

2018 Oregon Hard Winter Wheat Elite Yield Trials - Low to Intermediate Rainfall Grain Yield Summary

OSU  
Extension Cereals

OSU  
Extension Cereals

Entry	Variety	Class	Quality Rating <sup>a</sup>	Moro-Kaseberg bu/ac	Kent bu/ac	Lexington bu/ac	Pomeroy, WA bu/ac	4-Site Mean bu/ac	4-Site Rank
				SQI =	SQI =	SQI =	SQI =		
3	LCS Rocket (NSA 10-2196)	HRW	D	120.5	85.8	58.2	110.6	93.8	1
2	LCS Jet	HRW	A	119.1	82.4	59.8	103.0	91.1	2
22	WA 8289	HRW		115.8	79.4	59.5	102.0	89.2	3
6	LCS Abraham	HRW		122.6	77.9	56.5	97.8	88.7	4
5	LCS Zoom (LWW14-73915)	HRW		111.5	84.4	56.4	98.3	87.7	5
4	LCS Aymeric	HRW		112.2	81.2	63.6	92.5	87.4	6
7	NSA 12-2472	HRW		98.2	83.2	57.3	100.6	84.8	7
21	WA 8268	HRW		106.4	80.6	48.4	95.9	82.8	8
12	Keldin	HRW	A	100.6	81.0	53.7	95.0	82.5	9
25	Langin	HRW		108.2	79.4	52.3	89.9	82.5	10
14	WB 4303	HRW		108.5	75.3	55.5	89.4	82.2	11
19	SY Touchstone (04PN028B-3)	HRW	LD	100.3	76.3	54.1	92.7	80.8	12
30	OR2130118H	HWW		100.9	72.8	52.5	96.3	80.6	13
15	WB 4311 (XA 4104)	HRW		99.9	81.0	55.4	85.2	80.4	14
27	OR2140074R	HRW		104.8	68.9	52.1	95.3	80.3	15
29	OR2110679	HWW		99.4	66.8	54.6	93.7	78.6	16
1	LCS Evina	HRW	D	98.1	71.6	51.6	92.0	78.3	17
16	OR2120358H	HWW		99.9	70.3	52.0	87.1	77.3	18
17	XB 4542 (EXP)	HRW		86.3	75.3	51.7	94.3	76.9	19
26	OR2130021R	HRW		91.9	68.1	54.2	91.5	76.4	20
28	Breck (CO12D2011)	HWW		98.4	74.1	44.0	84.6	75.2	21
24	Brawl CL+	HRW		91.3	78.0	52.3	77.5	74.8	22
9	Metropolis	HRW		94.7	69.0	53.4	75.0	73.0	23
11	WB Arrowhead	HRW		90.9	68.6	46.6	85.8	73.0	24
10	Rebelde	HRW		90.6	63.2	52.2	78.6	71.2	25
18	Whelstone	HRW	MD	90.0	67.7	46.1	80.6	71.1	26
23	YS-401	HRW		69.0	79.5	46.6	85.9	70.2	27
13	WB 4623 CLP	HRW	MD	89.3	65.3	45.7	79.8	70.0	28
20	Clearstone CL2	HRW		68.8	82.2	53.2	75.5	69.9	29
8	Mandala	HRW		73.0	72.6	51.3	78.5	68.8	30
	Site Average			99.0	75.5	53.3	90.2	79.3	
	LSD (0.05)			8.7	9.4	5.6	9.3		
	CV (%)			6.3	8.9	7.4	7.4		

<sup>a</sup>SQI is the Site Quality Index. The SQI is based on the relative performance of check varieties to historical means and the degree of variability found within each trial. See individual trials for more information.

<sup>a</sup>Quality rating based on data from the USDA Western Wheat Quality Laboratory.

2018 Oregon Hard Winter Wheat Elite Yield Trials - Low to Intermediate Rainfall Height Summary

OSU  
Extension Cereals

OSU  
Extension Cereals

Entry	Variety	Class	Quality Rating <sup>a</sup>	Moro-Kaseberg in	Kent in	Lexington in	Pomeroy, WA in	4-Site Mean in	4-Site Rank
				SQL =	SQL =	SQL =	SQL =		
17	XB 4542 (EXP)	HRW		42.8	40.5	34.8	37.0	38.8	1
20	Clearstone CL2	HRW		42.7	39.5	35.3	35.3	38.2	2
23	YS-401	HRW		41.8	39.0	34.3	33.0	37.0	3
11	WB Arrowhead	HRW		41.0	35.8	33.3	35.8	36.5	4
8	Mandala	HRW		41.5	38.0	31.3	34.0	36.2	5
12	Keldin	HRW	A	39.3	36.5	33.3	32.8	35.4	6
28	Breck (CO12D2011)	HWW		40.3	36.0	33.0	32.3	35.4	7
18	Whetstone	HRW	MD	39.3	35.3	33.3	33.5	35.3	8
1	LCS Evina	HRW	D	40.8	35.0	29.8	35.3	35.2	9
24	Brawl CL+	HRW		38.5	34.3	34.8	32.3	34.9	10
13	WB 4623 CLP	HRW	MD	39.3	35.3	30.3	34.3	34.8	11
7	NSA 12-2472	HRW		38.8	36.3	30.8	32.5	34.6	12
14	WB 4303	HRW		37.3	33.0	33.3	30.8	33.6	13
29	OR2110679	HWW		37.3	32.8	32.0	32.3	33.6	14
5	LCS Zoom (LWW14-73915)	HRW		36.8	34.5	29.8	31.3	33.1	15
30	OR2130118H	HWW		36.0	32.0	31.8	31.8	32.9	16
26	OR2130021R	HRW		36.7	31.0	31.0	32.8	32.9	17
16	OR2120358H	HWW		36.5	32.0	31.0	31.5	32.8	18
21	WA 8268	HRW		35.0	32.8	30.3	31.0	32.3	19
27	OR2140074R	HRW		35.8	31.5	30.3	30.8	32.1	20
9	Metropolis	HRW		36.0	32.7	31.3	28.3	32.0	21
15	WB 4311 (XA 4104)	HRW		35.3	32.0	31.3	28.8	31.8	22
22	WA 8289	HRW		34.5	31.8	30.0	30.3	31.6	23
3	LCS Rocket (NSA 10-2196)	HRW	D	35.0	31.0	30.0	30.0	31.5	24
2	LCS Jet	HRW	A	36.8	31.5	27.5	29.5	31.3	25
25	Langin	HRW		35.8	31.8	30.5	26.5	31.1	26
6	LCS Abraham	HRW		35.8	30.3	31.0	27.0	31.0	27
19	SY Touchstone (04PN028B-3)	HRW	LD	35.3	30.0	29.8	28.5	30.9	28
10	Rebelde	HRW		33.8	31.8	30.0	27.3	30.7	29
4	LCS Aymeric	HRW		33.3	30.0	27.5	28.5	29.8	30
	Site Average			37.6	33.8	31.4	31.5	33.6	
	LSD (0.05)			1.0	2.0	1.4	2.8		
	CV (%)			1.8	4.1	3.2	6.2		

<sup>a</sup>SQL is the Site Quality Index. The SQL is based on the relative performance of check varieties to historical means and the degree of variability found within each trial. See individual trials for more information.

<sup>a</sup>Quality rating based on data from the USDA Western Wheat Quality Laboratory.

2018 Oregon Hard Winter Wheat Elite Yield Trials - Low to Intermediate Rainfall Test Weight Summary

OSU  
Extension Cereals

OSU  
Extension Cereals

Entry	Variety	Class	Quality Rating <sup>a</sup>	Moro-Kaseberg lbs/bu	Kent lbs/bu	Lexington lbs/bu	Pomeroy, WA lbs/bu	4-Site Mean lbs/bu	4-Site Rank
				SQI =	SQI =	SQI =	SQI =		
28	Breck (CO12D2011)	HWW		66.9	64.9	65.2	66.8	66.0	1
24	Brawl CL+	HRW		65.7	64.5	64.1	66.0	65.1	2
10	Rebelde	HRW		65.7	63.7	63.4	65.7	64.6	3
30	OR2130118H	HWW		65.2	63.8	63.4	65.4	64.5	4
17	XB 4542 (EXP)	HRW		65.1	62.3	63.7	65.9	64.3	5
8	Mandala	HRW		64.8	64.2	62.3	65.4	64.2	6
12	Keldin	HRW	A	64.7	63.4	62.7	65.7	64.1	7
9	Metropolis	HRW		64.7	63.0	63.1	65.2	64.0	8
13	WB 4623 CLP	HRW	MD	64.7	63.6	63.2	64.5	64.0	9
11	WB Arrowhead	HRW		64.3	62.9	62.9	65.0	63.8	10
15	WB 4311 (XA 4104)	HRW		64.4	63.1	62.3	65.0	63.7	11
19	SY Touchstone (04PN028B-3)	HRW	LD	63.6	62.5	62.6	64.7	63.3	12
18	Whetstone	HRW	MD	63.9	61.5	62.3	65.0	63.2	13
26	OR2130021R	HRW		63.2	61.8	61.7	65.0	62.9	14
23	YS-401	HRW		63.0	62.4	61.5	64.1	62.7	15
1	LCS Evina	HRW	D	63.9	61.5	60.9	64.5	62.7	16
20	Clearstone CL2	HRW		63.4	61.5	61.5	64.2	62.6	17
16	OR2120358H	HWW		63.3	61.8	61.5	63.9	62.6	18
14	WB 4303	HRW		63.4	61.0	61.3	64.2	62.5	19
29	OR2110679	HWW		63.1	60.1	61.7	64.8	62.4	20
22	WA 8289	HRW		62.7	61.0	60.7	63.8	62.0	21
25	Langin	HRW		61.7	61.0	60.7	64.6	62.0	22
2	LCS Jet	HRW	A	62.9	60.7	59.9	63.6	61.7	23
21	WA 8268	HRW		62.0	60.0	59.9	63.7	61.4	24
6	LCS Abraham	HRW		62.0	60.4	60.1	62.5	61.3	25
27	OR2140074R	HRW		62.0	59.1	59.8	63.4	61.1	26
5	LCS Zoom (LWW14-73915)	HRW		62.2	59.3	59.4	63.0	61.0	27
7	NSA 12-2472	HRW		61.8	59.9	59.5	61.8	60.7	28
3	LCS Rocket (NSA 10-2196)	HRW	D	60.8	59.4	59.0	62.8	60.5	29
4	LCS Aymeric	HRW		60.9	59.1	58.4	63.2	60.4	30
	Site Average			63.5	61.8	61.7	64.4	62.8	
	LSD (0.05)			0.7	1.7	0.5	0.5		
	CV (%)			0.8	2.0	0.6	0.6		

<sup>a</sup>SQI is the Site Quality Index. The SQI is based on the relative performance of check varieties to historical means and the degree of variability found within each trial. See individual trials for more information.

<sup>a</sup>Quality rating based on data from the USDA Western Wheat Quality Laboratory.

2018 Oregon Hard Winter Wheat Elite Yield Trials - Low to Intermediate Rainfall Protein Summary

OSU  
Extension Cereals

OSU  
Extension Cereals

Entry	Variety	Class	Quality Rating <sup>a</sup>	Moro-Kaseberg	Kent	Lexington	Pomeroy, WA	4-Site Mean	4-Site Rank
				%	%	%	%	%	
				SQI =	SQI =	SQI =	SQI =		
9	Metropolis	HRW		9.2	9.7	8.5	11.8	9.8	1
10	Rebelde	HRW		9.5	9.0	8.7	11.4	9.6	2
13	WB 4623 CLP	HRW	MD	9.7	8.9	7.7	11.5	9.4	3
24	Braw CL+	HRW		9.2	8.7	8.1	11.7	9.4	4
28	Breck (CO12D2011)	HWW		8.6	9.2	8.5	11.0	9.3	5
11	WB Arrowhead	HRW		8.9	8.9	8.2	11.2	9.3	6
18	Whetstone	HRW	MD	8.9	9.3	7.9	11.0	9.3	7
26	OR2130021R	HRW		8.6	9.9	8.2	10.3	9.2	8
16	OR2120358H	HWW		9.2	8.9	7.6	10.9	9.1	9
15	WB 4311 (XA 4104)	HRW		8.7	9.2	7.8	10.9	9.1	10
21	WA 8268	HRW		8.3	9.1	8.8	10.2	9.1	11
20	Clearstone CL2	HRW		8.6	8.9	7.6	11.1	9.0	12
30	OR2130118H	HWW		8.6	9.8	7.7	10.0	9.0	13
29	OR2110679	HWW		8.6	9.4	7.3	10.0	8.8	14
19	SY Touchstone (04PN028B-3)	HRW	LD	8.5	9.1	7.9	9.8	8.8	15
1	LCS Evina	HRW	D	8.7	8.6	7.7	10.1	8.8	16
14	WB 4303	HRW		8.4	8.6	7.6	10.2	8.7	17
17	XB 4542 (EXP)	HRW		8.4	8.5	7.6	10.0	8.6	18
27	OR2140074R	HRW		8.5	9.2	7.0	9.5	8.5	19
23	YS-401	HRW		8.3	8.0	8.0	9.9	8.5	20
8	Mandala	HRW		8.7	7.6	7.7	10.0	8.5	21
22	WA 8289	HRW		8.0	9.4	7.1	9.5	8.5	22
12	Keldin	HRW	A	8.0	8.0	7.9	9.6	8.4	23
5	LCS Zoom (LWW14-73915)	HRW		8.5	7.5	7.8	9.5	8.3	24
6	LCS Abraham	HRW		7.9	8.1	7.6	9.5	8.2	25
25	Langin	HRW		7.4	8.0	7.4	9.9	8.2	26
7	NSA 12-2472	HRW		7.7	7.8	8.0	9.1	8.2	27
2	LCS Jet	HRW	A	8.4	7.3	7.1	9.5	8.1	28
4	LCS Aymeric	HRW		7.9	7.9	6.7	9.4	8.0	29
3	LCS Rocket (NSA 10-2196)	HRW	D	7.4	8.0	7.1	8.9	7.8	30
	Site Average			8.5	8.7	7.7	10.2	8.8	
	LSD (0.05)			0.6	1.7	0.7	0.5		
	CV (%)			5.3	13.7	6.7	3.4		

<sup>a</sup>SQI is the Site Quality Index. The SQI is based on the relative performance of check varieties to historical means and the degree of variability found within each trial. See individual trials for more information.

<sup>a</sup>Quality rating based on data from the USDA Western Wheat Quality Laboratory.