

Lahoma Regional Wheat Variety Trial 2019-2020

Fungicide vs. No Fungicide Comparison

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Cooperator: OSU North Central Research Station	Extension Educator: Rick Nelson
Planting & harvest dates: 10/14/19 & 6/10/20	Previous crop: Wheat
Management: Grain-only, conventional tillage	Soil Type: Pond Creek silt loam
Fungicide: 13 fl oz/ac Nexicor at Feekes 9 4/14/20	Soil test: pH= 5.6, N= 175, P= 79 , K= 424

Licensee	Variety	2019-20 Grain Yield			2019-20 Test Weight		
		No Fungicide	Fungicide	Diff.	No Fungicide	Fungicide	Diff.
		bu/ac			lb/bu		
WestBred	WB4269	111	113	2	62.6	63.1	0.5
AgriMAXX	AM Cartwright	102	102	0	61.0	61.6	0.7
WestBred	WB4595	98	116	18	58.8	62.6	3.9
WestBred	WB4792	98	113	15	57.7	60.1	2.3
AgriMAXX	AM Eastwood	98	110	13	60.3	62.7	2.4
WestBred	WB4401	98	98	1	60.9	60.8	-0.1
CROPLAN	CP7909	98	109	12	60.5	62.1	1.6
KWA	KS Silverado	98	108	11	61.5	63.2	1.7
WestBred	WB4699	97	106	9	60.5	61.6	1.1
OGI	Doublestop CL Plus	95	98	3	63.8	64.1	0.3
AGSECO	AG Icon	93	101	8	59.5	60.8	1.2
AgriPro	SY Rugged	92	95	3	59.1	59.5	0.4
PlainsGold	Canvas	92	105	13	57.2	59.4	2.2
LCS	LCS Photon AX	92	95	3	63.4	64.0	0.6
AgriPro	Bob Dole	92	92	0	62.5	62.7	0.2
OGI	OK Corral	91	94	3	59.0	59.7	0.8
OGI	Baker's Ann	91	92	1	61.0	61.5	0.5
WestBred	WB4515	91	98	7	61.6	62.5	0.9
PlainsGold	Crescent AX	90	99	9	59.8	61.5	1.7
KWA	Zenda	90	95	5	60.1	60.9	0.8
AgriPro	AP EverRock	90	91	1	58.9	60.3	1.4
AgriPro	SY Achieve CL2	89	89	0	60.4	61.4	1.0
OGI	Showdown	89	90	2	58.2	59.0	0.7
CROPLAN	CP7010	89	106	17	60.4	63.1	2.6
LCS	LCS Chrome	88	89	1	57.4	57.9	0.5
OGI	Green Hammer	88	90	2	61.7	62.3	0.6
OGI	Bentley	88	98	10	57.5	59.1	1.6
AGSECO	TAM 114	88	100	12	60.4	63.3	2.9
OGI	Gallagher	87	98	11	60.7	62.2	1.5
KWA	KS Dallas	86	96	10	59.7	60.6	0.9
PlainsGold	Langin	85	98	13	59.6	61.8	2.2
OGI	Ruby Lee	85	84	-1	61.6	61.1	-0.5
AgriPro	SY Benefit	85	103	18	60.1	62.7	2.6
OGI	Smith's Gold	85	87	3	58.4	60.1	1.8
PlainsGold	Guardian	85	92	7	60.3	61.9	1.6
CROPLAN	CP7869	84	92	8	57.3	58.6	1.3
OGI	Iba	84	96	12	61.2	62.2	1.0
OGI	Spirit Rider	80	90	10	60.0	61.4	1.4
KWA	KS Western Star	78	95	16	56.6	58.6	2.0
OGI	Duster	72	84	12	57.8	59.9	2.1
Experimentals							
	OK12912C-138407-2	102	111	9	61.6	62.0	0.4
	OK15MASBx7 ARS 8-1	92	104	12	59.9	61.9	2.0
	OK16729W	92	97	5	62.7	63.0	0.3
	OK16D101089	83	81	-2	61.7	61.6	0.0
	OCW04S717T-6W	73	74	1	58.3	58.4	0.1
Mean		90	97	7	60.1	61.3	1.2
LSD_(0.05)		7	7	7	1.5	1.1	1.0

Notes: Grain yield and protein concentration were adjusted to 12% moisture content. Shaded values are not statistically different from the highest value within a column. Average lodging score was 2 on a scale from 1 to 5 with 1 indicating no lodging. Moderate to severe pressure from Septoria and other leaf spotting conditions, including spring freeze damage of leaf tissue. Low pressure of leaf and stripe rust diseases during grain-fill. Possible shattering loss where lodging was not severe.