



**2013 OREGON SPRING ELITE YIELD TRIALS
SOUTH WILLAMETTE VALLEY (Irrigated)
IMPACT OF FOLIAR DISEASE ON GRAIN YIELD**



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

Site Description: Stripe rust was the predominant foliar disease at this site.
Protected plots received two fungicide applications to control foliar diseases.
Fungicide applications consisted of 14 oz of Quilt Xcel on 4/27 and 5/22.

Entry	Variety	Class	Yield - Protected [‡]	Yield - Unprotected [‡]	Yield Loss Due to Foliar Disease	
			bu/ac	bu/ac	bu/ac	%
1	WA 8217	HRS	73.3	94.5	0.0	0.0
2	SY BULLSEYE	HRS	89.7	47.7	42.1	46.9
3	SY STEELHEAD	HRS	87.7	60.5	27.2	31.0
4	SY 04W40292R	HRS	92.2	79.7	12.5	13.5
5	SY 3001-2	HRS	82.0	62.8	19.2	23.4
6	11 SB 0096	HRS	89.0	94.5	0.0	0.0
7	10 SB 0087-B	HRS	88.6	73.8	14.7	16.6
8	WB 9518	HRS	84.7	86.2	0.0	0.0
9	WB 9668	HRS	88.5	100.7	0.0	0.0
10	WB 9229	HRS	91.0	88.1	2.9	3.2
11	JEFFERSON*	HRS	81.0	34.2	46.7	57.7
12	UI WINCHESTER	HRS	84.5	48.1	36.3	43.0
13	IDO 862 E	HRS	84.5	50.5	34.0	40.3
14	IDO 862 T	HRS	83.0	49.5	33.5	40.4
15	UC 1745	HRS	97.2	99.0	0.0	0.0
16	HRS 3419	HRS	104.9	94.8	10.1	9.6
17	HRS 3504	HRS	106.6	37.4	69.3	65.0
18	HRS 3530	HRS	98.8	31.0	67.8	68.6
19	HRS 3361	HRS	96.2	26.7	69.5	72.3
20	YS 801	HRS	83.2	64.1	19.1	22.9
21	YS 802	HRS	83.6	40.7	42.9	51.3
22	DAYN	HWS	95.6	96.5	0.0	0.0
23	LCS ATOMO	HWS	91.4	56.8	34.6	37.8
24	LCS STAR	HWS	108.0	100.7	7.3	6.8
25	12 SB 0146	HWS	99.5	63.5	36.0	36.2
26	12 SB 0131	HWS	94.3	79.7	14.6	15.5
27	CLEAR WHITE 515	HWS	85.5	76.3	9.2	10.8
28	UC 12013-22	HWS	92.9	78.3	14.7	15.8
29	UC 1744	HWS	82.3	85.1	0.0	0.0
30	UI PLATINUM	HWS	83.2	50.4	32.8	39.4
31	IDO 1202 S	HWS	78.2	40.9	37.3	47.7
32	YS 601	HWS	94.4	47.8	46.6	49.4
33	ALTURAS	SWS	104.0	41.7	62.3	59.9
34	DIVA	SWS	83.7	55.4	28.3	33.8
35	WHIT	SWS	89.5	55.8	33.7	37.7
36	WA 8214	SWS	94.9	71.3	23.6	24.8
37	WA 8189	SWS	85.2	76.1	9.1	10.7
38	12 SW 079	SWS	110.0	75.7	34.3	31.2
39	12 SW 052	SWS	115.5	76.3	39.2	34.0
40	12 SW 068	SWS	94.3	46.9	47.4	50.2
41	WB 6121	SWS	93.8	87.8	6.0	6.4
42	WB 6341	SWS	113.6	38.4	75.2	66.2
43	UI STONE	SWS	108.9	47.4	61.5	56.5
44	M 12001	SWS	95.8	40.6	55.2	57.6
45	IDO 851	SWS	104.3	40.1	64.2	61.5
	Site Average		92.4	64.1	28.3	30.6
	LSD (0.05)		12.3	8.7		
	CV (%)		9.3	9.4		

[†] 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.

* Indicates check variety.