



Lahoma Regional Wheat Variety Trial

wheat.okstate.edu

Cooperator: OSU North Central Research Station
 Extension Educator: Rick Nelson
 Planting & harvest dates: 10/20/2021 & 06/14/2022
 Previous crop: Wheat
 Management: Grain-only
 Soil Type: Pond Creek silt loam
 Tillage: Conventional
 Soil test: pH=5.3, N= 110, P= 118, K= 412

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein
		2021-22	2020-21	2-Year	2021-22	2021-22
		----- bu/ac -----			-- lb/bu --	-- % --
Westbred	WB4422	93	--	--	59.6	15.1
AGSECO	AG Golden	92	--	--	59.3	12.8
AgriPro	AP Prolific	90	--	--	60.5	14.1
LCS	LCS Helix AX	89	60	--	61.1	13.6
Croplan	CP7017AX	88	79	--	57.8	13.4
AGSECO	AG Radical	87	57	--	59.3	14.3
OGI	Showdown	85	60	74	59.4	13.7
PlainsGold	Canvas	85	52	72	59.8	13.9
LCS	LCS Steel AX	84	--	--	58.7	13.8
AgriMAXX	AM Cartwright	83	58	80	58.9	14.3
PlainsGold	Breck	82	--	--	61.4	14.1
OGI	Bentley	81	68	78	58.7	14.1
AgriPro	Bob Dole	80	58	75	60.3	14.9
Westbred	WB4699	80	70	83	58.7	13.5
PlainsGold	Sunshine	79	--	--	60.4	14.2
KWA	KS Ahearn	79	61	--	57.8	13.9
Westbred	WB4401	79	59	79	59.6	13.6
KWA	KS Western Star	78	56	67	59.7	13.6
AgriPro	AP Roadrunner	78	80	--	58.2	14.2
LCS	LCS Runner	78	--	--	60.0	13.6
LCS	LCS Valiant	78	59	--	60.3	14.5
AgriPro	AP18 AX	78	55	--	58.3	14.5
LCS	LCS Atomic AX	78	68	--	59.8	14.3
PlainsGold	Crescent AX	77	55	73	60.3	13.8
LCS	LCS Julep	77	57	--	62.0	15.1
Croplan	CP72166AX	76	--	--	59.7	14.0
LCS	LCS Photon AX	76	58	75	59.9	15.1
KWA	KS Providence	76	--	--	58.5	14.9
OGI	Gallagher	76	61	74	59.4	14.7
OGI	OK Corral	75	60	76	57.5	14.3
OGI	Smith's Gold	75	66	75	60.1	14.4
Westbred	WB4792	75	64	81	60.2	13.9
LCS	LCS Chrome	75	64	76	58.9	15.6
OGI	Baker's Ann	74	63	77	59.4	14.9
AGSECO	AG Icon	74	56	74	58.5	15.7
OGI	Duster	73	56	64	57.8	14.2
Westbred	WB4523	73	--	--	58.0	13.5
KWA	KS Hamilton	72	68	--	58.5	14.0
PlainsGold	Guardian	71	58	71	60.4	14.8
OGI	Doublestop CL+	71	53	74	61.7	16.1
OGI	Skydance	71	60	--	61.1	15.6
OGI	Strad CL+	68	61	80	59.0	16.8
AgriPro	AP EverRock	67	57	73	59.0	14.8
OGI	Green Hammer	66	66	77	59.1	17.1
OGI	Uncharted	65	68	76	58.4	15.1
OGI	Butler's Gold	64	--	--	60.5	15.9
AgriPro	SY Achieve CL2	63	59	74	59.8	15.4
OGI	Big Country	61	61	67	57.8	15.8
OGI	Butler's Gold (late-planted)	48	--	--	59.8	17.0
Experimentals						
	OK15MASBx7 ARS 8-29	85	57	--	58.8	13.9
	Mean	76	61	76	59.4	14.6
	LSD (0.05)	9	NS	8	1.0	0.5

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. This was the first year to conduct an intensive management (IM) trial at Lahoma. Due to this addition and the use of a different experimental design, data from previous years were not be combined with the current year to provide long-term averages. Data from the trials conducted at Lahoma with and without fungicide in the 2020-2021 growing season are shown only for varieties planted in the 2021-2022 growing season. The 2-year yield averages include the 2020 and 2021 harvest years. Butler's Gold late-planted was planted on 12/3/2021 at 1.4 million seeds/acre. Double-dashes"--" = data not available.