



**2021 OREGON HARD WINTER WHEAT YIELD TRIALS
Ontario (Irrigated)**



Site Description: Trial was impacted by relatively uniform wild oat competition.

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	
LWH19-0192		HRW	112	1							119 ± 11
LCS Rocket		HRW	108	5	101	1	117	1			117 ± 6
LWH19-0907		HRW	110	2							117 ± 11
LWH18-0122		HRW	108	4							115 ± 11
LCS Jet		HRW	110	3	96	2	114	2			114 ± 6
OR2170052H		HWW	102	6	93	3					109 ± 8
Scorpio		HRW	93	17	84	9	104	3			104 ± 6
OR2170199R		HRW	97	9							104 ± 11
Millie		HWW	94	15	88	4	104	4			104 ± 6
OR2160011R		HRW	98	8	86	5	104	5			104 ± 6
AP18 AX	AX	HRW	97	10							103 ± 11
WA8309		HRW	95	13							101 ± 11
Brawl CL Plus	CL+	HRW	93	18	86	6	101	6			101 ± 6
OR2180056R		HRW	93	19							100 ± 11
OR2160065H		HWW	96	11	83	12	100	7			100 ± 6
Irv		HWW	102	7	85	8	100	8			100 ± 6
WB4394		HRW	84	30	79	18	100	9			100 ± 6
LCS Evina		HRW	94	16	85	7	99	10			99 ± 6
OR2160025H		HWW	92	20							99 ± 11
OR2150168H		HWW	94	14	83	11					99 ± 8
Keldin		HRW	90	22	84	10	99	11			99 ± 6
OR2180100R		HRW	96	12	82	13					98 ± 8
Guardian		HRW	89	23	82	14					98 ± 8
Canvas		HRW	86	28	81	16					97 ± 8
PN13201002-04		HRW	88	24							95 ± 11
WB4623 CLP	CL+	HRW	91	21	82	15	95	12			95 ± 6
IDO1906		HWW	85	29	79	17					95 ± 8
Snowmass 2.0		HWW	88	26							94 ± 11
IDO2006		HWW	87	27							94 ± 11
WB4311		HRW	88	25	77	19	93	13			93 ± 6
		Average	95		85		102				102
		LSD (0.05)	13								
		CV (%)	10								

*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*	Test Weight lbs/bu	Protein %
LWH19-0192	HRW		63.3	9.4
LCS Rocket	HRW	A	61.9	8.9
LWH19-0907	HRW		63.0	9.1
LWH18-0122	HRW		62.1	9.8
LCS Jet	HRW	A	62.8	9.2
OR2170052H	HWW		63.1	8.9
Scorpio	HRW	MD	62.2	9.4
OR2170199R	HRW		62.3	9.6
Millie	HWW		65.5	10.3
OR2160011R	HRW		61.7	9.5
AP18 AX	HRW		64.4	9.0
WA8309	HRW		61.1	9.3
Brawl CL Plus	HRW		66.1	10.4
OR2180056R	HRW		62.8	9.8
OR2160065H	HWW		63.4	9.6
Irv	HWW	MD	64.1	10.8
WB4394	HRW		65.2	9.7
LCS Evina	HRW	A	63.7	10.7
OR2160025H	HWW		64.3	9.9
OR2150168H	HWW		63.0	10.6
Keldin	HRW	D	64.7	9.4
OR2180100R	HRW		58.8	10.0
Guardian	HRW		65.6	9.7
Canvas	HRW		64.8	8.9
PN13201002-04	HRW		63.5	9.7
WB4623 CLP	HRW	A	65.3	11.2
IDO1906	HWW		61.9	10.3
Snowmass 2.0	HWW		66.0	9.3
IDO2006	HWW		62.9	9.6
WB4311	HRW	D	65.2	10.7
Average			63.5	9.7
LSD			0.8	0.8
CV (%)			1	6

*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 impacted by relatively uniform wild oat competition.

Planting Date: 11-5-2020

Harvest Date: 7-28-2021

Site Location: 43.9789, -117.0175

Fertility: 50-100-0-7S-11Mn-2B Prior to Planting, 200-0-0 Topdress on 3-18-2021

Planting Method: Conventional Drill

Row Spacing: 9"

Fungicides: None (No Foliar Diseases Observed)

Plot Length: ~20'

Plot Width: 5'

Trial Design: 3-Replicate Alpha-Lattice