



Lahoma - Fungicide vs. No Fungicide Comparison

wheat.okstate.edu

Cooperator: North Central Research Station

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Planting & harvest dates: 10/27/15 & 6/16/16
 Management: Grain-only, conventional tillage
 Fungicide = 9 oz/ac Twinline at GS 9 on 4/12/16

Previous crop: Wheat
 Soil type: Pond Creek silt loam
 Soil test: pH = 5.6, P = 47, K = 428

Source	Variety	2016 Grain Yield			2016 Test Weight		
		No fungicide	Fungicide	Diff.	No fungicide	Fungicide	Diff.
		-----bu/ac-----			-----lb/bu-----		
KWA	Joe	82	92	10	60.7	62.4	1.8
LCS	LCS Chrome†	81	82	1	58.1	58.9	0.8
KWA	Zenda	80	82	2	61.5	61.3	-0.2
KWA	Oakley CL	79	81	2	60.2	60.9	0.7
WestBred	WB4721	78	85	8	61.0	62.1	1.1
KWA	Larry	77	84	7	59.9	61.3	1.4
Syngenta	SY Razor	77	76	0	62.0	62.3	0.3
KWA	1863	76	85	9	60.0	61.6	1.6
AGSECO	TAM 114	75	90	15	61.4	61.7	0.3
Syngenta	SY Grit	75	89	13	58.3	60.9	2.6
Syngenta	SY Monument	74	83	8	59.4	60.9	1.5
WestBred	WB4458	73	84	11	58.4	60.9	2.5
AGSECO	AG Robust	71	82	11	60.8	61.1	0.4
WestBred	WB-Grainfield	71	82	11	57.4	59.0	1.6
KWA	Tatanka	71	84	13	59.9	62.4	2.5
Watley	TAM 204	70	85	15	57.1	59.3	2.2
WestBred	WB4303	70	90	20	55.9	58.8	2.8
OGI	Stardust†	70	81	12	57.4	60.2	2.8
OGI	Bentley†	69	87	17	55.7	59.5	3.7
Syngenta	SY Flint†	69	77	7	59.9	61.7	1.8
WestBred	WB-Cedar	67	74	7	57.2	59.9	2.7
PlainsGold	Brawl CL Plus	67	90	23	57.9	62.0	4.1
LCS	T158	67	87	20	58.3	61.1	2.8
OGI	Gallagher	66	80	14	59.2	60.8	1.6
WestBred	Winterhawk	66	79	13	58.3	61.0	2.8
WestBred	WB4515	65	76	11	60.0	61.4	1.4
OGI	Iba	65	76	11	59.1	61.0	1.9
LCS	LCS Mint	65	88	23	58.6	61.0	2.4
OGI	Billings	64	75	11	58.7	60.8	2.1
Syngenta	SY Llano	64	70	6	58.8	59.8	1.1
Syngenta	SY Drifter†	63	72	9	60.6	61.4	0.8
OGI	Doublestop CL Plus	62	73	11	60.7	62.0	1.3
Dyna-Gro	Long Branch	59	62	4	54.1	56.1	2.0
KWA	KanMark	59	79	20	57.9	61.3	3.4
OGI	NF 101	57	67	10	58.1	59.5	1.4
OSU	Endurance	57	77	20	55.7	58.4	2.7
OGI	Duster	56	72	16	57.8	60.0	2.2
KWA	Everest	55	75	20	58.5	60.9	2.4
LCS	LCS Pistol	54	72	18	56.9	59.1	2.3
OGI	OK Rising	54	67	13	57.1	59.6	2.5
LCS	LCS Wizard	52	80	29	56.4	62.0	5.7
OGI	Ruby Lee	51	83	32	53.7	61.6	7.9
Watley	TAM 112	43	83	40	52.1	62.1	10.0
PlainsGold	Avery†	42	84	42	52.0	60.1	8.2
PlainsGold	Byrd	37	88	50	52.3	60.4	8.1
Experimentals							
	OK11D25056	74	83	9	58.5	59.8	1.3
	OK12716R/W	73	88	15	57.8	59.6	1.8
	OK12912C	69	75	6	60.5	61.1	0.6
	OK09915C-1	66	71	6	61.5	62.3	0.8
	OK11231	53	66	13	56.7	59.3	2.6
	Mean	66	80	14	58.2	60.6	2.5
	LSD (0.05)	8	7	8	2.1	1.4	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. Heavy stripe rust pressure during mid- to late-grain fill.

† Varieties tested and reported as experimental lines in the previous trial(s): Avery = CO11D174; Bentley = OK09125; LCS Chrome = LCH13DH-20-87; Stardust = OK10728W; SY Drifter = AP09T7631; SY Flint = 06BC722#25.

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