



Chickasha Wheat Variety Trial

Standard vs. Intensive Management Comparison

wheat.okstate.edu

Cooperator: South Central Research Station

Planting & harvest dates: 10/30/2025 & 06/02/2026

Management: Grain -only, conventional tillage

Seeding rate: 60 lb/ac for the standard and 1.2 million seeds/acre for the intensive

Nitrogen: 6 lbs/ac 10-34-0 at planting for both managements, and additional of 60 lbs/ac on 03/10/2026 as urea and 80 lbs/ac on 02/11/2026 as urea fir the intensive management

Extension Educator: Kelly Burrows

Previous crop: Austrian winter peas

Soil Type: Dale silt loam

Soil test: pH= 7.5, N= 38, P= 37, K= 397

Fungicide: none for the standard and 4 fl oz of Tebucure 3.6 at jointing on 03/10/2026 and 13 fl oz of Nexicor at flag leaf on 04/06/2026 for the intensive

Licensee	Variety	Grain Yield			Test Weight			Protein		
		Standard	Intensive	Diff	Standard	Intensive	Diff	Standard	Intensive	Diff
			bu/ac			lb/bu			%	
KWA	KS Bill Snyder	74a	74a	0	64.0a	63.3	-0.7	13.0	13.3	0.3
LCS	LCS Radar	72a	68a	-4	61.7a	60.7	-1.0	13.4	13.6	0.2
AGSECO	AG Golden	69a	70a	1	59.2	62.1	2.9	12.1	13.6	1.5
OGI	Wyatt	67a	75a	8	60.2	62.3	2.1	12.2	13.9	1.7
Croplan	CP7599CLP	67a	69a	2	62.9a	64.2a	1.3	14.2a	15.0	0.8
KWA	KS Tradition	67a	71a	4	62.2a	62.4	0.2	12.8	13.1	0.3
OGI	Paradox	66a	64	-2	61.5a	62.3	0.8	13.1	14.8	1.7
PlainsGold	Canvas	65	72a	7	60.6	63.7a	3.1	12.8	13.9	1.1
LCS	LCS Highnoon	64	74a	10	60.4	62.1	1.7	13.4	13.9	0.5
Croplan	CP7869	64	77a	13	61.2	61.9	0.7	12.3	13.7	1.4
LCS	LCS Mojo	63	73a	10	60.9	62.1	1.2	12.1	13.4	1.3
OGI	Showdown	63	65	2	59.5	61.8	2.3	13.1	13.7	0.6
Westbred	WB4422	63	73a	10	61.2	63.3	2.1	13.2	14.4	1.2
Westbred	WB4347	63	--	--	63.3a	--	--	12.0	--	--
KWA	KS Providence	62	61	-1	60.6	62.2	1.6	14.3a	14.3	0.0
AGSECO	AG Radical	61	75a	14	61.1	62.0	0.9	13.3	14.1	0.8
PlainsGold	Outlaw	61	75a	14	59.5	61.8	2.3	11.5	13.3	1.8
AgriPro	AP Prolific	60	73a	13	61.2	63.1	1.9	12.9	14.5	1.6
Westbred	WB4445CLP	59	65	6	61.3	62.9	1.6	14.2a	14.0	-0.2
USDA-ARS (KS)	Concordia	58	56	-2	60.6	61.8	1.2	13.8	14.6	0.8
LCS	LCS Cowie AX	58	77a	19	62.3a	63.6a	1.3	12.9	13.3	0.4
LCS	LCS Warbird AX	57	70a	13	61.8a	63.4a	1.6	13.0	13.8	0.8
AgriPro	AP Sunbird	57	64	7	60.9	63.0	2.1	12.5	14.0	1.5
LCS	LCS Troubadour AX	56	70a	14	60.5	62.3	1.8	12.6	12.9	0.3
PlainsGold	Kivari AX	56	70a	14	59.7	61.5	1.8	11.5	12.9	1.4
OGI	Smith's Gold	55	56	1	61.9a	63.6a	1.7	13.4	14.4	1.0
AgriPro	AP Tango	55	73a	18	59.3	62.0	2.7	12.6	13.9	1.3
Croplan	CP7017AX	52	61	9	59.5	62.3	2.8	11.7	13.9	2.2
LCS	LCS Aries	52	58	6	60.7	62.6	1.9	12.4	13.9	1.5
OGI	Green Hammer	51	64	13	61.4a	63.4a	2.0	14.4a	15.2	0.8
OGI	Orange Blossom CL+	51	56	5	62.8a	63.6a	0.8	14.7a	15.7a	1.0
Nutrien	Ramsay	50	74a	24	58.5	60.8	2.3	13.1	13.8	0.7
AgriPro	AP24 AX	50	53	3	58.8	62.1	3.3	12.0	14.7	2.7
LCS	LCS Gaucho CL+	50	--	--	62.5a	--	--	13.4	--	--
OGI	Gallagher	50	59	9	61.5a	62.9	1.4	13.5	15.0	1.5
LCS	LCS Turnpike CL+	49	59	10	63.3a	64.2a	0.9	13.3	14.4	1.1
OGI	Doublestop CL+	48	49	1	62.8a	63.8a	1.0	14.0	15.2	1.2
Westbred	WB4459AX	46	60	14	61.3	64.0a	2.7	12.2	12.9	0.7
AgriPro	AP Stocky	44	60	16	57.1	60.2	3.1	13.1	13.7	0.6
Nutrien	Milestone	39	63	24	55.3	58.5	3.2	13.2	14.1	0.9
Nutrien	Cavalry	37	54	17	55.8	58.5	2.7	15.9a	15.4a	-0.5
OGI	High Cotton	--	63	--	--	63.3	--	--	14.1	--
Westbred	WB4792	--	--	--	--	--	--	--	--	--
Experimentals										
KWA	KS20HD134	71a	70a	-1	61.2	62.8	1.6	12.3	13.4	1.1
PlainsGold	CO20022RC	64	70a	6	62.2a	63.8a	1.6	11.6	13.2	1.6
OSU	OK23D89031X	63	67a	4	61.7a	62.1	0.4	13.5	13.5	0.0
OSU	OK23D89088X	60	65	5	62.8a	63.6a	0.8	12.3	14.2	1.9
OSU	OK21DTR1705-91	56	54	-2	60.6	62.0	1.4	12.5	15.7a	3.2
PlainsGold	CO19410R	52	57	5	61.3	62.6	1.3	11.5	14.1	2.6
OSU	OK21DTR1722-16W	49	--	--	58.8	--	--	16.2a	--	--
OSU	OK21611	--	54	--	--	63.0	--	--	14.7	--
OSU	OK21DTR1722-62	--	65	--	--	62.5	--	--	16.1a	--
Mean		58	65	7	60.8	62.4	1.6	13.0	14.1	1.1
LSD (0.05)		8	10	--	1.9	0.8	--	2.0	0.7	--

Notes: Grain yield and protein concentration were adjusted to 12% moisture content. a: Shaded values are not statistically different from the highest value within a column. Varieties High Cotton, OK21611, OK21DTR1722-62, and WB4792 were excluded from the standard management trial analysis due to severe freeze injury, which was more severe on the west side of the trial. Varieties LCS Gaucho CL+, OK21DTR1722-16W, WB4347, and WB4792 were excluded from the intensive management trial analysis due to severe freeze injury, which was more severe on the west side of the trial. OK Corral was excluded from the analysis due to deer damage. Double-dashes "--"=data not available.