



Apache Wheat Variety Trial - Fungicide vs. No Fungicide Comparison

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Planting & harvest dates: 10/10/16 & 5/31/17

Previous crop: Canola

Soil type: Hollister silt loam

Management: Grain-only, no-till

Fungicide: 6.8 oz/ac Approach Prima at heading on 3/27/17

Soil test: pH = 6.9, P = 132, K = 400

Source	Variety	Grain Yield									Test Weight		
		2016-17			2-Year			3-Year			2016-17		
		No Fungicide	Fungicide	Diff.	No Fungicide	Fungicide	Diff.	No Fungicide	Fungicide	Diff.	No Fungicide	Fungicide	Diff.
		-----bu/ac-----									-----lb/bu-----		
WestBred	Winterhawk	76	83	7	69	80	11	62	74	12	61.2	61.3	0.1
OGI	Gallagher	72	76	4	67	72	5	61	69	8	61.0	61.6	0.6
WestBred	WB4458	70	76	6	77	83	6	68	74	6	59.2	59.7	0.5
OGI	Iba	70	68	-2	66	72	6	58	69	10	60.8	60.2	-0.6
WestBred	WB-Grainfield	68	85	17	71	86	15	67	81	14	58.0	59.8	1.8
LCS	LCS Chrome	68	72	4	-	-	-	-	-	-	59.2	60.9	1.6
OGI	Ruby Lee	67	73	6	52	74	22	48	67	19	59.9	60.7	0.8
OGI	Smith's Gold [†]	66	66	0	-	-	-	-	-	-	59.9	60.2	0.3
Watley	TAM 204	64	71	6	65	74	9	-	-	-	57.1	57.9	0.7
Syngenta	SY Razor	60	56	-5	-	-	-	-	-	-	59.9	60.0	0.1
OGI	Bentley	60	72	12	69	76	8	64	72	9	55.9	58.3	2.4
OSU	Endurance	60	64	4	55	61	6	50	57	8	59.1	59.5	0.4
LCS	LCS Pistol	59	64	5	55	62	7	50	62	12	57.6	58.6	1.0
OGI	Doublestop CL Plus	58	61	4	59	65	5	55	63	8	60.9	61.4	0.6
OGI	Duster	57	61	4	48	55	7	43	52	9	58.1	58.7	0.6
LCS	LCS Mint	51	68	16	-	-	-	-	-	-	59.6	61.2	1.6
Syngenta	SY Flint	51	59	9	59	64	5	-	-	-	57.5	59.7	2.2
Syngenta	SY Llano	45	60	15	55	63	8	52	61	9	58.1	59.6	1.5
	Experimentals												0.0
	OK13209	66	63	-3	-	-	-	-	-	-	59.4	58.9	-0.5
	OK12716R/W	62	63	0	65	67	2	-	-	-	58.8	58.9	0.1
	OK12912C-2	60	60	0	-	-	-	-	-	-	59.8	59.5	-0.3
	OK12D22002-077	53	61	8	-	-	-	-	-	-	57.6	59.1	1.5
	Mean	62	67	5	62	70	9	56	67	10	59.0	59.8	0.7
	LSD _(0.05)	11	12	11	9	8	9	7	6	9	1.5	1.7	1.6

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. Moderate to severe leaf rust pressure throughout grain fill.

† Variety tested and reported as an experimental line in previous trial(s): Smith's Gold = OK11D25056.