



## 2016 OREGON CLEARFIELD WINTER ELITE YIELD TRIALS HERMISTON (Irrigated)



Site Quality Index<sup>†</sup> = 3  
1 = Poor 3 = Average 5 = Excellent

Site Description: Stripe rust was not controlled at this site.  
Long term data not available for this site.

Entry	Variety	Class	Quality Rating <sup>¶</sup>	2016 Yield Data <sup>‡</sup>		2-Year Yield Data		3-Year Yield Data	
				Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
1	BOBTAIL*	SWW	MD	140.0	1				
4	SY OVATION*	SWW	D	138.7	2				
6	ORCF-101	SWW	D	124.9	4				
14	WA 8235	SWW		122.4	5				
3	WB 1529*	SWW		121.5	6				
15	WB 1376 CLP	SWW		116.0	7				
10	UI CASTLE CL+	SWW		115.4	8				
7	ORCF-102	SWW	A	111.5	9				
11	UI PALOUSE CL+	SWW		109.0	10				
9	UI MAGIC CL+	SWW		103.1	11				
2	LCS ARTDECO*	SWW	A	92.7	12				
13	MELA CL+	SWW	A	72.6	13				
12	CURIOSITY CL+	SWW	A	71.1	14				
8	ORCF-103	SWW	A	47.0	15				
	Site Average			105.9					
	LSD (0.05)			11.3					
	CV (%)			7.1					

<sup>†</sup> The Site Quality Index is based on the relative performance of check varieties to historical means and the degree of variability found within the trial.

Site Quality Index Descriptions:

- 1 = Poor; Site highly impacted by unusual environmental conditions making data unpublishable
- 2 = Below Average; Site was impacted by unusual environmental conditions. Variability was high.
- 3 = Average; Site was average with normal/acceptable environmental conditions. Variability was medium.
- 4 = Good; Site was representative of surrounding area with minimal environmental impact. Variability was low to medium.
- 5 = Excellent; Site was highly representative of surrounding area with no environmental impacts. Variability was very low.

<sup>‡</sup> Yield data corrected to 12% moisture; Grain yields shaded in gray are not significantly different from the highest yield at this site.

\* Indicates check variety.

<sup>¶</sup> Quality rating based on data from the USDA Western Wheat Quality Laboratory.

Quality Ratings: MD = Most Desirable; D = Desirable; A=Acceptable; LD = Least Desirable; U = Unacceptable

<sup>§</sup>Falling number values represent average values of 2 field replicates, with each field replicate tested twice.

<sup>§</sup>Falling number values in bold are within the 95% confidence interval for the 300 second cutoff value. This is, even if grain is sound [i.e. unaffected by sprout damage or late maturity amylase] with repeated testingsome subsamples may test below 300 seconds.

<sup>§</sup>Falling number values in red bold are below the 95% confidence interval for the 300 second cutoff value.

Accordingly these samples [pending verification] are currently considered putatively sprouted.



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Site Description: Stripe rust was not controlled at this site.  
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Entry	Variety	Class	Test Weight	Plant Height	Lodging	Protein	Stripe Rust	Falling Number <sup>§</sup>
							5/26/2016	Seconds
			lbs/bu	inches	%	%	% Severity	
1	BOBTAIL*	SWW	61.0	34.4	27.5	10.7	2.5	360.8
4	SY OVATION*	SWW	61.6	34.4	2.5	11.6	15.0	381.3
6	ORCF-101	SWW	62.1	33.0	0.0	11.6	5.0	338.5
14	WA 8235	SWW	61.8	36.9	37.5	13.6	0.0	421.0
3	WB 1529*	SWW	62.9	32.0	0.0	12.0	6.3	404.0
15	WB 1376 CLP	SWW	63.5	34.9	7.5	12.8	0.5	475.0
10	UI CASTLE CL+	SWW	62.7	34.9	7.5	12.3	13.8	444.3
7	ORCF-102	SWW	61.6	37.4	0.0	10.0	43.8	395.3
11	UI PALOUSE CL+	SWW	62.3	32.0	0.0	12.2	47.5	347.5
9	UI MAGIC CL+	SWW	60.3	30.5	0.0	10.6	82.5	324.3
2	LCS ARTDECO*	SWW	58.1	27.6	0.0	11.9	37.5	384.8
13	MELA CL+	SWW	61.2	35.4	65.0	12.7	80.0	330.5
12	CURIOSITY CL+	SWW	59.9	35.4	32.5	11.4	92.5	<b>252.3</b>
8	ORCF-103	SWW	60.5	31.5	0.0	11.2	97.5	<b>269.0</b>
Site Average			61.4	33.5	12.9	11.8	36.5	366.3
LSD (0.05)			1.3	3.4	29.6	1.5	15.1	76.5
CV (%)			1.4	6.9	161.1	8.4	28.9	9.7

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