



## 2016 OREGON HARD WINTER ELITE YIELD TRIALS MILTON-FREEWATER (No-Till)



Site Quality Index<sup>†</sup> = 2.5

1 = Poor 3 = Average 5 = Excellent

Site Description: Site quality index reduced due to lower than average grain yields and test weights likely due to drought/heat stress and high N fertility.

5 Year Average Yield = 108.5 bu/ac

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
9	NSA 11-8010	HRW		<b>112.9</b>	1				
25	IDO 1101	HWW		<b>99.2</b>	2	116.4	6	102.7	4
23	ANTERO	HWW		<b>96.6</b>	3				
7	NSA 10-2196	HRW		<b>96.4</b>	4	128.4	2		
11	WB ARROWHEAD	HRW	MD	<b>95.7</b>	5	119.1	5	101.7	6
3	LCS AZIMUT	HRW	U	<b>95.5</b>	6	121.1	3	104.2	2
6	LCS JET	HRW		<b>94.4</b>	7	131.2	1	114.5	1
29	OR 2120276H	HWW		<b>91.5</b>	8	113.6	9		
8	LCS AYMERIC	HRW		<b>91.3</b>	9	106.5	12		
19	BRAWL CL+	HRW		<b>91.3</b>	10				
13	WB 4623 CLP	HRW		<b>86.2</b>	11				
18	WA 8249	HRW		<b>85.6</b>	12				
17	WA 8248	HRW		<b>85.4</b>	13				
12	KELDIN	HRW	LD	<b>84.6</b>	14	120.7	4	103.7	3
1	BOBTAIL*	SWW	MD	84.4	15	114.9	7	102.6	5
21	AVERY	HRW		<b>81.9</b>	16				
22	OR 2120012R	HRW		<b>80.5</b>	17	114.7	8		
15	SY TOUCHSTONE (04 PN 028B-3)	HRW		<b>79.1</b>	18				
20	DENALI	HRW		<b>78.9</b>	19				
10	HE 181/3	HRW		<b>78.6</b>	20				
30	OR 2120311H	HWW		<b>78.5</b>	21				
16	CLEARSTONE CL2	HRW		<b>77.1</b>	22	101.1	16		
27	OR 2110679	HWW		<b>76.5</b>	23	106.8	11		
2	NORWEST 553*	HRW	D	<b>76.1</b>	24	104.8	14	94.9	8
14	WHETSTONE	HRW	MD	<b>75.2</b>	25	102.0	15	86.5	9
4	LCS COLONIA	HRW	LD	<b>73.9</b>	26	110.1	10	96.3	7
26	OR 2110664	HWW		<b>73.7</b>	27	96.0	18		
28	OR 2111025	HWW		<b>73.2</b>	28	105.2	13		
24	UI SILVER	HWW	MD	<b>73.0</b>	29	92.3	19	79.9	11
5	LCS EVINA	HRW		<b>71.8</b>	30	96.2	17	82.1	10
	Site Average			84.5		110.7		97.2	
	LSD (0.05)			7.6		9.8		7.6	
	CV (%)			6.2		8.1		8.9	

<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. Grain yields in bold met or exceeded the protein targets for their class.

\* 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



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Site Description: Site quality index reduced due to lower than average grain yields and test weights likely due to drought/heat stress and high N fertility.

5 Year Average Test Weight = 59.0 lbs/bu      5 Year Average Grain Protein = 13.0%

Entry	Variety	Class	Test Weight	Plant Height	Heading Date	Protein
			lbs/bu	inches	DOY	%
9	NSA 11-8010	HRW	57.3	33.0	124.5	13.3
25	IDO 1101	HWW	61.2	35.0	128.3	14.1
23	ANTERO	HWW	61.3	36.8	122.3	13.2
7	NSA 10-2196	HRW	54.7	33.5	124.3	14.5
11	WB ARROWHEAD	HRW	60.7	39.5	124.3	13.7
3	LCS AZIMUT	HRW	53.8	30.5	124.0	14.6
6	LCS JET	HRW	58.5	33.5	125.0	14.6
29	OR 2120276H	HWW	57.4	36.8	128.5	15.8
8	LCS AYMERIC	HRW	51.9	31.0	129.3	14.8
19	BRAWL CL+	HRW	61.8	38.0	122.0	14.3
13	WB 4623 CLP	HRW	59.8	36.3	131.5	16.4
18	WA 8249	HRW	59.5	35.8	124.5	15.1
17	WA 8248	HRW	58.1	36.8	129.3	16.6
12	KELDIN	HRW	57.5	35.3	131.7	15.9
1	BOBTAIL*	SWW	54.6	36.8	133.0	15.3
21	AVERY	HRW	59.2	36.0	124.0	13.4
22	OR 2120012R	HRW	56.0	34.0	130.3	16.0
15	SY TOUCHSTONE (04 PN 028B-3)	HRW	56.9	31.8	133.3	16.1
20	DENALI	HRW	60.3	38.3	124.8	13.9
10	HE 181/3	HRW	58.7	38.8	136.3	15.1
30	OR 2120311H	HWW	57.2	36.0	132.0	16.2
16	CLEARSTONE CL2	HRW	59.4	41.3	134.3	15.7
27	OR 2110679	HWW	56.4	38.0	131.5	16.0
2	NORWEST 553*	HRW	58.8	31.3	132.5	15.7
14	WHETSTONE	HRW	57.3	36.0	131.0	15.7
4	LCS COLONIA	HRW	53.6	34.3	138.5	15.8
26	OR 2110664	HWW	56.3	35.5	133.5	16.0
28	OR 2111025	HWW	58.2	35.5	134.0	15.4
24	UI SILVER	HWW	60.0	40.3	135.8	14.9
5	LCS EVINA	HRW	57.8	40.0	136.8	17.3
	Site Average		57.8	35.8	129.7	15.2
	LSD (0.05)		0.9	2.9	1.4	0.4
	CV (%)		1.2	5.7	0.7	1.9

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