



**2021 OREGON HARD WINTER WHEAT YIELD TRIALS
Pendleton (Conventional Tillage)**



Site Description: Trial was relatively uniform.

4-year yield averages include data from 2021, 2020, 2018, and 2017.

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	75	6	103	1	112	1	113	1	113 ± 9
AP18 AX	AX	HRW	79	1							107 ± 19
OR2170052H		HWW	73	10	96	3					106 ± 13
LWH18-0122		HRW	78	3							106 ± 19
OR2160011R		HRW	68	17	95	4					104 ± 13
Snowmass 2.0		HWW	76	4							104 ± 19
Millie		HWW	68	19	90	6	100	3	103	2	103 ± 9
OR2150168H		HWW	64	25	93	5					102 ± 13
Scorpio		HRW	69	16	88	9	99	4	102	3	102 ± 9
PN13201002-04		HRW	73	8							101 ± 19
LWH19-0192		HRW	73	9							101 ± 19
LCS Jet		HRW	73	11	82	18	98	5	101	4	101 ± 9
LWH19-0907		HRW	73	13							100 ± 19
Keldin		HRW	78	2	101	2	107	2	100	5	100 ± 9
Canvas		HRW	73	12	87	11					99 ± 11
Irv		HWW	71	14	87	10	97	6	99	6	99 ± 9
WB4394		HRW	71	15	89	7					98 ± 13
Guardian		HRW	75	5	88	8					98 ± 13
OR2160065H		HWW	67	20	86	13					95 ± 13
IDO1906		HWW	66	23	85	15					95 ± 13
WB4311		HRW	65	24	86	12	94	8	94	7	94 ± 9
OR2160025H		HWW	66	22							94 ± 19
OR2180100R		HRW	68	18	84	17					94 ± 13
LCS Evina		HRW	62	28	86	14	95	7	94	8	94 ± 9
IDO2006		HWW	63	26							91 ± 19
WB4623 CLP	CL+	HRW	67	21	85	16	91	9	91	9	91 ± 9
OR2170199R		HRW	63	27							91 ± 19
OR2180056R		HRW	59	29							87 ± 19
WA8309		HRW	56	30							84 ± 19
Brawl CL Plus	CL+	HRW	73	7	76	19	81	10	74	10	74 ± 9
		Average	69		89		97		97		98
		LSD (0.05)	6								
		CV (%)	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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Site Description: Trial was relatively uniform.

Variety	Class	Quality*	Height in	Test Weight lbs/bu	Protein %	Heading Date
LCS Rocket	HRW	A	31.6	60.6	9.0	5/26
AP18 AX	HRW		33.0	64.4	8.4	5/20
OR2170052H	HWW		34.3	62.0	8.5	5/28
LWH18-0122	HRW		28.7	61.2	9.8	5/22
OR2160011R	HRW		30.6	60.0	9.4	5/27
Snowmass 2.0	HWW		32.0	64.7	9.6	5/19
Millie	HWW		31.6	65.2	9.7	5/24
OR2150168H	HWW		31.3	61.5	9.9	5/27
Scorpio	HRW	MD	31.0	61.0	9.9	5/28
PN13201002-04	HRW		37.4	63.7	9.6	5/26
LWH19-0192	HRW		31.7	63.3	9.3	5/25
LCS Jet	HRW	A	31.0	62.6	9.6	5/25
LWH19-0907	HRW		31.7	62.2	9.4	5/27
Keldin	HRW	D	35.5	64.2	10.3	5/25
Canvas	HRW		31.6	65.6	9.4	5/21
Irv	HWW	MD	33.1	63.1	9.6	5/25
WB4394	HRW		37.0	63.7	9.7	5/24
Guardian	HRW		33.6	65.3	9.4	5/21
OR2160065H	HWW		32.7	62.2	10.0	5/25
IDO1906	HWW		31.3	62.4	10.2	5/21
WB4311	HRW	D	30.0	65.4	9.6	5/23
OR2160025H	HWW		31.0	62.8	9.8	5/27
OR2180100R	HRW		26.9	57.8	9.4	5/28
LCS Evina	HRW	A	33.4	60.1	10.7	5/30
IDO2006	HWW		31.7	61.5	10.0	5/29
WB4623 CLP	HRW	A	33.0	65.5	10.2	5/26
OR2170199R	HRW		30.7	60.8	9.7	5/28
OR2180056R	HRW		30.3	59.5	9.9	5/29
WA8309	HRW		25.7	57.9	10.6	5/28
Brawl CL Plus	HRW		33.3	65.9	10.1	5/17
Average			31.9	62.5	9.7	5/25
LSD			1.0	0.8	0.6	0.9
CV (%)			2	1	4	

*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: 10-22-2020

Harvest Date: 7-15-2021

Site Location: 45.72165, -118.63148

Fertility: 68-8-0-12S Prior to Planting

Planting Method: Conventional Drill

Row Spacing: 7.5"

Fungicides: None (No Significant Foliar Diseases Observed)

Plot Length: ~20'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice