



2011 OREGON HARD WINTER ELITE YIELD TRIALS PENDLETON-RUGGS



Site Quality Index[†] = 3.5
1 = Poor 3 = Average 5 = Excellent

Site Description: Severe stripe rust reduced grain yields and test weights of susceptible varieties.

5 Year Average Yield = 95.3 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
16	SINOPE	HRW	160.3	1	136.0	1	123.2	2
25	OR2080227H	HWW	154.5	2	133.2	3		
14	AZIMUT	HRW	154.5	3				
3	NORWEST 553	HRW	150.9	4	133.4	2	123.4	1
26	OR2080229H	HWW	150.2	5	131.1	4		
22	OR2070174H	HWW	141.1	6	120.7	5		
27	OR2080236H	HWW	140.7	7	117.5	7		
12	ML9W05-2501	HRW	130.8	8	118.0	6		
24	OR2080156H	HWW	130.1	9	116.2	8		
13	ALTIGO	HRW	115.3	10				
30	OR2090107H	HWW	115.0	11				
15	ILLIAS	HRW	111.4	12	103.8	9	99.2	3
29	OR2090046H	HWW	107.6	13				
1	STEPHENS*	SWW	107.0	14	97.9	11	97.9	4
28	OR2090026H	HWW	103.5	15				
23	OR2080111H	HWW	98.3	16	103.7	10		
20	WHETSTONE	HRW	96.6	17	96.6	12	95.5	5
6	UI STAN	HRW	89.8	18				
5	UI SILVER	HWW	87.3	19				
18	GENESI	HRW	86.2	20				
21	AP 503CL2	HRW	84.3	21				
11	WB-TUCSON	HRW	79.3	22	82.2	13		
8	BAUERMEISTER	HRW	69.9	23	75.2	15	80.4	6
7	UI LELAND	HRW	68.6	24				
2	TUBBS 06*	SWW	68.0	25	63.5	17	75.1	7
19	AGRIPRO PALADIN	HRW	63.8	26	61.8	18	67.9	9
4	UICF GRACE	HWW	61.2	27				
9	FARNUM	HRW	60.5	28	70.2	16	73.5	8
17	ESPERIA	HRW	50.1	29	75.3	14		
10	WB-RIMROCK	HRW	48.4	30	56.9	19	67.3	10
	Site Average		102.9		99.6		90.6	
	LSD (0.05)		12.8		8.6		7.1	
	CV (%)		8.9		8.1		8.8	

[†] 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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Site Description: Severe stripe rust reduced grain yields and test weights of susceptible varieties.

5 Year Average Test Weight = 59.6 lbs/bu 5 Year Average Grain Protein = 11.6%

Entry	Variety	Class	Test Weight lbs/bu	Plant Height inches	Heading Date DOY	Protein %	Stripe Rust %
16	SINOPE	HRW	60.8	45.3	166.0	9.9	3.3
25	OR2080227H	HWW	64.5	47.2	164.8	9.4	1.0
14	AZIMUT	HRW	61.0	36.9	157.8	10.0	1.0
3	NORWEST 553	HRW	64.4	39.4	160.0	11.1	2.0
26	OR2080229H	HWW	65.2	45.8	165.3	9.3	2.0
22	OR2070174H	HWW	64.4	44.3	165.8	9.9	4.0
27	OR2080236H	HWW	63.8	42.8	170.8	10.1	10.3
12	ML9W05-2501	HRW	64.4	47.7	161.5	10.7	2.0
24	OR2080156H	HWW	63.9	43.8	163.8	10.4	22.5
13	ALTIGO	HRW	61.0	37.9	160.3	9.4	26.3
30	OR2090107H	HWW	62.0	44.8	137.8	9.6	32.5
15	ILLIAS	HRW	61.8	46.8	170.0	9.8	30.0
29	OR2090046H	HWW	63.8	45.8	162.3	9.8	42.5
1	STEPHENS*	SWW	62.8	43.8	162.3	10.2	45.0
28	OR2090026H	HWW	63.9	43.3	163.5	9.7	26.3
23	OR2080111H	HWW	61.9	41.8	160.3	11.1	35.0
20	WHETSTONE	HRW	64.0	43.8	159.3	9.7	26.3
6	UI STAN	HRW	63.2	52.2	167.0	11.1	3.0
5	UI SILVER	HWW	63.9	47.2	166.8	10.6	7.8
18	GENESI	HRW	62.3	36.9	156.5	11.3	71.3
21	AP 503CL2	HRW	64.2	41.8	158.0	10.6	52.5
11	WB-TUCSON	HRW	64.1	42.3	165.3	10.8	85.0
8	BAUERMEISTER	HRW	61.3	43.3	172.5	9.8	25.0
7	UI LELAND	HRW	63.4	46.3	170.3	10.6	70.0
2	TUBBS 06*	SWW	61.1	46.8	166.8	9.6	83.8
19	AGRIPRO PALADIN	HRW	61.8	37.4	161.8	9.8	73.8
4	UICF GRACE	HWW	63.9	56.1	168.8	12.4	77.5
9	FARNUM	HRW	62.6	48.7	174.5	12.0	9.0
17	ESPERIA	HRW	60.8	36.4	155.5	12.8	87.5
10	WB-RIMROCK	HRW	60.7	42.3	163.3	10.9	85.0
	Site Average		62.9	44.0	164.3	10.4	34.8
	LSD (0.05)		0.5	2.4	1.3	0.8	10.5
	CV (%)		0.6	3.9	0.6	5.5	21.6

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