



2015 OREGON SPRING ELITE YIELD TRIALS SOUTH WILLAMETTE VALLEY (Irrigated)



Site Quality Index[†] = 2.5
1 = Poor 3 = Average 5 = Excellent

Site Description: Stripe rust significantly reduced grain yield and test weight of susceptible varieties at this site.
2-Year data from 2015 and 2013; 2014 data was not available for this site.

5 Year Average Yield = 49.3 bu/ac

Entry	Variety	Class	2015 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data	
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
9	WB 9668	HRS	100.7	1				
24	LCS STAR	HWS	100.7	2				
15	UC 1745	HRS	99.0	3				
22	DAYN	HWS	96.5	4	79.5	1		
16	HRS 3419	HRS	94.8	5				
1	WA 8217	HRS	94.5	6				
6	11 SB 0096	HRS	94.5	7	74.5	3		
10	WB 9229	HRS	88.1	8				
41	WB 6121	SWS	87.8	9	71.3	5		
8	WB 9518	HRS	86.2	10	79.0	2		
29	UC 1744	HWS	85.1	11				
4	SY 04W40292R	HRS	79.7	12				
26	12 SB 0131	HWS	79.7	13				
28	UC 12013-22	HWS	78.3	14	66.4	6		
27	CLEAR WHITE 515	HWS	76.3	15				
39	12 SW 052	SWS	76.3	16				
37	WA 8189	SWS	76.1	17	73.6	4		
38	12 SW 079	SWS	75.7	18				
7	10 SB 0087-B	HRS	73.8	19				
36	WA 8214	SWS	71.3	20				
20	YS 801	HRS	64.1	21				
25	12 SB 0146	HWS	63.5	22				
5	SY 3001-2	HRS	62.8	23				
3	SY STEELHEAD	HRS	60.5	24	58.1	8		
23	LCS ATOMO	HWS	56.8	25				
35	WHIT	SWS	55.8	26	49.2	9		
34	DIVA	SWS	55.4	27	60.9	7		
13	IDO 862 E	HRS	50.5	28	40.9	12		
30	UI PLATINUM	HWS	50.4	29	41.9	11		
14	IDO 862 T	HRS	49.5	30	42.8	10		
12	UI WINCHESTER	HRS	48.1	31				
32	YS 601	HWS	47.8	32				
2	SY BULLSEYE	HRS	47.7	33	36.9	18		
43	UI STONE	SWS	47.4	34	40.8	13		
40	12 SW 068	SWS	46.9	35				
33	ALTURAS	SWS	41.7	36	39.7	15		
31	IDO 1202 S	HWS	40.9	37	40.7	14		
21	YS 802	HRS	40.7	38				
44	M 12001	SWS	40.6	39				
45	IDO 851	SWS	40.1	40	37.9	17		
42	WB 6341	SWS	38.4	41	39.2	16		
17	HRS 3504	HRS	37.4	42				
11	JEFFERSON*	HRS	34.2	43	30.9	19		
18	HRS 3530	HRS	31.0	44				
19	HRS 3361	HRS	26.7	45				
	Site Average		64.1		52.8			
	LSD (0.05)		8.7		6.9			
	CV (%)		9.4		12.7			

[†] 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: Stripe rust significantly reduced grain yield and test weight of susceptible varieties at this site.
2-Year data from 2015 and 2013; 2014 data was not available for this site.

5 Year Average Test Weight = 60.1 lbs/bu 5 Year Average Grain Protein = 12.4%

Entry	Variety	Class	Test Weight lbs/bu	Plant Height inches	Heading Date DOY	Protein %	Stripe Rust Rating %
9	WB 9668	HRS	63.9	31.5	145.0	14.2	0.0
24	LCS STAR	HWS	63.1	33.5	148.0	12.3	1.3
15	UC 1745	HRS	63.8	31.5	152.0	12.4	0.0
22	DAYN	HWS	63.1	35.9	146.8	13.2	22.5
16	HRS 3419	HRS	62.9	35.9	152.0	11.9	0.0
1	WA 8217	HRS	62.4	38.4	146.5	13.8	0.0
6	11 SB 0096	HRS	62.1	34.4	148.0	13.5	1.3
10	WB 9229	HRS	62.2	30.0	151.0	14.2	0.0
41	WB 6121	SWS	62.0	34.4	145.8	12.2	0.0
8	WB 9518	HRS	61.6	32.0	148.0	14.1	0.0
29	UC 1744	HWS	61.6	33.5	147.3	13.9	0.0
4	SY 04W40292R	HRS	59.7	34.0	152.0	13.6	3.8
26	12 SB 0131	HWS	60.5	32.5	151.0	13.4	26.3
28	UC 12013-22	HWS	60.1	33.0	152.0	12.5	1.3
27	CLEAR WHITE 515	HWS	60.4	33.5	145.8	14.5	0.0
39	12 SW 052	SWS	60.6	36.9	152.0	11.3	10.5
37	WA 8189	SWS	62.9	37.4	NA	11.1	0.0
38	12 SW 079	SWS	60.2	35.4	152.0	11.2	15.0
7	10 SB 0087-B	HRS	61.7	30.5	152.0	13.0	8.8
36	WA 8214	SWS	61.0	34.9	147.3	11.5	16.3
20	YS 801	HRS	63.6	34.9	NA	13.4	57.5
25	12 SB 0146	HWS	60.3	31.0	151.0	12.5	52.5
5	SY 3001-2	HRS	60.5	37.4	145.8	14.5	42.5
3	SY STEELHEAD	HRS	63.3	35.4	151.5	14.0	47.5
23	LCS ATOMO	HWS	58.7	28.1	145.0	12.4	16.3
35	WHIT	SWS	60.1	35.4	148.0	12.5	85.0
34	DIVA	SWS	59.2	36.4	150.3	13.2	31.3
13	IDO 862 E	HRS	58.9	34.0	143.8	14.8	80.0
30	UI PLATINUM	HWS	59.8	28.5	147.5	13.0	57.5
14	IDO 862 T	HRS	58.9	34.9	146.8	14.2	70.0
12	UI WINCHESTER	HRS	59.6	32.5	145.8	14.2	72.5
32	YS 601	HWS	56.9	31.5	152.0	12.5	45.0
2	SY BULLSEYE	HRS	57.9	31.0	148.0	14.1	52.5
43	UI STONE	SWS	57.4	35.4	146.5	11.2	85.0
40	12 SW 068	SWS	55.1	33.5	148.0	12.5	80.0
33	ALTURAS	SWS	57.1	33.0	152.0	11.3	77.5
31	IDO 1202 S	HWS	58.9	35.9	150.3	13.7	48.8
21	YS 802	HRS	56.0	38.9	142.5	15.1	62.5
44	M 12001	SWS	58.1	31.5	152.0	11.5	70.0
45	IDO 851	SWS	58.1	32.0	152.0	11.3	70.0
42	WB 6341	SWS	54.7	30.5	149.0	10.9	90.0
17	HRS 3504	HRS	55.5	31.5	152.0	13.7	67.5
11	JEFFERSON*	HRS	57.3	34.0	148.0	13.7	85.0
18	HRS 3530	HRS	55.5	36.4	151.0	14.0	67.5
19	HRS 3361	HRS	52.8	32.5	151.0	13.1	80.0
	Site Average		59.8	33.7	148.9	13.0	37.8
	LSD (0.05)		1.2	1.5	2.4	0.8	18.1
	CV (%)		1.4	3.2	1.1	4.2	34.2

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