



2016 OREGON HARD WINTER ELITE YIELD TRIALS SOUTH WILLAMETTE VALLEY



Site Quality Index[†] = 4
1 = Poor 3 = Average 5 = Excellent

Site Description: No fungicides were applied to this site.
Septoria was the main yield limiting disease at this site, stripe rust pressure was very low.
2-Year yield data from 2016 and 2014. Yield data from 2015 was not available.

5 Year Average Yield = 115.5 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
6	LCS JET	HRW		141.8	1	170.1	1		
4	LCS COLONIA	HRW	LD	138.6	2	169.1	2		
7	NSA 10-2196	HRW		137.1	3				
18	WA 8249	HRW		135.6	4				
12	KELDIN	HRW	LD	132.3	5	154.5	4		
3	LCS AZIMUT	HRW	U	128.6	6	156.7	3		
9	NSA 11-8010	HRW		128.4	7				
11	WB ARROWHEAD	HRW	MD	126.9	8	129.4	9		
8	LCS AYMERIC	HRW		123.8	9				
17	WA 8248	HRW		123.7	10				
16	CLEARSTONE CL2	HRW		120.7	11				
14	WHETSTONE	HRW	MD	119.9	12	142.5	6		
15	SY TOUCHSTONE (04 PN 028B-3)	HRW		119.4	13				
23	ANTERO	HWW		119.0	14				
28	OR 2111025	HWW		117.6	15				
27	OR 2110679	HWW		115.0	16				
26	OR 2110664	HWW		114.8	17				
25	IDO 1101	HWW		114.6	18	117.3	10		
10	HE 181/3	HRW		113.2	19				
22	OR 2120012R	HRW		112.0	20				
30	OR 2120311H	HWW		110.4	21				
29	OR 2120276H	HWW		110.2	22				
2	NORWEST 553*	HRW	D	110.1	23	133.9	8		
5	LCS EVINA	HRW		109.4	24	147.2	5		
1	BOBTAIL*	SWW	MD	106.9	25	138.1	7		
13	WB 4623 CLP	HRW		106.0	26				
24	UI SILVER	HWW	MD	104.3	27	102.3	11		
19	BRAWL CL+	HRW		97.4	28				
20	DENALI	HRW		69.4	29				
21	AVERY	HRW		52.7	30				
	Site Average			115.8		143.0			
	LSD (0.05)			11.0		7.4			
	CV (%)			6.6		5.1			

[†] 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.

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- 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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5 Year Average Test Weight = 61.0 lbs/bu 5 Year Average Grain Protein = 9.9%

Entry	Variety	Class		Test Weight	Plant Height	Heading Date	Protein	Septoria
				lbs/bu	inches	DOY	%	5/21/2016 % Severity
6	LCS JET	HRW		59.2	41.8	121.0	9.5	27.5
4	LCS COLONIA	HRW		57.1	43.5	137.0	9.0	26.3
7	NSA 10-2196	HRW		55.5	41.5	121.0	10.3	27.5
18	WA 8249	HRW		60.7	46.0	123.0	10.9	28.8
12	KELDIN	HRW		60.5	47.5	132.5	9.4	21.3
3	LCS AZIMUT	HRW		54.2	36.8	121.0	9.8	31.3
9	NSA 11-8010	HRW		55.6	41.0	123.0	9.4	37.5
11	WB ARROWHEAD	HRW		59.9	48.3	123.0	9.5	56.3
8	LCS AYMERIC	HRW		55.2	39.0	125.0	9.4	33.8
17	WA 8248	HRW		60.7	46.3	129.3	10.6	27.5
16	CLEARSTONE CL2	HRW		60.2	51.5	134.5	9.8	33.8
14	WHETSTONE	HRW		59.7	46.8	130.0	9.8	22.5
15	SY TOUCHSTONE (04 PN 028B-3)	HRW		59.3	40.5	132.0	10.1	41.3
23	ANTERO	HWW		59.6	45.8	116.5	9.4	25.0
28	OR 2111025	HWW		60.7	44.0	135.5	9.7	30.0
27	OR 2110679	HWW		57.6	44.8	131.5	10.8	27.5
26	OR 2110664	HWW		58.8	42.5	135.5	10.2	31.3
25	IDO 1101	HWW		60.4	40.3	123.5	9.0	78.8
10	HE 181/3	HRW		57.1	50.3	144.0	10.4	40.0
22	OR 2120012R	HRW		58.6	45.5	130.0	10.1	41.3
30	OR 2120311H	HWW		58.2	43.3	130.5	11.1	27.5
29	OR 2120276H	HWW		60.4	45.3	130.0	9.7	35.0
2	NORWEST 553*	HRW		59.1	38.8	132.0	9.9	40.0
5	LCS EVINA	HRW		58.1	49.8	142.0	10.8	32.5
1	BOBTAIL*	SWW		54.3	41.8	138.0	9.4	31.3
13	WB 4623 CLP	HRW		62.2	47.3	130.0	10.5	45.0
24	UI SILVER	HWW		59.9	46.5	136.5	9.7	37.5
19	BRAWL CL+	HRW		56.2	46.5	116.0	11.2	30.0
20	DENALI	HRW		53.8	47.8	121.8	10.0	33.3
21	AVERY	HRW		49.1	47.8	119.8	10.1	31.7
	Site Average			58.1	44.6	128.8	10.0	34.4
	LSD (0.05)			1.6	2.0	2.3	1.0	7.8
	CV (%)			1.9	3.3	1.3	7.3	15.9

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