



Apache Intensive Management Wheat Variety Trial 2021-2022

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Cooperator: Bryan Vail	Extension Educator: Cade Miller
Planting & harvest dates: 10/26/2021 & 06/06/2022	Previous crop: Wheat
Management: Grain-Only, conventional tillage	Soil Type: Hollister silt loam
Seeding rate: 1.2 million seeds/acre	Soil test: pH=5.8, N= 49, P= 26, K= 383
Nitrogen: 6 lbs/acre 10-34-0, 75 lbs/ac on 12/07/21, and 70 lbs/ac on 03/03/22	
Fungicide: 4 fl oz/ac Tebucure 3.6 at jointing on 04/01/22 and 9 fl oz/ac Trivapro at flag leaf-boot stage on 04/14/22	

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein
		2021-22 Intensive Manag.	2020-21 Fungicide	No Fungicide	2021-22	2021-22
					-- lb/bu --	-- % --
OGI	Showdown	60	61	66	58.8	13.3
LCS	LCS Atomic AX	56	--	--	58.1	13.3
PlainsGold	Canvas	56	75	78	59.9	13.6
AgriPro	AP18 AX	53	--	--	57.4	13.9
LCS	LCS Photon AX	52	58	59	60.1	15.3
AGSECO	AG Icon	52	--	--	58.2	15.2
Croplan	CP7017AX	52	--	--	58.1	13.5
KWA	KS Hamilton	51	--	--	59.5	13.6
PlainsGold	Guardian	49	--	--	61.2	14.7
OGI	Green Hammer	48	46	51	58.7	16.3
AgriPro	AP Roadrunner	47	--	--	58.2	14.2
KWA	KS Western Star	47	75	73	60.7	14.4
OGI	Strad CL+	45	--	--	58.5	15.4
OGI	Doublestop CL+	45	55	60	60.6	16.7
OGI	Gallagher	44	56	60	58.4	15.4
OGI	Uncharted	43	35	39	58.0	15.1
Westbred	WB4401	43	--	--	55.8	14.0
OGI	Smith's Gold	43	49	53	60.1	15.4
OGI	OK Corral	41	51	56	53.3	15.1
OGI	Big Country	39	54	58	58.8	16.4
Westbred	WB4792	38	66	70	61.0	15.3
AgriMAXX	AM Cartwright	37	--	--	57.7	16.8
OGI	Skydance	36	53	53	59.5	16.3
OGI	Butler's Gold	35	--	--	59.2	15.7
LCS	LCS Julep	33	--	--	56.7	16.0
OGI	Butler's Gold (late-planted)	29	--	--	59.7	17.7
Experimentals						
	OK15DMASBx7 ARS 6-8	52	--	--	59.9	15.1
Mean		45	55	60	58.7	15.1
LSD (0.05)		6	6	7	1.2	0.5

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 first year we have conducted an intensive management trial at Apache. For this reason, data from previous years were not combined. Data from the trials conducted at Apache with and without fungicide in the 2020-2021 growing season are shown only for varieties planted in the 2021-2022 growing season. Butler's Gold late-planted was planted on 12/07/2021. There were no diseases observed and the crop was impacted by a severe drought stress during the season. Double-dashes "--" = data not available.