

Balko Wheat Variety Trial



wheat.okstate.edu

Cooperator: Teryl Rorabaugh

Extension Educator: Loren Sizelove

Planting & harvest dates: 10/13/17 & 6/30/18

Previous crop: Fallow

Management: Grain-only

Soil type: Darrouzett clay loam

Tillage: No-till

Soil test: pH = 5.9, P = 51, K = 1,130

Licensee	Variety	Shatter 0 - 10	Grain Yield			Test Weight	Lodging	
			2017-18	2-Year	3-Year [†]	2017-18	2017-18	
			----- bu/ac -----			---lb/bu---	1 - 5	
KWA	Oakley CL	1.2	51	-	-	56.3	2	
KWA	Larry	2.2	46	38	-	55.7	2	
Dyna-Gro	Long Branch	1.4	45	-	-	53.8	2	
KWA	Joe	1.6	44	46	-	55.6	2	
LCS	LCS Pistol	1.6	43	43	54	54.7	2	
LCS	LCS Mint	2.0	40	38	51	56.3	2	
OGI	Bentley	2.2	40	34	-	54.1	2	
WestBred	Winterhawk	1.6	38	37	49	55.9	2	
OGI	Gallagher	1.2	37	32	46	54.1	2	
WestBred	WB4458	1.8	37	-	-	54.0	2	
AgriPro	SY Rugged	1.2	37	-	-	54.2	2	
WestBred	WB-Grainfield	2.2	36	36	51	54.7	2	
OGI	Lonerider	1.8	35	33	-	51.8	1	
LCS	T158	1.6	35	-	-	55.0	2	
AGSECO	TAM 114	1.4	34	-	-	54.6	2	
WestBred	WB4303	1.0	34	-	-	51.6	2	
AgriPro	SY Monument	2.2	33	34	-	54.6	2	
OGI	Doublestop CL Plus	1.8	33	33	45	55.7	1	
OGI	Duster	2.2	33	32	47	54.9	2	
OGI	Smith's Gold	2.2	32	31	-	55.2	2	
Watley	TAM 204	1.6	31	31	45	51.3	2	
WestBred	WB4721	2.6	30	-	-	55.7	1	
LCS	LCS Chrome	2.6	30	32	-	55.1	2	
OGI	Ruby Lee	2.4	30	27	36	55.4	2	
Watley	TAM 112	2.0	25	26	38	54.2	3	
PlainsGold	Langin	3.2	24	30	-	54.4	2	
AgriPro	SY Grit	2.4	24	-	-	53.1	2	
OGI	Iba	1.4	24	30	44	53.7	2	
Experimentals								
	OK12716	1.0	46	39	-	54.3	2	
	OK12D22004-016	1.2	41	-	-	54.3	1	
	OK168513	1.8	38	-	-	54.5	2	
	OCW05S616T-2	1.4	37	-	-	54.0	2	
	OK12206-2	1.4	37	-	-	52.4	2	
	OK13621	1.4	35	-	-	54.6	2	
	OK14P212	2.2	32	-	-	56.4	2	
Mean			1.8	36	34	46	54.5	2
LSD (0.05)				6	5	5	1.0	

Notes: Grain yields adjusted to 12% moisture content. Shaded values are not statistically different from the highest value within a column. Severe drought conditions persisted throughout much of the growing season, and some freeze injury occurred during early April. There was low foliar disease pressure throughout grain-fill, but Fusarium foot rot (dryland root rot) symptoms appeared during May and remained throughout grain-fill. Rainfall during mid-June prevented a timely harvest. As a result, all varieties began to shatter before being harvested. Shattering was rated for each plot using a 0 - 10 scale with 0 representing no shattering and 10 representing complete shatter loss.

[†] Three-year results are the average of 2018, 2017, and 2015. Data was not collected in 2016 due to severe hail damage in early May.

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