



## El Reno Wheat Variety Trial Dual-purpose vs. Grain-Only Comparison

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<b>Planting date:</b> 10/6/2021 (dual-purpose) & 10/26/22 (grain-only)	<b>Previous crop:</b> Wheat
<b>Harvest date:</b> 06/16/2022	<b>Soil type:</b> Bethany silt loam
<b>Tillage:</b> Conventional	<b>Soil test:</b> pH=6, N= 79, P= 54, K= 437

Licensee	Variety	Grain Yield			Test Weight			Wheat Protein		
		Dual-purpose	Grain-Only	Diff	Dual-purpose	Grain-Only	Diff	Dual-purpose	Grain-Only	Diff
		----- bu/ac -----			----- lb/bu -----			----- % -----		
Croplan	CP7017AX	57	62	-6	57.1	55.5	1.6	11.2	13.8	-2.6
OGI	Showdown	57	60	-4	57.9	56.5	1.4	12.1	14.1	-2.1
PlainsGold	Crescent AX	50	68	-18	57.7	57.2	0.4	11.7	13.8	-2.1
AGSECO	AG Radical	49	64	-15	57.5	56.0	1.5	12.8	14.8	-2.0
LCS	LCS Atomic AX	49	62	-13	56.4	56.6	-0.1	11.6	12.6	-1.1
LCS	LCS Photon AX	48	56	-8	58.1	58.1	0.0	12.2	14.8	-2.6
Westbred	WB4699	48	60	-12	57.0	56.2	0.9	12.3	14.0	-1.7
LCS	LCS Chrome	46	58	-12	57.3	56.1	1.2	13.1	15.0	-1.9
AGSECO	AG Icon	46	59	-13	56.9	56.7	0.2	13.2	14.9	-1.6
AgriPro	AP Roadrunner	42	59	-17	56.5	55.3	1.2	12.4	14.3	-1.9
OGI	Doublestop CL+	42	57	-15	60.7	59.5	1.2	14.0	15.8	-1.8
OGI	Uncharted	42	58	-16	57.2	56.9	0.4	12.7	14.7	-2.0
OGI	OK Corral	42	54	-13	53.7	52.9	0.8	12.7	14.7	-2.0
OGI	Gallagher	41	56	-15	56.6	55.9	0.8	12.2	14.3	-2.1
KWA	KS Ahearn	40	57	-18	55.7	54.2	1.5	12.9	14.4	-1.5
OGI	Green Hammer	40	55	-16	59.1	58.4	0.7	14.4	16.7	-2.3
OGI	Smith's Gold	38	58	-20	57.9	57.4	0.5	13.4	14.0	-0.6
OGI	Strad CL+	36	57	-21	57.6	57.1	0.5	14.2	14.9	-0.8
AgriPro	AP EverRock	35	51	-16	55.5	55.0	0.5	13.9	14.7	-0.8
Westbred	WB4401	35	50	-15	55.3	54.1	1.2	13.5	13.6	-0.1
AgriMAXX	AM Cartwright	32	52	-21	56.8	57.0	-0.2	15.6	15.2	0.5
OGI	Big Country	30	41	-11	57.6	55.7	1.9	14.3	14.8	-0.5
<b>Experimentals</b>										
	OK15MASBx7 ARS 8-29	41	58	-17	54.8	55.5	-0.6	12.6	14.4	-1.8
<b>Mean</b>		<b>43</b>	<b>57</b>	<b>-14</b>	<b>57.0</b>	<b>56.2</b>	<b>0.8</b>	<b>13.0</b>	<b>14.5</b>	<b>-1.5</b>
<b>LSD (0.05)</b>		<b>5</b>	<b>5</b>	<b>7</b>	<b>0.8</b>	<b>0.7</b>	<b>1.1</b>	<b>1.1</b>	<b>1.3</b>	<b>1.6</b>

**Notes:** Grain yield and protein concentration were adjusted to 12% moisture content. Shaded values were not statistically different from the highest value within a column. The crop experienced high rainfall conditions after maturity, which resulted in pre-harvest sprouting damage in some varieties. Sprouting damage was assessed by counting visibly sprouted kernels among 4000 kernels. There was low to moderate presence of Barley yellow dwarf disease observed in this trial. Plots were grazed from 12/06/21 to 02/28/22 at an average stocking rate of 310 pounds of animal BW per acre. Double-dashes"--" = data not available.