



# Apache Intensive Management Wheat Variety Trial

wheat.okstate.edu

Cooperator: Bryan Vail

Extension Educator: Quentin Scott

Planting & harvest dates: 10/16/2023 & 06/13/2024

Previous crop: Wheat

Management: Grain-only, no-till

Soil type: Hollister silt loam

Seeding rate: 1.2 million seeds/acre

Soil test: pH=5.1, N= 100, P= 71, K= 447

Nitrogen: 6 lbs/acre 10-34-0 at planting, 70 lbs/ac as urea on 2/1/2024

Fungicide: 4 fl/oz Tebucure 3.6 at jointing on 03/14/24 and 10 fl/oz MiCrop at flag leaf on 4/4/24

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein
		2023-24	2-year	3-year	2023-24	2023-24
		----- bu/ac -----			-- lb/bu --	-- % --
PlainsGold	Canvas	75	75	69	59.7	13.4
Westbred	WB4632	75	--	--	59.7	13.4
AGSECO	AG Golden	71	73	--	57.4	13.2
Croplan	CP7017AX	70	73	66	59.5	13.7
OGI	Paradox	70	71	--	59.6	13.6
PlainsGold	Kivari AX	70	--	--	58.0	13.4
OGI	High Cotton	70	74	--	60.0	13.9
AgriPro	AP Roadrunner	69	--	--	58.0	14.3
AgriPro	AP Bigfoot	67	70	--	58.7	14.7
OGI	Gallagher	67	69	60	59.6	14.5
OGI	Breadbox	66	--	--	60.3	14.5
OGI	Showdown	66	73	69	58.1	14.1
OGI	Uncharted	64	69	60	57.7	14.6
Croplan	CP7869	63	--	--	59.6	14.0
Westbred	WB4401	63	63	56	59.5	13.9
KWA	KS Providence	63	71	--	58.9	14.3
LCS	LCS Photon AX	62	64	60	57.4	14.0
OGI	Smith's Gold	60	63	56	60.5	14.6
LCS	LCS Galloway AX	60	--	--	59.1	14.5
OGI	Doublestop CL+	60	67	60	59.2	16.4
LCS	LCS Atomic AX	60	67	63	57.5	14.1
OGI	Strad CL+	59	64	58	58.7	15.5
OGI	OK Corral	59	63	55	58.2	13.5
OGI	Green Hammer	59	66	60	59.0	15.9
OGI	Butler's Gold (late-planted)	56	47	41	59.8	16.0
OGI	Firebox	56	66	62	59.5	14.5
	<b>Experimentals</b>					--
OSU	OK16107133-19-4	66	--	--	57.4	14.7
OSU	OK20708	64	--	--	59.1	14.3
OSU	OK16107133-19-3	62	68	--	58.7	14.8
OSU	OK198417C	61	--	--	60.3	15.0
	<b>Mean</b>	<b>64</b>	<b>67</b>	<b>60</b>	<b>58.9</b>	<b>14.4</b>
	<b>LSD (0.05)</b>	<b>8</b>	<b>6</b>	<b>5</b>	<b>0.9</b>	<b>0.6</b>

**Notes:** Grain yield was adjusted to 12% moisture content. Shaded values were not statistically different from the highest value within a column. There was a low lodging severity in the trial. Butler's Gold late planted was planted on 12/04/2023. Test Double-dashes "-" = data not available.