

2014 WSU Variety Testing HR Spring Wheat Trial, Moses Lake

| Variety Name <i>*Hard White Italicized</i> | 5 YEAR AVERAGE (BU/A) | 3 YEAR AVERAGE (BU/A) | 2 YEAR AVERAGE (BU/A) | 2014 | | | | | |
|---|-----------------------------|-----------------------------|-----------------------------|-----------------|---------------------|----------------|-------------|--------------|----------------|
| | | | | YIELD (BU/A) | TEST WT (LBS/BU) | PROTEIN (%) | PLANT HT | HEAD DATE | LODGING (%) |
| <i>Oris</i> | 115 | 118 | 132 | 145 | 62.8 | 13.5 | 42 | 151 | 0 |
| SAS W4 | | | | 137 | 55.7 | 13.8 | 37 | 154 | 0 |
| HRS 3419 | | | | 135 | 62.7 | 13.6 | 37 | 151 | 0 |
| SAS 4B | | | | 134 | 56.9 | 13.8 | 38 | 154 | 0 |
| <i>Dayn (WA 8123)</i> | 119 | 117 | 134 | 132 | 63.2 | 14.3 | 35 | 149 | 0 |
| WA 8221 | | | | 130 | 62.0 | 14.6 | 33 | 151 | 0 |
| <i>LCS-Star (08SB0658-B)</i> | | | 119 | 130 | 62.5 | 14.2 | 31 | 149 | 0 |
| WA 8217 | | | | 129 | 62.1 | 15.0 | 38 | 150 | 0 |
| <i>IDO1202S</i> | | | 129 | 129 | 62.7 | 14.0 | 38 | 151 | 0 |
| <i>UI-Platinum (IDO694C)</i> | | | 126 | 129 | 62.4 | 14.4 | 32 | 148 | 0 |
| WA 8218 | | | | 128 | 62.3 | 14.5 | 37 | 151 | 23 |
| Jefferson | 108 | 110 | 125 | 128 | 62.8 | 14.6 | 36 | 150 | 0 |
| WA 8166 (Alum) | | 102 | 114 | 128 | 62.7 | 15.4 | 36 | 151 | 0 |
| <i>WA 8216</i> | | | | 128 | 63.0 | 14.8 | 38 | 151 | 5 |
| <i>WB-Hartline</i> | | 102 | 120 | 126 | 61.4 | 15.8 | 35 | 151 | 0 |
| <i>UC1741</i> | | | | 126 | 61.6 | 14.4 | 32 | 151 | 0 |
| 11SB0096 | | | 118 | 125 | 62.5 | 14.5 | 34 | 150 | 0 |
| Bullseye | 109 | 110 | 122 | 125 | 63.9 | 14.8 | 33 | 150 | 0 |
| 05SB84 | | | | 123 | 61.9 | 13.5 | 33 | 149 | 0 |
| <i>LCS-Atomo</i> | | | | 122 | 61.9 | 14.3 | 29 | 149 | 0 |
| Glee-G2 | | | 119 | 121 | 63.1 | 15.1 | 36 | 149 | 0 |
| WB-Fuzion | | | | 119 | 63.1 | 16.1 | 38 | 150 | 0 |
| Cabernet | 102 | 98 | 115 | 119 | 63.1 | 15.4 | 31 | 149 | 0 |
| IDO862E | | | 121 | 118 | 63.2 | 15.1 | 36 | 149 | 0 |
| Glee-0W | | | 111 | 118 | 63.2 | 14.9 | 35 | 149 | 0 |
| Glee (WA 8074) | 106 | 103 | 119 | 117 | 63.1 | 14.8 | 36 | 149 | 0 |
| <i>BR7030</i> | 105 | 100 | 113 | 116 | 64.3 | 14.6 | 36 | 151 | 0 |
| Scarlet | 96 | 97 | 109 | 116 | 61.6 | 14.5 | 39 | 150 | 8 |
| Solano | | 100 | 116 | 115 | 63.0 | 16.4 | 30 | 150 | 0 |
| WA 8165 | | 97 | 108 | 115 | 62.5 | 16.3 | 45 | 150 | 3 |
| <i>Patwin 515</i> | | 96 | 110 | 115 | 61.1 | 15.1 | 28 | 149 | 0 |
| WA 8222 | | | | 113 | 61.2 | 14.9 | 34 | 151 | 0 |
| Hollis | 99 | 98 | 107 | 113 | 60.3 | 14.8 | 45 | 149 | 0 |
| Kelse | 100 | 100 | 114 | 113 | 61.7 | 16.1 | 38 | 151 | 0 |
| <i>UC1744</i> | | | | 113 | 62.4 | 15.8 | 33 | 149 | 0 |
| WA 8220 | | | | 112 | 63.2 | 14.5 | 40 | 150 | 0 |
| WB9879CLP | | | 106 | 111 | 61.3 | 16.1 | 37 | 151 | 7 |
| SY Steelhead | | | | 110 | 63.8 | 16.0 | 35 | 150 | 0 |
| <i>UC1743</i> | | | | 110 | 62.2 | 16.3 | 29 | 150 | 0 |
| WA 8219 | | | | 110 | 62.8 | 14.5 | 39 | 150 | 0 |
| Espresso | | 99 | 113 | 110 | 62.7 | 16.0 | 33 | 150 | 0 |
| WA 8223 | | | | 108 | 63.2 | 16.1 | 41 | 151 | 0 |
| SY605 CL | | 94 | 111 | 107 | 63.2 | 17.1 | 39 | 149 | 0 |
| LCS-Buck Pronto | 101 | 101 | 112 | 106 | 61.9 | 15.7 | 35 | 150 | 0 |
| 10SB0087-B | | | | 104 | 61.3 | 14.0 | 32 | 150 | 0 |
| Svevo | | | | 102 | 61.4 | 16.5 | 33 | 148 | 0 |
| Soft Svevo | | | | 97 | 61.0 | 16.2 | 33 | 148 | 0 |
| HRS 3361 | | | | 86 | 62.4 | 15.2 | 35 | 149 | 0 |

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|---|-----------------------------|-----------------------------|-----------------------------|-----------------|---------------------|----------------|-------------|--------------|----------------|
| | | | | YIELD (BU/A) | TEST WT (LBS/BU) | PROTEIN (%) | PLANT HT | HEAD DATE | LODGING (%) |
| C.V. % | 7 | 8 | 6 | 5 | 1.1 | 2.4 | 4 | 1 | 468 |
| LSD (.10) | 4 | 5 | 5 | 7 | 0.7 | 0.4 | 1 | 1 | 5 |
| Average | 106 | 102 | 117 | 119 | 62.2 | 15.0 | 36 | 150 | 1 |
| Highest | 119 | 118 | 134 | 145 | 64.3 | 17.1 | 45 | 154 | 23 |
| Lowest | 96 | 94 | 106 | 86 | 55.7 | 13.5 | 28 | 148 | 0 |

Moses Lake Hard Spring Wheat

1. Grain yield in the 2014 Moses Lake hard spring wheat trial averaged 119 bushels/acre, 13 bushels/acre higher than the 5-year average. The Moses Lake nursery was located about eight miles southeast of Moses Lake, WA (R. Bergeson, cooperator).
2. This nursery was seeded on 14 March, 2014 following sunflower. Seed was placed at a 100#/acre seeding rate using a plot drill set on 6-inch spacing. A spring soil test indicated 221#/acre of soil available N. Spring seeding conditions and establishment were good, and good management produced high yields.
3. Yields ranged from 86 bushels/acre to 145 bushels/acre. Yield values within the LSD range of the highest yield are shown in bold and 1 of the 48 entries is in this group. The hard white variety 'Otis' was the highest yielding entry in the trial and the hard white 'Dayn' was highest yielding for the 5-year average. Minor infestation of stripe rust was found and no fungicide was applied or needed.
4. Test weights averaged 62.2 lbs/bu with a range from 55.7 to 64.3 lbs/bu. Grain protein averaged 15.0% with a range of 13.5 to 17.1. The average plant height was 36 inches with minor lodging.