



2017 OREGON SOFT WINTER ELITE YIELD TRIALS SOUTH WILLAMETTE VALLEY IMPACT OF FOLIAR DISEASE ON GRAIN YIELD



Site Quality Index[†] = 4
1 = Poor 3 = Average 5 = Excellent

Site Description: Septoria was the predominant foliar disease at this site.
Protected plots received 4 oz/ac of Tilt on 3/23 and 12 oz/ac of Quilt Xcel on 5/8 to control foliar diseases.

Entry	Variety	Class	Yield		Yield Loss Due to Foliar Disease	
			Protected [‡] bu/ac	Unprotected [‡] bu/ac	bu/ac	%
1	STEPHENS*	SWW	106.7	99.9	6.8	6.4
2	TUBBS-06*	SWW	132.5	115.4	17.1	12.9
3	MARY	SWW	132.5	132.8	-0.4	-0.3
4	KASEBERG	SWW	133.7	125.7	8.1	6.0
5	ROSALYN	SWW	145.2	132.3	12.9	8.9
6	BOBTAIL	SWW	127.7	124.5	3.3	2.5
7	NORWEST TANDEM (LOR 334)	SWW	149.6	139.5	10.1	6.8
8	NORWEST DUET (LOR 092)	SWW	138.8	141.3	-2.5	-1.8
9	IDN 02-29001A	SWW	130.7	126.3	4.3	3.3
10	IDN 07-28017B	SWW	127.2	112.9	14.3	11.3
11	IDN 09-08357A	SWW	130.1	119.5	10.7	8.2
12	UI SPARROW (IDO 1108)	SWW	117.9	107.7	10.1	8.6
13	LCS ARTDECO	SWW	146.6	119.5	27.1	18.5
14	LCS BIANCOR	SWW	139.0	141.2	-2.2	-1.6
15	LCS DRIVE (LWW12-7105)	SWW	143.0	137.6	5.4	3.8
16	LWW14-73163	SWW	130.3	123.5	6.8	5.2
17	LWW14-71195	SWW	161.3	150.5	10.8	6.7
18	LWW14-74143	SWW	146.5	124.6	21.9	15.0
19	LWW14-72916	SWW	154.2	136.9	17.3	11.2
20	LWW14-73161	SWW	132.0	124.5	7.6	5.7
21	WB 1529	SWW	153.9	144.7	9.1	5.9
22	WB 1783 (EXP BZ6W09-471)	SWW	120.8	105.8	15.0	12.5
23	LEGION	SWW	118.2	109.3	8.9	7.5
24	SY 107	SWW	126.7	121.2	5.5	4.3
25	SY OVATION	SWW	120.4	118.7	1.7	1.4
26	SY ASSURE	SWW	146.4	140.1	6.3	4.3
27	SY COMMAND (SY 14PN066-7)	SWW	134.5	122.0	12.5	9.3
28	SY DAYTON (SY 09PN062#18)	SWW	125.4	112.8	12.6	10.0
29	SY BANKS (SY 09PN005#25)	SWW	133.7	124.5	9.1	6.8
30	SY RAPTOR (SY 09PN046#16)	SWW	118.1	114.1	4.1	3.4
31	SY 05PN100-63	SWW	108.7	118.8	-10.0	-9.2
32	SY 09PN008#72	SWW	137.1	126.9	10.2	7.4
33	JASPER	SWW	123.3	112.4	10.9	8.8
34	WA 8206	SWW	146.2	143.0	3.2	2.2
35	WA 8232	SWW	141.0	119.3	21.7	15.4
36	WA 8234	SWW	135.5	126.2	9.2	6.8
37	OR 2121086	SWW	134.5	121.8	12.7	9.4
38	OR 2121252	SWW	132.6	128.6	4.0	3.0
39	OR 2121285	SWW	137.5	123.4	14.1	10.3
40	OR 2130485	SWW	130.0	122.0	8.0	6.1
	Site Average		133.7	124.7	6.6	4.1
	LSD (0.05)		12.8	15.4		
	CV (%)		6.8	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.

* Indicates check variety.