



Apache Wheat Variety Trial - Fungicide vs. No Fungicide Comparison

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Planting & harvest dates: 10/19/17 & 6/5/18

Previous crop: Soybean

Soil type: Hollister silt loam

Management: Grain-only, no-till

Fungicide: 14.2 fl oz/ac Trivapro at heading on 4/17/18

Soil test: pH = 6.3, P = 28, K = 435

Licensee	Variety	Grain Yield									Test Weight		
		2017-18			2-Year			3-Year			2017-18		
		No Fungicide	Fungicide	Diff.	No Fungicide	Fungicide	Diff.	No Fungicide	Fungicide	Diff.	No Fungicide	Fungicide	Diff.
		-----bu/ac-----									-----lb/bu-----		
KWA	Joe	46	45	-1	-	-	-	-	-	-	62.9	63.5	0.6
WestBred	WB-Grainfield	42	41	-1	55	63	8	61	71	10	59.7	60.3	0.6
WestBred	WB4721	39	35	-4	-	-	-	-	-	-	61.3	61.0	-0.3
LCS	LCS Chrome	38	36	-2	53	54	1	-	-	-	59.2	59.7	0.5
OGI	Bentley	38	35	-3	49	54	5	58	63	5	60.1	59.7	-0.4
OGI	Doublestop CL Plus	36	36	0	47	49	2	52	55	3	60.0	60.7	0.7
Dyna-Gro	Long Branch	35	37	2	-	-	-	-	-	-	58.2	57.8	-0.4
AgriPro	SY Flint	35	36	1	43	47	4	51	55	4	60.8	61.8	1.0
OGI	Iba	34	33	-1	52	51	-1	55	59	4	60.9	60.8	-0.1
LCS	LCS Mint	34	36	2	43	52	9	-	-	-	60.7	60.9	0.2
OGI	Ruby Lee	32	29	-3	49	51	2	45	59	14	59.6	59.3	-0.3
AGSECO	AG Icon	31	35	4	-	-	-	-	-	-	59.1	59.4	0.3
WestBred	WB4303	31	28	-3	-	-	-	-	-	-	57.0	56.6	-0.4
AgriPro	SY Benefit	30	32	2	-	-	-	-	-	-	60.8	61.4	0.6
LCS	T158	30	31	1	-	-	-	-	-	-	60.4	61.0	0.6
LCS	LCS Pistol	30	32	2	44	48	4	47	53	6	59.1	59.7	0.6
AgriPro	SY Rugged	30	31	1	-	-	-	-	-	-	59.6	59.8	0.2
OGI	Duster	29	30	1	43	46	3	42	47	5	60.1	60.6	0.5
OGI	Smith's Gold	29	33	4	47	49	2	-	-	-	58.6	58.4	-0.2
WestBred	WB4458	27	28	1	49	52	3	60	65	5	58.6	58.7	0.1
AgriPro	SY Grit	27	30	3	-	-	-	-	-	-	55.8	56.1	0.3
OGI	NF 101	25	24	-1	-	-	-	-	-	-	59.6	59.1	-0.5
OGI	Lonerider	25	25	0	-	-	-	-	-	-	55.9	56.4	0.5
OGI	Gallagher	24	25	1	48	51	3	53	56	3	58.2	58.9	0.7
Watley	TAM 204	20	22	2	42	46	4	50	57	7	53.2	54.4	1.2
Experimentals													
	OK12716	35	34	-1	49	49	0	55	57	2	58.8	58.8	0.0
	OK13209	33	32	-1	49	48	-1	-	-	-	58.6	59.0	0.4
	OCW04S717T-6W	29	27	-2	-	-	-	-	-	-	56.7	56.5	-0.2
	OCW05S616T-2	28	27	-1	-	-	-	-	-	-	59.3	59.9	0.6
	OK12206-2	20	19	-1	-	-	-	-	-	-	54.9	55.0	0.1
Mean		31	31	0	48	51	3	53	58	5	58.9	59.1	0.2
LSD (0.05)		6	5	NS	7	7	NS	7	7	NS	1.2	0.9	NS

Notes: Grain yields adjusted to 12% moisture content. Shaded values are not statistically different from the highest value within a column. NS = not significant. Negative yield and test weight responses to fungicide application are statistically non-significant and should be regarded as no response. Drought conditions which followed after planting behind soybean reduced the yield potential at this location. Freeze injury also occurred during early April. Low foliar disease pressure observed during grain-fill.

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