

**2007 Oregon Spring Elite Yield Trials - Pendleton**

Site Quality Index<sup>†</sup> = 4

1 = Poor 3 = Average 5 = Excellent

Site Description: Environmental conditions had minimal impact at this site.

Entry	Variety	Class	2007 Yield Data <sup>‡</sup>		2-Year Yield Data		3-Year Yield Data		2007 Agronomic Data			
			Yield	Rank	Yield	Rank	Yield	Rank	Test Weight	Harvest Moisture	Plant Height	Protein
			bu/ac		bu/ac		bu/ac		lbs/bu	%	inches	%
16	BZ903-445-WP	HWS	73.0	1					59.9	10.6	32.7	13.4
25	BZ604-008	SWS	72.2	2					60.8	11.6	28.0	12.8
29	Alpowa*	SWS	72.0	3	56.5	2	52.6	6	60.5	11.8	32.5	11.9
21	UI Cataldo	SWS	68.1	4					59.0	12.5	30.3	12.4
2	UI Winchester	HRS	67.8	5	52.9	5			61.4	11.9	30.1	13.7
27	Louise	SWS	67.8	6	54.2	3	54.5	3	60.5	12.6	36.1	11.4
6	RS150076R	HRS	66.2	7					58.0	12.6	26.2	13.3
10	OR4990114	HRS	65.4	8					60.9	10.6	30.8	13.6
23	Nick	SWS	64.8	9	56.8	1	56.4	1	61.6	11.7	27.7	11.8
7	Sagittario	HRS	64.2	10					58.6	12.5	26.6	14.2
3	Hank	HRS	63.5	11	53.7	4	55.4	2	60.0	12.5	30.3	13.8
14	Blanca Grande	HWS	63.5	12	50.5	8	54.5	4	62.6	11.8	28.1	14.0
28	WA008008	SWS	62.6	13					61.1	11.7	28.6	12.2
4	Tara 2002	HRS	62.0	14	52.8	6			60.3	12.2	31.0	14.2
1	Jefferson*	HRS	61.1	15	51.0	7	53.9	5	60.7	11.1	31.1	14.2
5	Cabernet	HRS	60.5	16					60.9	12.0	25.3	14.6
15	IDO377S*	HWS	58.8	17	46.3	11	47.2	9	60.2	12.5	30.7	13.8
13	Lolo	HWS	58.7	18	48.2	9	52.0	7	60.8	12.0	33.1	13.4
8	ACS52610	HRS	58.2	19					60.7	11.6	32.5	14.5
9	OR4031111	HRS	57.6	20					57.1	12.0	33.5	14.2
30	Alturas	SWS	56.5	21	47.2	10	48.6	8	58.0	12.0	31.0	12.5
12	OR4201019	HRS	52.9	22	44.4	12			60.1	11.9	28.9	13.7
19	OR4201104	HWS	49.8	23					58.8	11.8	28.6	14.0
22	Merrill	SWS	49.6	24	39.0	15	40.3	12	56.8	11.8	29.5	13.7
11	OR4201219	HRS	49.2	25	40.4	14	41.8	11	58.1	10.8	29.9	14.0
18	OR4201261	HWS	47.3	26	41.2	13	45.0	10	58.2	12.1	26.2	13.3
24	77-154-98	SWS	46.5	27					51.4	11.4	29.1	14.8
17	Vaiiolet	HWS	44.2	28					59.3	12.2	19.6	14.0
20	37C-3	HWS	43.5	29					55.4	11.9	28.1	14.0
26	Goetze	SWW	42.3	30					49.6	10.5	26.2	15.0
	Site Average		59.0		49.0		50.2		59.0	11.8	29.4	13.6
	LSD (0.05)		8.2		4.8		5.4		1.3	1.6	2.2	0.7
	CV (%)		8.5		8.4		11.4		1.3	8.5	4.6	3.2

<sup>†</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 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.

<sup>‡</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.