



Chickasha Intensive Wheat Management Variety Trial

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Cooperator: OSU South Central Res. Station

Ext. Educator: David Nowlin

Planting & harvest dates: 10/21/16 & 6/5/17

Previous crop: Austrian winter pea

Soil type: Dale silt loam

Management: Grain-only, conventional tillage

Soil test: pH = 7.0, P = 69, K = 403

Nitrogen: 85 lb/ac soil test + 9 lb/ac at planting + 40 lb/ac topdress 3/3/17

Fungicide: 4 oz/ac Tilt at jointing on 3/3/17 + 13 oz/ac Nexicor at heading on 4/6/17

Source	Variety	Grain Yield			Test Weight	Lodging
		2016-17	2-Year	3-Year	2016-17	2016-17
		-----bu/ac-----			--lb/bu--	1 - 5
AGSECO	TAM 114	61	76	77	57.0	2
WestBred	WB-Grainfield	61	68	70	56.6	1
WestBred	WB-Cedar	58	77	78	57.6	2
WestBred	Winterhawk	58	74	71	58.0	3
WestBred	WB4515	58	75	-	57.6	1
WestBred	WB4269†	57	-	-	56.7	2
LCS	T158	56	72	75	57.1	2
OGI	Duster	56	62	61	56.7	3
AGSECO	Hot Rod	54	-	-	54.2	1
OGI	Smith's Gold‡	54	69	69	58.0	2
OGI	Iba	53	67	69	57.3	3
Syngenta	SY Achieve CL2†	53	-	-	57.8	1
WestBred	WB4721	52	62	-	57.2	2
OGI	NF 101	52	64	64	56.3	2
WestBred	WB4303	51	77	-	55.2	2
Syngenta	SY Benefit†	50	-	-	57.3	4
KWA	Joe	50	63	-	56.1	2
OGI	Ruby Lee	49	70	68	57.0	2
KWA	Tatanka	49	66	-	57.2	2
Syngenta	Bob Dole†	49	-	-	56.4	3
LCS	LCS Pistol	48	59	61	56.0	1
OGI	Doublestop CL Plus	48	61	61	57.7	2
OGI	Gallagher	48	71	72	56.9	3
Syngenta	SY Grit	48	71	-	57.5	2
LCS	LCS Wizard	47	67	67	57.6	1
OGI	Bentley	47	65	68	55.6	2
KWA	Zenda	46	66	-	56.2	2
Syngenta	SY Flint	46	68	71	55.8	2
Dyna-Gro	Long Branch	45	50	-	52.3	1
WestBred	WB4458	45	74	76	55.7	2
OGI	Billings	44	69	72	56.6	2
Syngenta	SY Llano	43	64	66	58.3	2
Watley	TAM 204	42	72	71	53.2	2
Syngenta	SY Razor	42	58	-	58.0	2
Syngenta	SY Rugged†	42	-	-	55.4	2
KWA	Larry	42	63	-	56.3	1
AGSECO	AG Icon†	41	-	-	56.5	1
Syngenta	SY Drifter	41	63	63	57.1	2
OSU	Endurance	41	57	59	56.4	2
OGI	Stardust	39	-	-	56.1	1
LCS	LCS Chrome	39	61	66	51.4	2
AGSECO	AG Robust	36	64	-	55.4	3
LCS	LCS Mint	32	55	60	54.6	2
Experimentals						
	OK12716R/W	54	-	-	56.4	2
	OK13621	54	-	-	57.4	3
	OK13209	48	-	-	57.7	2
	OK12D22002-077	43	-	-	56.4	2
	Mean	48	66	68	56.4	2
	LSD (0.05)	7	9	6	1.3	

Notes: Grain yields adjusted to 12% moisture. Shaded values are not statistically different from the highest value within a column. Lodging on a 1 - 5 scale with 1 indicating no lodging. Severe leaf rust and low stripe rust pressure during grain fill. Wheat streak mosaic and barley yellow dwarf were also present during grain fill. All plots were treated with 3.8 oz/ac lambda-cyhalothrin on 3/14/17.

† Variety entered into the 2016-17 trials as experimental line: AG Icon = KS080448C*-102; Bob Dole = KS061193K-2; SY Achieve CL2 = 07CL041-1; SY Benefit = 06BC362-8; SY Rugged = AP11T2222; WB4269 = H4N12-0038.

‡ Variety tested and reported as an experimental line in previous trial(s): Smith's Gold = OK11D25056.

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