



2017 OREGON HARD WINTER ELITE YIELD TRIALS LEXINGTON (No-till)



Site Quality Index[†] = 4

1 = Poor 3 = Average 5 = Excellent

Site Description: Environmental conditions had minimal impact at this site.
Grain protein data indicate that there was insufficient nitrogen for hard wheat production at this site.
Site received 4 oz/ac of Tilt on 3/19 to control stripe rust.

5 Year Average Yield = 38.8 bu/ac

Entry	Variety	Class	Quality Rating [¶]	2017 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data	
				Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
15	XA 4104	HRW		68.3	1				
1	BOBTAIL*	SWW	MD	67.8	2	56.0	3	47.2	5
4	LCS JET	HRW	A	67.3	3	57.9	2	49.9	2
5	NSA 10-2196	HRW		66.9	4	58.0	1	50.6	1
17	SY TOUCHSTONE (04PN028B-3)	HRW		66.2	5	54.7	5	45.2	8
12	KELDIN	HRW	A	65.7	6	55.9	4	48.0	3
23	CO 12D1770	HRW		63.7	7				
19	WA 8268	HRW		63.3	8				
11	WB ARROWHEAD	HRW	MD	62.3	9	51.6	8	46.1	6
2	NORWEST 553*	HRW	D	62.3	10	51.4	10	43.4	10
6	LCS AYMERIC	HRW		62.3	11	54.3	6	47.5	4
3	LCS EVINA	HRW	D	62.1	12	51.8	7	43.1	12
30	OR 2130118H	HWW		62.0	13				
24	OR 2130021R	HRW		61.9	14				
16	WHETSTONE	HRW	MD	61.7	15	50.7	11	45.3	7
7	LWW14-73915	HRW		61.7	16				
13	WB 4623 CLP	HRW		60.2	17	49.9	12		
26	CO 12D2011	HWW		60.1	18				
29	OR 2120276H	HWW		59.7	19	51.4	9	45.1	9
10	REBELDE	HRW		59.5	20				
25	IDO 1506	HWW		59.4	21				
27	OR 2110679	HWW		58.5	22	49.8	13	43.1	11
21	BRAWL CL+	HRW		58.4	23	46.8	16		
28	OR 2111025	HWW		57.9	24	47.7	14	41.9	13
9	METROPOLIS	HRW		56.1	25				
8	MANDALA	HRW		55.6	26				
14	XA 4103	HRW		55.3	27				
20	WA 8269	HRW		54.9	28				
22	DENALI	HRW		54.8	29	47.4	15		
18	CLEARSTONE CL2	HRW		52.8	30	42.4	17	39.9	14
	Site Average			60.9		51.6		45.4	
	LSD (0.05)			5.2		3.6		2.6	
	CV (%)			6.1		7.0		7.0	

[†] 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; UCS = Unacceptable Except Customer-Specific Uses



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5 Year Average Test Weight = 60.3 lbs/bu 5 Year Average Grain Protein = 12.7%

Entry	Variety	Class	Test Weight	Plant Height	Heading Date	Protein
			lbs/bu	inches	DOY	%
15	XA 4104	HRW	63.1	32.3	138.0	10.2
1	BOBTAIL*	SWW	58.6	32.8	139.5	9.5
4	LCS JET	HRW	60.8	30.0	139.5	10.1
5	NSA 10-2196	HRW	59.8	31.3	139.5	10.0
17	SY TOUCHSTONE (04PN028B-3)	HRW	61.4	29.0	139.5	10.0
12	KELDIN	HRW	62.7	34.3	140.5	9.1
23	CO 12D1770	HRW	62.9	32.8	139.0	9.8
19	WA 8268	HRW	60.5	31.0	141.0	10.6
11	WB ARROWHEAD	HRW	62.6	35.3	138.0	10.6
2	NORWEST 553*	HRW	61.8	30.0	138.5	10.7
6	LCS AYMERIC	HRW	59.6	30.3	139.5	9.4
3	LCS EVINA	HRW	60.8	33.3	139.5	10.2
30	OR 2130118H	HWW	63.3	32.3	140.5	10.1
24	OR 2130021R	HRW	62.2	31.0	141.0	11.0
16	WHETSTONE	HRW	59.8	33.8	139.0	10.9
7	LWW14-73915	HRW	58.4	33.0	139.0	10.8
13	WB 4623 CLP	HRW	61.9	31.8	138.5	10.4
26	CO 12D2011	HWW	63.9	33.5	139.0	10.3
29	OR 2120276H	HWW	61.1	32.5	138.5	10.9
10	REBELDE	HRW	62.3	30.5	140.0	10.9
25	IDO 1506	HWW	61.0	24.3	140.0	9.9
27	OR 2110679	HWW	60.2	31.8	139.5	10.7
21	BRAWL CL+	HRW	63.9	35.5	140.0	11.7
28	OR 2111025	HWW	61.3	31.0	140.5	11.4
9	METROPOLIS	HRW	60.4	31.0	140.0	12.0
8	MANDALA	HRW	62.1	32.5	139.0	10.1
14	XA 4103	HRW	63.4	32.3	139.5	10.6
20	WA 8269	HRW	58.3	27.3	140.5	11.1
22	DENALI	HRW	62.3	33.5	139.5	10.3
18	CLEARSTONE CL2	HRW	60.4	35.0	138.8	10.9
	Site Average		61.3	31.8	139.5	10.5
	LSD (0.05)		1.5	2.4	NS	1.1
	CV (%)		1.8	5.5	1.2	7.5

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