

2015 Oregon Soft Winter Elite Yield Trials - Disease and Winter Hardiness Notes

Entry	Variety	Class	Stripe Rust		Total Foliar Disease		Septoria		Barley Yellow Dwarf Virus [§]		Barley Yellow Dwarf Virus		Winter Hardiness Rating [¶]	
			South Willamette Valley		South Willamette Valley		Corvallis		Corvallis		South Willamette Valley		Hermiston	
			5/20/2015		5/16/2015		5/16/2015		4/4/2015		3/7/2015		2/2/2015	
			% Flag Leaf Severity		% Severity		% Severity		1 to 5		% Severity		1 to 10	
1	STEPHENS*	SWW	27.5	79.3	59.3	4.8	27.5	6.3						
2	TUBBS 04*	SWW	42.5	79.3	48.0	2.3	18.8	2.0						
3	GOETZE	SWW	47.5	87.5	58.8	3.8	17.5	10.0						
4	SKILES	SWW	0.0	47.0	37.5	2.3	20.0	8.8						
5	MARY	SWW	58.8	86.3	45.8	3.3	12.5	5.0						
6	KASEBERG	SWW	25.0	65.0	38.3	2.3	5.3	9.5						
7	LADD	SWW	8.0	67.5	51.3	3.8	8.8	10.0						
8	ROSALYN	SWW	0.5	60.3	46.3	3.3	16.3	2.3						
9	BOBTAIL	SWW	0.3	50.3	34.0	1.8	10.0	4.0						
10	IDN 02-29001A	SWW	4.0	63.0	52.5	2.8	10.3	5.0						
11	IDN 01-10704A	SWW	6.5	58.0	52.5	3.0	10.0	5.3						
12	UI/WSU HUFFMAN	SWW	9.5	70.8	51.3	2.5	11.5	1.8						
13	IDN 06-18102A	SWW	16.8	58.8	Not Tested	Not Tested	17.5	1.5						
14	IDN 06-033038	SWW	6.3	61.8	Not Tested	Not Tested	4.3	4.5						
15	IDO 1108	SWW	0.3	53.3	47.5	3.0	3.0	1.0						
16	LCS ARTDECO	SWW	38.8	85.0	73.8	2.8	45.0	10.0						
17	LCS BIANCOR	SWW	3.0	39.5	32.0	2.8	21.3	10.0						
18	LWW 10-1073	SWW	1.0	63.0	45.0	4.5	23.8	3.5						
19	LWW 12-7105	SWW	1.8	36.0	39.5	2.0	12.5	9.8						
20	LWW 11-431	SWW	1.3	63.3	Not Tested	Not Tested	7.5	1.0						
21	YS 221	SWW	66.7	90.0	42.5	1.8	2.0	1.3						
22	YS 261	SWW	0.5	47.5	45.0	4.0	9.0	6.8						
23	YS 9568-A	SWW	12.5	60.8	Not Tested	Not Tested	11.3	2.3						
24	WB TRIFECTA	SWW	6.8	63.3	62.5	3.0	4.3	7.0						
25	WB 1529	SWW	15.5	56.3	42.5	1.5	3.0	3.0						
26	WB 1604	SWW	0.0	66.3	61.3	2.3	10.0	3.0						
27	LEGION	SWW	1.0	63.8	58.0	4.3	28.8	2.0						
28	SY 107	SWW	37.5	80.8	Not Tested	Not Tested	7.5	6.3						
29	SY OVATION	SWW	4.5	62.5	57.5	3.3	8.8	8.3						
30	SY 96-2 (Exp)	SWW	0.8	62.0	Not Tested	Not Tested	11.3	10.0						
31	SY 71-4 (Exp)	SWW	0.0	42.8	Not Tested	Not Tested	13.8	5.8						
32	PUMA	SWW	17.8	65.5	Not Tested	Not Tested	3.0	1.3						
33	JASPER (WA 8169)	SWW	0.8	50.0	Not Tested	Not Tested	20.0	2.0						
34	DAS 003	SWW	0.3	62.5	Not Tested	Not Tested	9.0	3.3						
35	DAS 004	SWW	5.8	56.5	Not Tested	Not Tested	12.5	5.3						
36	ORCF-101	SWW	3.3	58.0	43.8	3.5	5.3	9.8						
37	ORCF-102	SWW	13.0	62.0	48.0	3.3	6.3	3.5						
38	WB EXP 1028CL+	SWW	12.3	55.7	Not Tested	Not Tested	28.8	10.0						
39	WB 1376 CLP (EXP 1030CL+)	SWW	0.8	52.0	Not Tested	Not Tested	30.0	6.5						
40	OR2080641	SWW	7.3	61.3	48.8	2.5	10.0	3.0						
41	OR2090473	SWW	0.5	60.0	52.5	2.3	8.8	6.0						
42	OR2100940	SWW	0.5	56.8	51.3	2.5	11.3	6.5						
43	OR2080637	SWW	0.3	66.8	54.3	4.3	22.5	10.0						
44	OR2101043	SWW	0.5	51.3	44.3	2.8	8.8	10.0						
45	OR2110526	SWW	21.8	56.3	Not Tested	Not Tested	7.8	9.5						
46	LOR 978	SWW	0.3	60.0	Not Tested	Not Tested	12.5	6.8						
47	LOR 913	SWW	0.0	53.8	Not Tested	Not Tested	4.0	5.5						
48	LOR 833	SWW	0.5	68.0	Not Tested	Not Tested	42.5	9.8						
49	LOR 334	SWW	0.0	44.3	Not Tested	Not Tested	5.3	6.5						
50	LOR 092	SWW	0.0	58.3	Not Tested	Not Tested	12.5	3.3						
	Site Average		10.3	61.3	49.2	3.0	13.5	5.7						
	LSD (0.05)		11.4	9.8	9.5	1.0	12.7	1.6						
	CV (%)		78.6	11.4	13.8	25.2	67.3	20.4						

* Indicates check variety

[§] Visual ratings of plot damage range from 1 to 5, where 1 represents no visible damage and 10 represents significant damage.

[¶] Visual ratings of plot damage range from 1 to 10, where 1 represents no visible damage and 10 represents significant damage.



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Entry	Variety	Class	Cephalosporium Stripe		Soilborne Wheat Mosaic Virus ¹		Sharp Eyespot ³		Fusarium Crown Rot (Inoculated)		Fusarium Crown Rot (Natural)		Strawbreaker Foot Rot <i>Pseudocercospora</i> / Sharp Eyespot	
			Penetration	% Whiteheads	Hermiston SBMV	1 to 10	North Willamette Valley	1 to 5	Moro	% Whiteheads	Moro	% Whiteheads	Corvallis	% Lodging
			6/17/2015	3/12/2015	6/19/2015	6/15/2015	6/15/2015	6/16/2015	6/24/2015					
1	STEPHENS*	SWW	33.3	Not Tested	4.3	40.0	20.0	50.0						
2	TUBBS 06*	SWW	30.0	Not Tested	3.0	43.3	26.3	47.5						
3	GOETZE	SWW	22.3	Not Tested	3.3	31.7	11.3	22.5						
4	SKILES	SWW	15.7	Not Tested	4.5	43.3	28.8	42.5						
5	MARY	SWW	25.7	Not Tested	4.3	45.0	25.0	77.5						
6	KASEBERG	SWW	30.0	8.0	3.0	37.7	12.5	69.3						
7	LADD	SWW	18.3	1.0	2.5	36.7	18.8	33.8						
8	ROSALYN	SWW	16.0	Not Tested	1.8	35.0	8.8	8.0						
9	BOBTAIL	SWW	10.0	8.0	1.3	20.0	3.8	62.5						
10	IDN 02-29001A	SWW	25.3	Not Tested	4.0	32.5	18.8	16.5						
11	IDN 01-10704A	SWW	28.0	Not Tested	3.8	50.0	37.5	23.3						
12	UI/WSU HUFFMAN	SWW	9.3	1.8	2.8	32.3	7.5	69.8						
13	IDN 06-18102A	SWW	Not Tested	8.0	3.0	Not Tested	12.5	Not Tested						
14	IDN 06-033038	SWW	Not Tested	8.0	3.3	Not Tested	7.5	Not Tested						
15	IDO 1108	SWW	9.3	Not Tested	1.0	36.7	21.3	19.3						
16	LCS ARTDECO	SWW	20.0	Not Tested	NA	45.0	10.0	6.5						
17	LCS BIANCOR	SWW	25.0	Not Tested	4.0	33.3	8.8	73.0						
18	LWW 10-1073	SWW	31.0	Not Tested	3.8	43.3	52.5	60.0						
19	LWW 12-7105	SWW	26.7	Not Tested	NA	33.3	11.3	67.3						
20	LWW 11-1431	SWW	Not Tested	8.0	2.7	Not Tested	6.3	Not Tested						
21	YS 221	SWW	24.0	Not Tested	2.8	31.7	45.0	25.0						
22	YS 261	SWW	14.0	Not Tested	4.0	30.0	10.0	22.8						
23	YS 9568-A	SWW	Not Tested	7.3	3.3	Not Tested	8.8	Not Tested						
24	WB TRIFECTA	SWW	18.3	Not Tested	3.8	41.7	32.5	56.3						
25	WB 1529	SWW	21.0	Not Tested	3.3	40.0	18.8	81.0						
26	WB 1604	SWW	21.0	Not Tested	3.8	36.7	10.0	86.3						
27	LEGION	SWW	31.7	Not Tested	3.8	50.0	20.0	87.3						
28	SY 107	SWW	Not Tested	Not Tested	4.5	Not Tested	16.3	Not Tested						
29	SY OVATION	SWW	16.7	2.3	3.5	33.3	28.8	48.8						
30	SY 96-2 (Exp)	SWW	Not Tested	8.0	4.3	Not Tested	20.0	Not Tested						
31	SY 71-4 (Exp)	SWW	Not Tested	8.0	3.5	Not Tested	7.5	Not Tested						
32	PUMA	SWW	Not Tested	2.5	3.3	Not Tested	37.5	Not Tested						
33	JASPER (WA 8169)	SWW	Not Tested	6.5	2.5	Not Tested	6.3	Not Tested						
34	DAS 003	SWW	Not Tested	7.5	3.3	Not Tested	11.3	Not Tested						
35	DAS 004	SWW	Not Tested	8.0	3.8	Not Tested	25.0	Not Tested						
36	ORCF-101	SWW	33.3	Not Tested	1.8	38.3	23.8	73.8						
37	ORCF-102	SWW	20.7	Not Tested	3.3	27.5	17.5	27.0						
38	WB EXP 1028CL+	SWW	Not Tested	2.5	4.3	Not Tested	10.0	Not Tested						
39	WB 1376 CLP (EXP 1030CL+)	SWW	Not Tested	3.0	3.5	Not Tested	5.0	Not Tested						
40	OR2080641	SWW	17.3	Not Tested	4.0	33.3	11.3	7.5						
41	OR2090473	SWW	17.3	Not Tested	3.0	18.3	6.3	43.8						
42	OR2100940	SWW	16.0	Not Tested	3.0	25.0	5.0	13.0						
43	OR2080637	SWW	23.0	8.0	2.5	35.0	26.3	66.3						
44	OR2101043	SWW	16.3	Not Tested	1.8	25.0	8.8	19.0						
45	OR2110526	SWW	Not Tested	Not Tested	5.0	Not Tested	17.5	Not Tested						
46	LOR 978	SWW	Not Tested	7.8	4.8	Not Tested	6.3	Not Tested						
47	LOR 913	SWW	Not Tested	8.0	4.5	Not Tested	16.3	Not Tested						
48	LOR 833	SWW	Not Tested	8.0	5.0	Not Tested	12.5	Not Tested						
49	LOR 334	SWW	Not Tested	8.0	4.3	Not Tested	13.8	Not Tested						
50	LOR 092	SWW	Not Tested	8.0	3.3	Not Tested	47.5	Not Tested						
	Site Average		21.4	6.4	3.4	35.7	17.5	45.5						
	LSD (0.05)		8.4	0.7	0.8	15.5	13.2	36.8						
	CV (%)		23.9	7.3	16.9	25.9	54.1	56.9						

* Indicates check variety

¹Visual ratings of plot damage range from 1 to 5, where 1 represents no visible damage and 10 represents significant damage.

³Visual ratings of plot damage range from 1 to 10, where 1 represents no visible damage and 10 represents significant damage with severe discoloration and stunting of infected plants.