



## Chickasha Regional Intensive Wheat Management Variety Trial

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<b>Cooperator:</b> OSU South Central Research Station	<b>Extension Educator:</b> Alexandria Minor
<b>Planting &amp; harvest dates:</b> 10/25/2021 & 06/16/2022	<b>Previous crop:</b> Austrian winter peas
<b>Management:</b> Grain-only, conventional tillage	<b>Soil Type:</b> Dale silt loam
<b>Seeding rate:</b> 1.2 million seeds/acre	<b>Soil test:</b> pH=6.6, N= 81, P= 43, K= 377
<b>Nitrogen:</b> 6 lbs/ac 10-34-0 at planting, 87 lbs/ac on 2/15/22 , 60 lbs/ac 3/14/22.	
<b>Fungicide:</b> 4 fl oz/ac Tebucure 3.6 at jointing on 4/1/22 and 9 fl oz/ac Trivapro at flag leaf-boot stage on 4/14/22	

Licensee	Variety	Lodging 2021-22	Grain Yield			Test Weight 2021-22	Wheat Protein 2021-22
			2021-22	2-Year	3-Year		
			----- bu/ac -----			-- lb/bu --	-- % --
PlainsGold	Crescent AX	4	82	62	65	58.1	coming soon
AGSECO	AG Golden	1	81	--	--	56.5	
Westbred	WB4792	2	78	70	72	58.8	
AgriPro	AP Roadrunner	2	78	79	--	57.1	
Westbred	WB4422	2	78	--	--	58.5	
Croplan	CP7017AX	2	77	69	--	57.0	
LCS	LCS Helix AX	2	77	61	--	59.0	
LCS	LCS Atomic AX	2	77	54	--	58.0	
OGI	Gallagher	2	75	62	67	57.8	
AgriPro	Bob Dole	3	75	63	68	57.4	
AgriPro	AP EverRock	2	75	51	--	56.6	
PlainsGold	Breck	2	74	--	--	57.8	
PlainsGold	Sunshine	2	74	--	--	56.0	
KWA	KS Ahearn	3	74	63	--	56.7	
Westbred	WB4523	2	74	--	--	56.1	
OGI	OK Corral	2	73	63	--	55.9	
AGSECO	AG Radical	2	73	66	--	56.2	
AgriPro	AP18 AX	2	73	57	--	57.5	
OGI	Duster	2	73	66	67	57.6	
AgriPro	AP Prolific	3	73	--	--	57.4	
PlainsGold	Guardian	3	73	68	--	59.7	
LCS	LCS Runner	3	73	--	--	58.3	
PlainsGold	Canvas	2	72	73	68	58.0	
LCS	LCS Valiant	2	72	62	--	58.1	
OGI	Showdown	2	71	56	59	57.1	
KWA	KS Providence	2	71	--	--	56.0	
OGI	Smith's Gold	2	71	60	61	59.1	
KWA	KS Hamilton	3	71	71	--	57.8	
OGI	Butler's Gold	3	70	--	--	59.2	
LCS	LCS Steel AX	2	70	--	--	55.5	
OGI	Baker's Ann	1	70	51	57	57.7	
Westbred	WB4699	3	70	71	71	56.1	
AGSECO	AG Icon	1	69	65	66	57.7	
AgriMAXX	AM Cartwright	2	69	64	62	56.9	
Croplan	CP72166AX	2	68	--	--	58.1	
LCS	LCS Julep	1	67	69	--	56.8	
Westbred	WB4401	2	67	58	--	56.0	
LCS	LCS Photon AX	2	67	52	--	59.6	
OGI	Skydance	2	67	50	57	59.0	
AgriPro	SY Achieve CL2	2	66	50	58	58.2	
OGI	Uncharted	2	66	60	64	56.7	
OGI	Doublestop CL+	2	66	64	65	59.3	
OGI	Green Hammer	2	66	55	61	57.9	
LCS	LCS Chrome	2	66	71	66	56.6	
KWA	KS Western Star	3	65	66	--	57.5	
OGI	Strad CL+	1	64	62	--	58.3	
OGI	Big Country	2	56	59	63	57.9	
<b>Experimentals</b>							
	OK15MASBx7 ARS 8-29	3	76	--	--	57.1	
	OK15DMASBx7 ARS 6-8	3	63	--	--	57.7	
<b>Mean</b>		<b>2</b>	<b>71</b>	<b>62</b>	<b>64</b>	<b>57.5</b>	
<b>LSD (0.05)</b>		<b>--</b>	<b>6</b>	<b>10</b>	<b>8</b>	<b>1.0</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 late winter and in the spring, which enhanced realized yield in this particular environment relative to the statewide yield average. There were no diseases observed in this trial. Lodging is reported on a 1 to 5 scale, with 1 indicating no lodging. In 2020, there were no harvest results from this location due to late-spring freeze damage. Thus, the 3-year average represent results from 2019, 2021, and 2022 harvest years. Double-dashes"--" = data not available.