



**2023 OREGON HARD WINTER WHEAT YIELD TRIALS**  
**Pendleton - CBARC Station (Conventional Tillage)**



Site Description: Trial was relatively uniform.

Variety	Herbicide Resistance	Class	2023 Yield		2-Year		3-Year		4-Year		Best Estimate* Yield bu/ac
			Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank	Yield bu/ac	Rank	
LCS Rocket		HRW	103	1	116	1	102	1	109	1	<b>109 ± 8</b>
OR2190064R		HRW	96	4	112	2					<b>106 ± 11</b>
Keldin		HRW	96	6	110	4	99	3	105	2	<b>105 ± 8</b>
LCS Blackbird (LWH18-0122)		HRW	101	2	110	3	99	2			<b>104 ± 9</b>
LCS Missile (LWH19-0192)		HRW	97	3	108	5	96	4			<b>101 ± 9</b>
PN13201002-04		HRW	96	5	108	6	96	5			<b>101 ± 9</b>
OR2190160R		HRW	95	7							<b>99 ± 16</b>
Millie		HWW	90	11	106	7	93	6	98	3	<b>98 ± 8</b>
LCS Eclipse AX	AX	HRW	93	8							<b>97 ± 16</b>
Scorpio		HRW	89	14	103	8	92	7	96	4	<b>96 ± 8</b>
WA8368		HRW	91	10							<b>96 ± 16</b>
WB4394		HRW	90	12	99	10	90	8	94	5	<b>94 ± 8</b>
WB4510 CLP	CL+	HRW	83	18	99	11					<b>93 ± 11</b>
Irv		HWW	90	13	98	12	89	9	92	6	<b>92 ± 8</b>
OR2170199R		HRW	85	16	100	9	88	11			<b>92 ± 9</b>
WA8369		HRW	87	15							<b>92 ± 16</b>
LCS Jet		HRW	92	9	95	13	88	10	89	7	<b>89 ± 8</b>
WB4303		HRW	85	17							<b>74 ± 11</b>
		Average	92		105		94		98		<b>96</b>
		LSD (0.05)	7								
		CV (%)	5.6								

\*Best linear unbiased estimators (BLUEs) are best estimators of variety performance relative to other varieties, based on up to four years of data.



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Variety	Class	Quality*	Height in	Test Weight lbs/bu	Protein %	Heading Date
LCS Rocket	HRW	A	34.0	60.8	10.8	5/24
OR2190064R	HRW		31.0	62.7	11.1	5/29
Keldin	HRW	D	35.7	62.7	11.4	5/26
LCS Blackbird (LWH18-0122)	HRW		29.3	60.5	11.9	5/25
LCS Missile (LWH19-0192)	HRW		31.3	62.8	11.2	5/27
PN13201002-04	HRW		40.3	62.3	11.4	5/28
OR2190160R	HRW		30.7	63.8	11.4	5/27
Millie	HWW	MD	32.7	63.5	11.8	5/27
LCS Eclipse AX	HRW		37.7	58.4	10.9	5/27
Scorpio	HRW	MD	32.7	61.3	11.8	5/29
WA8368	HRW		32.3	61.4	11.4	5/28
WB4394	HRW	A	38.0	63.4	11.5	5/24
WB4510 CLP	HRW		34.3	65.3	11.2	5/25
Irv	HWW	MD	34.0	62.9	11.5	5/26
OR2170199R	HRW		32.0	61.4	11.4	5/28
WA8369	HRW		30.7	62.7	11.5	5/28
LCS Jet	HRW	A	32.3	62.3	11.8	5/24
WB4303	HRW	A	33.0	62.5	12.0	5/21
	Average		33.4	62.3	11.4	5/26
	LSD (0.05)		2.4	0.9	0.3	0.9
	CV (%)		5.1	1.0	1.8	

\*Quality ratings assigned by 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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Site Description: Trial was relatively uniform.

Planting Date: 10-17-2022

Harvest Date: 7-21-2023

Site Location: 45.7214, -118.6315

Fertility: 97-0-0 Prior to Planting, 138-0-0 Topdress on 3-19-2023

Row Spacing: 7.5"

Fungicides: 10 oz/acre Trivapro on 5-16-2023

Plot Length: ~20'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice