



2013 OREGON SOFT WINTER ELITE YIELD TRIALS HERMISTON



Site Quality Index[†] = 2

1 = Poor 3 = Average 5 = Excellent

Site Description: Excessive nitrogen fertilizer led to severe lodging at this site.

Lodging combined with poor weed control and late season stripe rust led to higher than normal plot to plot variability.

This site received 14 oz/acre of Quilt Xcel fungicide on 4/9.

5 Year Average Yield = 113.5 bu/ac

Entry	Variety	Class	2013 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data	
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
44	OR 2080926	SWW	181.9	1				
39	ROSALYN	SWW	178.6	2	150.9	1	152.9	1
7	LADD	SWW	171.7	3	144.9	3	143.2	4
42	OR 2080924	SWW	169.8	4	132.7	12		
24	WB EXP-436	SWW	165.6	5				
23	WB EXP-427	SWW	158.7	6				
41	BOBTAIL	SWW	156.1	7	150.9	2	150.6	2
25	LEGION	SWW	156.0	8	123.8	19	125.2	13
16	WA 8151	SWW	154.6	9				
28	SY OVATION	SWW	153.8	10	132.9	11	139.0	5
40	OR 2080641	SWW	152.4	11	139.1	6	134.1	7
21	WESTBRED 528	SWW	150.8	12	135.3	9	121.2	17
17	WA 8153	SWW	150.8	13				
4	SKILES	SWW	150.7	14	132.1	13	132.9	8
20	YS 434	SWW	150.6	15				
29	ORCF-101	SWW	149.6	16	142.5	4	144.2	3
5	MARY	SWW	149.6	17	142.5	5	132.0	9
14	LWW 10-1018	SWW	149.4	18				
10	99-06202A	SWW	148.7	19				
32	ORI 2101840	SWW	148.6	20				
1	STEPHENS*	SWW	148.3	21	131.7	14	121.9	16
30	ORCF-102	SWW	147.8	22	136.1	8	123.2	14
26	SY 107	SWW	147.3	23				
35	AP 700 CL	SWW	145.4	24	113.2	25	112.6	19
33	ORI 2101841	SWW	145.3	25				
27	AP BADGER	SWW	143.3	26	136.9	7	125.5	11
22	WB JUNCTION	SWW	142.1	27	128.1	16	127.8	10
37	CARA	Club	141.9	28	133.9	10	138.3	6
19	YS 461	SWW	141.0	29				
18	YS 221	SWW	139.6	30	129.1	15		
43	OR 2080637	SWW	138.5	31				
15	LWW 04-4009	SWW	137.9	32	113.8	24		
45	OR 2090473	SWW	137.4	33				
8	BRUNEAU	SWW	135.6	34	119.9	22	122.7	15
11	03-29902A	SWW	132.5	35				
13	LCS ARTDECO	SWW	129.7	36	127.5	17	116.9	18
36	WB 1070 CL	SWW	128.9	37	123.5	20		
12	IDO 1108	SWW	126.2	38				
2	TUBBS 06*	SWW	125.1	39	114.6	23	96.1	22
6	KASEBERG	SWW	121.9	40	120.2	21	125.4	12
3	GOETZE	SWW	120.6	41	126.7	18	105.9	20
9	02-10606A	SWW	119.0	42				
31	ORCF-103	SWW	110.8	43	105.4	26	97.7	21
38	ARS 010669-2C	Club	107.2	44				
34	WA 8143	SWW	103.5	45				
	Site Average		143.5		130.3		126.8	
	LSD (0.05)		26.0		14.2		10.3	
	CV (%)		12.8		10.8		10.0	

[†] 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.

* Indicates check variety.



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Lodging combined with poor weed control and late season stripe rust led to higher than normal plot to plot variability.
This site received 14 oz/acre of Quilt Xcel fungicide on 4/9.

5 Year Average Test Weight = 60.2 lbs/bu 5 Year Average Grain Protein = 10.2%

Entry	Variety	Class	Test Weight	Plant Height	Heading Date	Lodging	Protein
			lbs/bu	inches	DOY	%	%
44	OR 2080926	SWW	59.0	39.8	128.0	26.3	10.1
39	ROSALYN	SWW	58.9	37.0	128.5	1.3	9.8
7	LADD	SWW	61.4	37.8	128.0	2.5	10.8
42	OR 2080924	SWW	58.7	38.7	128.0	25.0	10.7
24	WB EXP-436	SWW	62.0	37.8	126.5	18.8	11.5
23	WB EXP-427	SWW	62.7	37.8	126.5	7.5	12.4
41	BOBTAIL	SWW	58.2	36.3	129.3	60.0	11.4
25	LEGION	SWW	60.2	42.3	127.0	36.3	10.6
16	WA 8151	SWW	59.6	41.0	129.5	47.5	10.7
28	SY OVATION	SWW	61.9	39.3	125.5	23.8	10.2
40	OR 2080641	SWW	59.8	39.5	127.5	43.8	11.2
21	WESTBRED 528	SWW	62.8	40.5	126.0	33.4	11.0
17	WA 8153	SWW	61.8	42.5	127.5	23.8	11.6
4	SKILES	SWW	61.6	37.8	130.0	5.0	11.7
20	YS 434	SWW	61.2	40.0	129.5	50.0	10.3
29	ORCF-101	SWW	60.9	40.5	126.0	25.0	11.8
5	MARY	SWW	60.5	37.8	127.0	10.0	11.7
14	LWW 10-1018	SWW	59.2	40.3	131.8	16.3	11.2
10	99-06202A	SWW	60.9	39.3	128.0	62.5	10.5
32	ORI 2101840	SWW	60.5	41.3	128.5	32.5	12.3
1	STEPHENS*	SWW	60.6	39.0	127.0	46.3	11.2
30	ORCF-102	SWW	60.7	43.8	128.5	11.3	10.7
26	SY 107	SWW	59.5	38.3	127.0	75.0	10.3
35	AP 700 CL	SWW	60.8	41.5	127.0	11.3	11.9
33	ORI 2101841	SWW	60.3	41.5	127.5	50.0	12.1
27	AP BADGER	SWW	58.9	38.0	128.0	32.5	11.2
22	WB JUNCTION	SWW	62.8	38.8	126.0	58.8	11.1
37	CARA	Club	60.4	42.5	131.0	42.5	11.0
19	YS 461	SWW	59.0	39.5	131.3	15.0	11.4
18	YS 221	SWW	61.2	40.5	128.5	62.5	10.4
43	OR 2080637	SWW	58.3	38.0	130.0	51.3	11.1
15	LWW 04-4009	SWW	61.2	39.0	134.3	73.8	11.1
45	OR 2090473	SWW	59.1	36.8	128.0	41.3	11.3
8	BRUNEAU	SWW	61.1	39.8	127.5	60.0	10.1
11	03-29902A	SWW	58.9	44.3	129.5	66.3	11.8
13	LCS ARTDECO	SWW	61.3	33.0	128.5	7.5	10.7
36	WB 1070 CL	SWW	63.7	38.5	126.0	27.5	11.8
12	IDO 1108	SWW	57.2	44.7	134.0	53.3	11.8
2	TUBBS 06*	SWW	57.9	43.0	127.0	40.0	12.1
6	KASEBERG	SWW	58.5	38.5	128.5	65.0	10.9
3	GOETZE	SWW	59.6	37.0	126.0	40.0	11.1
9	02-10606A	SWW	60.7	39.0	126.5	73.8	10.7
31	ORCF-103	SWW	58.5	37.8	130.0	63.4	11.9
38	ARS 010669-2C	Club	61.4	40.8	127.0	78.8	11.7
34	WA 8143	SWW	56.7	39.8	132.8	80.0	11.6
	Site Average		60.3	39.5	128.3	39.4	11.2
	LSD (0.05)		1.6	3.1	1.6	34.9	1.2
	CV (%)		1.9	5.6	0.9	62.6	7.4

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