



Apache Wheat Variety Trial - Fungicide vs. No Fungicide Comparison

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AGRICULTURE

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Planting & harvest dates: 10/13/15 & 6/9/16

Previous crop: Wheat

Soil type: Hollister silt loam

Management: Grain-only, no-till

Fungicide: 9 oz/ac Twinline at heading on 4/01/2016

Soil test: pH = 4.9, P = 126, K = 546

Source	Variety	Grain Yield						Test Weight		
		2015-16			2-Year			2015-16		
		No Fungicide	Fungicide	Diff.	No Fungicide	Fungicide	Diff.	No Fungicide	Fungicide	Diff.
		-----bu/ac-----						-----lb/bu-----		
WestBred	WB4458	84	90	6	68	73	6	58.3	59.5	1.2
OGI	Bentley†	77	80	3	65	73	7	56.5	58.0	1.5
WestBred	WB-Grainfield	74	88	14	66	78	12	57.0	58.4	1.3
Syngenta	SY Flint	68	69	1	-	-	-	56.8	57.7	0.9
Watley	TAM 204	67	79	13	-	-	-	56.7	57.5	0.8
LCS	T158	64	68	4	-	-	-	56.3	57.2	0.9
Syngenta	SY Llano	64	66	2	55	61	6	58.6	58.3	-0.3
OGI	Gallagher	63	68	5	56	65	9	56.2	57.4	1.2
WestBred	Winterhawk	62	78	16	54	70	15	59.0	60.0	1.1
OGI	Iba	61	76	15	53	69	17	57.7	59.0	1.3
OGI	Doublestop CL Plus	61	68	7	54	64	10	59.5	61.1	1.6
KWA	KanMark	57	76	19	-	-	-	55.8	58.3	2.5
Syngenta	SY Drifter	56	66	10	-	-	-	58.0	59.1	1.1
LCS	LCS Pistol	51	60	9	45	61	16	55.3	56.4	1.1
OSU	Endurance	50	57	8	44	54	10	54.5	56.8	2.3
LCS	LCS Wizard	48	70	22	-	-	-	57.4	59.3	2.0
OGI	Duster	39	49	10	36	48	12	55.2	55.0	-0.2
OGI	Ruby Lee	37	75	38	39	65	26	49.7	58.5	8.9
	Experimentals									
	OK12716R/W	67	72	5	-	-	-	56.5	57.9	1.4
	OK09915C-1	66	77	11	-	-	-	60.3	61.4	1.1
	Mean	61	72	11	53	65	13	56.7	58.3	1.6
	LSD (0.05)	7	11	10	6	7	11	2.0	1.4	1.9

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 throughout grain fill.

† Variety tested and reported as experimental line OK09125 in last year's trial.