

2009 Oregon Hard Winter Elite Yield Trials - Hermiston

Site Quality Index[†] = 2

1 = Poor 3 = Average 5 = Excellent

Site Description: Heat and moisture stress resulted in lower yields at this site.

Entry	Variety	Class	2009 Yield Data [‡]		2-Year Yield Data [§]		2009 Agronomic Data				
			Yield	Rank	Yield	Rank	Test Weight	Plant Height	Heading Date	Lodging	Protein
			bu/ac		bu/ac		lbs/bu	inches	DOY	%	%
1	STEPHENS*	SWW	128.3	1	130.9	5	61.1	42.3	141.3	0.0	10.6
17	WHETSTONE	HRW	125.7	2	137.0	1	63.0	43.3	137.7	3.3	11.0
18	BC002-2-2	HRW	124.4	3			64.2	41.3	138.7	0.0	10.7
19	NUDAKOTA	HWW	123.7	4			64.4	41.0	137.0	0.0	10.8
20	OR2052046H	HWW	120.4	5	130.9	6	63.3	40.3	144.3	0.0	10.2
29	OR2070181H	HWW	119.9	6			61.3	43.0	143.3	0.0	10.5
5	NORWEST 553	HRW	119.5	7	135.1	2	63.0	36.3	140.7	0.0	10.3
4	TUBBS 06	SWW	118.4	8	130.1	7	60.1	43.3	144.3	0.0	9.7
14	SINOPE	HRW	117.4	9	134.3	3	58.1	39.7	143.7	0.0	9.8
15	AGRIPRO PALADIN	HRW	116.5	10	128.9	8	63.9	39.3	141.0	0.0	10.7
30	OR2070182H	HWW	113.7	11			60.1	40.7	143.3	0.0	10.8
23	OR2070093H	HWW	113.1	12			62.1	41.3	143.0	0.0	10.6
16	PALOMINO	HWW	112.6	13	126.3	11	63.9	37.3	136.7	0.0	11.3
3	N97S277	HWW	111.1	14	118.1	12	64.5	44.3	138.7	18.3	10.1
11	EDDY	HRW	110.5	15	127.1	10	64.1	43.7	140.0	3.3	10.7
12	ACS52025	HRW	110.3	16			62.2	41.3	141.0	3.3	10.1
21	OR2050042H	HWW	110.3	17			62.2	41.3	141.7	0.0	10.5
7	IDO621	HRW	108.4	18	133.2	4	64.5	40.3	141.0	0.0	10.2
22	OR2050275H	HWW	106.4	19			61.8	42.7	143.7	0.0	9.9
26	OR2070138H	HWW	101.1	20			63.5	42.0	142.0	0.0	10.2
24	OR2070136H	HWW	97.9	21			62.7	43.0	142.3	0.0	10.8
25	OR2070137H	HWW	97.4	22			63.2	42.7	142.0	0.0	9.8
28	OR2070142H	HWW	96.6	23			63.3	42.7	142.7	0.0	10.6
27	OR2070139H	HWW	96.2	24			63.3	42.7	142.3	0.0	10.4
8	DECLO	HRW	95.0	25	128.2	9	61.6	40.0	143.0	0.0	10.7
9	BAUERMEISTER	HRW	93.1	26	118.1	13	58.7	46.0	148.0	36.7	11.3
2	ELTAN*	SWW	92.3	27	117.0	14	59.8	43.7	148.7	35.0	11.0
6	BOUNDARY	HRW	89.9	28	114.5	15	62.8	42.7	145.0	0.0	9.4
13	ILLIAS	HRW	88.0	29	107.9	16	59.7	46.0	147.0	0.0	10.7
10	FARNUM	HRW	63.1	30			56.1	48.0	149.0	50.0	12.7
	Site Average		107.4		126.1		62.1	42.1	142.4	5.0	10.5
	LSD (0.05)		14.5		12.2		1.2	1.8	0.9	13.8	0.9
	CV (%)		8.2		8.4		1.2	2.6	0.4	169.3	5.4

[†] 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.

[‡] Yield data corrected to 12% moisture; Grain yields shaded in gray are not significantly different from the highest yield at this site.
Grain yields in bold met or exceeded the protein targets for their class.

[§] Yield data from 2009 and 2007. Yield data for 2008 was not available for this trial.

* Indicates check variety.