



# Lahoma Regional Wheat Variety Trial - Fungicide vs. No Fungicide Comparison

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Cooperator: North Central Research Station Ext. Educator: Rick Nelson

Planting & harvest dates: 10/19/16 & 6/9/17

Management: Grain-only, conventional tillage

Fungicide = 6.8 oz/ac Approach Prima at GS 9 on 4/10/17

Previous crop: Wheat

Soil type: Pond Creek silt loam

Soil test: pH = 5.6, P = 53, K = 407

Source	Variety	2016-17 Grain Yield			2016-17 Test Weight		
		No fungicide	Fungicide	Diff.	No fungicide	Fungicide	Diff.
		-----bu/ac-----			-----lb/bu-----		
AGSECO	Hot Rod	83	92	9	55.9	56.6	0.6
WestBred	WB4269†	78	88	11	55.6	56.4	0.8
KWA	Joe	72	77	5	55.8	55.8	0.0
Syngenta	SY Monument	72	84	12	55.0	55.6	0.6
Syngenta	Bob Dole†	70	75	4	54.1	54.5	0.4
WestBred	WB4303	69	80	11	51.3	53.2	1.9
AGSECO	TAM 114	69	89	20	54.8	58.0	3.2
OGI	Gallagher	67	76	8	54.9	55.3	0.4
WestBred	WB4515	67	88	21	54.2	58.2	4.0
KWA	Zenda	67	82	15	55.0	57.7	2.6
PlainsGold	Brawl CL Plus	66	83	17	53.9	57.8	3.9
AGSECO	AG Robust	65	75	10	55.8	56.8	1.0
AGSECO	AG Icon†	65	67	2	52.9	53.3	0.4
Syngenta	SY Achieve CL2†	65	82	17	55.5	58.6	3.1
OGI	Ruby Lee	64	77	13	54.4	58.0	3.6
OGI	Smith's Gold‡	64	78	14	53.4	56.3	2.9
WestBred	Winterhawk	64	82	18	54.9	57.6	2.7
WestBred	WB4721	64	82	18	53.3	57.0	3.7
WestBred	WB-Grainfield	64	88	24	51.6	55.9	4.2
WestBred	WB-Cedar	62	72	10	57.1	57.3	0.3
Syngenta	SY Rugged†	62	74	12	52.7	54.9	2.2
OGI	Doublestop CL Plus	62	63	1	58.4	58.3	-0.1
OGI	NF 101	62	75	12	55.0	55.7	0.7
PlainsGold	Langin	60	84	24	53.7	56.4	2.7
Syngenta	SY Drifter	60	70	10	55.9	57.3	1.4
WestBred	WB4458	59	75	16	55.5	57.8	2.3
LCS	LCS Chrome	58	66	9	51.5	52.3	0.9
Syngenta	SY Llano	58	71	14	56.1	57.3	1.2
OGI	Iba	56	71	15	55.0	57.7	2.7
Syngenta	SY Flint	56	70	15	54.5	57.6	3.1
LCS	T158	55	83	28	54.0	57.8	3.8
OGI	Billings	54	66	12	56.4	57.8	1.4
Syngenta	SY Grit	54	80	26	48.7	55.0	6.3
KWA	Tatanka	53	77	24	51.7	56.0	4.3
OGI	Bentley	53	79	27	50.1	54.8	4.7
LCS	LCS Wizard	51	69	17	53.7	56.9	3.1
Syngenta	SY Benefit†	51	74	24	53.0	57.0	4.0
OGI	Duster	50	64	14	52.2	54.4	2.2
LCS	LCS Pistol	49	72	23	52.9	55.5	2.7
Watley	TAM 204	49	77	28	45.3	52.7	7.3
OSU	Endurance	48	63	15	49.9	53.8	3.9
PlainsGold	Byrd	48	80	33	50.2	56.6	6.5
Dyna-Gro	Long Branch	45	67	22	47.8	52.3	4.5
OGI	Stardust	45	62	18	49.7	54.5	4.8
KWA	Larry	43	77	34	50.1	56.5	6.4
LCS	LCS Mint	40	58	18	51.5	55.7	4.2
PlainsGold	Avery	37	67	30	48.5	54.7	6.2
Watley	TAM 112	36	67	31	50.7	57.0	6.3
<b>Experimentals</b>							
	OK13209	77	77	0	56.9	57.5	0.6
	OK12912C-2	70	67	-3	56.5	55.7	-0.8
	OK12D22004-016	69	84	15	55.6	58.6	3.0
	OK13621	68	78	10	55.6	57.2	1.6
	OK12206-2	61	78	17	51.1	53.8	2.7
	OK12716R/W	61	77	16	52.8	55.5	2.7
	OK11755W-9W	52	78	25	52.2	56.8	4.6
	OK12D22002-077	48	62	14	51.4	54.7	3.3
	Mean	59	75	16	53.3	56.1	2.8
	LSD (0.05)	8	8	9	2.1	1.5	1.3

**Notes:** Grain yields adjusted to 12% moisture. Shaded values are not statistically different from the highest value within a column. Boldfaced values in the "Diff." column represent a statistical difference between the fungicide vs. no fungicide averages for that variety. Lodging on a 1 - 5 scale with 1 indicating no lodging. Severe leaf rust pressure during mid- to late-grain fill.

† 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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