



2021 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	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	
LCS Rocket		HRW	82	13	107	3	104	3	113	1	113 ± 8
WA8340		HRW	91	2							112 ± 16
IDO2006		HWW	90	3							112 ± 16
LCS Evina		HRW	74	27	103	7	104	4	112	2	112 ± 8
WA8309		HRW	78	19	105	6	105	2			109 ± 9
OR2160011R		HRW	84	9	108	2	104	5			109 ± 9
LWH19-0192		HRW	86	6							108 ± 16
LCS Jet		HRW	79	16	102	8	102	6	107	3	107 ± 8
WA8339		HRW	86	7							107 ± 16
OR2170052H		HWW	79	17	106	5					107 ± 11
Scorpio		HRW	95	1	110	1	105	1	107	4	107 ± 8
LWH19-0907		HRW	84	10							106 ± 16
LWH18-0122		HRW	84	11							105 ± 16
OR2160025H		HWW	84	12							105 ± 16
OR2150168H		HWW	85	8	100	10					101 ± 11
Millie		HWW	88	4	107	4	100	7	101	5	101 ± 8
OR2170199R		HRW	79	15							101 ± 16
OR2180100R		HRW	79	18	99	11					100 ± 11
OR2160065H		HWW	77	22	98	12	95	9			100 ± 9
UI Bronze Jade		HWW	70	34	95	16	95	10			99 ± 9
Battle AX	AX	HRW	77	20							99 ± 16
Irv		HWW	77	21	102	9	97	8	99	6	99 ± 8
WB4303		HRW	87	5	92	18	90	12	99	7	99 ± 8
PN13201002-04		HRW	76	23							98 ± 16
Canvas		HRW	74	30	96	14					98 ± 11
YSC-1001		HRW	76	24							98 ± 16
WB4394		HRW	74	28	97	13	93	11			97 ± 9
Guardian		HRW	74	29	96	15					97 ± 11
OR2180056R		HRW	74	31							95 ± 16
LCS Fusion AX	AX	HRW	74	32							95 ± 16
Keldin		HRW	80	14	88	20	88	13	94	8	94 ± 8
WB4311		HRW	75	25	93	17	84	14	91	9	91 ± 8
IDO1906		HWW	73	33	89	19					90 ± 11
AP18 AX	AX	HRW	69	35							90 ± 16
Kairos		HRW	75	26	88	21					89 ± 11
YSC-1002		HRW	65	36							86 ± 16
		Average	79		99		97		102		101
		LSD (0.05)	9								
		CV (%)	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 %
LCS Rocket	HRW	A	31.7	60.8	11.3
WA8340	HRW		34.9	60.4	11.7
IDO2006	HWW		35.4	61.7	12.0
LCS Evina	HRW	A	34.7	59.1	13.4
WA8309	HRW		28.7	59.7	12.0
OR2160011R	HRW		31.8	60.2	11.7
LWH19-0192	HRW		32.6	62.4	12.0
LCS Jet	HRW	A	30.0	61.5	12.1
WA8339	HRW		32.6	60.1	11.8
OR2170052H	HWW		34.5	60.7	11.3
Scorpio	HRW	MD	32.5	61.5	12.4
LWH19-0907	HRW		32.2	62.0	12.1
LWH18-0122	HRW		30.3	60.5	12.2
OR2160025H	HWW		33.3	62.5	11.5
OR2150168H	HWW		31.0	61.7	12.4
Millie	HWW		33.8	63.1	12.4
OR2170199R	HRW		33.4	60.0	12.2
OR2180100R	HRW		28.4	56.7	11.0
OR2160065H	HWW		34.9	61.3	13.0
UI Bronze Jade	HWW		34.6	60.1	11.1
Battle AX	HRW		32.7	63.1	11.7
Irv	HWW	MD	32.9	61.6	12.2
WB4303	HRW	A	33.3	62.2	11.8
PN13201002-04	HRW		36.6	63.3	11.4
Canvas	HRW		31.7	64.3	11.3
YSC-1001	HRW		37.3	60.2	12.5
WB4394	HRW		37.8	61.5	12.0
Guardian	HRW		31.7	64.4	12.3
OR2180056R	HRW		31.0	59.0	12.6
LCS Fusion AX	HRW		33.8	62.2	11.2
Keldin	HRW	D	32.4	63.2	12.1
WB4311	HRW	D	31.7	63.2	12.4
IDO1906	HWW		32.0	61.8	12.6
AP18 AX	HRW		34.0	63.3	11.3
Kairos	HRW		31.2	62.0	12.4
YSC-1002	HRW		30.5	62.3	12.8
	Average		32.8	61.5	12.0
	LSD		1.4	1.0	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: 10-15-2020

Harvest Date: 7-14-2021

Site Location: 46.0891, -118.2272

Fertility: 160-10-10-15S Prior to Planting, 146-0-0 Spring Topdress

Fungicides: 2oz Tilt on 3-18-2021 (No Foliar Diseases Observed)

Plot Length: ~12'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice