



# Cherokee Wheat Variety Trial

wheat.okstate.edu

**Cooperator: Kenneth Failes**

**Extension Educator: Tommy Puffinbarger**

**Planting & harvest dates: 10/22/2021 & 06/10/2022**

**Previous crop: Wheat**

**Management: Grain-only**

**Soil Type: Dale silt loam**

**Tillage: Conventional**

**Soil test: pH=6.5, N= 97, P= 52, K= 435**

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein
		2021-22	2020-21	2-Year	2021-22	2021-22
		----- bu/ac -----			-- lb/bu --	-- % --
PlainsGold	Canvas	30	71	79	62.7	17.1
LCS	LCS Helix AX	27	--	--	56.4	17.2
PlainsGold	Guardian	26	68	--	60.7	17.2
Croplan	CP7017AX	26	--	--	57.0	16.9
LCS	LCS Atomic AX	25	--	--	57.8	17.7
AgriPro	SY Achieve CL2	24	64	--	53.9	18.6
OGI	Doublestop CL+	24	57	72	55.8	19.0
OGI	Smith's Gold	22	65	76	55.5	18.6
OGI	Gallagher	21	65	79	55.1	18.9
OGI	Showdown	21	81	90	54.9	19.2
KWA	KS Western Star	20	64	--	57.1	16.9
Westbred	WB4699	20	64	80	52.4	17.6
OGI	Strad CL+	20	--	--	54.8	18.8
AgriPro	Bob Dole	19	64	72	53.6	20.4
KWA	KS Ahearn	19	--	--	54.1	18.8
LCS	LCS Julep	18	--	--	59.2	19.4
OGI	Iba	18	72	79	57.5	18.1
AGSECO	AG Icon	18	--	--	51.7	19.5
OGI	Green Hammer	17	--	--	57.4	21.5
Westbred	WB4401	17	62	--	56.3	18.5
OGI	Butler's Gold	17	--	--	57.2	20.5
OGI	Baker's Ann	17	63	75	58.0	19.8
AgriPro	AP18 AX	15	--	--	48.0	19.2
OGI	Big Country	14	64	68	54.9	21.5
AgriMAXX	AM Cartwright	12	54	--	53.9	20.6
OGI	OK Corral	9	61	75	46.0	20.8
<b>Experimentals</b>						
	OK15DMASBx7 ARS 8-29	20	--	--	54.4	18.4
<b>Mean</b>		<b>20</b>	<b>65</b>	<b>77</b>	<b>55.4</b>	<b>18.9</b>
<b>LSD (0.05)</b>		<b>3</b>	<b>5</b>	<b>6</b>	<b>3.8</b>	<b>0.6</b>

**Notes:** Grain yield and protein concentration were adjusted to 12% moisture content. Shaded values are not statistically different from the highest value within a column. There was severe drought stress, and high pressure of brown wheat mites and fusarium root rots. We utilized a different statistical analysis for grain yield, test weight, and protein to reduce the impact of the spatial variability possibly caused by heavier fusarium root rots infestation on the north side of the experiment. Therefore, data from previous years will not be combined with the current year to provide long-term averages. The 2-year yield averages include the 2020 and 2021 harvest years. Double-dashes"--" = data not available.