



2022 OREGON CLEARFIELD WINTER WHEAT YIELD TRIALS Walla Walla (Conventional Tillage)



Trial was conducted in collaboration with WSU and Northwest Grain Growers

| Variety | Herbicide Resistance | Class | 2022 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 Shine | | SWW | 144 | 1 | | | | | | | 125 ± 11 |
| Sockeye CL+ | CL+ | SWW | 143 | 2 | 114 | 1 | 118 | 1 | | | 118 ± 6 |
| VI Voodoo CL+ | CL+ | SWW | 129 | 8 | 108 | 2 | 117 | 2 | | | 117 ± 6 |
| WB4510 CLP | CL+ | HRW | 134 | 3 | | | | | | | 115 ± 11 |
| Piranha CL+ | CL+ | SWW | 129 | 9 | 106 | 5 | 113 | 3 | | | 113 ± 6 |
| SY Dayton | | SWW | 124 | 12 | 106 | 6 | | | | | 112 ± 6 |
| ORI2190027 CL+ | CL+ | SWW | 132 | 5 | 107 | 4 | | | | | 112 ± 8 |
| Stingray CL+ | CL+ | SWW | 134 | 4 | 108 | 3 | 109 | 4 | 110 | 1 | 110 ± 6 |
| ORI2190025 CL+ | CL+ | SWW | 127 | 10 | 104 | 7 | | | | | 108 ± 8 |
| 09PN118-02 CL2 | CL+ | SWW | 130 | 6 | 103 | 8 | | | | | 108 ± 8 |
| VI Presto CL+ | CL+ | SWW | 119 | 14 | 98 | 13 | 108 | 5 | 107 | 2 | 107 ± 6 |
| Resilience CL+ | CL+ | SWW | 130 | 7 | 102 | 10 | 107 | 6 | 107 | 3 | 107 ± 6 |
| UI Magic CL+ | CL+ | SWW | 127 | 11 | 103 | 9 | 105 | 7 | 106 | 4 | 106 ± 6 |
| LCS Blackjack | | SWW | 121 | 13 | 101 | 11 | | | | | 106 ± 8 |
| OR2x2 CL+ | CL+ | SWW | 117 | 17 | 99 | 12 | 104 | 8 | 105 | 5 | 105 ± 6 |
| UIL 17-7706 CL+ | CL+ | SWW | 118 | 16 | 98 | 14 | | | | | 102 ± 8 |
| Appleby CL+ | CL+ | SWW | 119 | 15 | 91 | 15 | 91 | 9 | 92 | 6 | 92 ± 6 |
| Brawl CL Plus | CL+ | HRW | 114 | 18 | 87 | 16 | 88 | 10 | 86 | 7 | 86 ± 6 |
| | | Average | 127 | | 102 | | 106 | | 102 | | 108 |
| | | LSD (0.05) | 10 | | | | | | | | |
| | | CV (%) | 5.7 | | | | | | | | |

*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 % | Lodging % |
|-----------------|-------|----------|--------------|-----------------------|--------------|--------------|
| LCS Shine | SWW | MD | 36.4 | 60.7 | 9.1 | 0 |
| Sockeye CL+ | SWW | MD | 44.0 | 59.7 | 10.0 | 30 |
| VI Voodoo CL+ | SWW | D | 35.7 | 60.2 | 9.4 | 0 |
| WB4510 CLP | HRW | | 43.7 | 64.1 | 9.9 | 13 |
| Piranha CL+ | SWW | D | 42.7 | 60.0 | 9.7 | 23 |
| SY Dayton | SWW | A | 38.6 | 60.8 | 9.9 | 0 |
| ORI2190027 CL+ | SWW | | 38.0 | 62.3 | 9.8 | 0 |
| Stingray CL+ | SWW | D | 39.9 | 60.7 | 9.4 | 5 |
| ORI2190025 CL+ | SWW | | 38.0 | 61.2 | 10.3 | 0 |
| 09PN118-02 CL2 | SWW | | 41.7 | 61.1 | 10.2 | 7 |
| VI Presto CL+ | SWW | D | 46.3 | 61.7 | 11.1 | 13 |
| Resilience CL+ | SWW | D | 41.0 | 61.1 | 10.0 | 0 |
| UI Magic CL+ | SWW | D | 37.3 | 61.2 | 9.6 | 0 |
| LCS Blackjack | SWW | D | 39.0 | 59.0 | 9.7 | 0 |
| OR2x2 CL+ | SWW | D | 42.7 | 60.3 | 10.1 | 0 |
| UIL 17-7706 CL+ | SWW | | 39.6 | 60.1 | 10.3 | 5 |
| Appleby CL+ | SWW | D | 44.0 | 60.9 | 10.8 | 3 |
| Brawl CL Plus | HRW | | 42.7 | 63.4 | 13.0 | 3 |
| Average | | | 40.7 | 61.1 | 10.2 | 6 |
| LSD (0.05) | | | 1.8 | 0.4 | 0.5 | 17 |
| CV (%) | | | 3.2 | 0.4 | 3.5 | |

*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: 9-30-2021

Harvest Date: 8-16-2022

Site Location: 46.1158, -118.2209

Plot Length: ~12'

Plot Width: 5'

Trial Design: 3-Replicate Alpha Lattice