

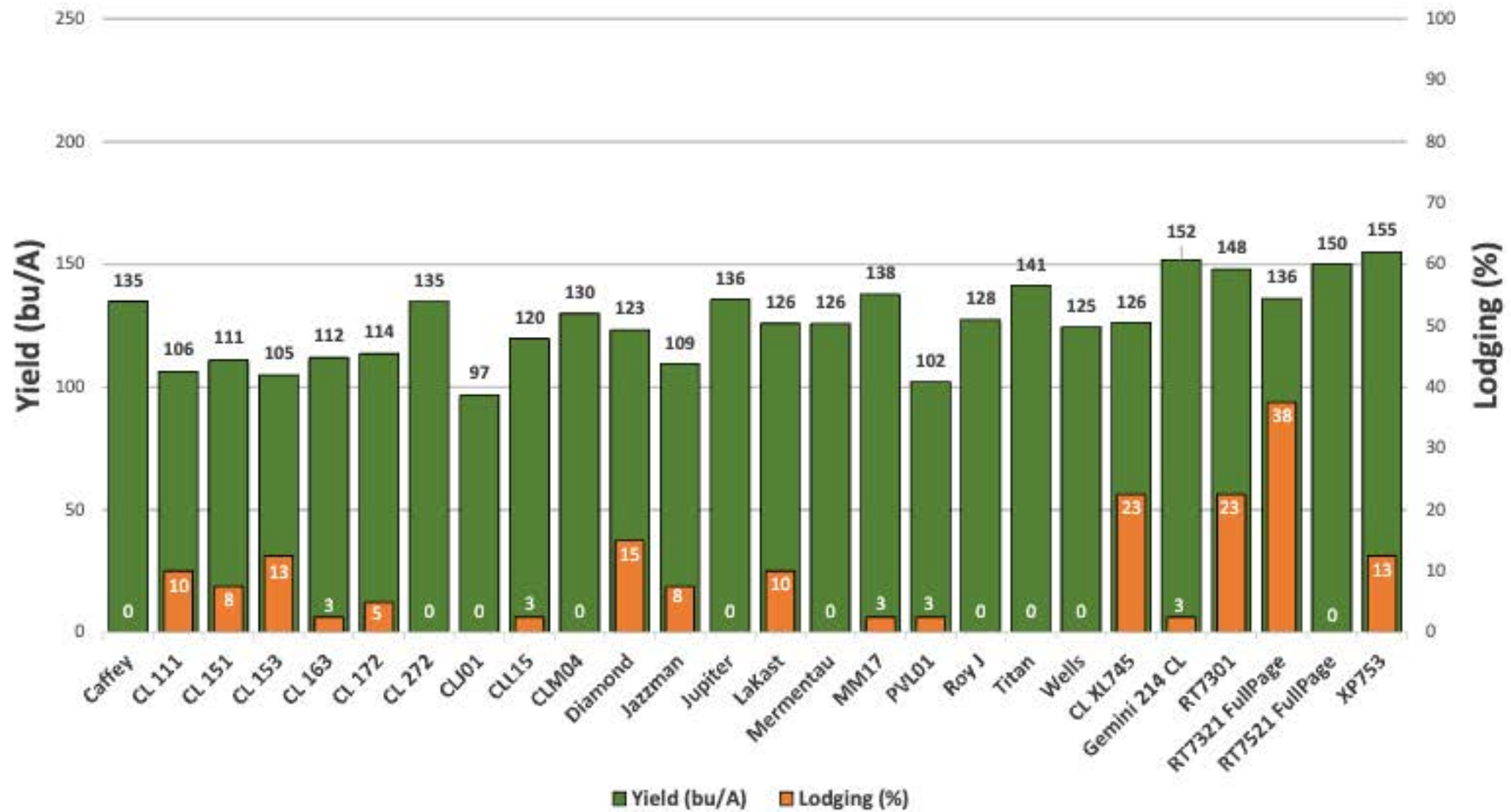
Missouri Rice Research and Merchandising Council

2019 Missouri Variety Trial Data

Variety	Yield (bu/A)									Lodging (%)									Milling Total (%)				Milling Whole (%)															
	Glennsville, MO		Fisk, MO		Newville, MO		Roves, MO		Canalou, MO		AVG	Glennsville, MO		Fisk, MO		Newville, MO		Roves, MO		Canalou, MO		AVG	Glennsville, MO		Glennsville, MO													
	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 ⁶	216	b-e	185	abc	190	b-f	146	b-e	119	b-f	135	a-e	198	a	170	0	-	0	-	5	-	0	-	0	d	0	b	0	c	1	74.5	bc	73.6	ab	68.2	abc	64.9	a-d
CL 111 ²²	173	jk	158	c	152	hi	111	f	98	fgh	106	g-j	155	d-g	136	0	-	0	-	0	-	28	-	0	d	10	ab	0	c	5	75.1	bc	74.7	a	64.9	a-e	59.5	b-h
CL 151 ¹⁷	185	ijk	169	abc	181	c-g	148	bcd	143	ab	111	f-j	159	def	156	0	-	0	-	8	-	23	-	3	d	8	ab	10	c	7	75.4	bc	74.7	a	65.3	a-d	62.8	a-f
CL 153 ²²	175	jk	163	bc	144	ij	124	c-f	103	d-h	105	hij	163	cde	139	0	-	0	-	0	-	1	-	0	d	13	ab	0	c	2	75.1	bc	74.3	ab	65.6	a-d	64.8	a-d
CL 163 ²⁵	176	jk	164	bc	126	j	81	g	89	gh	112	f-j	149	efg	128	0	-	0	-	8	-	18	-	0	d	3	b	0	c	4	74.5	bc	73.6	ab	65.5	a-d	64.2	a-e
CL 172 ²⁰	184	ijk	179	abc	166	fgh	133	c-f	108	c-g	114	e-j	160	def	149	0	-	0	-	0	-	0	-	0	d	5	b	0	c	1	75.1	bc	74.3	ab	68.1	abc	65.4	abc
CL 272 ¹¹	208	c-f	182	abc	184	c-f	115	def	131	a-d	135	a-e	174	bcd	161	0	-	0	-	0	-	0	-	0	d	0	b	0	c	0	75.3	bc	73.5	ab	67.3	abc	64.2	a-e
CLU01 ²⁴	156	l	159	c	143	ij	128	c-f	99	fgh	97	j	143	g	132	0	-	0	-	0	-	3	-	0	d	0	b	0	c	0	75.2	bc	73.4	ab	68.8	a	63.2	a-f
CLL15 ¹⁸	190	g-i	154	c	176	efg	155	bc	132	a-d	120	d-i	181	b	158	0	-	0	-	0	-	25	-	0	d	3	b	0	c	4	74.0	bc	71.8	b	60.4	fgh	57.0	e-h
CLM04 ¹⁰	207	c-g	193	ab	166	fgh	152	bc	128	a-e	130	b-f	166	b-e	163	0	-	0	-	18	-	30	-	25	cd	0	b	48	b	17	74.5	bc	72.8	ab	68.5	ab	61.8	a-g
Diamond ⁸	213	b-f	186	abc	189	b-f	149	bc	130	a-e	123	d-h	162	cde	165	0	-	0	-	0	-	0	-	0	d	15	ab	0	c	2	74.7	bc	73.1	ab	62.2	d-g	60.4	a-h
Jazzman ¹⁹	178	jk	167	abc	178	d-g	167	b	101	e-h	109	f-j	168	bcd	153	0	-	0	-	0	-	23	-	0	d	8	ab	0	c	4	74.7	bc	73.9	ab	66.1	a-d	64.3	a-e
Jupiter ¹⁸	208	c-f	153	c	169	e-h	134	c-f	135	abc	136	a-d	.	.	156	0	-	0	-	15	-	8	-	35	bc	0	b	90	a	21	72.7	c	72.7	ab	69.2	a	67.3	a
LaKast ¹⁴	211	b-f	179	abc	183	c-f	128	c-f	117	b-f	126	c-h	179	bc	160	0	-	0	-	0	-	28	-	0	d	10	ab	0	c	5	77.1	ab	74.7	a	64.0	b-f	60.3	a-h
Mermentau ²¹	188	hij	166	abc	157	ghi	128	c-f	97	fgh	126	c-h	168	bcd	147	0	-	0	-	0	-	0	-	0	d	0	b	0	c	0	74.0	bc	74.2	ab	67.2	abc	66.6	ab
MM17 ¹⁵	200	e-i	176	abc	178	d-g	101	f	129	a-e	138	a-d	196	a	160	0	-	0	-	0	-	0	-	0	d	3	b	0	c	0	74.4	bc	72.9	ab	69.3	a	64.4	a-e
PVL01 ²⁴	170	k	152	c	130	j	113	ef	79	h	102	ij	145	fg	127	0	-	0	-	0	-	0	-	0	d	3	b	0	c	0	74.4	bc	73.2	ab	63.6	c-f	57.6	d-h
Roy J ⁹	220	a-d	183	abc	182	c-f	145	b-e	124	b-f	128	c-g	169	bcd	164	0	-	0	-	0	-	2	-	5	d	0	b	0	c	1	76.8	ab	75.3	a	65.6	a-d	64.8	a-d
Titan ⁷	198	e-i	169	abc	169	e-h	177	b	123	b-f	141	a-d	200	a	168	0	-	0	-	0	-	0	-	0	d	0	b	25	c	4	75.0	bc	73.1	ab	60.1	fgh	58.0	c-h
Wells ¹³	203	d-h	170	abc	184	c-f	157	bc	118	b-f	125	d-h	168	bcd	161	0	-	0	-	0	-	0	-	3	d	0	b	0	c	0	76.3	ab	74.4	ab	59.8	f-i	58.8	c-h
CL XL745 ¹²	197	f-i	157	c	194	b-e	170	b	122	b-f	126	c-h	.	.	161	0	-	0	-	5	-	23	-	43	abc	23	ab	.	.	15	78.2	a	73.2	ab	58.3	ghi	55.6	gh
Gemini 214 CL ²	234	a	197	a	219	a	208	a	133	a-d	152	a	.	.	190	0	-	0	-	20	-	0	-	55	ab	3	b	.	.	13	76.4	ab	74.3	ab	60.8	e-h	58.9	c-h
RT7301 ³	224	abc	185	abc	210	ab	217	a	157	a	148	abc	.	.	190	0	-	0	-	0	-	5	-	45	abc	23	ab	.	.	12	75.9	ab	73.9	ab	56.1	ij	57.8	c-h
RT7321 FullPage ⁵	216	b-e	172	abc	203	a-d	212	a	129	a-e	136	a-d	.	.	178	0	-	0	-	0	-	8	-	63	a	38	a	.	.	18	75.0	bc	73.8	ab	53.6	j	53.3	h
RT7521 FullPage ⁸	228	ab	178	abc	204	abc	177	b	145	ab	150	ab	.	.	180	0	-	0	-	20	-	28	-	55	ab	0	b	.	.	17	76.5	ab	73.8	ab	61.7	d-h	62.9	a-f
XP753 ¹	225	abc	197	a	210	ab	221	a	144	ab	155	a	.	.	192	0	-	0	-	0	-	6	-	55	ab	13	ab	.	.	12	76.0	ab	74.3	ab	57.4	hi	56.3	fgh
LSD P=.05	11.40		17.48		15.13		19.82		16.93		13.10		9.39						10.93		19.50		17.53		18.43		18.48		1.68		1.45		2.81		4.17			
Standard Deviation	8.09		12.40		10.74		14.06		12.02		9.30		6.62						7.76		13.84		12.44		13.08		13.05		1.19		1.03		2.00		2.96			
CV	4.06		7.19		6.10		9.35		9.96		7.36		3.93						206.89		141.18		84.03		194.36		151.34		1.58		1.40		3.13		4.82			
Levene's F	1.235		1.186		1.155		1.644		0.732		0.593		1.328						1.175		3.810		2.479		1.482		6.678		1.024		0.996		1.269		1.432			
Levene's Prob(F)	0.238		0.280		0.308		0.052		0.808		0.929		0.207						0.289		0.001*		0.001*		0.097		0.001*		0.449		0.483		0.212		0.118			
Skewness	-0.2377		0.0509		-0.3897		0.2690		-0.0991		-0.0469		0.3372						3.5723*		1.9562*		1.4365*		2.1497*		2.8114*		1.3282*		0.2102		-0.6687*		-0.4999*			
Kurtosis	-0.8392		-0.1469		-0.2219		-0.5097		-0.4197		-0.7738		-0.4969						14.9461*		3.1869*		0.6174		3.3105*		6.3911*		5.3441*		2.7075*		-0.3476		-0.6513			
Replicate F	1.253		4.108		2.322		0.392		1.440		5.282		1.555						4.489		3.228		0.836		0.127		0.516		15.672		3.465		4.704		5.089			
Replicate Prob(F)	0.2968		0.0095		0.0820		0.7592		0.2381		0.0023		0.2115						0.0059		0.0272		0.4781		0.9436		0.6729		0.0001		0.0204		0.0046		0.0029			
Treatment F	25.634		4.469		19.946		26.135		9.594		12.014		23.686						2.999		2.778		13.434		2.007		11.854		3.683		2.325		19.047		6.449			
Treatment Prob(F)	0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001						0.0001		0.0004		0.0001		0.0111		0.0001		0.0001		0.0028		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 ADV Treatment P(F) is significant at mean comparison OSL.
 * Adjusted means

2019 MORVT 5 - RIVES, MO - YIELD (BU/A) & LODGING (%)



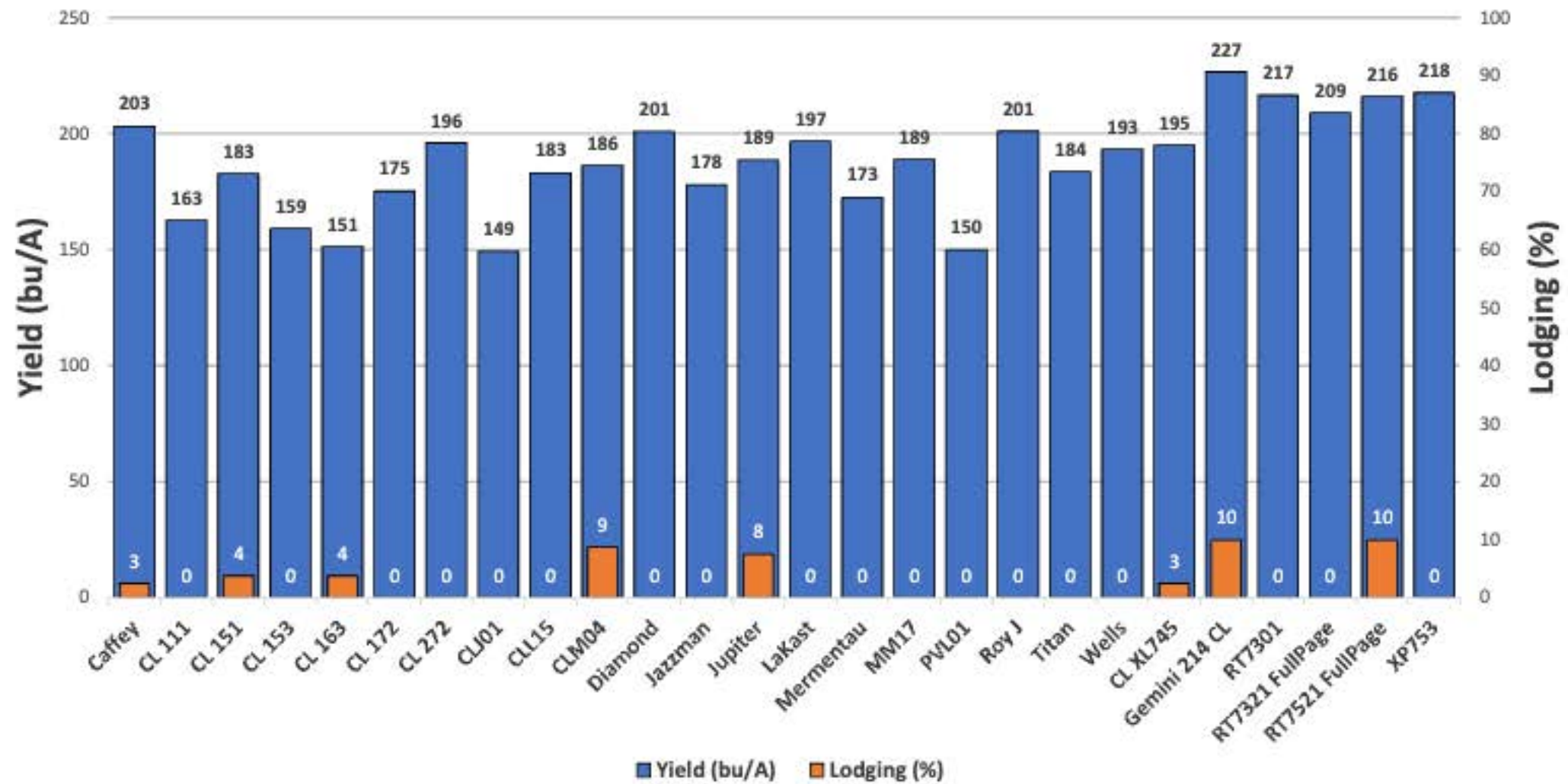
Planted: 6/5/19
10/18/19

Nitrogen: 150 units @ pre-flood

County: Dunklin
Soil Type: Silty Clay Loam

Latitude: 36.10767 **Harvest:**
Longitude: -90.05741

2019 AVERAGES - EARLY PLANTED TRIALS (2) - YIELD (BU/A) & LODGING (%)



Planted: 4/23 & 4/30/19

Harvest: 9/24 & 10/8/19

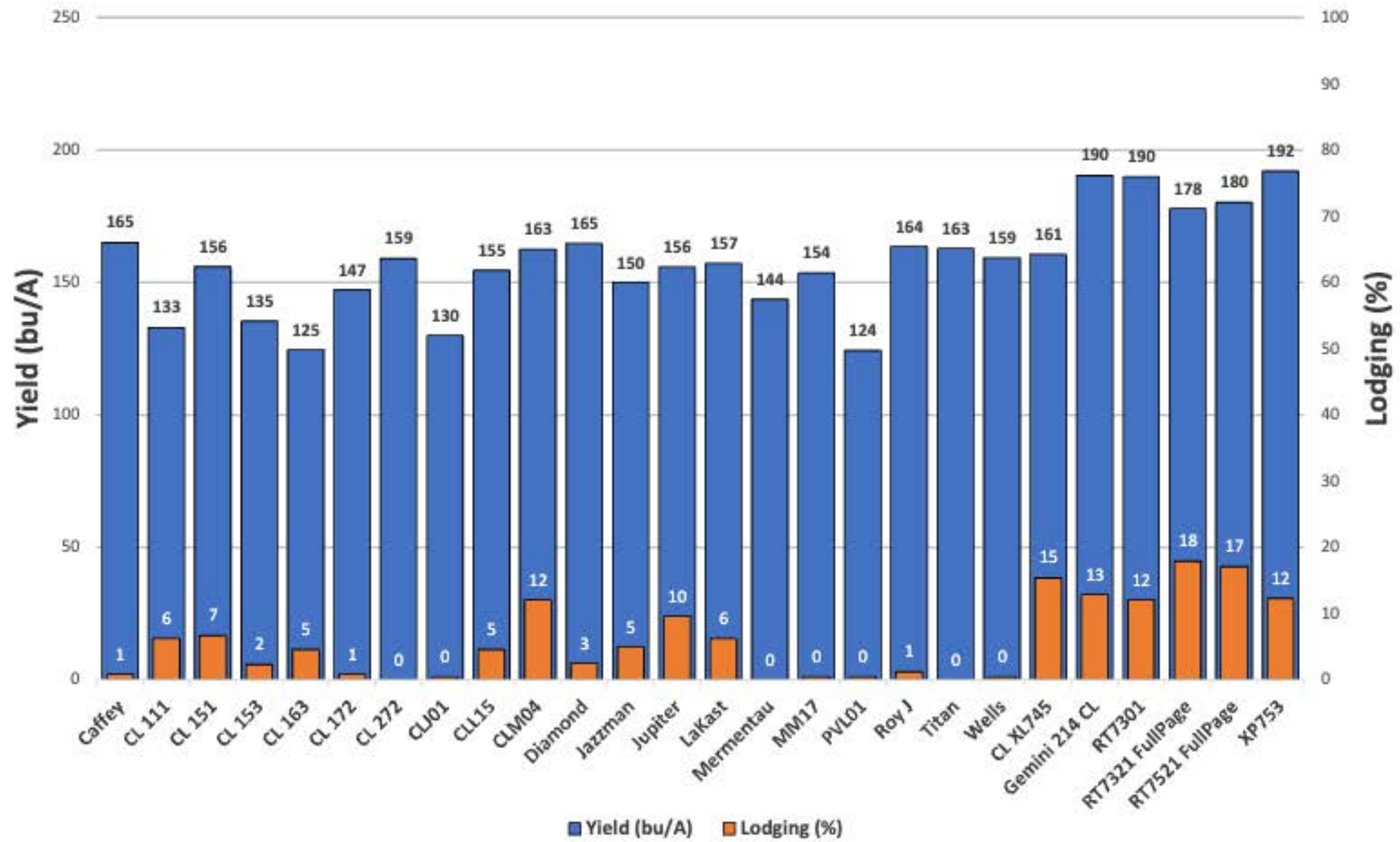
units @ pre-flood / 30 units @ mid-season

County: Butler and Dunklin

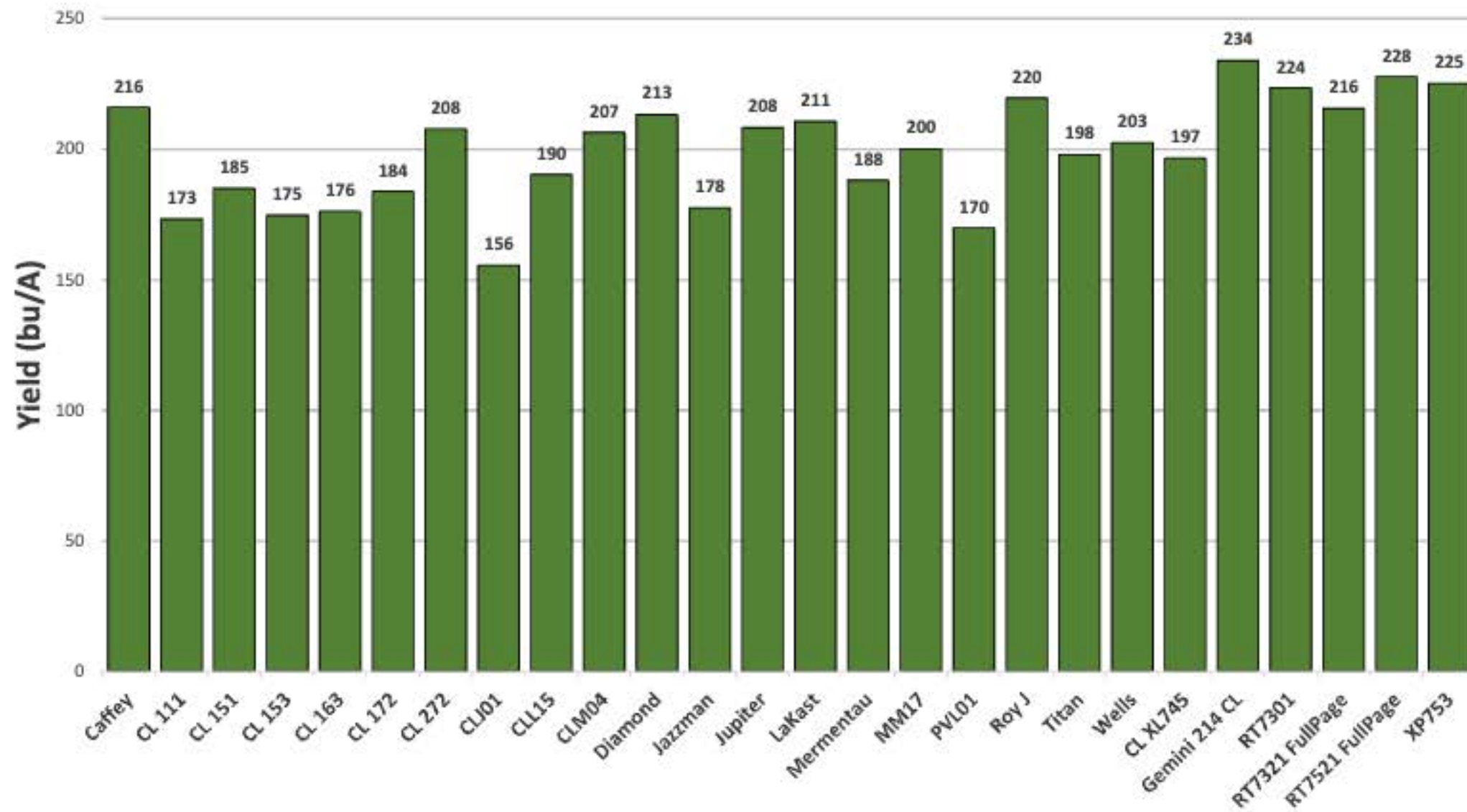
Soil Type: Silt Loam

Nitrogen: 120

2019 AVERAGES - 6 TRIALS - YIELD (BU/A) & LODGING (%)



2019 MORVT 2 - GLENNONVILLE, MO EARLY - YIELD (BU/A)



Planted: 4/23/19

Harvest: 9/24/19

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

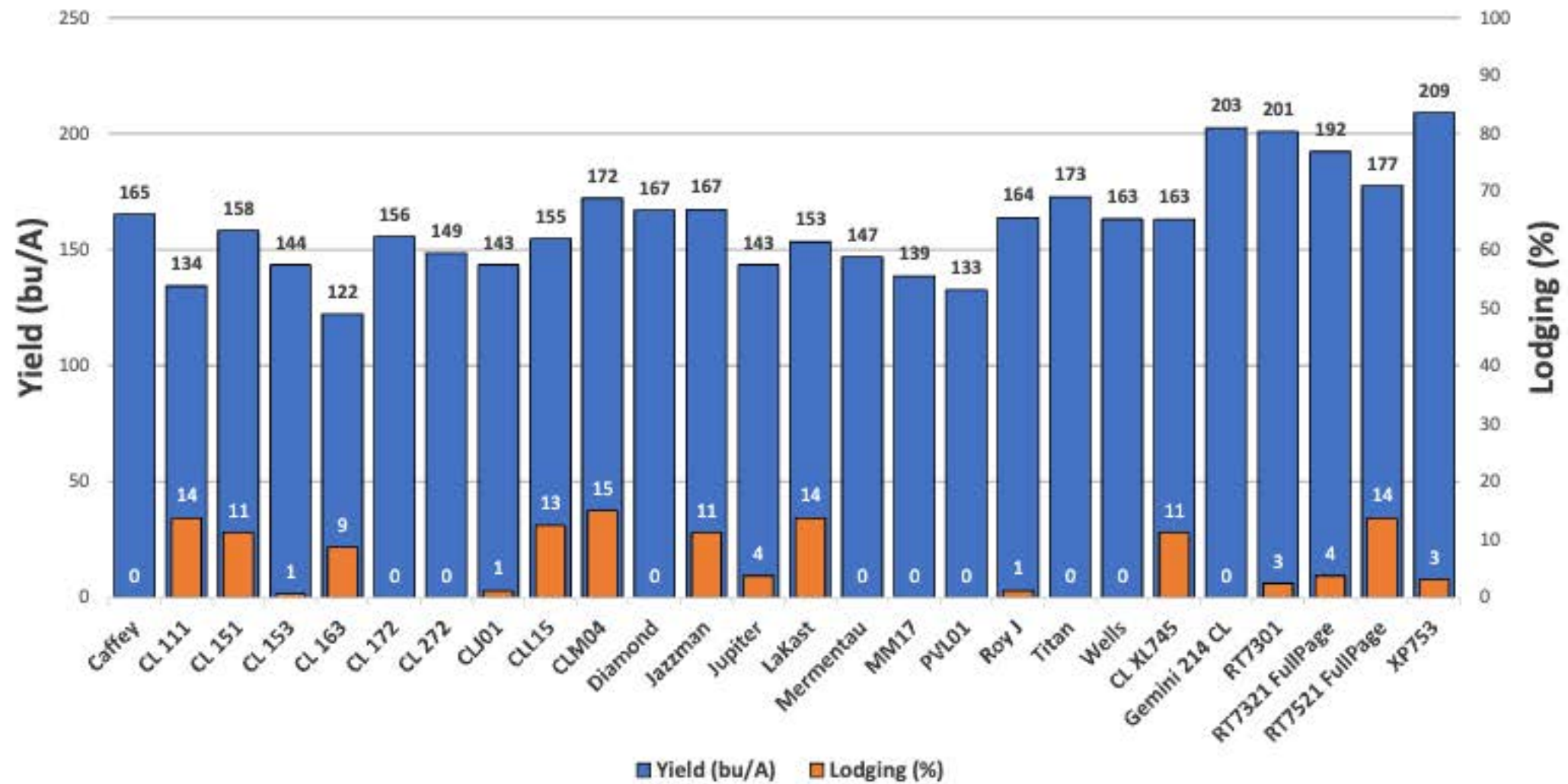
County: Dunklin

Soil Type: Silt Loam

Latitude: 36.57142

Longitude: -90.12909

2019 AVERAGES - LATE PLANTED TRIALS (2) - YIELD (BU/A) & LODGING (%)

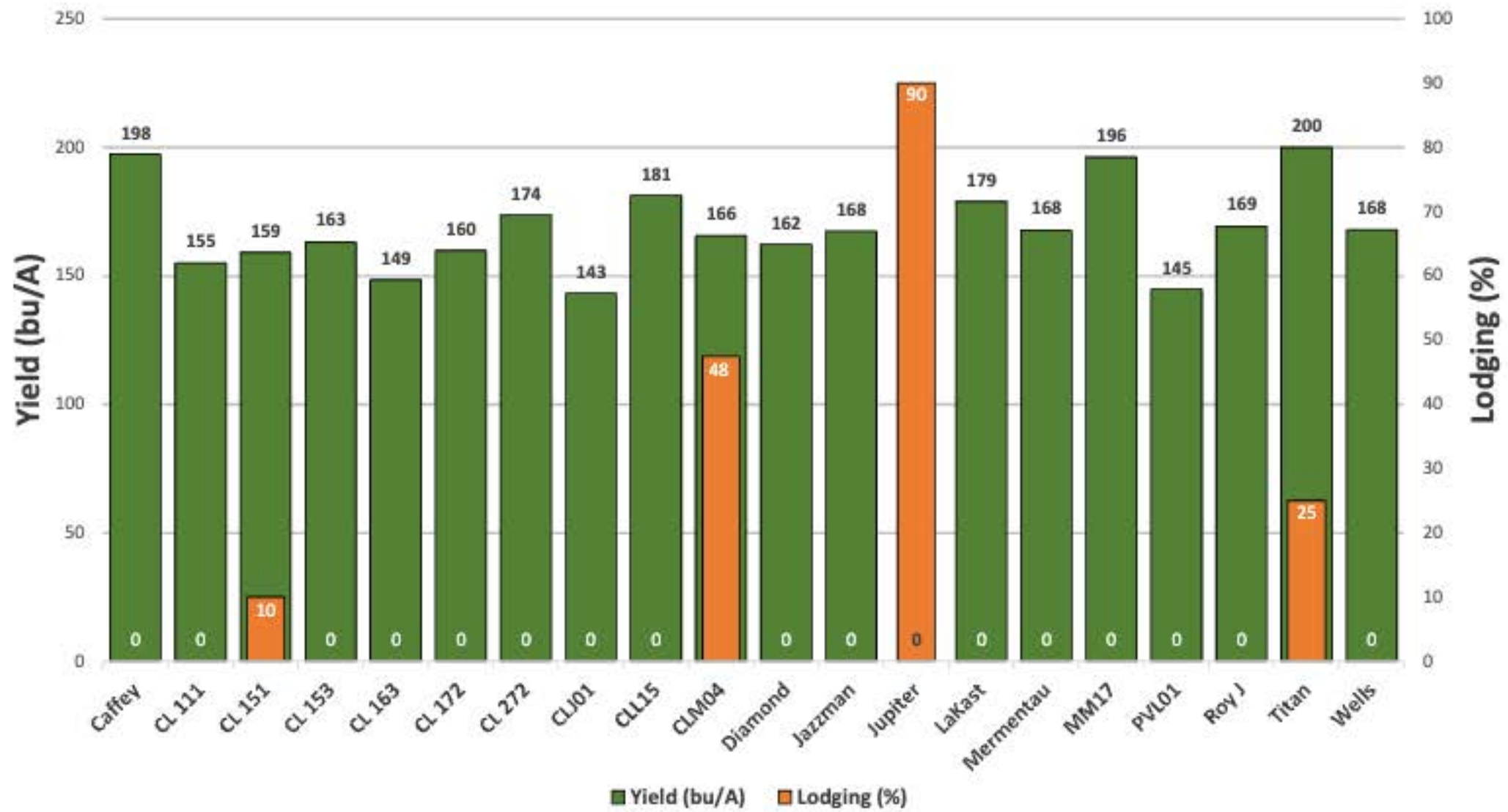


Planted: 5/17 & 5/25/19
 Harvest: 10/1 & 10/17/19
 units @ pre-flood / 30 units @ mid-season

County: Butler and Dunklin
 Soil Type: Silt Loam

Nitrogen: 120

2019 MORVT 1 - CANALOU, MO - YIELD (BU/A) & LODGING (%)



Planted: 5/14/19

Harvest: 10/10/19

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

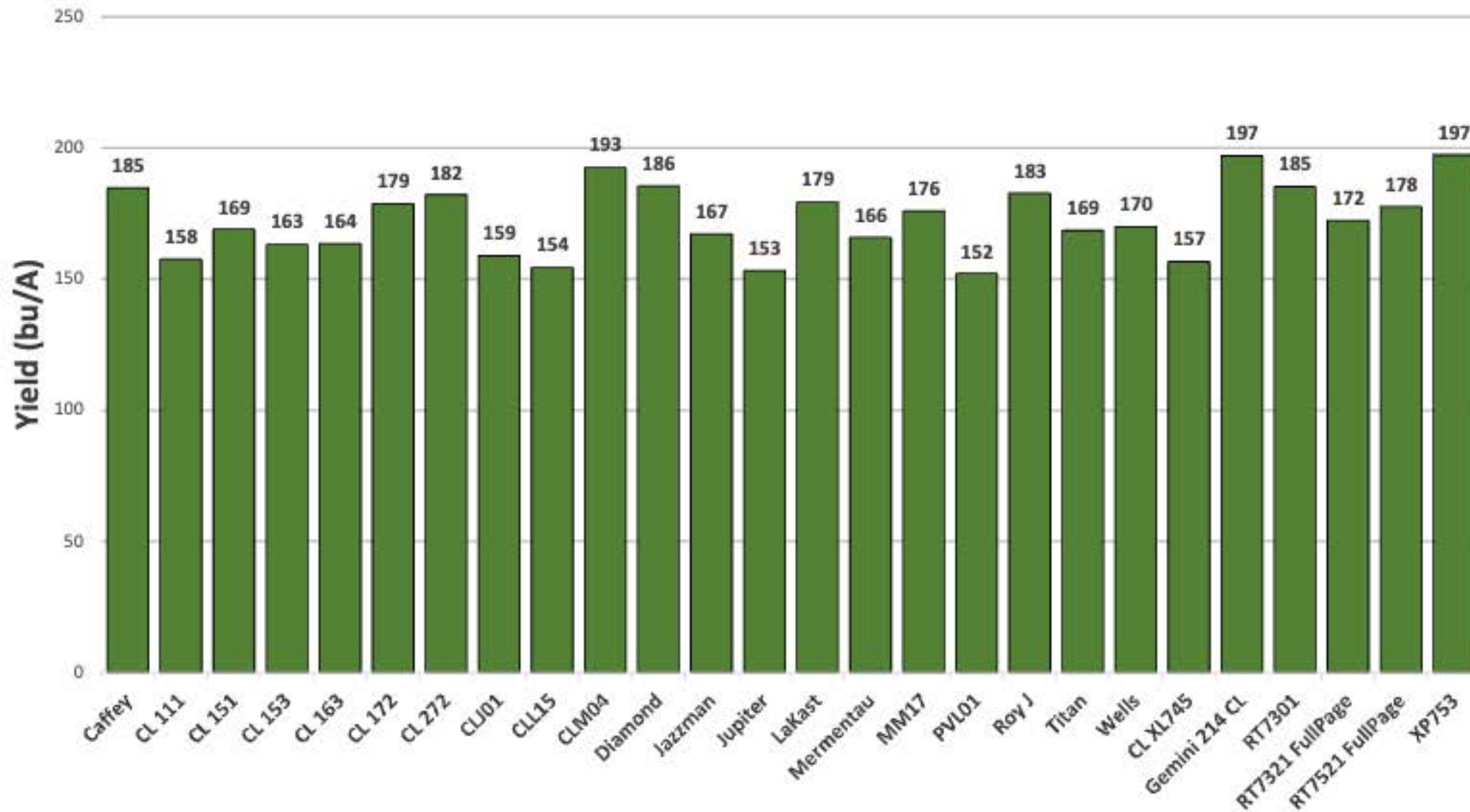
County: New Madrid

Soil Type: Clay

Latitude: 36.80456

Longitude: -89.68283

2019 MORVT 3 - GLENNONVILLE, MO LATE - YIELD (BU/A)



Planted: 5/17/19

Harvest: 10/1/19

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

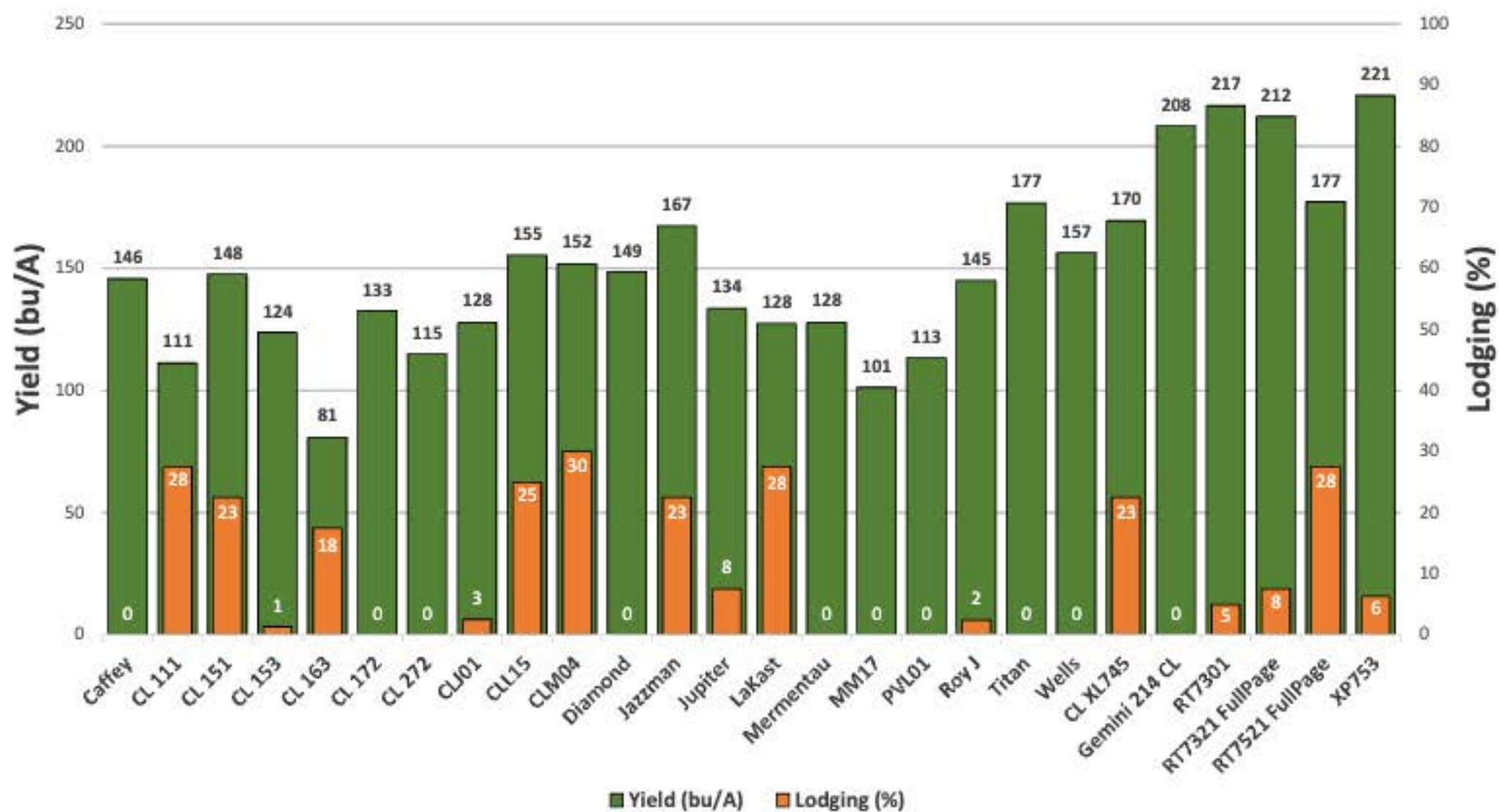
County: Dunklin

Soil Type: Silt Loam

Latitude: 36.56971

Longitude: -90.12906

2019 MORVT 6 - FISK, MO LATE - YIELD (BU/A) & LODGING (%)



Planted: 5/25/19

Harvest: 10/17/19

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

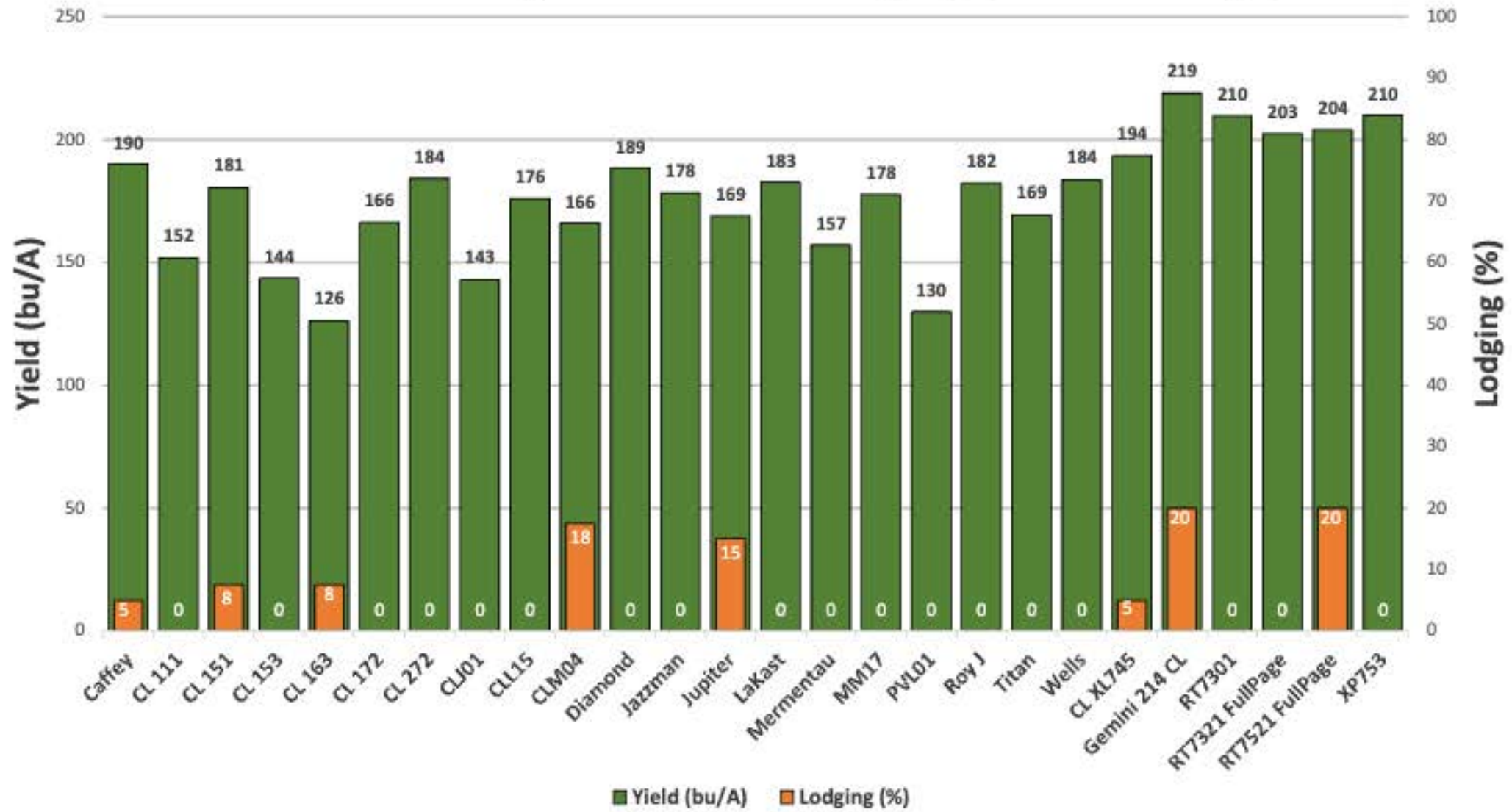
County: Butler

Soil Type: Silt Loam

Latitude: 36.71015

Longitude: -90.19200

2019 MORVT 4 - FISK, MO EARLY - YIELD (BU/A) & LODGING(%)



Planted: 4/30/19

Harvest: 10/8/19

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

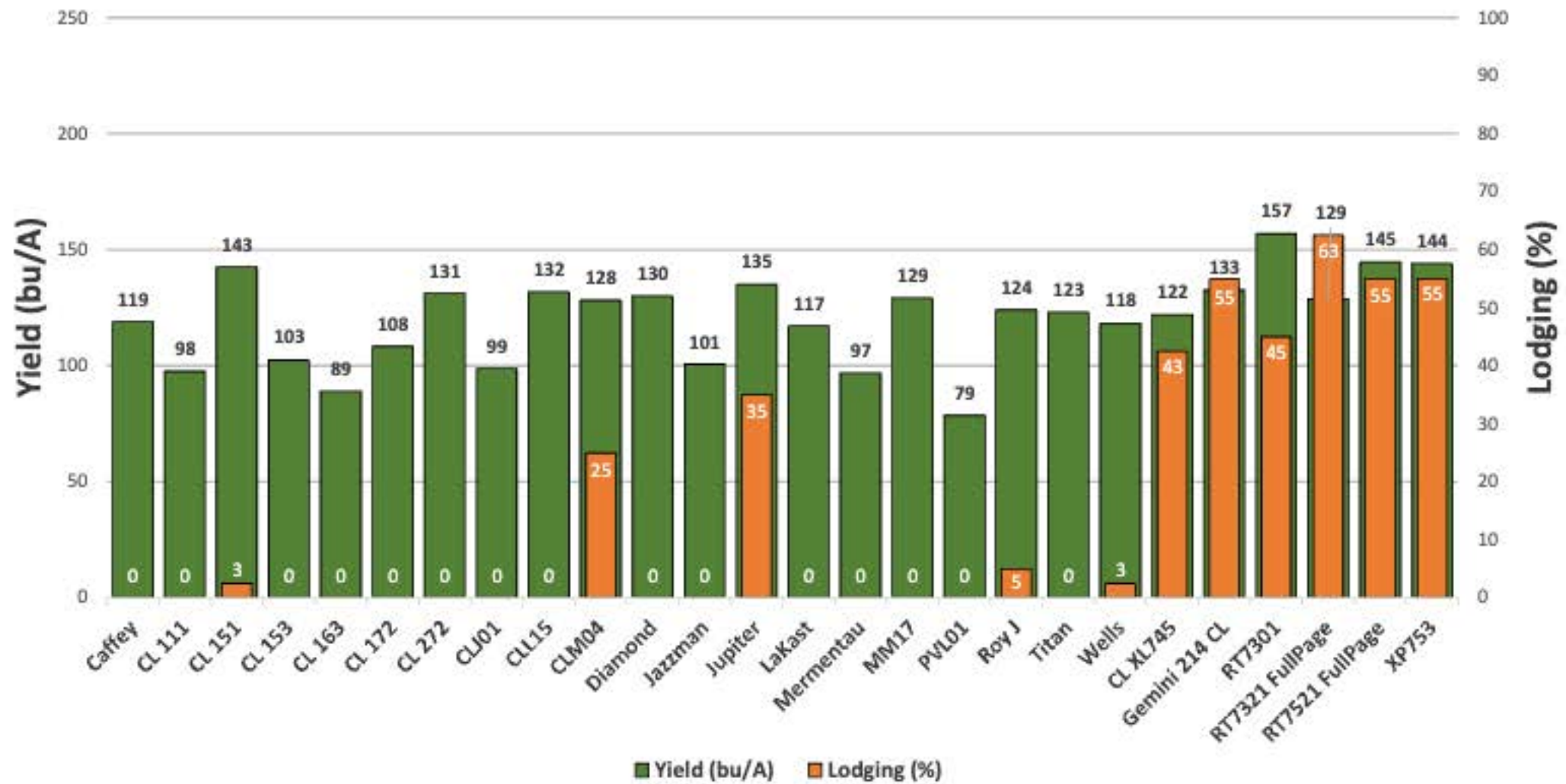
County: Butler

Soil Type: Silt Loam

Latitude: 36.71181

Longitude: -90.19373

2019 MORVT 7 - NEELEYVILLE, MO - YIELD (BU/A) & LODGING (%)



Planted: 4/30/19

Harvest: 10/2/19

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

County: Butler

Soil Type: Sandy Loam

Latitude: 36.60682

Longitude: -90.52000