



2011 OREGON HARD WINTER ELITE YIELD TRIALS ARLINGTON



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

Site Description: Stripe rust reduced grain yields and test weights of susceptible varieties.
High plot to plot variability reduced site quality index score.

5 Year Average Yield = 49.1 bu/ac

Entry	Variety	Class	2011 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data	
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
3	NORWEST 553	HRW	78.1	1	63.2	1		
17	ESPERIA	HRW	76.8	2	58.8	4		
11	WB-TUCSON	HRW	75.6	3	62.8	3		
14	AZIMUT	HRW	74.2	4				
23	OR2080111H	HWW	71.7	5	62.9	2		
13	ALTIGO	HRW	69.5	6				
30	OR2090107H	HWW	69.4	7				
29	OR2090046H	HWW	68.3	8				
12	ML9W05-2501	HRW	66.2	9	56.5	7		
16	SINOPE	HRW	66.2	10	51.5	12		
2	TUBBS 06*	SWW	66.0	11	56.6	6		
18	GENESI	HRW	65.5	12				
24	OR2080156H	HWW	64.3	13	52.9	10		
22	OR2070174H	HWW	64.1	14	57.1	5		
10	WB-RIMROCK	HRW	63.6	15	56.4	8		
15	ILLIAS	HRW	62.1	16	56.2	9		
1	STEPHENS*	SWW	58.3	17	49.1	17		
20	WHETSTONE	HRW	58.2	18	52.3	11		
19	AGRIPRO PALADIN	HRW	56.5	19	49.4	16		
25	OR2080227H	HWW	55.8	20	51.4	13		
26	OR2080229H	HWW	55.4	21	49.5	15		
27	OR2080236H	HWW	53.0	22	51.0	14		
9	FARNUM	HRW	52.1	23	48.3	18		
21	AP 503CL2	HRW	51.6	24				
28	OR2090026H	HWW	50.4	25				
7	UI LELAND	HRW	49.4	26				
6	UI STAN	HRW	42.2	27				
4	UICF GRACE	HWW	40.9	28				
5	UI SILVER	HWW	39.2	29				
8	BAUERMEISTER	HRW	37.8	30	40.7	19		
	Site Average		59.9		54.0			
	LSD (0.05)		8.8		6.4			
	CV (%)		10.3		11.2			

[†] 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 unublishable
- 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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Site Description: Stripe rust reduced grain yields and test weights of susceptible varieties.
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5 Year Average Test Weight = 61.9 lbs/bu 5 Year Average Grain Protein = 11.7%

Entry	Variety	Class	Test Weight lbs/bu	Plant Height inches	Heading Date DOY	Protein %
3	NORWEST 553	HRW	62.1	33.0		11.9
17	ESPERIA	HRW	62.5	31.0		11.8
11	WB-TUCSON	HRW	63.3	37.0		11.5
14	AZIMUT	HRW	61.0	33.0		10.6
23	OR2080111H	HWW	62.2	33.0		10.7
13	ALTIGO	HRW	59.6	31.0		11.0
30	OR2090107H	HWW	62.2	31.0		10.6
29	OR2090046H	HWW	62.7	33.0		11.2
12	ML9W05-2501	HRW	62.5	37.0		11.7
16	SINOPE	HRW	57.4	37.0		10.0
2	TUBBS 06*	SWW	60.0	35.0		10.9
18	GENESI	HRW	62.8	33.0		12.3
24	OR2080156H	HWW	62.3	33.0		11.3
22	OR2070174H	HWW	62.2	35.0		11.5
10	WB-RIMROCK	HRW	62.0	39.0		11.3
15	ILLIAS	HRW	58.3	35.0		11.2
1	STEPHENS*	SWW	60.3	31.0		11.1
20	WHETSTONE	HRW	62.4	37.0		11.2
19	AGRIPRO PALADIN	HRW	63.1	33.0		11.8
25	OR2080227H	HWW	60.6	33.0		10.2
26	OR2080229H	HWW	62.0	35.0		10.8
27	OR2080236H	HWW	59.5	31.0		11.9
9	FARNUM	HRW	59.5	35.0		11.7
21	AP 503CL2	HRW	63.0	33.0		11.9
28	OR2090026H	HWW	62.6	33.0		11.8
7	UI LELAND	HRW	61.6	35.0		11.0
6	UI STAN	HRW	60.2	35.0		11.3
4	UICF GRACE	HWW	59.2	39.0		12.2
5	UI SILVER	HWW	62.4	35.0		10.9
8	BAUERMEISTER	HRW	60.0	33.0		11.8
	Site Average		61.3			11.3
	LSD (0.05)		1.1			0.8
	CV (%)		1.3			5.0

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