



## Cherokee Wheat Variety Trial

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<b>Cooperator: Kenneth Failes</b> <b>Planting &amp; Harvest Dates: 09/28/2023 &amp; 06/15/2024</b> <b>Management: Grain-Only</b> <b>Tillage: Conventional Tillage</b>			<b>Extension Educator: Erin Metcalf</b> <b>Previous Crop: Wheat</b> <b>Soil Type: Dale silt loam</b> <b>Soil Test: pH=5.9, N=175, P=68, K=665</b>		
Licensee	Variety	Grain Yield		Test Weight	Wheat Protein
		2023-24	2-year	2023-24	2023-24
		-----bu/ac-----		-- lb/bu --	-- % --
OGI	Showdown	68	55	61.8	13.9
OGI	Bentley	64	—	60.4	14.4
AGSECO	Ag Radical	63	52	60.4	13.7
PlainsGold	Canvas	60	53	62.7	14.9
KWA	KS Providence	52	50	60.2	15.3
Croplan	CP7017AX	51	48	61.7	15.6
Westbred	WB4792	51	46	64.2	14.8
OGI	Green Hammer	50	42	60.7	16.3
Westbred	WB4422	50	44	61.7	16.0
AgriPro	AP Prolific	49	—	60.5	15.6
LCS	LCS Helix AX	47	42	61.3	15.4
PlainsGold	Crescent AX	46	45	60.5	15.4
LCS	LCS Steel AX	45	—	61.4	14.6
AgriPro	Bob Dole	44	41	59.4	16.3
OGI	High Cotton	44	37	60.8	16.0
OGI	Unchartered	44	40	59.4	15.1
OGI	Doublestop CL+	41	42	61.4	17.1
OGI	Smith's Gold	41	41	62.2	15.6
OGI	OK Corral	39	37	59.2	15.4
AgriPro	SY Wolverine	37	38	61.1	16.4
OGI	Paradox	36	39	60.1	14.8
OGI	Iba	35	37	62.3	14.8
OGI	Strad CL+	32	36	59.6	15.9
OGI	Gallagher	32	33	60.8	16.3
LCS	LCS Atomic AX	29	35	60.3	15.8
OGI	Breadbox	26	—	60.4	16.5
OGI	Butler's Gold	24	24	59.1	19.2
<b>Experimentals</b>					
OSU	OK198417C	51	—	62.8	16.1
OSU	OK20708	36	—	60.7	16.7
OSU	OK16107133-19-3	30	33	59.9	18.0
<b>Mean</b>		<b>44</b>	<b>41</b>	<b>60.9</b>	<b>15.7</b>
<b>LSD (0.05)</b>		<b>10</b>	<b>8</b>	<b>1.1</b>	<b>1.5</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 plots experienced severe drought during the season, root/crown rot fungal disease, and freeze damage. In the 2021-2022 season, we utilized a different statistical analysis for grain yield, test weight and protein to reduce the impact of the spatial variability possibly caused by a heavier root rot infestation on the north side of the experiment. Therefore, data from the 2022 harvest year was not combined with other years to provide 3-year averages. The two-year yield averages include the 2023 and 2024 harvest years. Em Dash "—" = data not available.