

2009 Oregon Hard Winter Elite Yield Trials - Pendleton-Ruggs

Site Quality Index[†] = 3

1 = Poor 3 = Average 5 = Excellent

Site Description: Heat and moisture stress contributed to lower yields at this location.

Entry	Variety	Class	2009 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data		2009 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 %
4	TUBBS 06	SWW	102.4	1	98.9	7	105.7	2	60.0	38.7	156.3	9.7
19	NUDAKOTA	HWW	101.2	2	105.5	1			63.0	32.8	150.0	9.4
5	NORWEST 553	HRW	100.0	3	104.5	2	106.9	1	61.8	30.8	154.3	10.7
21	OR2050042H	HWW	99.8	4	102.8	4			61.2	35.4	154.0	9.3
3	N97S277	HWW	98.0	5	91.9	15	95.4	11	62.8	34.8	151.0	9.8
1	STEPHENS*	SWW	97.8	6	98.6	8	102.1	7	58.8	35.4	154.0	10.1
27	OR2070139H	HWW	97.8	7					62.3	35.4	156.0	10.1
20	OR2052046H	HWW	96.8	8	103.4	3	104.6	3	62.9	32.2	155.3	8.9
28	OR2070142H	HWW	96.4	9					62.0	36.7	156.0	9.9
2	ELTAN*	SWW	95.8	10	83.4	20	89.9	15	60.8	39.4	161.0	10.0
30	OR2070182H	HWW	95.8	11					60.3	35.4	157.0	9.5
22	OR2050275H	HWW	95.3	12	96.3	13			60.5	36.1	156.0	9.4
29	OR2070181H	HWW	95.3	13					60.7	36.1	156.0	9.7
25	OR2070137H	HWW	94.9	14					62.2	35.4	156.0	10.1
7	IDO621	HRW	93.5	15	96.6	11	96.8	9	62.4	34.8	156.0	9.6
14	SINOPE	HRW	93.4	16	96.5	12	102.2	6	56.5	33.5	159.3	9.6
26	OR2070138H	HWW	93.0	17					62.3	34.4	156.5	10.2
17	WHETSTONE	HRW	92.7	18	100.3	5	104.4	4	63.3	36.1	150.3	9.9
18	BC002-2-2	HRW	92.7	19					63.7	32.8	152.3	9.8
9	BAUERMEISTER	HRW	92.5	20	85.3	19	90.3	14	61.7	40.7	159.3	9.2
24	OR2070136H	HWW	92.3	21					62.4	34.8	156.0	9.7
12	ACS52025	HRW	91.6	22	95.2	14			62.3	35.4	153.0	9.2
8	DECLO	HRW	90.7	23	91.1	16	95.7	10	62.0	32.2	156.3	9.9
15	AGRIPRO PALADIN	HRW	89.3	24	98.4	9	95.3	12	63.6	31.5	153.5	10.2
16	PALOMINO	HWW	88.8	25	99.4	6	100.8	8	62.6	30.8	149.7	10.1
23	OR2070093H	HWW	88.8	26					62.1	32.8	157.3	9.5
13	ILLIAS	HRW	88.4	27	98.2	10	102.7	5	59.0	38.1	160.3	10.6
6	BOUNDARY	HRW	87.1	28	85.7	18	89.7	16	61.0	34.1	157.7	10.9
11	EDDY	HRW	85.6	29	90.1	17	93.2	13	63.4	32.2	154.0	10.4
10	FARNUM	HRW	81.1	30	69.0	21			60.3	48.6	161.3	11.0
	Site Average		93.7		94.8		98.5		61.6	35.3	155.5	9.9
	LSD (0.05)		8.1		12.2		10.9		0.9	2.4	1.4	0.8
	CV (%)		5.2		11.1		11.8		0.9	4.1	0.5	5.2

[†] 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.

Grain yields in bold met or exceeded the protein targets for their class.

* Indicates check variety.