



2013 OREGON SOFT WINTER ELITE YIELD TRIALS SOUTH WILLAMETTE VALLEY IMPACT OF FOLIAR DISEASE ON GRAIN YIELD



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

Site Description: Stripe rust and Septoria were the predominant foliar diseases at this site.
Protected plots received two fungicide applications to control foliar diseases.
Fungicide applications consisted of 14 oz of Quilt Xcel on 4/3 and 4/26.

Entry	Variety	Class	Yield - Protected [‡]	Yield - Unprotected [‡]	Yield Loss Due to Foliar Disease	
			bu/ac	bu/ac	bu/ac	%
1	STEPHENS*	SWW	132.2	88.9	43.3 [§]	32.7
2	TUBBS 06*	SWW	133.6	44.5	89.1 [§]	66.7
3	GOETZE	SWW	142.7	54.3	88.4 [§]	61.9
4	SKILES	SWW	153.7	140.5	13.2	8.6
5	MARY	SWW	134.7	76.0	58.7 [§]	43.6
6	KASEBERG	SWW	155.8	130.8	25.0 [§]	16.1
7	LADD	SWW	156.0	117.5	38.5 [§]	24.7
8	BRUNEAU	SWW	140.5	132.1	8.4	6.0
9	02-10606A	SWW	123.1	118.5	4.6	3.7
10	99-06202A	SWW	129.0	119.2	9.8	7.6
11	03-29902A	SWW	144.5	88.8	55.7 [§]	38.5
12	IDO 1108	SWW	136.1	111.2	24.9 [§]	18.3
13	LCS ARTDECO	SWW	156.4	115.4	41.0 [§]	26.2
14	LWW 10-1018	SWW	137.0	118.4	18.6	13.6
15	LWW 04-4009	SWW	120.0	119.5	0.5	0.4
16	WA 8151	SWW	138.3	116.5	21.8 [§]	15.8
17	WA 8153	SWW	144.6	128.8	15.8	10.9
18	YS 221	SWW	142.7	127.6	15.1 [§]	10.6
19	YS 461	SWW	140.7	133.3	7.4	5.3
20	YS 434	SWW	142.2	137.4	4.8	3.4
21	WB TRIFECTA	SWW	139.3	128.5	10.8	7.7
22	WB JUNCTION	SWW	126.1	141.7	-15.6	-12.4
23	WB EXP-427	SWW	135.9	131.1	4.8	3.5
24	WB EXP-436	SWW	151.3	132.3	19.0 [§]	12.6
25	LEGION	SWW	150.1	127.0	23.1 [§]	15.4
26	SY 107	SWW	142.7	81.4	61.3 [§]	42.9
27	AP BADGER	SWW	143.1	82.1	61.0 [§]	42.7
28	SY OVATION	SWW	163.1	130.3	32.8 [§]	20.1
29	ORCF-101	SWW	124.0	103.5	20.5 [§]	16.6
30	ORCF-102	SWW	136.0	82.1	53.9 [§]	39.6
31	ORCF-103	SWW	112.6	53.1	59.5 [§]	52.8
32	ORI 2101840	SWW	131.9	113.2	18.7 [§]	14.2
33	ORI 2101841	SWW	133.0	110.8	22.2	16.7
34	WA 8143	SWW	108.1	71.3	36.8 [§]	34.0
35	AP 700 CL	SWW	134.9	128.0	6.9	5.1
36	WB 1070 CL	SWW	147.4	125.4	22.0 [§]	14.9
37	CARA	Club	132.5	148.3	-15.8	-11.9
38	ARS 010669-2C	Club	116.0	124.6	-8.6	-7.4
39	ROSALYN	SWW	149.1	135.3	13.8 [§]	9.3
40	OR 2080641	SWW	140.0	123.0	17.0 [§]	12.2
41	BOBTAIL	SWW	161.1	145.3	15.8	9.8
42	OR 2080924	SWW	152.3	137.2	15.1 [§]	9.9
43	OR 2080637	SWW	120.2	130.7	-10.5	-8.7
44	OR 2080926	SWW	164.3	131.8	32.5 [§]	19.8
45	OR 2090473	SWW	157.2	141.7	15.5	9.8
	Site Average		139.6	116.7	22.9	16.4
	LSD (0.05)		18.8	14.9		
	CV (%)		9.4	8.7		

[†] 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 unpublished
- 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 the difference between protected and unprotected yield means are statistically significant at the 0.10 level

* Indicates check variety.