



## 2011 OREGON SOFT 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.  
Site was fertilized for hard red winter wheat production, which led to high grain protein and lodging.  
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
20	SY OVATION (30PN-108#21)	SWW	162.1	1				
39	OR2070870	SWW	162.1	2				
34	ARS 97230-6C	Club	157.7	3				
45	OR08047P94	SWW	150.2	4				
29	WB 1066CL	SWW	145.5	5				
24	ORCF-103	SWW	145.0	6				
16	WB JUNCTION (BZ6W02-616)	SWW	134.8	7				
40	OR2071029	SWW	134.1	8				
27	UICF-BRUNDAGE	SWW	133.8	9				
10	ID 96-16702A	SWW	132.2	10				
15	WESTBRED 528	SWW	131.7	11				
35	OR2040726 (MARY)	SWW	131.5	12				
19	AP BADGER	SWW	131.2	13				
44	OR2080641	SWW	130.8	14				
43	OR2071073	SWW	130.5	15				
14	NSA 06-2153A	SWW	127.6	16				
8	BRUNDAGE 96	SWW	125.9	17				
12	XERPHA	SWW	125.2	18				
11	IDO 663	SWW	123.1	19				
41	OR2071071	SWW	123.1	20				
9	BRUNEAU	SWW	121.3	21				
22	ORCF-101R	SWW	120.2	22				
6	SKILES	SWW	120.0	23				
18	AP LEGACY	SWW	119.9	24				
26	ORI2101839	SWW	119.2	25				
1	STEPHENS*	SWW	117.6	26				
37	OR2060395	SWW	117.6	27				
7	GOETZE/SKILES BLEND	SWW	116.5	28				
23	ORCF-102	SWW	115.6	29				
42	OR2071628	SWW	115.6	30				
28	AP 700CL	SWW	115.2	31				
21	ORCF-101	SWW	115.0	32				
17	LEGION	SWW	113.9	33				
38	OR2070608	SWW	113.4	34				
3	TUBBS 06*	SWW	112.5	35				
2	MADSEN*	SWW	111.2	36				
5	GOETZE	SWW	110.0	37				
4	ORSS-1757	SWW	107.9	38				
13	WA 8092	SWW	107.9	39				
32	ARS 970042-1C	Club	102.1	40				
36	OR2060323	SWW	97.3	41				
25	ORI2101835	SWW	96.2	42				
31	CARA	Club	91.1	43				
33	ARS 98X402-1C	Club	63.9	44				
30	CODA	Club	49.8	45				
	Site Average		120.8					
	LSD (0.05)		14.8					
	CV (%)		8.1					

<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.

\* 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 Murraray, WSU Plant Pathologist.



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Entry	Variety	Class	Test Weight	Plant Height	Lodging	Protein	SBMV Rating <sup>§</sup>
			lbs/bu	inches	%	%	0-10
20	SY OVATION (30PN-108#21)	SWW	59.9	34.8	7.5	12.4	0.5
39	OR2070870	SWW	61.3	31.0	0.0	12.1	0.8
34	ARS 97230-6C	Club	62.0	32.5	0.0	12.3	1.5
45	OR08047P94	SWW	61.1	30.0	0.0	12.8	4.8
29	WB 1066CL	SWW	61.9	39.5	5.0	13.4	0.5
24	ORCF-103	SWW	60.9	36.7	0.0	11.9	1.3
16	WB JUNCTION (BZ6W02-616)	SWW	61.7	28.5	2.5	12.7	4.3
40	OR2071029	SWW	60.5	29.3	2.5	13.2	5.8
27	UICF-BRUNDAGE	SWW	60.7	28.5	0.0	12.5	4.8
10	ID 96-16702A	SWW	62.0	32.5	0.0	13.2	4.8
15	WESTBRED 528	SWW	60.8	31.0	20.0	13.3	5.0
35	OR2040726 (MARY)	SWW	61.2	31.0	0.0	13.2	5.0
19	AP BADGER	SWW	60.0	27.5	0.0	12.5	5.8
44	OR2080641	SWW	60.1	31.0	0.0	12.7	4.5
43	OR2071073	SWW	58.1	30.8	32.5	13.0	6.3
14	NSA 06-2153A	SWW	59.8	26.5	10.0	12.2	6.3
8	BRUNDAGE 96	SWW	60.4	29.0	0.0	13.2	4.8
12	XERPHA	SWW	59.9	30.8	40.0	13.3	6.0
11	IDO 663	SWW	61.2	27.5	7.5	13.5	4.5
41	OR2071071	SWW	58.8	27.0	25.0	12.6	6.3
9	BRUNEAU	SWW	61.7	30.8	5.0	12.6	4.5
22	ORCF-101R	SWW	62.0	34.0	0.0	13.8	5.0
6	SKILES	SWW	61.0	28.0	0.0	13.8	5.5
18	AP LEGACY	SWW	60.7	30.0	0.0	12.9	5.5
26	ORI2101839	SWW	59.6	30.3	2.5	13.2	6.0
1	STEPHENS*	SWW	60.6	26.5	0.0	13.7	4.8
37	OR2060395	SWW	60.2	27.3	2.5	13.2	5.8
7	GOETZE/SKILES BLEND	SWW	60.3	26.8	0.0	13.5	5.8
23	ORCF-102	SWW	60.8	30.3	5.0	13.1	5.5
42	OR2071628	SWW	59.2	29.0	32.5	13.1	5.8
28	AP 700CL	SWW	60.3	28.5	2.5	13.7	5.3
21	ORCF-101	SWW	61.8	27.8	0.0	13.3	5.8
17	LEGION	SWW	59.7	27.8	22.5	13.0	6.0
38	OR2070608	SWW	60.7	29.0	57.5	13.4	5.8
3	TUBBS 06*	SWW	59.2	29.5	25.0	12.8	5.8
2	MADSEN*	SWW	60.2	31.5	17.5	12.7	6.0
5	GOETZE	SWW	59.9	24.3	0.0	13.3	6.3
4	ORSS-1757	SWW	59.6	27.8	27.5	12.9	5.8
13	WA 8092	SWW	59.2	31.5	20.0	13.6	5.0
32	ARS 970042-1C	Club	59.3	27.3	17.5	14.1	5.3
36	OR2060323	SWW	58.4	26.8	20.0	13.3	7.0
25	ORI2101835	SWW	60.7	30.8	0.0	14.0	6.5
31	CARA	Club	59.8	29.0	17.5	15.1	6.8
33	ARS 98X402-1C	Club	61.5	28.3	50.0	13.4	8.0
30	CODA	Club	59.9	31.3	0.0	13.5	9.0
	Site Average		60.4	29.7	10.4	13.1	
	LSD (0.05)		2.0	4.0	22.8	1.0	
	CV (%)		2.3	9.5	154.9	5.7	

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