



2023 OREGON HARD WINTER WHEAT YIELD TRIALS Eureka (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	
Scorpio		HRW	36	7	75	2	66	1	68	1	68 ± 4
WA8401		HRW	39	4							67 ± 8
LWH20-4802		HRW	39	5							66 ± 8
PN13201002-04		HRW	42	2	77	1	66	2			66 ± 5
WA8310		HRW	39	6	72	5					64 ± 6
Keldin		HRW	43	1	75	3	64	3	64	2	64 ± 4
OR2190064R		HRW	34	11	72	6					64 ± 6
Whistler		HRW	36	8	71	7					64 ± 6
LCS Missile (LWH19-0192)		HRW	32	17	69	10	62	4			63 ± 5
LCS Evina		HRW	41	3	72	4	61	5	62	3	62 ± 4
LCS Rocket		HRW	33	12	70	8	61	6	62	4	62 ± 4
LWH20-0490		HRW	34	10							62 ± 8
LCS Blackbird (LWH18-0122)		HRW	29	28	68	11	61	7			61 ± 5
WB4394		HRW	32	19	70	9	60	8	60	5	60 ± 4
Irv		HWW	29	26	66	15	57	13	60	6	60 ± 4
WA8367		HRW	33	13	67	12					60 ± 6
LCS Jet		HRW	25	30	64	17	58	10	60	7	60 ± 4
Milestone		HRW	32	15							60 ± 8
Guardian		HRW	33	14	66	14	58	9	60	8	60 ± 4
WA8368		HRW	32	16							59 ± 8
LWH19-5663		HRW	35	9	67	13					59 ± 6
LCS Shine		SWW	32	18							59 ± 8
WA8396		HRW	30	22							57 ± 8
WA8403		HRW	30	23							57 ± 8
Canvas		HRW	29	25	66	16	57	11	57	9	57 ± 4
OR2190160R		HRW	29	27							56 ± 8
Millie		HWW	31	21	63	18	57	12	55	10	55 ± 4
WB4303		HRW	27	29	62	20	55	14	54	11	54 ± 4
WB4311		HRW	32	20	63	19	53	15	54	12	54 ± 4
OR2170199R		HRW	30	24	60	21	51	16			52 ± 5
		Average	33		68		59		60		60
		LSD (0.05)	4								
		CV (%)	7.7								

*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 %
Scorpio	HRW	MD	22.2	62.6	13.9
WA8401	HRW		21.0	63.6	12.3
LWH20-4802	HRW		21.2	62.4	12.8
PN13201002-04	HRW		24.6	63.1	12.7
WA8310	HRW		25.2	63.4	13.1
Keldin	HRW	D	24.6	63.0	13.0
OR2190064R	HRW		21.8	62.5	13.7
Whistler	HRW		24.5	63.5	12.9
LCS Missile (LWH19-0192)	HRW		20.8	63.1	13.3
LCS Evina	HRW	A	25.0	60.7	14.3
LCS Rocket	HRW	A	22.9	61.8	13.6
LWH20-0490	HRW		23.3	62.7	13.1
LCS Blackbird (LWH18-0122)	HRW		19.2	61.4	14.6
WB4394	HRW	A	26.1	63.6	13.7
Irv	HWW	MD	22.5	63.0	14.2
WA8367	HRW		20.1	63.2	13.5
LCS Jet	HRW	A	17.7	61.1	14.6
Milestone	HRW		22.3	62.2	14.2
Guardian	HRW	MD	23.5	64.1	14.0
WA8368	HRW		21.2	62.7	13.9
LWH19-5663	HRW		23.7	62.1	13.5
LCS Shine	SWW	MD	19.0	61.7	12.4
WA8396	HRW		27.4	61.5	13.9
WA8403	HRW		24.4	62.3	13.9
Canvas	HRW		22.9	64.6	13.2
OR2190160R	HRW		21.6	63.3	14.2
Millie	HWW	MD	22.1	63.7	14.2
WB4303	HRW	A	22.4	62.4	14.0
WB4311	HRW	D	22.7	62.3	14.8
OR2170199R	HRW		22.0	62.7	13.9
Average			22.6	62.7	13.7
LSD (0.05)			1.3	0.5	0.4
CV (%)			4.2	0.5	2.0

*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: 10-14-2022

Harvest Date: 7-28-2023

Site Location: 46.2979, -118.6307

Fertility: 80-10-0-15S + 1 Qt Chelated Zinc Prior to Planting

Row Spacing: 7.5"

Plot Length: ~15'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice