



2023 OREGON HARD WINTER WHEAT YIELD TRIALS
Walla Walla (Conventional Tillage)



Trial was conducted in collaboration with WSU and Northwest Grain Growers

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	
OR2190064R		HRW	78	20	108	2					109 ± 13
WA8369		HRW	78	19	105	6					106 ± 13
LCS Blackbird (LWH18-0122)		HRW	84	2	105	4	98	2			105 ± 10
LCS Jet		HRW	76	22	106	3	97	3	104	1	104 ± 9
WA8401		HRW	84	3							104 ± 18
LCS Rocket		HRW	74	25	100	10	94	6	104	2	104 ± 9
LCS Missile (LWH19-0192)		HRW	82	9	102	7	97	4			103 ± 10
WA8340		HRW	77	21							103 ± 13
WA8399		HRW	82	6							103 ± 18
PN13201002-04		HRW	80	12	105	5	96	5			102 ± 10
Keldin (1050k)		HRW	82	8	101	8					102 ± 13
Irv		HWW	83	4	101	9	93	9	101	3	101 ± 9
Scorpio		HRW	86	1	93	18	94	7	101	4	101 ± 9
Millie		HWW	80	13	96	14	93	8	101	5	101 ± 9
LCS Evina		HRW	80	11	99	13	91	11	101	6	101 ± 9
WB4303		HRW	78	17	108	1	101	1	100	7	100 ± 9
Keldin (1200k)		HRW	83	5	99	12					100 ± 13
LWH20-0490		HRW	79	15							100 ± 18
WA8400		HRW	78	18							99 ± 18
LWH20-4802		HRW	76	23							97 ± 18
LWH19-5663		HRW	82	7	95	16					96 ± 13
WB4394		HRW	74	26	96	15	88	12	96	8	96 ± 9
Milestone		HRW	76	24							96 ± 18
WA8368		HRW	79	16	95	17					96 ± 13
OR2170199R		HRW	80	14	93	19	88	13			95 ± 10
Canvas		HRW	74	28	92	20	86	15	94	9	94 ± 9
Kairos		HRW	74	27	99	11	91	10	93	10	93 ± 9
OR2190160R		HRW	72	30							92 ± 18
WB4311		HRW	73	29	86	22	82	16	89	11	89 ± 9
Keldin		HRW	80	10	90	21	87	14	89	12	89 ± 9
		Average	79		99		92		98		99
		LSD (0.05)	6								
		CV (%)	5.8								

*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 %
OR2190064R	HRW		30.3	61.2	11.8
WA8369	HRW		29.5	60.9	11.5
LCS Blackbird (LWH18-0122)	HRW		28.4	59.9	12.3
LCS Jet	HRW	A	29.6	61.2	12.2
WA8401	HRW		31.6	60.2	11.1
LCS Rocket	HRW	A	30.8	60.2	11.8
LCS Missile (LWH19-0192)	HRW		31.7	61.5	12.0
WA8340	HRW		31.3	60.0	11.7
WA8399	HRW		30.9	60.9	11.2
PN13201002-04	HRW		36.8	61.3	12.1
Keldin (1050k)	HRW		32.7	61.6	12.3
Irv	HWW	MD	33.8	60.5	12.6
Scorpio	HRW	MD	30.4	60.6	12.0
Millie	HWW	MD	31.4	61.4	11.9
LCS Evina	HRW	A	37.3	61.4	12.0
WB4303	HRW	A	30.1	60.9	12.0
Keldin (1200k)	HRW	D	34.2	61.5	11.8
LWH20-0490	HRW		31.1	62.2	11.7
WA8400	HRW		31.4	60.7	12.0
LWH20-4802	HRW		33.5	61.6	12.3
LWH19-5663	HRW		31.1	61.6	11.6
WB4394	HRW	A	35.7	62.2	12.3
Milestone	HRW		30.9	61.8	11.9
WA8368	HRW		30.2	60.8	12.0
OR2170199R	HRW		30.5	59.8	12.1
Canvas	HRW		32.2	62.4	11.6
Kairos	HRW		28.1	61.0	11.7
OR2190160R	HRW		30.2	61.7	12.0
WB4311	HRW	D	30.9	62.6	12.1
Keldin	HRW	D	33.2	62.1	11.7
Average			31.7	61.2	11.9
LSD (0.05)			1.4	1.9	0.7
CV (%)			3.2	2.2	4.5

*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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Planting Date: 10-6-2022

Harvest Date: 7-26-2023

Site Location: 46.0890, -118.2217

Fertility: 162N-40P-29K-20S-15Cl at Planting

Fungicides: 8 oz Quilt Xcel was applied on 5-4-2023

Plot Length: ~10'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice