



2018 OREGON HARD WINTER ELITE YIELD TRIALS

Hermiston (Irrigated)



Site Quality Index† = 3

1 = Poor 3 = Average 5 = Excellent

Site Description: Excessive lodging, fourth replicate discarded due to herbicide damage from adjacent potato field.

Plots were not treated with fungicide.

Entry	Variety	Class	Quality [¶]	2018 Yield Data [‡]		2-Year Yield Data		3-Year Yield Data	
				Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank
22	WA 8289	HRW		151.3	1				
6	LCS Abraham	HRW		149.6	2				
4	LCS Aymeric	HRW		141.8	3	145.9	1	135.9	1
21	WA 8268	HRW		136.7	4	137.7	3		
19	SY Touchstone (04PN028B-3)	HRW	LD	135.1	5	133.9	6	123.8	4
10	Rebelde	HRW		131.7	6	128.0	7		
2	LCS Jet	HRW	A	130.8	7	134.9	5	131.9	3
3	LCS Rocket (NSA 10-2196)	HRW	D	128.6	8	138.2	2	135.5	2
12	Keldin	HRW	A	127.9	9	120.4	12	115.5	7
5	LWW14-73915	HRW		127.2	10	135.2	4		
16	OR2120358H	HWW		123.6	11				
27	OR2140074R	HRW		120.1	12				
7	NSA 12-2472	HRW		117.7	13				
30	OR2130118H	HWW		117.1	14	126.6	8		
29	OR2110679	HRW		115.4	15	121.4	11	121.7	5
26	OR2130021R	HRW		115.3	16	124.4	9		
14	WB 4303	HRW		113.9	17				
11	WB Arrowhead	HRW		113.1	18	118.0	13	112.3	8
1	LCS Evina	HRW	D	109.4	19	121.6	10	120.2	6
15	WB 4311 (XA 4104)	HRW		105.8	20	112.7	14		
9	Metropolis	HRW		105.5	21	112.0	15		
17	XB 4542 (EXP)	HRW		104.0	22				
8	Mandala	HRW		99.3	23	110.9	16		
24	Brawl CL+	HRW		88.4	24	87.7	21	89.0	12
13	WB 4623 CLP	HRW	MD	87.4	25	96.7	19	101.9	10
23	YS-401	HRW		87.2	26				
25	Langin	HRW		85.7	27				
20	Clearstone CL2	HRW		85.6	28	96.8	18	96.7	11
18	Whetstone	HRW	MD	84.5	29	99.9	17	104.6	9
28	Breck (CO12D2011)	HRW		84.5	30	96.0	20		
	Site Average			114.2		119.0		116.9	
	LSD (0.05)			17.3					
	CV (%)			10.7					

†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 unublishable
- 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.

¶Quality rating based on data from the USDA Western Wheat Quality Laboratory.

Quality Ratings: MD = Most Desirable; D = Desirable; A=Acceptable; LD = Least Desirable; UCS = Unacceptable Except Customer-Specific Uses



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Entry	Variety	Class	Height in	Test Weight lbs/bu	Protein %	Lodging %
22	WA 8289	HRW	35.0	63.5	11.1	0.0
6	LCS Abraham	HRW	36.3	61.9	11.5	3.3
4	LCS Aymeric	HRW	32.7	60.3	10.3	46.7
21	WA 8268	HRW	37.7	62.8	11.9	0.0
19	SY Touchstone (04PN028B-3)	HRW	36.0	64.8	12.1	3.3
10	Rebelde	HRW	35.7	65.0	12.7	40.0
2	LCS Jet	HRW	36.0	63.5	12.2	0.0
3	LCS Rocket (NSA 10-2196)	HRW	34.0	62.5	11.4	46.7
12	Keldin	HRW	39.0	64.3	10.8	46.7
5	LWW14-73915	HRW	32.7	63.5	11.8	56.7
16	OR2120358H	HWW	37.0	62.5	11.9	63.3
27	OR2140074R	HRW	34.7	62.6	12.1	43.3
7	NSA 12-2472	HRW	38.3	62.7	12.1	0.0
30	OR2130118H	HWW	36.7	64.3	12.9	50.0
29	OR2110679	HRW	37.7	62.7	12.4	66.7
26	OR2130021R	HRW	37.7	63.5	12.4	80.0
14	WB 4303	HRW	36.3	62.9	12.0	40.0
11	WB Arrowhead	HRW	40.7	64.4	12.3	83.3
1	LCS Evina	HRW	41.0	63.6	13.7	0.0
15	WB 4311 (XA 4104)	HRW	35.0	64.5	12.7	83.3
9	Metropolis	HRW	33.3	63.9	12.8	56.7
17	XB 4542 (EXP)	HRW	39.7	64.3	12.2	86.7
8	Mandala	HRW	41.3	64.4	12.2	0.0
24	Brawl CL+	HRW	37.7	64.2	13.6	40.0
13	WB 4623 CLP	HRW	37.3	63.8	13.9	46.7
23	YS-401	HRW	36.0	63.6	14.3	70.0
25	Langin	HRW	33.0	63.2	12.5	100.0
20	Clearstone CL2	HRW	42.0	63.1	12.6	80.0
18	Whetstone	HRW	40.7	63.3	13.2	90.0
28	Breck (CO12D2011)	HRW	36.3	65.2	14.2	93.3
	Site Average		36.9	63.5	12.4	47.8
	LSD (0.05)		1.7	0.8	1.2	32.0
	CV (%)		3.2	0.8	6.6	47.3

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