



Apache Intensive Wheat Management Variety Trial

wheat.okstate.edu

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Planting & harvest dates: 10/14/2022 & 06/09/2023

Previous crop: Wheat

Management: Grain-Only, conventional tillage

Soil Type: Hollister silt loam

Seeding rate: 1.2 million seeds/acre

Soil test: pH=5.5, N= 103, P= 37, K= 336

Nitrogen: 6 lbs/acre 10-34-0 and 75 lbs/ac around 01/25/23

Fungicide: 2 fl oz/ac Tebucure 3.6 at jointing on 03/23/23 and 7 fl oz/ac MiCrop at flag leaf-boot stage on 04/12/23

Licensee	Variety	Grain Yield		Test Weight	Wheat Protein
		2022-2023	2-year	2022-2023	2022-2023
		Intensive Manag.	Intensive Manag.	Intensive Manag.	Intensive Manag.
		----- bu/ac -----		-- lb/bu --	-- % --
OGI	Showdown	81	70	58.9	12.7
KWA	KS Providence	79	--	58.8	13.5
OGI	High Cotton	78	--	60.7	13.4
Westbred	WB4792	77	57	61.1	12.7
AGSECO	AG Golden	75	--	57.8	12.5
PlainsGold	Canvas	75	66	58.4	13.0
OGI	Iba	75	--	60.2	13.0
Croplan	CP7017AX	75	63	57.2	12.5
OGI	Uncharted	75	59	59.1	13.3
OGI	Doublestop CL+	75	60	62.2	13.9
Croplan	CP7266AX	74	--	58.6	12.8
LCS	LCS Atomic AX	74	65	59.1	12.9
OGI	Green Hammer	73	61	58.7	14.7
AgriPro	AP Bigfoot	72	--	58.0	12.7
PlainsGold	Crescent AX	72	--	58.4	12.9
OGI	Gallagher	70	57	58.8	13.0
LCS	LCS Julep	69	51	62.4	13.5
OGI	Strad CL+	69	57	60.2	14.1
OGI	OK Corral	67	54	57.0	12.9
OGI	Smith's Gold	66	54	60.0	13.7
LCS	LCS Photon AX	66	59	60.6	14.3
AgriMAXX	AM Cartwright	65	51	58.9	14.2
Westbred	WB4523	65	--	57.3	12.5
Westbred	WB4401	64	53	59.5	12.6
OGI	Butler's Gold	56	46	60.3	14.0
OGI	Butler's Gold (late-planted)	39	34	58.2	15.4
Experimentals					
OSU	OK15DMASBx7 ARS 6-8	77	64	60.5	13.8
OSU	OK19225	75	--	61.7	13.5
OSU	OK16107133-19-3	74	--	60.1	14.0
OSU	OK15MASBx7 ARS 8-29	71	--	59.2	13.0
Mean		71	57	59.4	13.4
LSD (0.05)		7	5	1.7	0.8

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. This is the second year we have conducted an intensive management trial at Apache. For this reason, there is no data to calculate 3-year average. Butler's Gold late-planted was planted on 12/06/2022. There were no diseases observed and the crop was impacted by a drought stress during the season. Double-dashes"--" = data not available.