



## Chickasha Regional Intensive Wheat Management Variety Trial

Cooperator: OSU South Central Research Station  
 Planting & harvest dates: 10/21/2022 & 06/07/2023  
 Management: Grain-only, conventional tillage  
 Seeding rate: 1.2 million seeds/acre  
 Nitrogen: 6 lbs/ac 10-34-0 at planting, 80 lbs/ac on 2/20/23 and 60 lbs/ac on 3/15/23

Extension Educator: Denise Wood  
 Previous crop: Austrian winter peas  
 Soil Type: Dale silt loam  
 Soil test: pH=6.6, N= 56, P= 35, K= 221

Fungicide: 2.6 fl oz/ac Tebucure 3.6 at jointing on 3/23/23 and 8.6 fl oz/ac Nexicor at flag leaf-boot stage on 4/12/23

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein
		2022-23	2-Year	3-Year	2022-23	2022-23
		----- bu/ac -----			-- lb/bu --	-- % --
PlainsGold	Breck	94	84	--	62.2	13.8
AgriPro	Bob Dole	94	84	73	60.7	14.0
Westbred	WB4422	94	86	--	60.6	13.9
KWA	KS Providence	93	82	--	60.2	13.3
OGI	Showdown	93	82	69	58.6	13.2
LCS	LCS Helix AX	93	85	72	60.0	13.2
AgriPro	AP Bigfoot	92	--	--	59.6	13.7
Croplan	CP7266AX	92	80	--	60.6	13.7
AGSECO	AG Golden	92	86	--	59.1	12.9
KWA	KS Ahearn	91	83	72	59.2	13.5
AgriPro	AP Prolific	91	82	--	61.6	13.6
OGI	Gallagher	91	83	72	59.6	13.6
OGI	OK Corral	91	82	72	58.7	14.1
PlainsGold	Kivari AX	90	--	--	59.2	12.8
Westbred	WB4401	90	78	68	59.1	13.3
Westbred	WB4632	90	--	--	59.6	12.9
OGI	High Cotton	88	--	--	61.4	13.5
Croplan	CP7017AX	88	82	76	59.6	13.7
PlainsGold	Crescent AX	88	85	71	60.5	13.1
Westbred	WB4792	88	83	76	60.4	13.4
OGI	Big Country	87	72	69	59.5	15.0
OGI	Smith's Gold	87	79	69	60.6	14.1
LCS	LCS Atomic AX	86	81	65	60.1	12.8
PlainsGold	Canvas	85	79	77	59.9	13.4
AgriPro	AP EverRock	85	80	62	59.8	14.0
LCS	LCS Julep	84	76	74	60.0	14.2
LCS	LCS Steel AX	84	77	--	60.0	13.8
AgriMAXX	AM Cartwright	84	76	71	60.0	13.9
AGSECO	AG Radical	82	78	71	58.5	14.5
LCS	LCS Galloway AX	82	--	--	61.2	15.0
OGI	Green Hammer	81	74	64	59.7	16.0
OGI	Doublestop CL+	81	73	70	61.6	15.9
AgriPro	AP Longjack	79	--	--	58.3	15.5
Westbred	WB4523	79	77	--	58.0	13.6
LCS	LCS Chrome	79	72	73	60.3	14.4
LCS	LCS Photon AX	79	73	61	60.9	14.4
OGI	Butler's Gold	78	74	--	60.6	14.7
OGI	Uncharted	77	71	65	59.5	13.9
OGI	Strad CL+	74	69	66	59.5	15.9
<b>Experimentals</b>						
OSU	OK15MASBx7 ARS 8-29	92	84	--	61.0	13.7
OSU	OK19225	87	--	--	62.3	13.6
OSU	OK15DMASBx7 ARS 6-8	82	72	--	61.5	15.2
OSU	OK16107133-19-3	80	--	--	61.3	14.0
<b>Mean</b>		<b>86</b>	<b>79</b>	<b>70</b>	<b>60.1</b>	<b>14.0</b>
<b>LSD (0.05)</b>		<b>7</b>	<b>5</b>	<b>7</b>	<b>1.1</b>	<b>0.7</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 drought stress during the season and received a few timely rains in the spring, which enhanced realized yield in this particular environment relative to the statewide yield average. The rainfall events that occurred during the grain filling period resulted in increased pressure of Leaf rust and Septoria fungal diseases. Double-dashes"--" = data not available.