



2021 OREGON HARD WINTER WHEAT YIELD TRIALS Eureka (Conventional Tillage)



Trial was conducted in collaboration with WSU and Northwest Grain Growers.

Variety	Herbicide Resistance	Class	2021 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	
OR2160011R		HRW	45	5	58	2	62	1			72 ± 6
LWH19-0192		HRW	48	2							70 ± 10
LCS Rocket		HRW	42	16	53	6	55	6	68	1	68 ± 5
LWH18-0122		HRW	46	3							67 ± 10
Scorpio		HRW	48	1	61	1	58	2	67	2	67 ± 5
LCS Jet		HRW	45	4	55	3	55	5	67	3	67 ± 5
Keldin		HRW	44	14	54	5	56	4	67	4	67 ± 5
WB4394		HRW	41	19	51	9	56	3			66 ± 6
Battle AX	AX	HRW	45	6							66 ± 10
OR2160025H		HWW	45	7							66 ± 10
LWH19-0907		HRW	44	8							66 ± 10
IDO2006		HWW	44	10							66 ± 10
PN13201002-04		HRW	44	11							65 ± 10
WA8340		HRW	44	12							65 ± 10
Guardian		HRW	44	13	53	7					65 ± 7
AP18 AX	AX	HRW	42	15							64 ± 10
WB4303		HRW	40	23	46	19	53	8	64	5	64 ± 5
LCS Evina		HRW	39	25	52	8	53	7	63	6	63 ± 5
WA8339		HRW	42	17							63 ± 10
OR2150168H		HWW	39	24	50	11					62 ± 7
UI Bronze Jade		HWW	36	32	49	13	51	10			62 ± 6
OR2170052H		HWW	40	20	49	12					61 ± 7
OR2180056R		HRW	39	26							60 ± 10
Irv		HWW	38	28	54	4	53	9	60	7	60 ± 5
WB4311		HRW	34	33	45	20	50	12	60	8	60 ± 5
Canvas		HRW	40	22	48	15					60 ± 7
YSC-1001		HRW	38	30							60 ± 10
WA8309		HRW	41	18	51	10	50	11			60 ± 6
OR2180100R		HRW	40	21	48	16					60 ± 7
LCS Fusion AX	AX	HRW	38	31							60 ± 10
Kairos		HRW	38	29	47	18					59 ± 7
OR2160065H		HWW	39	27	48	14	48	13			58 ± 6
Millie		HWW	44	9	48	17	46	14	57	9	57 ± 5
OR2170199R		HRW	32	35							54 ± 10
YSC-1002		HRW	30	36							52 ± 10
IDO1906		HWW	34	34	39	21					50 ± 7
		Average	41		50		53		64		63
		LSD (0.05)	2								
		CV (%)	4								

*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 %
OR2160011R	HRW		23.1	61.2	12.7
LWH19-0192	HRW		23.0	61.5	12.6
LCS Rocket	HRW	A	23.3	59.9	12.8
LWH18-0122	HRW		22.0	60.8	13.4
Scorpio	HRW	MD	24.0	61.6	12.7
LCS Jet	HRW	A	22.7	60.6	12.9
Keldin	HRW	D	26.7	62.8	13.2
WB4394	HRW		28.6	62.6	13.4
Battle AX	HRW		23.5	63.0	12.4
OR2160025H	HWW		23.2	61.3	12.7
LWH19-0907	HRW		22.5	61.4	12.9
IDO2006	HWW		25.6	62.9	13.1
PN13201002-04	HRW		27.4	63.0	13.0
WA8340	HRW		25.9	61.7	12.6
Guardian	HRW		24.0	64.0	13.1
AP18 AX	HRW		23.4	62.1	12.9
WB4303	HRW	A	23.7	62.2	13.6
LCS Evina	HRW	A	25.8	59.5	14.0
WA8339	HRW		23.5	61.8	13.1
OR2150168H	HWW		22.6	62.6	13.7
UI Bronze Jade	HWW		25.9	61.5	12.5
OR2170052H	HWW		24.7	61.0	13.0
OR2180056R	HRW		23.1	60.8	12.9
Irv	HWW	MD	24.7	62.1	13.1
WB4311	HRW	D	22.1	62.5	13.9
Canvas	HRW		23.2	64.4	12.8
YSC-1001	HRW		28.5	60.9	14.5
WA8309	HRW		19.6	60.8	13.8
OR2180100R	HRW		19.8	58.7	11.6
LCS Fusion AX	HRW		23.0	62.3	12.3
Kairos	HRW		21.0	60.8	13.7
OR2160065H	HWW		25.4	61.7	14.0
Millie	HWW		24.6	63.4	13.4
OR2170199R	HRW		23.1	62.6	13.1
YSC-1002	HRW		19.1	61.7	14.7
IDO1906	HWW		21.8	60.8	14.5
	Average		23.7	61.7	13.2
	LSD		1.2	0.5	0.3
	CV (%)		3	1	2

*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: 10-8-2020

Harvest Date: 7-21-2021

Site Location: 46.2937, -118.5953

Fertility: 80-0-0-20S Prior to Planting

Planting Method: Conventional Drill

Row Spacing: 15"

Fungicides: 4 oz Tilt At Herbicide Timing

Plot Length: ~15'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice