



Altus Regional Wheat Variety Trial

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Cooperator: OSU Southwest Res. & Ext. Center				Extension Educator: Halee Salmon				
Planting & harvest dates: 10/13/2023 & 6/8/2024				Previous crop: Wheat				
Management: Grain-only				Soil Type: Hollister silt clay loam				
Tillage: Conventional				Soil test: pH= 6.7, N= 30, P= 59, K= 774				
Licensee	Variety	Grain Yield			Test Weight	Protein	Stripe rust	Stripe rust
		2023-2024	2-Year	3-Year	2023-2024	2023-2024	severity March	severity April
		----- bu/ac -----			-- lb/bu --	-- % --	-- % --	-- % --
OGI	OK Corral	49	43	49	56.3	18.1	3	10
OGI	Showdown	45	46	57	59.3	16.4	15	40
LCS	LCS Warbird AX	45	--	--	57.7	15.4	25	35
KWA	KS Providence	44	43	--	58.0	16.7	5	55
OGI	High Cotton	43	45	--	58.5	16.2	7	13
Croplan	CP7869	41	--	--	57.4	15.8	30	18
OGI	Paradox	41	38	--	58.3	16.6	11	50
Westbred	WB4401	41	39	43	57.5	17.0	5	20
AgriPro	AP Roadrunner	40	--	--	57.6	16.9	20	65
OGI	Breadbox	40	--	--	57.9	16.4	12	50
OGI	Firebox	40	44	--	59.9	16.7	10	20
OGI	Strad CL+	40	43	--	58.1	16.9	7	23
Armor	AR Turret 25	39	--	--	57.3	16.6	10	23
PlainsGold	Canvas	38	43	54	57.6	14.7	30	45
LCS	LCS Radar	38	--	--	57.3	17.0	22	18
OGI	Smith's Gold	38	38	47	59.5	15.7	13	20
OGI	Doublestop CL+	36	42	47	60.2	17.2	17	23
Westbred	WB4792	36	42	51	60.3	15.1	15	80
AGSECO	AG Golden	36	39	--	58.8	15.0	50	65
LCS	LCS Helix AX	36	42	50	59.2	14.5	12	75
Croplan	CP7220	35	--	--	59.6	14.9	17	85
LCS	LCS Atomic AX	34	45	53	58.8	17.2	12	23
OGI	Green Hammer	34	41	49	59.2	18.1	25	50
AgriPro	AP24 AX	34	--	--	57.3	15.5	5	70
Armor	AR Iron Eagle 22AX	33	--	--	58.5	15.1	25	80
PlainsGold	Crescent AX	33	39	48	59.2	15.4	20	85
OGI	Uncharted	33	37	46	58.0	16.1	20	50
Croplan	CP7017AX	32	41	49	58.8	14.7	50	88
PlainsGold	CO18035RA	31	--	--	57.7	16.0	20	60
KWA	KS Mako	31	--	--	59.7	15.6	25	80
OGI	Gallagher	31	34	43	59.8	16.7	20	38
LCS	LCS Galloway AX	29	36	--	58.4	17.1	30	80
OGI	Butler's Gold (late-planted)	26	30	--	59.1	17.7	15	30
OGI	Iba	26	33	--	59.0	15.3	35	65
Westbred	WB4422	24	37	--	60.3	14.9	35	90
LCS	LCS Runner	24	--	--	58.1	14.6	10	80
PlainsGold	Kivari AX	24	33	--	57.9	16.0	40	85
PlainsGold	Byrd CL Plus	23	--	--	58.0	16.3	25	70
LCS	LCS Steel AX	23	32	--	58.4	15.9	50	85
AgriPro	AP Bigfoot	22	35	44	57.9	16.6	12	90
OGI	Bentley	21	35	45	57.1	13.9	20	65
LCS	LCS Photon AX	21	39	49	57.9	15.1	20	90
AgriPro	SY Wolverine	17	--	--	--	17.8	40	90
AgriPro	AP Sunbird	15	--	--	58.4	14.8	55	90
AGSECO	AG Radical	14	27	43	57.7	17.0	40	80
LCS	LCS Julep	12	27	37	57.1	16.8	60	98
PlainsGold	Whistler	11	--	--	--	16.3	15	95
Westbred	WB4632	6	27	--	--	15.6	39	100
Experimentals								
OSU	OK16107133-19-3	37	35	--	58.6	17.6	10	25
OSU	OK16107133-19-4	39	--	--	57.3	17.1	17	25
OSU	OK198417C	49	--	--	60.3	17.7	5	13
OSU	OK20708	38	--	--	59.8	16.5	5	30
Mean		32	38	48	58.5	16.2	22	56
LSD (0.05)		8	9	7	1.2	1.6	--	--

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. Stripe rust fungal disease was observed at severe pressure in the season. Severity ratings were collected on March 22 (around flag leaf emergence stage) and on April 30 (around heading). Test weight is not available for some varieties due to small grain sample size caused by stripe rust infection. Double-dashes "--"=data not available.