



2016 OREGON HARD WINTER ELITE YIELD TRIALS PENDLETON-RUGGS



Site Quality Index[†] = 3.5
1 = Poor 3 = Average 5 = Excellent

Site Description: Stripe rust was not controlled at this site.

5 Year Average Yield = 104.9 bu/ac

Entry	Variety	Class	Quality Rating [‡]	2016 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data	
				Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
1	BOBTAIL*	SWW	MD	131.7	1	112.0	5	122.5	2
3	LCS AZIMUT	HRW	U	121.5	2	110.0	6	120.8	4
8	LCS AYMERIC	HRW		120.8	3	113.6	1		
4	LCS COLONIA	HRW	LD	117.5	4	112.2	4	121.1	3
2	NORWEST 553*	HRW	D	116.3	5	104.6	10	110.3	5
15	SY TOUCHSTONE (04 PN 028B-3)	HRW		114.7	6				
27	OR 2110679	HWW		113.6	7	108.4	7		
7	NSA 10-2196	HRW		112.0	8	112.7	2		
29	OR 2120276H	HWW		111.0	9	107.6	8		
5	LCS EVINA	HRW		107.5	10	99.9	12	107.8	7
17	WA 8248	HRW		106.6	11				
9	NSA 11-8010	HRW		105.7	12				
26	OR 2110664	HWW		105.4	13	102.7	11		
22	OR 2120012R	HRW		104.5	14	106.3	9		
28	OR 2111025	HWW		104.0	15	99.2	13		
30	OR 2120311H	HWW		103.9	16				
13	WB 4623 CLP	HRW		102.3	17				
6	LCS JET	HRW		102.1	18	112.5	3	126.2	1
10	HE 181/3	HRW		101.8	19				
18	WA 8249	HRW		99.6	20				
11	WB ARROWHEAD	HRW	MD	95.9	21	96.0	14	108.9	6
24	UI SILVER	HWW	MD	95.2	22	94.7	15	105.7	8
14	WHETSTONE	HRW	MD	90.5	23	90.9	17	104.9	9
25	IDO 1101	HWW		82.4	24	91.2	16	104.5	10
16	CLEARSTONE CL2	HRW		77.7	25	86.9	18		
12	KELDIN	HRW	LD	76.8	26	79.1	19	101.5	11
23	ANTERO	HWW		67.5	27				
19	BRAWL CL+	HRW		37.1	28				
20	DENALI	HRW		37.0	29				
21	AVERY	HRW		28.5	30				
	Site Average			95.8		101.8		111.8	
	LSD (0.05)			10.0		9.0		6.9	
	CV (%)			7.1		8.7		7.4	

[†] 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.

[‡] Yield data corrected to 12% moisture; Grain yields shaded in gray are not significantly different from the highest yield at this site. Grain yields in bold met or exceeded the protein targets for their class.

* Indicates check variety.

[‡] 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



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Site Quality Index[†] = 3.5
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Site Description: Stripe rust was not controlled at this site.

5 Year Average Test Weight = 61.9 lbs/bu 5 Year Average Grain Protein = 10.8%

Entry	Variety	Class	Test Weight	Plant Height	Heading Date	Protein	Stripe Rust
			lbs/bu	inches	DOY	%	5/23/2016
							% Severity
1	BOBTAIL*	SWW	59.6	36.0	139.3	11.0	0.5
3	LCS AZIMUT	HRW	59.9	29.0	130.8	11.4	2.8
8	LCS AYMERIC	HRW	59.3	32.3	134.8	11.5	10.0
4	LCS COLONIA	HRW	59.3	36.0	140.3	12.1	0.5
2	NORWEST 553*	HRW	63.1	32.3	136.3	12.7	2.0
15	SY TOUCHSTONE (04 PN 028B-3)	HRW	62.4	33.0	139.0	12.6	1.5
27	OR 2110679	HWW	61.2	38.3	137.0	12.9	10.0
7	NSA 10-2196	HRW	60.6	33.8	131.8	12.3	9.3
29	OR 2120276H	HWW	62.7	36.8	133.5	12.4	9.3
5	LCS EVINA	HRW	60.1	43.3	142.8	14.5	0.0
17	WA 8248	HRW	62.9	34.5	134.5	13.1	1.8
9	NSA 11-8010	HRW	59.8	32.3	132.8	11.0	4.8
26	OR 2110664	HWW	62.4	35.3	136.5	12.3	6.8
22	OR 2120012R	HRW	61.3	38.3	134.0	12.4	24.3
28	OR 2111025	HWW	62.6	37.8	138.8	12.7	8.0
30	OR 2120311H	HWW	62.5	34.5	136.7	12.5	13.8
13	WB 4623 CLP	HRW	63.3	38.3	138.0	13.4	36.3
6	LCS JET	HRW	61.7	33.8	133.0	11.5	27.5
10	HE 181/3	HRW	61.8	42.8	142.8	11.9	48.8
18	WA 8249	HRW	63.5	34.5	131.3	13.4	1.0
11	WB ARROWHEAD	HRW	63.2	37.5	132.8	11.9	20.0
24	UI SILVER	HWW	63.8	39.8	142.3	11.4	37.5
14	WHETSTONE	HRW	63.1	37.5	135.0	11.9	21.3
25	IDO 1101	HWW	63.1	32.8	134.0	11.5	67.5
16	CLEARSTONE CL2	HRW	61.8	39.8	138.3	13.0	41.3
12	KELDIN	HRW	62.0	36.0	138.5	11.9	65.0
23	ANTERO	HWW	60.8	34.8	129.0	11.2	68.8
19	BRAWL CL+	HRW	53.1	31.0	129.0	13.6	97.5
20	DENALI	HRW	62.0	30.8	134.5	11.6	95.0
21	AVERY	HRW	52.7	30.0	134.5	12.9	97.5
	Site Average		61.2	35.4	135.7	12.3	27.7
	LSD (0.05)		1.3	2.7	2.5	0.7	9.3
	CV (%)		1.5	5.3	1.3	3.8	24.0

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