



Chickasha Regional Intensive Wheat Management Variety Trial

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Cooperator: South Central Research Station	Extension Educator: Kelly Burrows
Planting date: 10/16/2023	Previous crop: Austrian winter peas
Harvest date: 6/14/2024	Soil type: Dale silt loam
Tillage: Conventional	Soil test: pH= 7.5, N= 93, P= 46, K= 314
Nitrogen: 6 lbs/ac 10-34-0 at planting, 40 lbs/ac 2/19/24, and 60 lbs/ac on 3/14/24	
Fungicide: 2.5 oz/ac Tebucure 3.6 at jointing 3/14/24 and 9 oz/ac at flag leaf-boot stage on 4/3/24	

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein	Lodging rating
		2023-24	2-Year	3-Year	2023-24	2023-24	
		----- bu/ac -----			-- lb/bu --	-- % --	0 - 5
Westbred	WB4422	101	98	91	58.8	13.0	0
Westbred	WB4632	99	94	--	57.4	11.3	0
Armor	AR Iron Eagle 22AX	98	--	--	57.7	11.9	1
Croplan	CP7017AX	98	93	88	57.8	11.6	0
OGI	Showdown	95	94	86	57.2	12.2	1
AgriPro	SY Wolverine	94	--	--	54.4	12.4	2
KWA	KS Mako	94	--	--	58.6	12.1	1
LCS	LCS Steel AX	93	88	82	57.5	11.7	1
Westbred	WB4401	92	91	83	59.0	11.1	1*
Westbred	WB4792	92	89	85	58.8	11.4	0
OGI	Paradox	91	92	86	56.5	11.9	1
AGSECO	AG Golden	91	91	88	56.0	11.7	0
LCS	LCS Radar	91	--	--	58.3	12.4	1*
PlainsGold	Byrd CL Plus	90	--	--	57.7	11.4	1
OGI	High Cotton	90	89	--	58.6	12.1	2
AgriPro	AP Roadrunner	89	--	--	56.0	12.4	0
PlainsGold	Canvas	89	87	82	57.2	12.4	0
PlainsGold	CO18035RA	88	--	--	57.4	11.9	1
OGI	Strad CL+	85	79	74	57.1	13.1	0
AGSECO	AG Radical	85	84	80	54.8	12.2	0
LCS	LCS Julep	85	85	79	58.6	12.1	1
AgriPro	AP Prolific	84	88	83	55.2	13.3	1
Croplan	CP7220	84	--	--	57.3	11.4	0
PlainsGold	Whistler	84	--	--	57.1	11.1	2
AgriPro	AP24 AX	83	--	--	56.5	11.8	0
Armor	AR Turret 25	83	--	--	57.1	12.0	1*
PlainsGold	Kivari AX	82	86	--	55.8	11.6	3
AgriPro	AP Bigfoot	82	87	--	57.2	12.1	2
LCS	LCS Helix AX	82	88	84	59.3	12.0	1
OGI	Gallagher	82	87	83	56.9	12.1	1*
LCS	LCS Runner	82	--	--	57.2	11.6	1*
OGI	Firebox	82	82	75	59.1	13.3	1*
OGI	Breadbox	81	--	--	56.7	11.2	1
OGI	OK Corral	80	85	81	56.6	11.3	1
AgriPro	Bob Dole	79	87	83	57.0	12.7	3
LCS	LCS Atomic AX	79	82	80	56.5	12.3	1
LCS	LCS Photon AX	79	79	75	57.3	11.8	1
OGI	Smith's Gold	78	82	78	58.9	12.3	1
OGI	Uncharted	77	77	73	56.9	12.4	1
Croplan	CP7869	77	--	--	57.2	11.6	1*
LCS	LCS Galloway AX	76	79	--	58.3	12.9	0
KWA	KS Providence	76	85	80	56.0	12.3	0
PlainsGold	Crescent AX	75	81	82	58.9	12.2	2
LCS	LCS Warbird AX	74	--	--	58.0	11.7	0
OGI	Green Hammer	73	77	74	58.4	13.1	1
OGI	Big Country	71	79	72	57.8	12.1	0
OGI	Doublestop CL+	70	75	72	58.6	12.6	0
OGI	Butler's Gold (late-planted)	54	--	--	58.5	13.7	0
Experimentals							
OSU	OK16107133-19-4	93	--	--	56.5	11.6	0
OSU	OK198417C	88	--	--	59.5	12.1	1
OSU	OK20708	88	--	--	57.0	11.7	1*
OSU	OK16107133-19-3	72	76	--	56.7	12.3	0.0
Mean		84	85	81	57.4	12.1	1
LSD (0.05)		12	8	6	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. 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. Double-dashes"--" = data not available.