



Chickasha Regional Wheat Variety Trial

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Cooperator: OSU South Central Research Station
Planting & Harvest Dates: 10/16/2023 & 06/14/2024
Management: Grain-Only
Tillage: Conventional

Extension Educator: Kelly Burrows
Previous Crop: Austrian winter peas
Soil Type: Dale silt loam
Soil Test: pH=7.5, N=93, P=46, K=314

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein	Lodging rating	Stripe rust severity	Leaf rust severity
		2023-24	2-Year	3-year					
		-----bu/ac-----			-- lb/bu --	-- % --	0 - 5	-- % --	-- % --
OGI	Paradox	86	84	79	56.7	12.6	3*	5	0
OGI	Breadbox	83	—	—	57.2	12.7	2	0	0
Westbred	WB4401	81	79	73	59.2	11.4	1*	10	15
Westberd	WB4792	80	76	73	57.7	11.6	0	75	0
OGI	High Cotton	80	76	—	59.1	12.1	2*	0	10
AgriPro	AP Prolific	80	82	75	55.7	12.5	2*	25	0
OGI	Unchartered	79	74	69	57.3	12.5	2*	15	15
OGI	Showdown	79	80	76	56.4	11.7	1*	10	30
KWA	KS Providence	77	80	76	56.0	12.3	2	55	0
LCS	LCS Radar	77	—	—	57.7	12.5	1*	10	0
OGI	Strad CL+	76	73	69	56.7	12.2	2*	0	0
AgriPro	AP Roadrunner	76	—	—	54.7	12.2	1	10	5
AGSECO	AG Golden	75	79	75	55.1	11.0	1*	25	5
OGI	Gallagher	74	78	74	56.5	11.8	2	30	10
LCS	LCS Warbird AX	73	—	—	57.8	13.0	1*	15	20
OGI	Doublestop CL+	73	76	70	59.0	13.1	1	0	10
KWA	KS Mako	72	—	—	56.9	11.9	0	40	20
OGI	Green Hammer	72	72	68	57.7	13.4	1	10	15
OGI	Firebox	72	69	62	59.0	13.0	2*	0	20
AgriPro	Bob Dole	71	79	75	57.1	12.5	2	55	0
PlainsGold	Canvas	71	74	73	55.9	11.8	2*	25	40
Croplan	CP7869	71	—	—	56.7	12.4	4*	0	0
PlainsGold	Crescent AX	70	73	72	58.8	11.9	3*	60	25
Agripro	AP24 AX	70	—	—	56.3	10.6	1	60	55
LCS	LCS Helix AX	70	74	72	58.8	12.3	2*	60	5
Armor	AR Turret 25	70	—	—	57.0	12.7	3*	15	0
OGI	Smith's Gold	69	72	70	58.9	12.3	1	0	20
PlainsGold	CO18035RA	68	—	—	55.5	11.9	2*	50	40
LCS	LCS Atomic AX	66	71	73	56.1	13.2	2	15	10
OGI	Big Country	66	76	65	58.1	12.6	1	0	0
LCS	LCS Steel AX	66	73	71	54.9	12.0	1*	65	15
AgriPro	AP Bigfoot	65	71	—	56.2	11.2	2*	60	0
Croplan	CP7220	65	—	—	57.1	11.5	1*	50	40
Armor	AR Iron Eagle 22AX	64	—	—	54.4	11.3	2*	55	40
LCS	LCS Galloway AX	63	67	—	57.9	12.6	0*	30	5
AgriPro	SY Wolverine	62	—	—	52.6	12.9	4*	90	10

LCS	LCS Runner	62	—	—	56.0	11.0	1*	70	20
LCS	LCS Photon AX	61	67	66	54.3	12.4	2*	80	20
Croplan	CP7017AX	61	68	68	54.7	11.6	2*	60	40
Westbred	WB4422	59	72	70	52.8	12.8	4*	85	10
PlainsGold	Byrd CL Plus	57	—	—	53.3	12.5	3*	70	50
Westbred	WB4632	57	71	—	53.9	11.5	4*	100	20
PlainsGold	Kivari AX	57	70	—	52.5	11.5	3*	85	20
OGL	Butler's Gold (late-planted)	56	—	—	59.1	12.3	1	0	20
LCS	LCS Julep	46	63	64	54.2	12.5	1*	70	30
PlainsGold	Whistler	42	—	—	53.7	10.1	5*	50	70
AGSECO	AG Radical	39	56	57	50.0	13.0	3*	70	5
OGL	OK Corral	—	—	—	56.1	11.7	2*	5	30
Experimentals									
OSU	OK16107133-19-4	82	—	—	56.3	12.0	0	0	20
OSU	OK20708	80	—	—	56.5	11.7	1	10	5
OSU	OK198417C	79	—	—	58.8	12.5	0	0	0
OSU	OK16107133-19-3	76	78	—	57.2	11.9	1	0	20
Mean		69	73	70	56.3	12.1	2	34	17
LSD (0.05)		9	8	7	1.2	1.3	—	—	—

Notes: Grain yield was adjusted to 12% moisture content. Shaded values were not statistically different from the highest value within a column. Butler's Gold late-planted was planted on 12/04/2023. Lodging was evaluated at harvest on a 0 to 5 scale with 0 indicating no lodging and 5 plot completely lodged. * Brackling was observed. OK Corral had a 20% yield loss due to deer damage and yield data was removed from standard management trial. Stripe and leaf rust fungal diseases were observed at moderate to severe pressure in the season. Disease severity ratings were collected on April 30 (around anthesis). The trial received 3.8" rainfall between harvest maturity and the time it could be harvested, thus driving down test weight. Em Dash "—" = data not available.