



El Reno Wheat Variety Trial Dual-purpose and Grain-only Comparison

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Planting date: 09/25/2023 (dual-purpose) & 10/17/23 (grain-only)

Previous crop: Wheat

Harvest date: 06/08/2024

Soil type: Bethany silt loam

Tillage: Conventional

Soil test: pH=6.2, N= 92, P= 68, K= 372

Licensee	Variety	Grain Yield			Test Weight			Protein		
		Dual-purpose	Grain-only	Diff	Dual-purpose	Grain-only	Diff	Dual-purpose	Grain-only	Diff
----- bu/ac -----										
OGI	High Cotton	42	71	-29	59.7	60.0	-0.3	11.1	10.9	0.2
OGI	Showdown	42	79	-37	58.8	59.4	-0.6	10.3	10.3	0.0
OGI	Firebox	39	65	-26	60.2	60.2	0.0	11.5	11.3	0.2
OGI	Smith's Gold	38	62	-24	60.9	60.6	0.3	10.4	11.1	-0.7
OGI	Uncharted	37	64	-27	58.0	58.7	-0.7	11.3	11.1	0.2
OGI	OK Corral	37	66	-29	58.9	59.0	-0.1	10.5	10.5	0.0
LCS	LCS Galloway AX	36	66	-30	59.2	59.9	-0.7	11.5	11.2	0.3
AgriPro	AP Roadrunner	35	63	-28	58.7	58.3	0.4	10.9	10.1	0.8
PlainsGold	Crescent AX	34	70	-36	59.3	59.6	-0.3	11.4	10.5	0.9
OGI	Doublestop CL+	34	65	-31	61.4	61.6	-0.2	12.9	12.5	0.4
OGI	Big Country	34	65	-31	60.7	59.8	0.9	11.0	10.7	0.3
OGI	Breadbox	32	67	-35	59.4	60.1	-0.7	10.9	10.2	0.7
AgriPro	AP Prolific	32	68	-36	58.1	59.6	-1.5	11.8	10.7	1.1
OGI	Paradox	32	70	-38	58.2	60.1	-1.9	11.3	10.2	1.1
KWA	KS Providence	31	68	-37	59.4	59.0	0.4	12.3	11.1	1.2
LCS	LCS Julep	31	53	-22	60.8	60.1	0.7	11.6	10.4	1.2
OGI	Gallagher	31	65	-34	58.6	60.0	-1.4	11.3	10.6	0.7
LCS	LCS Atomic AX	31	64	-33	58.8	58.8	0.0	11.6	10.4	1.2
PlainsGold	Kivari AX	30	65	-35	58.2	57.6	0.6	10.2	9.5	0.7
OGI	Green Hammer	30	64	-34	60.7	59.9	0.8	12.8	11.9	0.9
AGSECO	AG Radical	29	59	-30	58.7	57.9	0.8	11.1	10.3	0.8
Westbred	WB4401	28	61	-33	58.9	60.5	-1.6	10.8	10.3	0.5
Westbred	WB4422	26	55	-29	58.3	58.2	0.1	11.3	10.0	1.3
OGI	Strad CL+	26	68	-42	59.6	60.7	-1.1	12.8	11.8	1.0
Experimentals										
OSU	OK16107133-19-3	41	65	-24	59.4	59.4	0.0	12.4	12.2	0.2
OSU	OK16107133-19-4	39	63	-24	58.1	59.0	-0.9	12.3	11.7	0.6
OSU	OK20708	34	64	-30	58.3	59.5	-1.2	11.3	10.6	0.7
OSU	OK198417C	31	66	-35	60.1	61.2	-1.1	11.5	11.7	-0.2
Mean		34	65	-31	59.3	59.6	-0.3	11.4	10.8	0.6
LSD (0.05)		7	5	--	1.7	0.8	--	0.9	0.7	--

Notes: Grain yield was adjusted to 12% moisture content. Shaded values were not statistically different from the highest value within a column. Plots were grazed from 11/29/23 to 02/23/23 at 308 pounds of animal BW per acre. There was a moderate pressure of Sharp Eyespot root rot fungal disease. Double-dashes"--" = data not available.