



2018 OREGON HARD WINTER ELITE YIELD TRIALS

Dayton



Site Quality Index† = 4

1 = Poor 3 = Average 5 = Excellent

Collaborative site with WSU Variety Testing and Northwest Grain Growers.

3-year data is from WSU Variety Testing.

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
1	LCS Abraham (NSA11-10108)	HRW		110.0	1				
20	LCS Rocket (NSA10-2196)	HRW	D	106.6	2	125.3	1	119.5	1
3	WA 8268	HWR		104.6	3	120.3	3		
13	LCS Jet	HRW	A	104.1	4	119.6	4	118.0	2
14	WA 8289	HRW		102.7	5				
21	WA 8294	HRW		98.7	6				
19	SY Touchstone	HRW	LD	97.0	7	115.5	6	112.3	5
2	WA 8288	HRW		97.0	8				
5	LCS Aymeric	HRW		94.8	9	120.9	2		
27	OR2130118H	HWW		94.2	10				
12	LCS Zoom (LWW14-73915)	HRW		93.8	11	118.4	5		
10	NSA12-2472	HRW		93.7	12				
4	WB 4303	HRW		93.1	13	100.0	13		
23	OR2130021R	HRW		93.1	14	108.5	10		
22	Keldin	HRW	A	90.6	15	110.3	8	114.9	3
29	XB4542	HRW		90.0	16				
28	Norwest 553	HRW	D	90.0	17	113.5	7	114.7	4
17	OR2110679	HWW		89.6	18				
18	LCS Evina	HRW	D	89.2	19	104.6	12		
25	WB-Arrowhead	HRW		88.6	20	110.3	9	110.2	6
8	Breck (CO12D2011)	HWW		87.1	21				
11	OR2120358H	HWW		85.3	22				
26	Metropolis	HRW		83.7	23	98.9	15		
6	Rebelde	HRW		82.9	24	105.0	11		
7	WB 4311 (XA4104)	HRW		82.1	25	99.0	14		
24	Mandala	HRW		80.2	26	89.6	17		
16	OR2140074R	HRW		78.9	27				
9	YS-401	HRW		78.3	28				
15	Langin	HRW		77.5	29				
30	Whetstone	HRW	MD	63.6	30	96.3	16	99	7
	Site Average			90.7		109.2		112.6	
	LSD (0.05)			12.5					
	CV (%)			9.8					

[†]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.

* 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 %	Heading Date
1	LCS Abraham (NSA11-10108)	HRW	33.0	60.9	9.0	5-19
20	LCS Rocket (NSA10-2196)	HRW	32.0	61.0	9.3	5-21
3	WA 8268	HWR	34.7	61.9	10.3	5-23
13	LCS Jet	HRW	34.3	61.8	9.5	5-20
14	WA 8289	HRW	33.3	61.2	9.0	5-22
21	WA 8294	HRW	35.7	60.8	10.7	5-22
19	SY Touchstone	HRW	32.3	62.6	10.1	5-23
2	WA 8288	HRW	32.3	61.2	9.9	5-24
5	LCS Aymeric	HRW	30.3	59.3	8.5	5-22
27	OR2130118H	HWW	33.0	63.9	10.4	5-21
12	LCS Zoom (LWW14-73915)	HRW	34.3	60.8	10.1	5-18
10	NSA12-2472	HRW	36.7	60.1	8.5	5-18
4	WB 4303	HRW	33.3	61.2	10.4	5-19
23	OR2130021R	HRW	32.7	62.5	10.6	5-25
22	Keldin	HRW	36.0	63.2	9.1	5-22
29	XB4542	HRW	41.3	63.4	9.2	5-20
28	Norwest 553	HRW	31.7	62.2	10.3	5-21
17	OR2110679	HWW	35.0	62.0	9.9	5-20
18	LCS Evina	HRW	40.3	61.9	10.2	5-26
25	WB-Arrowhead	HRW	37.7	63.1	10.2	5-21
8	Breck (CO12D2011)	HWW	34.3	64.6	10.3	5-18
11	OR2120358H	HWW	31.7	61.6	10.0	5-22
26	Metropolis	HRW	31.7	62.8	11.6	5-19
6	Rebelde	HRW	31.0	63.3	10.0	5-20
7	WB 4311 (XA4104)	HRW	34.0	62.9	10.8	5-19
24	Mandala	HRW	39.0	63.1	10.1	5-25
16	OR2140074R	HRW	32.0	60.0	9.5	5-23
9	YS-401	HRW	40.3	61.9	10.1	5-18
15	Langin	HRW	30.7	62.0	9.4	5-18
30	Whetstone	HRW	31.3	60.5	9.6	5-19
	Site Average		34.2	61.9	9.9	5-21
	LSD (0.05)		2.1	1.1	1.1	1
	CV (%)		4.4	1.3	8.0	

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