



Altus Regional Wheat Variety Trial

wheat.okstate.edu

Cooperator: Southwest Res. & Ext. Center **Ext. Educator: Gary Strickland**

Planting & harvest dates: 10/20/16 & 6/1/17

Management: Grain-only

Tillage: Conventional

Previous crop: Wheat

Soil type: Hollister silty clay loam

Soil test: pH = 7.1, P = 113, K = 907

Source	Variety	Hail Injury	Grain Yield			Test Weight	Lodging
			2016-17	2-Year	3-Year	2016-17	2016-17
			-----bu/ac-----			--lb/bu--	1 - 5
WestBred	WB4269 [†]	4	39	-	-	58.2	1
KWA	Joe	3	39	45	-	59.7	2
Syngenta	Bob Dole [†]	4	38	-	-	59.4	2
WestBred	WB4721	4	36	44	-	61.4	1
OGI	Smith's Gold [‡]	4	34	45	45	59.6	2
Syngenta	SY Achieve CL2 [†]	4	34	-	-	58.9	2
WestBred	Winterhawk	4	34	43	46	60.1	3
OGI	Duster	2	34	42	43	59.1	4
AGSECO	TAM 114	4	33	38	40	59.2	2
OGI	Iba	3	32	42	44	58.8	3
OGI	Gallagher	4	32	37	40	60.9	2
OGI	Doublestop CL Plus	4	32	36	40	61.3	2
Dyna-Gro	Long Branch	4	32	41	-	55.2	3
KWA	Zenda	4	32	40	-	59.9	2
OGI	Stardust	3	31	-	-	57.4	3
LCS	T158	4	31	43	43	58.0	3
AGSECO	AG Icon [†]	4	31	-	-	58.8	2
WestBred	WB-Cedar	3	31	34	39	58.9	1
Syngenta	SY Llano	4	30	31	30	57.8	2
Syngenta	SY Drifter	4	30	39	42	60.5	1
KWA	Tatanka	4	30	45	-	57.5	3
WestBred	WB4515	3	30	38	-	58.7	3
AGSECO	Hot Rod	4	29	-	-	58.6	1
Syngenta	SY Razor	4	29	34	-	61.5	2
WestBred	WB4303	3	28	36	-	54.7	2
OGI	Billings	4	28	32	36	61.3	2
WestBred	WB4458	2	28	37	39	57.0	2
Syngenta	SY Rugged [†]	4	27	-	-	53.3	3
AGSECO	AG Robust	4	27	36	-	58.9	3
OGI	Ruby Lee	4	27	25	31	59.6	3
LCS	LCS Pistol	4	27	30	36	57.9	4
Syngenta	SY Flint	2	26	39	43	59.8	3
LCS	LCS Chrome	4	26	41	45	55.8	2
LCS	LCS Wizard	5	26	28	31	59.3	2
OGI	Bentley	4	25	37	43	54.6	2
Syngenta	SY Grit	5	25	34	-	56.9	3
Syngenta	SY Benefit [†]	3	24	-	-	58.3	3
OSU	Endurance	4	24	29	35	58.4	3
OGI	NF 101	3	23	23	29	59.7	2
LCS	LCS Mint	4	22	34	36	58.1	3
KWA	Larry	4	20	34	-	57.6	3
Experimentals							
	OK13621	3	33	-	-	60.1	2
	OK12912C-2	3	32	-	-	60.0	2
	OK13209	4	30	-	-	59.4	2
	OK12716R/W	4	28	48	-	57.3	2
	OK11755W-9W	4	28	-	-	59.4	3
	OK12D22002-077	3	24	-	-	59.5	2
	Mean	4	30	37	39	58.6	2
	LSD _(0.05)		6	6	5	2.0	

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. A storm with hail causing stem injury occurred on 5/10/17. Hail injury rated on a 0 - 10 scale with 0 representing no broken stems and 10 representing complete stem breakage. Limited seed shattering due to the hail injury was observed. Severe leaf rust and moderate stripe rust pressure throughout grain fill. Data for varieties TAM 204 and WB-Grainfield were not reported as the coefficient of variation (c.v.) exceeded 30.

[†] 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.

Partial financial support provided by the Oklahoma Wheat Commission and the Oklahoma Wheat Research Foundation