



## 2011 OREGON HARD WINTER ELITE YIELD TRIALS HERMISTON - SOILBORNE MOSIAC VIRUS TRIAL



Site Quality Index<sup>†</sup> = 4  
1 = Poor 3 = Average 5 = Excellent

**Site Description:** New site for 2011. Established to evaluate varieties for soilborne wheat mosaic virus.  
Foliar leaf diseases were controlled with fungicide applications.

Entry	Variety	Class	2011 Yield Data <sup>‡</sup>		2-Year Yield Data		3-Year Yield Data	
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
13	ALTIGO	HRW	170.3	1				
18	GENESI	HRW	<b>153.8</b>	2				
29	OR2090046H	HWW	<b>147.8</b>	3				
21	AP 503CL2	HRW	<b>147.5</b>	4				
17	ESPERIA	HRW	<b>146.3</b>	5				
14	AZIMUT	HRW	<b>146.1</b>	6				
19	AGRIPRO PALADIN	HRW	<b>143.5</b>	7				
22	OR2070174H	HWW	<b>137.4</b>	8				
28	OR2090026H	HWW	<b>135.4</b>	9				
20	WHETSTONE	HRW	<b>134.8</b>	10				
3	NORWEST 553	HRW	<b>134.7</b>	11				
30	OR2090107H	HWW	<b>132.8</b>	12				
23	OR2080111H	HWW	<b>130.5</b>	13				
12	ML9W05-2501	HRW	<b>130.3</b>	14				
16	SINOPE	HRW	<b>127.0</b>	15				
2	TUBBS 06*	SWW	124.9	16				
10	WB-RIMROCK	HRW	<b>124.2</b>	17				
11	WB-TUCSON	HRW	<b>122.4</b>	18				
15	ILLIAS	HRW	<b>116.9</b>	19				
27	OR2080236H	HWW	<b>115.8</b>	20				
1	STEPHENS*	SWW	115.2	21				
25	OR2080227H	HWW	<b>109.4</b>	22				
26	OR2080229H	HWW	<b>105.4</b>	23				
6	UI STAN	HRW	<b>102.2</b>	24				
4	UICF GRACE	HWW	<b>100.5</b>	25				
5	UI SILVER	HWW	<b>99.0</b>	26				
24	OR2080156H	HWW	<b>97.3</b>	27				
7	UI LELAND	HRW	<b>95.0</b>	28				
8	BAUERMEISTER	HRW	<b>91.4</b>	29				
9	FARNUM	HRW	<b>85.8</b>	30				
	Site Average		124.4					
	LSD (0.05)		12.8					
	CV (%)		7.2					

<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> Soilborne Wheat Mosaic Virus Rating. Ratings range from 0 to 10, where 0 represents plants not expressing mosaic and/or stunting, and 10 represents severe mosaic, chlorosis and/or stunting. Ratings by Tim Murrery, WSU Plant Pathologist.



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Entry	Variety	Class	Test Weight lbs/bu	Plant Height inches	Lodging %	Protein %	SBMV Rating <sup>§</sup> 0-10
13	ALTIGO	HRW	59.3	33.0	0.0	11.0	2.0
18	GENESI	HRW	63.1	33.0	7.5	12.6	0.8
29	OR2090046H	HWW	62.8	34.5	60.0	12.4	1.3
21	AP 503CL2	HRW	62.4	34.3	35.0	12.7	1.3
17	ESPERIA	HRW	62.9	32.5	47.5	13.2	0.0
14	AZIMUT	HRW	60.1	28.5	17.5	12.2	6.0
19	AGRIPRO PALADIN	HRW	62.7	36.8	0.0	12.9	1.5
22	OR2070174H	HWW	62.1	36.8	2.5	12.6	1.0
28	OR2090026H	HWW	62.6	33.8	32.5	13.3	1.3
20	WHETSTONE	HRW	61.2	31.8	70.0	13.5	1.5
3	NORWEST 553	HRW	63.6	29.3	2.5	14.3	6.0
30	OR2090107H	HWW	61.9	32.8	0.0	12.6	5.8
23	OR2080111H	HWW	62.4	29.8	0.0	14.0	5.0
12	ML9W05-2501	HRW	62.5	37.0	0.0	12.3	4.0
16	SINOPE	HRW	58.0	30.3	2.5	13.1	6.0
2	TUBBS 06*	SWW	58.8	33.3	15.0	12.6	5.3
10	WB-RIMROCK	HRW	62.1	32.5	62.5	13.0	5.5
11	WB-TUCSON	HRW	64.1	31.8	10.0	13.0	5.8
15	ILLIAS	HRW	58.4	29.7	3.3	14.4	6.5
27	OR2080236H	HWW	57.1	34.8	17.5	13.3	5.8
1	STEPHENS*	SWW	60.9	26.0	2.5	13.4	5.3
25	OR2080227H	HWW	60.4	30.3	77.5	13.3	6.5
26	OR2080229H	HWW	62.9	32.8	60.0	13.6	6.0
6	UI STAN	HRW	60.8	38.5	37.5	13.8	5.5
4	UICF GRACE	HWW	62.0	35.5	25.0	16.0	5.0
5	UI SILVER	HWW	61.8	33.0	36.7	14.0	5.3
24	OR2080156H	HWW	62.2	28.3	0.0	15.1	6.5
7	UI LELAND	HRW	60.8	34.8	67.5	13.1	5.5
8	BAUERMEISTER	HRW	58.2	32.0	80.0	13.7	5.8
9	FARNUM	HRW	56.8	37.0	32.5	15.2	4.8
	Site Average		61.2	32.8	26.9	13.3	
	LSD (0.05)		1.4	2.7	26.3	0.6	
	CV (%)		1.6	5.9	68.8	3.0	

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