
 Nitrogen: 120 units @ pre-flood

County: New Madrid
 Soil Type: Silty Clay Loam

Latitude: 36.79650
 Longitude: -89.69008

LODGING TRIAL - LODGING (%)



Planted: 5/12/18

Harvest: 10/12/18

Nitrogen: 120 units @ pre-flood / 30 units @ mid-season

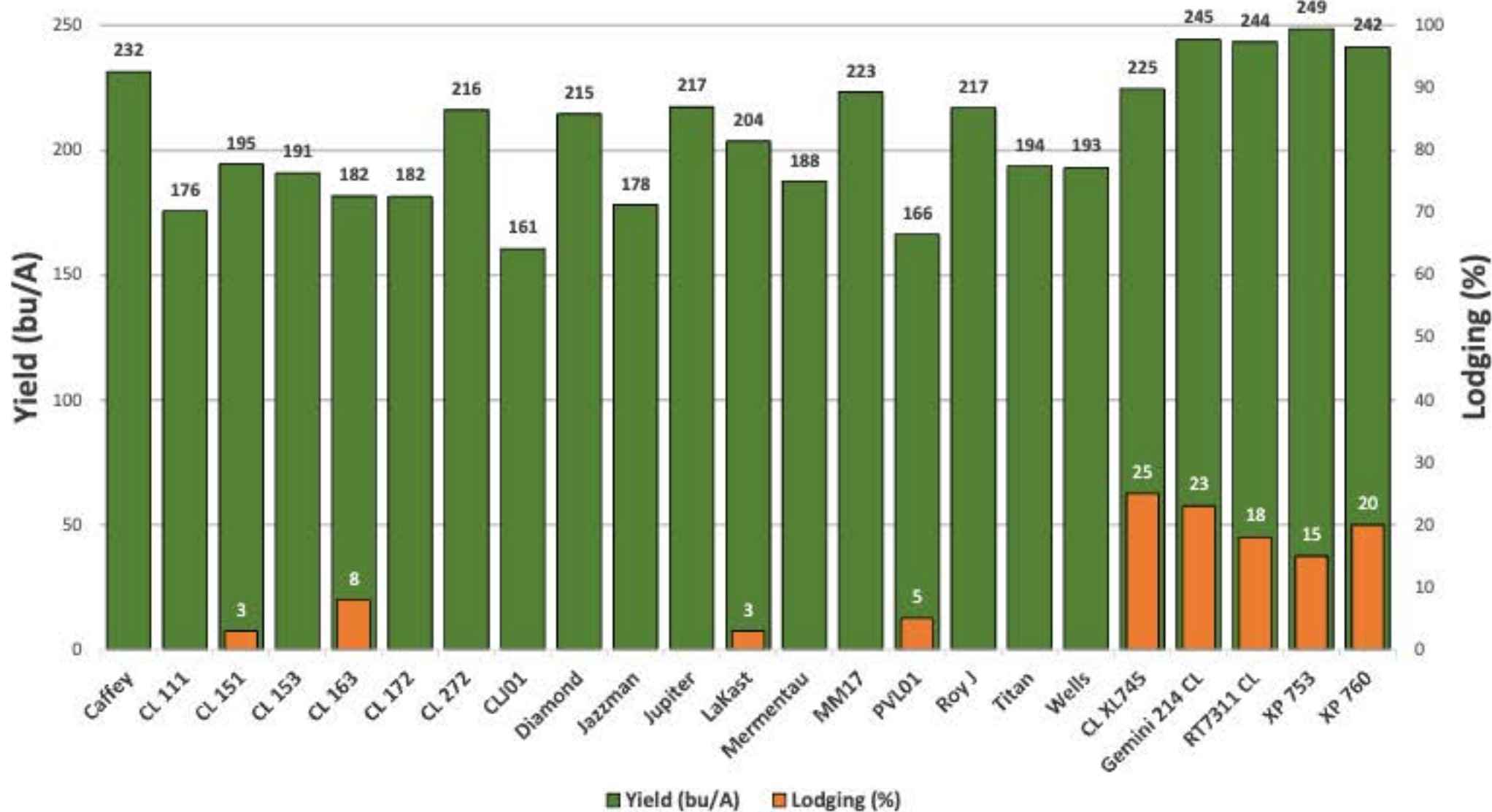
County: Dunklin

Soil Type: Silt Loam

Latitude: 36.57469

Longitude: -90.12656

GLENNONVILLE, MO EARLY - YIELD (BU/A) & LODGING (%)



Planted: 4/21/18

Harvest: 9/21/18

Nitrogen: 120 units @ pre-flood / 30 units @ mid-season

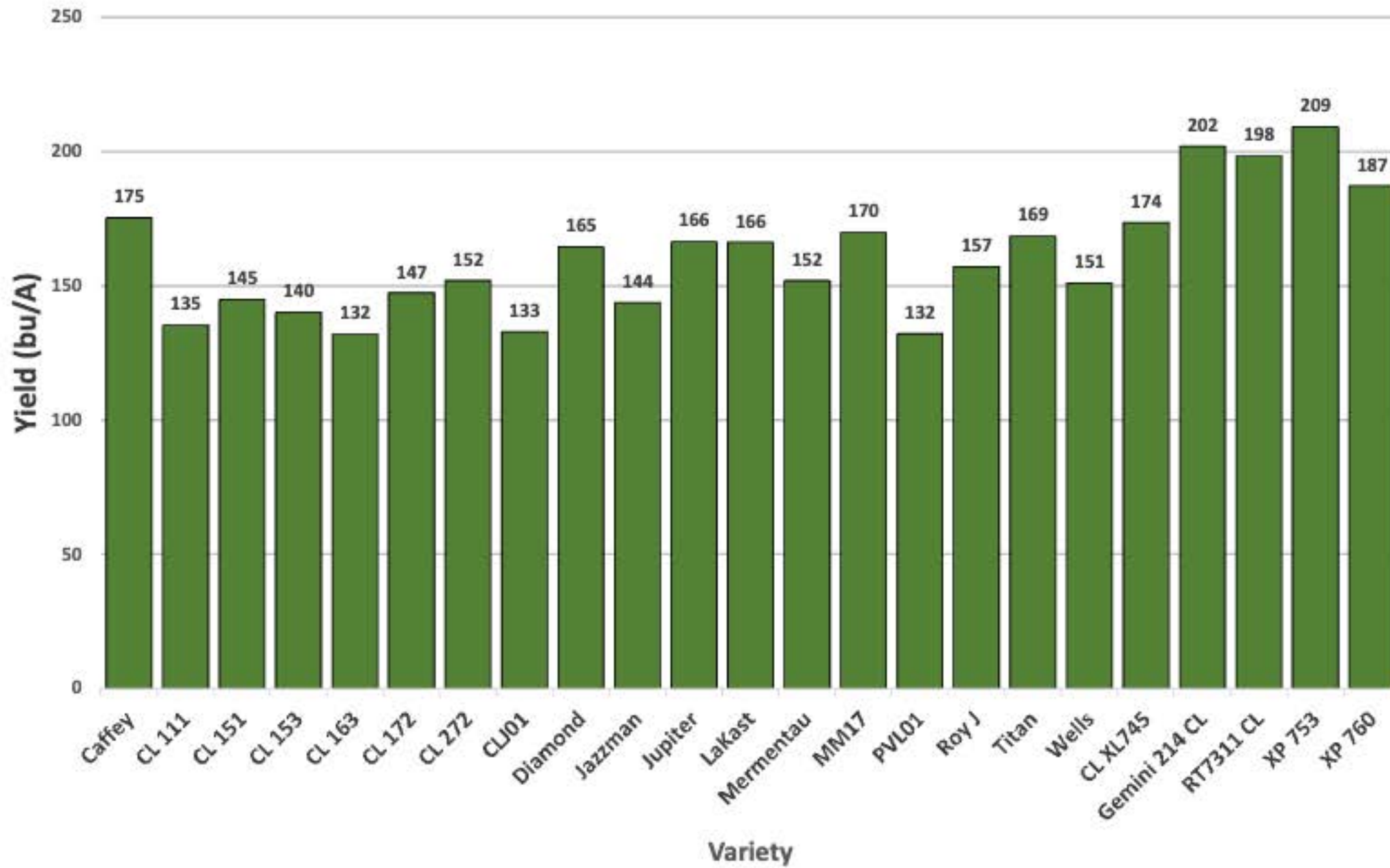
County: Dunklin

Soil Type: Silt Loam

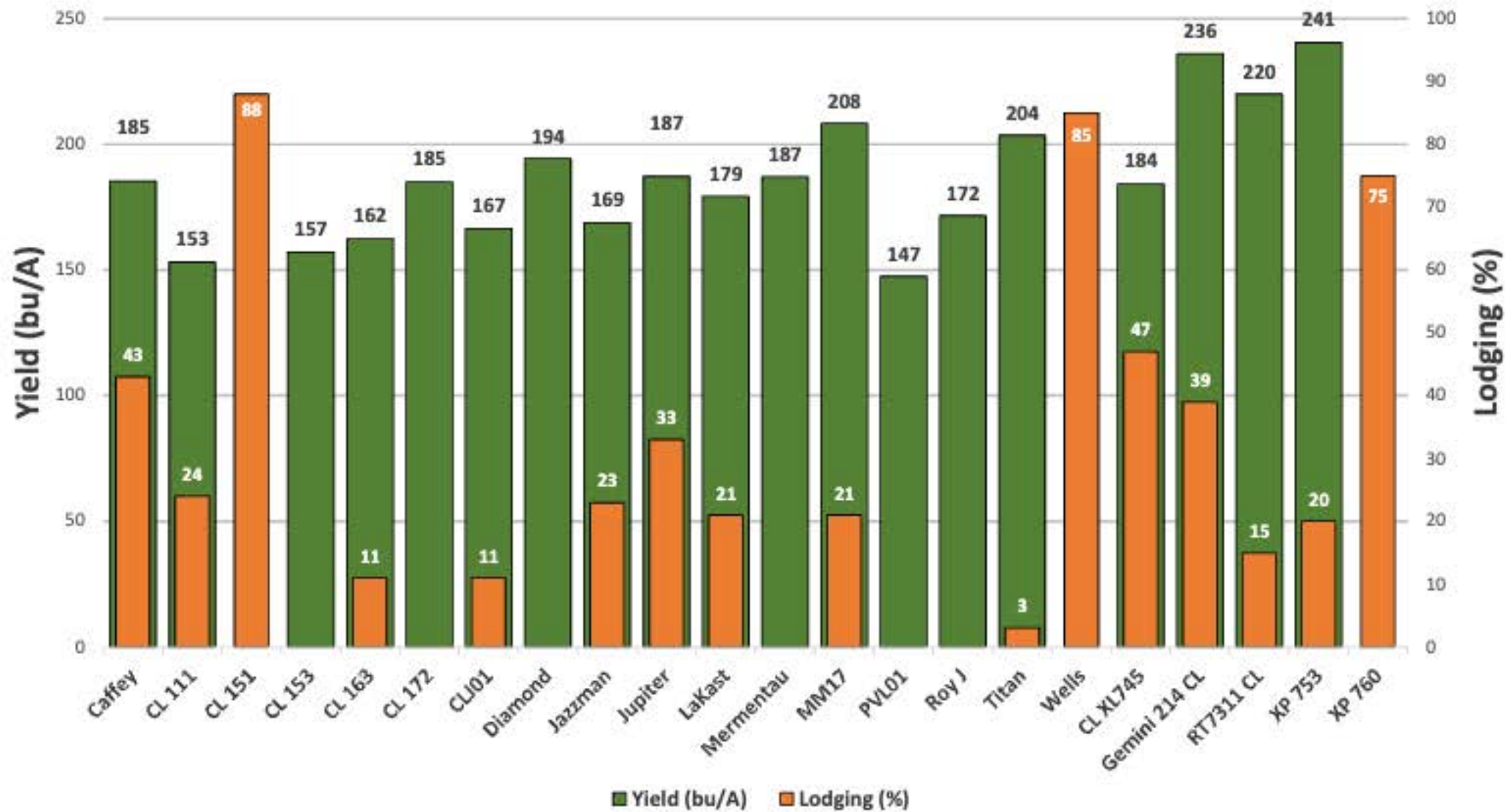
Latitude: 36.57469

Longitude: -90.12656

MORVT YIELD - AVERAGE ACROSS 5 SITES (BU/A)



GLENNONVILLE, MO LATE - YIELD (BU/A) & LODGING (%)



Planted: 5/12/18

Harvest: 10/12/18

Nitrogen: 120 units @ pre-flood / 30 units @ mid-season

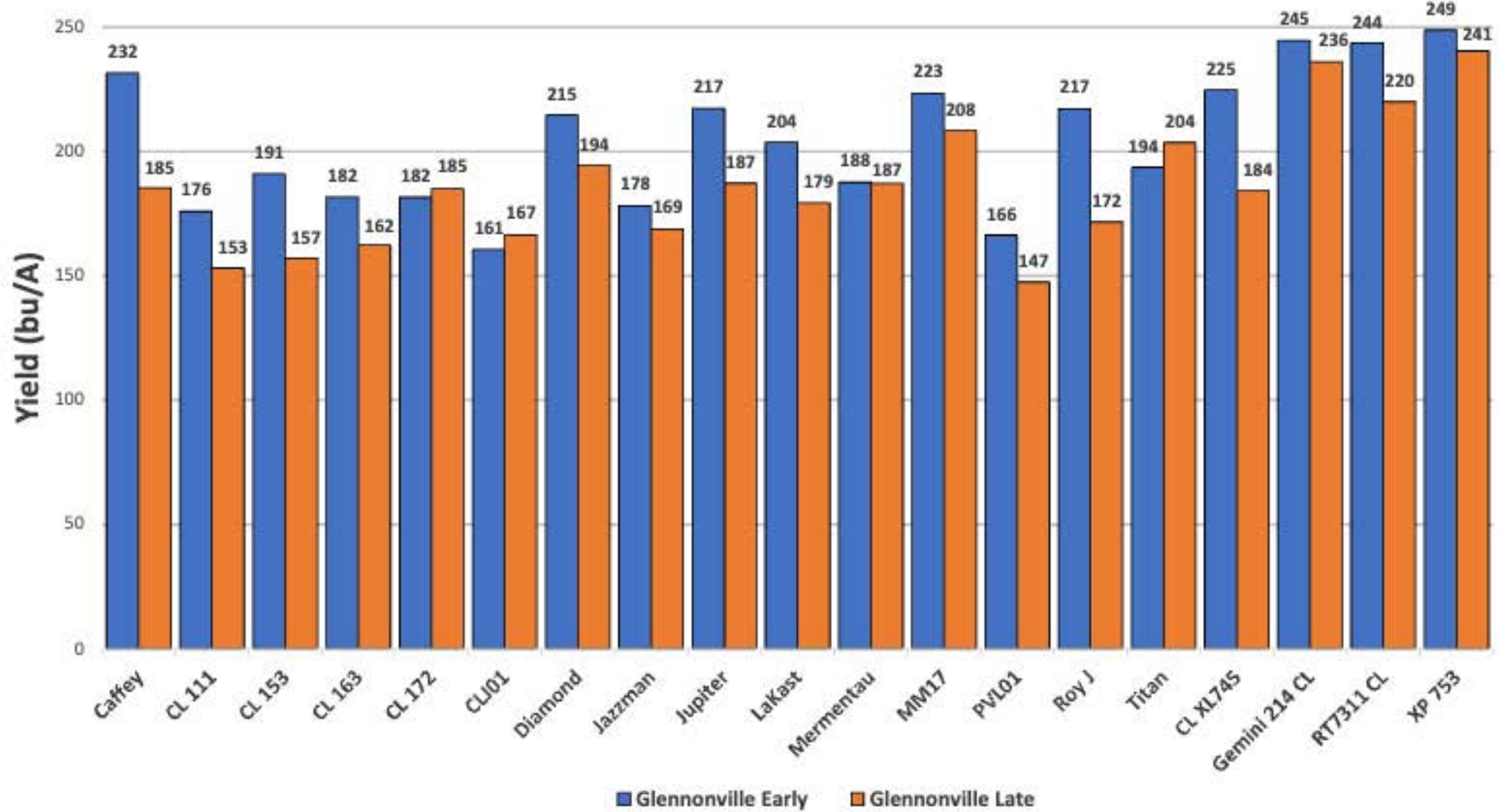
County: Dunklin

Soil Type: Silt Loam

Latitude: 36.57469

Longitude: -90.12656

GLENNONVILLE, MO EARLY VS. LATE PLANTING DATE - YIELD (BU/A)



Planted: 4/21/18 & 5/12/18

Harvest: 9/21/18 & 10/21/18

Nitrogen: 120 units @ pre-flood / 30 units @ mid-season

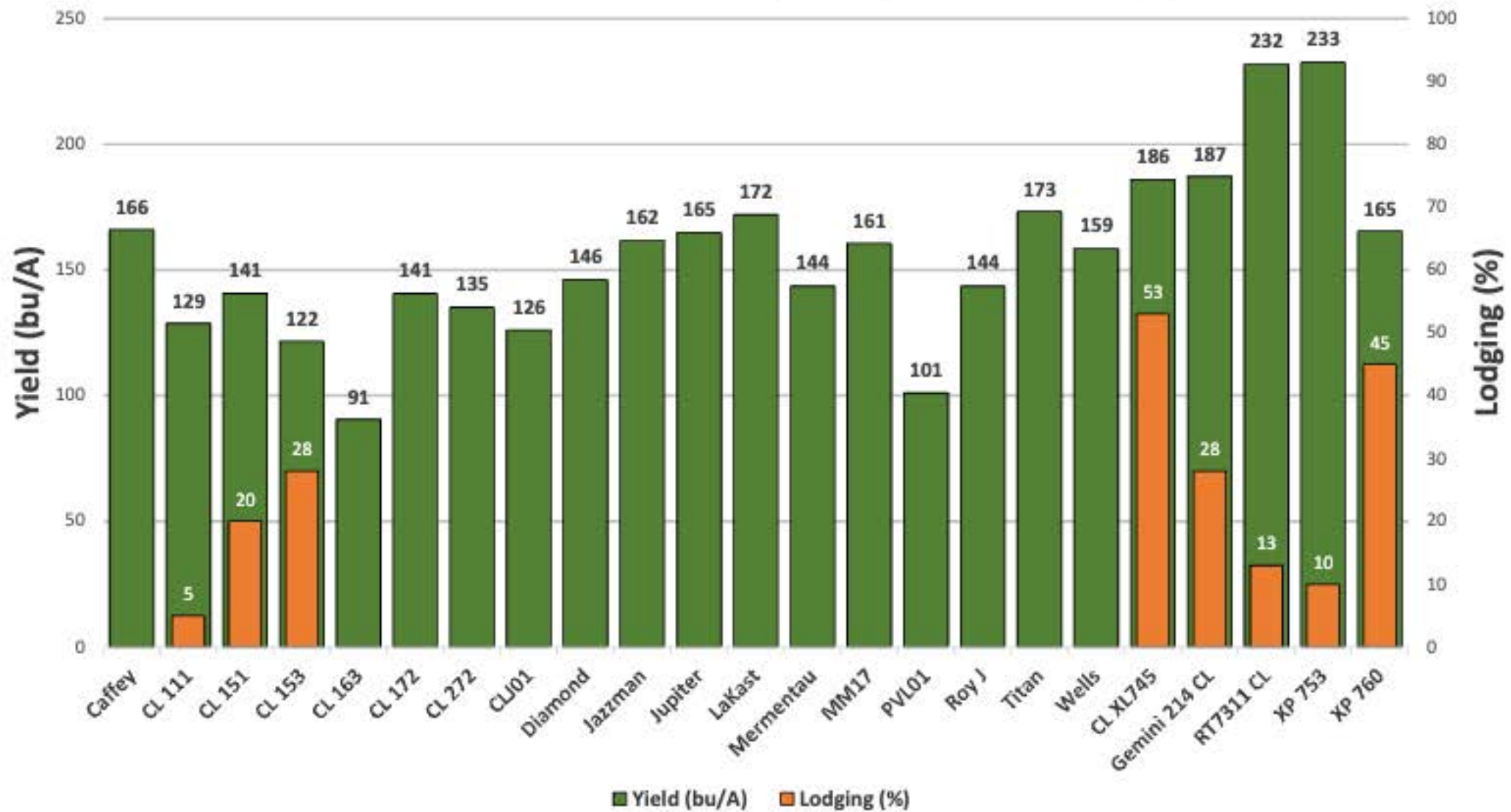
County: Dunklin

Soil Type: Silt Loam

Latitude: 36.57469

Longitude: -90.12656

NEELYVILLE, MO - YIELD (BU/A) & LODGING (%)



Planted: 5/1/18

Harvest: 9/26/18

Nitrogen: 120 units @ pre-flood / 30 units @ mid-season

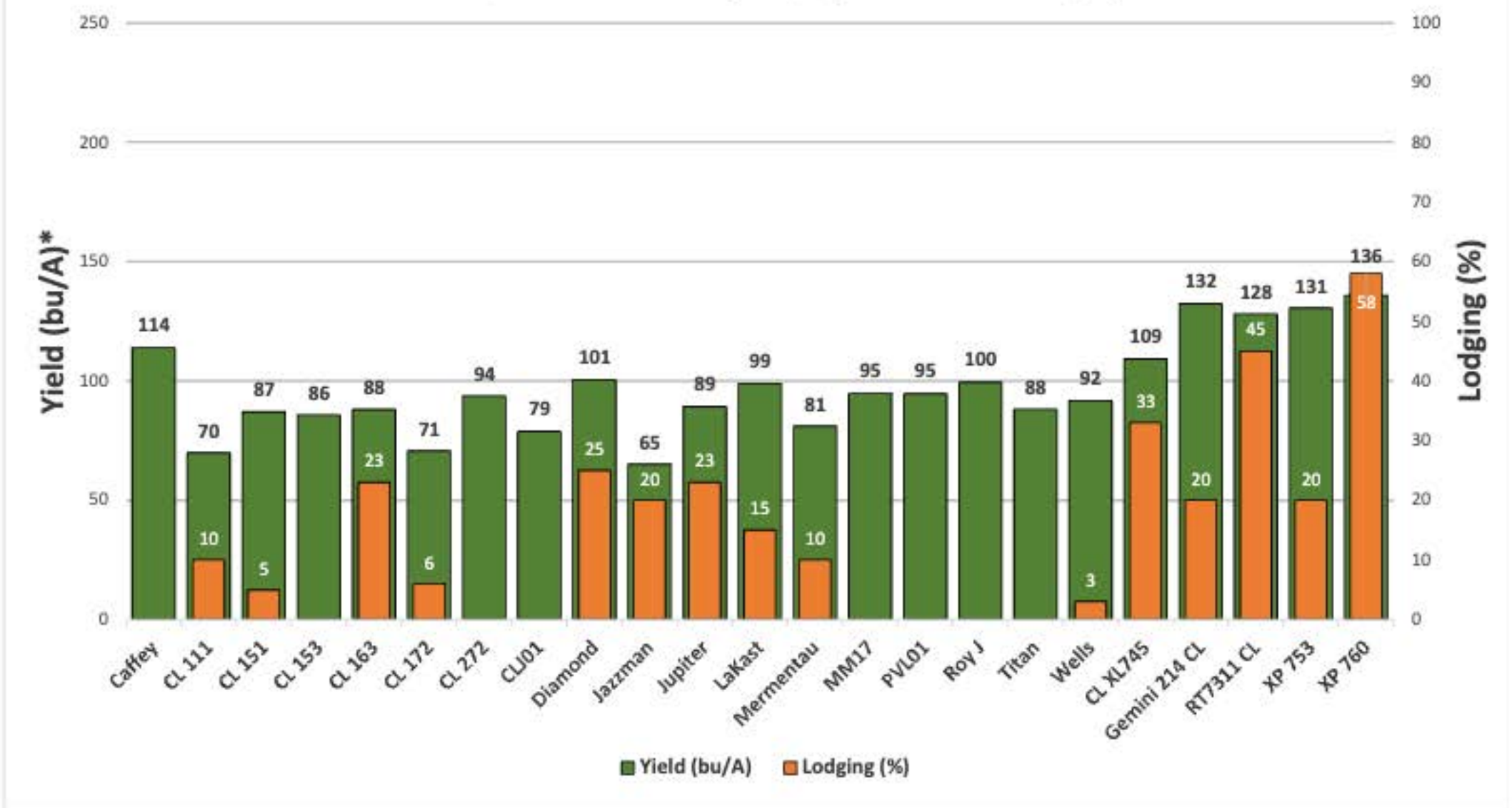
County: Butler

Soil Type: Sandy Loam

Latitude: 36.59226

Longitude: -90.51971

RIVES, MO - YIELD (BU/A) & LODGING (%)



Planted: 5/8/18

County: Dunklin

Latitude: 36.10445

Harvest: 10/22/18

Soil Type: Silty Clay Loam

Longitude: -90.03189

Nitrogen: 120 units @ pre-flood

*Grass weed pressure significantly impacted yield at this location.