



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



Site Description: Trial was relatively uniform.

| 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 | |
| OR2150168H | | HWW | 118 | 15 | 124 | 2 | | | | | 132 ± 13 |
| OR2160011R | | HRW | 127 | 3 | 125 | 1 | 130 | 1 | | | 131 ± 11 |
| LWH18-0122 | | HRW | 128 | 2 | | | | | | | 130 ± 18 |
| OR2180056R | | HRW | 126 | 4 | | | | | | | 128 ± 18 |
| OR2170199R | | HRW | 126 | 6 | | | | | | | 127 ± 18 |
| LCS Jet | | HRW | 132 | 1 | 119 | 3 | 125 | 2 | 126 | 1 | 126 ± 9 |
| Scorpio | | HRW | 119 | 13 | 118 | 4 | 122 | 3 | 126 | 2 | 126 ± 9 |
| OR2180100R | | HRW | 125 | 7 | 117 | 5 | | | | | 125 ± 13 |
| IDO2006 | | HWW | 121 | 8 | | | | | | | 123 ± 18 |
| LWH19-0907 | | HRW | 120 | 9 | | | | | | | 122 ± 18 |
| WA8309 | | HRW | 120 | 10 | | | | | | | 122 ± 18 |
| OR2160025H | | HWW | 120 | 11 | | | | | | | 122 ± 18 |
| OR2160065H | | HWW | 107 | 21 | 104 | 11 | 119 | 4 | | | 121 ± 11 |
| Canvas | | HRW | 126 | 5 | 113 | 6 | | | | | 120 ± 13 |
| LWH19-0192 | | HRW | 119 | 14 | | | | | | | 120 ± 18 |
| Snowmass 2.0 | | HWW | 118 | 16 | | | | | | | 119 ± 18 |
| LCS Rocket | | HRW | 120 | 12 | 105 | 10 | 116 | 6 | 119 | 3 | 119 ± 9 |
| Millie | | HWW | 107 | 22 | 109 | 8 | 118 | 5 | 118 | 4 | 118 ± 9 |
| Keldin | | HRW | 109 | 18 | 110 | 7 | 112 | 7 | 116 | 5 | 116 ± 9 |
| Guardian | | HRW | 109 | 19 | 102 | 12 | | | | | 109 ± 13 |
| OR2170052H | | HWW | 106 | 23 | 101 | 14 | | | | | 108 ± 13 |
| Irv | | HWW | 108 | 20 | 97 | 16 | 105 | 10 | 108 | 6 | 108 ± 9 |
| PN13201002-04 | | HRW | 106 | 24 | | | | | | | 108 ± 18 |
| WB4311 | | HRW | 102 | 28 | 101 | 13 | 106 | 8 | 106 | 7 | 106 ± 9 |
| WB4394 | | HRW | 105 | 25 | 99 | 15 | 103 | 11 | | | 104 ± 11 |
| AP18 AX | AX | HRW | 102 | 27 | | | | | | | 104 ± 18 |
| IDO1906 | | HWW | 97 | 30 | 95 | 17 | | | | | 102 ± 13 |
| LCS Evina | | HRW | 104 | 26 | 89 | 19 | 100 | 12 | 102 | 8 | 102 ± 9 |
| Brawl CL Plus | CL+ | HRW | 112 | 17 | 108 | 9 | 106 | 9 | 102 | 9 | 102 ± 9 |
| WB4623 CLP | CL+ | HRW | 98 | 29 | 90 | 18 | 91 | 13 | 90 | 10 | 90 ± 9 |
| | | Average | 115 | | 107 | | 112 | | 111 | | 116 |
| | | LSD (0.05) | 14 | | | | | | | | |
| | | CV (%) | 9 | | | | | | | | |

*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 % |
|---------------|-------|----------|-----------------------|--------------|
| OR2150168H | HWV | | 63.2 | 11.8 |
| OR2160011R | HRW | | 63.1 | 10.1 |
| LWH18-0122 | HRW | | 63.7 | 11.1 |
| OR2180056R | HRW | | 62.8 | 11.2 |
| OR2170199R | HRW | | 62.3 | 10.6 |
| LCS Jet | HRW | A | 62.6 | 10.5 |
| Scorpio | HRW | MD | 62.7 | 9.9 |
| OR2180100R | HRW | | 59.9 | 9.3 |
| IDO2006 | HWV | | 63.9 | 9.9 |
| LWH19-0907 | HRW | | 63.0 | 10.2 |
| WA8309 | HRW | | 62.8 | 11.4 |
| OR2160025H | HWV | | 64.5 | 9.4 |
| OR2160065H | HWV | | 63.3 | 11.1 |
| Canvas | HRW | | 66.0 | 11.3 |
| LWH19-0192 | HRW | | 63.5 | 10.9 |
| Snowmass 2.0 | HWV | | 65.9 | 10.6 |
| LCS Rocket | HRW | A | 61.5 | 10.2 |
| Millie | HWV | | 65.1 | 10.6 |
| Keldin | HRW | D | 65.0 | 10.4 |
| Guardian | HRW | | 65.8 | 11.9 |
| OR2170052H | HWV | | 63.9 | 10.5 |
| Irv | HWV | MD | 64.7 | 10.4 |
| PN13201002-04 | HRW | | 64.8 | 10.4 |
| WB4311 | HRW | D | 64.7 | 11.1 |
| WB4394 | HRW | | 65.2 | 12.0 |
| AP18 AX | HRW | | 66.1 | 11.6 |
| IDO1906 | HWV | | 62.4 | 10.3 |
| LCS Evina | HRW | A | 63.5 | 11.5 |
| Brawl CL Plus | HRW | | 65.6 | 12.7 |
| WB4623 CLP | HRW | A | 65.6 | 12.8 |
| Average | | | 63.9 | 10.9 |
| LSD | | | 1.1 | 1.1 |
| CV (%) | | | 1 | 8 |

*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: 10-1-2020

Harvest Date: 7-8-2021

Site Location: 45.81818, -119.28575

Fertility: 60-0-0-10S Prior to Planting, 120-0-0 Topdress on 4-6-2021

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