



2013 OREGON HARD WINTER ELITE YIELD TRIALS MILTON-FREEWATER



Site Quality Index[†] = 2.5

1 = Poor 3 = Average 5 = Excellent

Site Description: Site received approximately 4 inches of supplemental irrigation.

Extensive lodging increased plot to plot variability. Long term data not available for this site.

Grain protein data indicate that there was insufficient nitrogen for hard wheat production at this site.

Entry	Variety	Class	2013 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data	
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
7	AZIMUT	HRW	144.2	1	136.9	1		
19	OR 2080156H	HWW	135.2	2	127.0	3		
20	OR 2080227H	HWW	132.9	3	123.1	4		
25	OR 2100081H	HWW	132.3	4				
21	OR 2080229H	HWW	131.9	5	118.8	8		
1	SKILES*	SWW	128.6	6	130.3	2		
22	OR 2080236H	HWW	125.6	7	121.5	6		
13	WB-ARROWHEAD	HRW	122.6	8	113.6	10		
14	KELDIN	HRW	122.3	9	122.8	5		
17	IDO 1101	HWW	120.5	10				
24	OR 2100061H	HWW	120.3	11				
8	NSA 06-4663	HRW	119.0	12				
12	WB-RIMROCK	HRW	117.2	13	116.3	9		
2	NORWEST 553	HRW	115.4	14	119.1	7		
11	GENESIS	HRW	114.8	15				
9	DAS 001	HRW	110.5	16				
16	AP 503 CL2	HRW	109.2	17	94.1	13		
15	WHETSTONE	HRW	106.8	18	110.5	11		
23	OR 2090107H	HWW	103.2	19	108.4	12		
4	IDO 1102	HRW	102.7	20				
6	IDO 816	HRW	99.1	21				
5	IDO 1103	HRW	96.5	22				
18	UI SILVER	HWW	95.7	23	86.9	14		
10	DAS 002	HRW	90.5	24				
3	UI SRG	HRW	85.1	25	78.3	15		
	Site Average		115.0		114.2			
	LSD (0.05)		17.5		13.4			
	CV (%)		9.6		11.1			

[†] 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.

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.



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Entry	Variety	Class	Test Weight	Plant Height	Heading Date	Lodging	Protein
			lbs/bu	inches	DOY	%	%
7	AZIMUT	HRW	58.5	32.3	138.8	10.0	9.6
19	OR 2080156H	HWW	61.7	43.8	137.0	22.5	9.5
20	OR 2080227H	HWW	61.6	42.5	137.0	38.8	8.1
25	OR 2100081H	HWW	60.0	41.3	140.8	17.5	9.9
21	OR 2080229H	HWW	62.6	43.0	135.0	20.0	9.0
1	SKILES*	SWW	60.9	39.8	136.0	15.0	9.9
22	OR 2080236H	HWW	60.2	42.3	136.0	30.0	9.9
13	WB-ARROWHEAD	HRW	61.8	46.0	136.5	30.0	10.0
14	KELDIN	HRW	61.4	43.0	135.5	37.5	9.9
17	IDO 1101	HWW	60.8	38.8	134.5	62.5	9.8
24	OR 2100061H	HWW	60.2	42.0	134.5	26.3	9.6
8	NSA 06-4663	HRW	59.8	32.5	137.8	22.5	8.9
12	WB-RIMROCK	HRW	60.6	42.8	136.0	45.0	10.2
2	NORWEST 553	HRW	61.1	36.5	137.0	0.0	10.5
11	GENESIS	HRW	61.6	36.0	138.0	25.0	10.2
9	DAS 001	HRW	60.8	41.3	135.5	52.5	10.9
16	AP 503 CL2	HRW	61.1	38.3	135.0	55.0	10.3
15	WHETSTONE	HRW	60.1	41.5	136.3	45.0	10.6
23	OR 2090107H	HWW	59.3	43.3	136.0	30.0	8.9
4	IDO 1102	HRW	59.7	39.8	134.0	65.0	9.9
6	IDO 816	HRW	59.6	45.8	134.5	72.5	9.7
5	IDO 1103	HRW	60.2	43.3	137.5	62.5	9.2
18	UI SILVER	HWW	60.6	43.3	134.5	87.5	10.1
10	DAS 002	HRW	62.7	43.3	137.0	45.0	10.4
3	UI SRG	HRW	58.8	46.0	136.5	87.5	11.0
	Site Average		60.6	41.1	136.3	40.2	9.9
	LSD (0.05)		1.3	3.0	3.8	33.9	1.7
	CV (%)		1.5	5.3	2.0	59.9	11.9

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