

**2010 Oregon Soft Winter Elite Yield Trials - Lexington**

Site Quality Index<sup>1</sup> = 3

1 = Poor 3 = Average 5 = Excellent

Site Description: Missing plots increased variability at this site.

Entry	Variety	Class	2010 Yield Data <sup>2</sup>		2-Year Yield Data		3-Year Yield Data		2010 Agronomic Data			
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank	Test Weight lbs/bu	Plant Height inches	Heading Date DOY	Protein %
9	BRUNDAGE 96	SWWW	55.5	1	42.4	5			62.9	29.3	142.7	8.6
21	ORCF-101R	SWWW	55.0	2	44.5	1			62.8	31.0	142.3	8.2
13	WESTBRED 528	SWWW	54.6	3	42.5	4	34.6	21	63.6	30.3	140.0	8.8
12	XERPHA	SWWW	54.5	4	43.8	3	39.8	4	61.2	31.3	146.0	7.1
17	LEGION	SWWW	54.0	5	44.5	2	40.4	1	61.3	32.0	142.5	7.4
27	CODA	Club	53.2	6	41.9	7	39.9	3	62.6	30.3	146.3	7.9
26	AP700CL	SWWW	51.5	7	41.4	11	38.4	12	63.1	30.0	141.3	9.0
23	ORCF-103	SWWW	51.3	8	41.3	12	38.5	10	62.0	29.3	147.3	8.1
28	CARA	Club	51.1	9	37.3	22	35.9	18	60.4	29.0	148.3	7.5
2	MADSEN*	SWWW	50.9	10	41.7	8	38.7	9	62.1	30.7	145.0	8.2
16	SALUTE	SWWW	50.2	11	38.7	20	38.5	11	61.3	29.5	144.5	8.0
20	ORCF-101	SWWW	50.2	12	41.6	9	39.8	6	62.3	31.0	141.0	8.0
31	OR2060395	SWWW	50.2	13	40.8	14			61.1	28.7	144.7	7.9
33	OR2070385	SWWW	50.2	14					61.3	29.7	141.7	8.2
4	TUBBS 06	SWWW	50.0	15	40.8	15	39.3	7	61.8	31.7	144.3	8.2
22	ORCF-102	SWWW	50.0	16	42.0	6	39.8	5	62.5	31.0	143.0	8.1
24	UICF-BRUNDAGE	SWWW	50.0	17	41.0	13	39.1	8	63.1	27.3	144.0	7.9
11	BRUNEAU	SWWW	49.8	18	39.6	19	37.3	15	62.7	29.7	145.0	8.2
25	ID00-475-2DH	SWWW	49.8	19					63.3	30.3	146.0	7.8
38	OR2071628	SWWW	49.8	20					62.0	27.7	140.7	7.9
32	OR2070011	SWWW	49.7	21					62.5	31.0	143.3	8.4
3	GENE*	SWWW	48.8	22	40.5	16	40.2	2	61.2	29.7	141.7	8.6
7	SKILES	SWWW	48.5	23	41.5	10	38.3	14	62.8	29.0	144.3	9.4
30	OR2040726	SWWW	48.3	24	39.9	18	38.4	13	62.4	27.3	140.0	8.0
37	OR2071071	SWWW	47.4	25					58.7	30.0	148.3	7.4
39	OR2071681	SWWW	47.0	26					62.0	27.7	146.0	7.5
18	AP LEGACY	SWWW	46.6	27	37.6	21	37.1	16	61.4	28.0	144.0	7.1
36	OR2071029	SWWW	46.6	28					60.6	28.0	146.0	7.7
35	OR2070870	SWWW	46.3	29					62.0	28.0	146.3	9.0
6	GOETZE	SWWW	45.3	30	40.2	17	34.8	20	62.0	27.7	140.3	8.4
34	OR2070608	SWWW	45.2	31					60.9	28.7	146.7	7.9
19	AP BADGER	SWWW	44.4	32					60.4	26.0	143.0	7.7
1	STEPHENS*	SWWW	43.7	33	36.7	24	33.2	23	62.1	28.3	141.3	8.5
10	BITTERROOT	SWWW	43.3	34	36.5	25	35.4	19	62.6	32.0	145.0	8.7
40	OR2070453	SWWW	43.3	35					63.0	29.7	140.0	8.0
29	OR2050910	SWWW	43.0	36	37.2	23	36.1	17	60.1	31.3	145.7	7.6
14	WESTBRED 523	SWWW	42.0	37					63.6	30.3	143.3	8.9
5	ORSS-1757	SWWW	39.7	38	35.3	26	34.0	22	62.6	30.0	143.3	8.4
15	BZ6W02-616	SWWW										
	Site Average		48.7		40.4		37.7		62.0	29.6	143.8	8.1
	LSD (0.05)		7.8		4.4		3.7		0.9	1.2	3.2	1.0
	CV (%)		9.6		9.2		10.3		0.9	2.3	1.3	7.5

<sup>1</sup> 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 unpublshable

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.

<sup>2</sup> 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.