

2014 WSU Variety Testing Soft White Winter Wheat Trial Summary

Precipitation Zone 16-20"

| Variety Name (Club <i>Italicized</i>) | Dayton | Mayview | Reardan | St. John | Walla Walla | Average | Yield (Bu/A) | | | | | | Test Wt (Lbs/Bu) | | | | | | Protein (%) | | | | | |
|---|--------|---------|---------|----------|-------------|---------|--------------|---------|---------|----------|-------------|---------|------------------|---------|---------|----------|-------------|---------|-------------|---------|---------|----------|-------------|---------|
| | | | | | | | Dayton | Mayview | Reardan | St. John | Walla Walla | Average | Dayton | Mayview | Reardan | St. John | Walla Walla | Average | Dayton | Mayview | Reardan | St. John | Walla Walla | Average |
| Xerpha | 62 | 40 | 83 | 110 | 161 | 91 | 60.9 | 60.4 | 58.6 | 59.6 | 60.2 | 60.0 | 11.1 | 10.1 | 12.3 | 10.2 | 11.1 | 11.0 | | | | | | |
| WA 8169 | 49 | 53 | 80 | 114 | 156 | 90 | 57.6 | 58.3 | 58.2 | 59.2 | 60.8 | 58.8 | 13.2 | 9.9 | 12.1 | 10.1 | 11.0 | 11.3 | | | | | | |
| <i>ARS-Crescent</i> | 49 | 40 | 85 | 112 | 154 | 88 | 58.4 | 58.7 | 58.9 | 59.4 | 60.9 | 59.3 | 12.3 | 9.7 | 12.2 | 10.1 | 11.0 | 11.1 | | | | | | |
| IDO1108 | 50 | 45 | 76 | 106 | 162 | 88 | 59.3 | 58.5 | 58.1 | 58.1 | 59.3 | 58.7 | 12.1 | 9.5 | 12.5 | 10.2 | 10.9 | 11.1 | | | | | | |
| <i>ARS010262-1C</i> | 49 | 44 | 80 | 111 | 151 | 87 | 59.2 | 60.4 | 59.9 | 60.7 | 60.6 | 60.2 | 12.9 | 10.0 | 12.1 | 10.6 | 11.4 | 11.4 | | | | | | |
| IDN-01-10704A | 48 | 45 | 68 | 102 | 167 | 86 | 57.3 | 58.8 | 57.6 | 59.3 | 60.5 | 58.7 | 12.6 | 9.7 | 12.0 | 10.3 | 10.9 | 11.1 | | | | | | |
| <i>ARS-Chrysal</i> | 45 | 46 | 81 | 113 | 144 | 86 | 58.6 | 60.0 | 59.2 | 60.4 | 59.4 | 59.5 | 12.6 | 10.7 | 12.4 | 10.0 | 12.0 | 11.6 | | | | | | |
| WA 8173 | 45 | 50 | 73 | 105 | 154 | 85 | 58.1 | 59.0 | 58.2 | 59.1 | 59.3 | 58.8 | 13.1 | 9.7 | 12.6 | 10.3 | 11.0 | 11.3 | | | | | | |
| Mary | 59 | 44 | 74 | 102 | 147 | 85 | 59.4 | 60.0 | 58.8 | 60.4 | 60.9 | 59.9 | 12.7 | 9.9 | 12.7 | 10.3 | 11.0 | 11.3 | | | | | | |
| Puma (WA 8134) | 52 | 46 | 67 | 109 | 152 | 85 | 58.8 | 59.9 | 58.3 | 60.2 | 60.4 | 59.5 | 13.1 | 10.5 | 13.3 | 11.0 | 10.8 | 11.7 | | | | | | |
| WA 8176 | 53 | 45 | 83 | 99 | 145 | 85 | 60.4 | 61.4 | 60.8 | 61.7 | 62.5 | 61.4 | 12.5 | 10.6 | 12.6 | 11.2 | 11.2 | 11.6 | | | | | | |
| IDN-03-29902A | 50 | 43 | 74 | 102 | 156 | 85 | 59.1 | 60.0 | 58.9 | 59.9 | 60.4 | 59.6 | 12.6 | 9.4 | 12.0 | 10.3 | 11.2 | 11.1 | | | | | | |
| <i>ARS-Selbu (ARS970161-3L)</i> | 62 | 42 | 75 | 103 | 142 | 85 | 60.0 | 61.3 | 60.2 | 61.7 | 61.4 | 60.9 | 12.8 | 10.2 | 13.1 | 10.6 | 12.0 | 11.8 | | | | | | |
| Legion | 51 | 42 | 77 | 99 | 152 | 84 | 57.9 | 59.0 | 57.9 | 59.4 | 59.5 | 58.8 | 13.7 | 9.6 | 12.0 | 10.0 | 11.5 | 11.4 | | | | | | |
| Masami | 54 | 43 | 73 | 101 | 150 | 84 | 59.0 | 59.0 | 57.7 | 57.6 | 59.8 | 58.6 | 12.7 | 9.7 | 11.9 | 9.8 | 10.3 | 10.9 | | | | | | |
| Kaseberg (OR2071628) | 46 | 45 | 69 | 105 | 155 | 84 | 58.8 | 59.4 | 57.6 | 59.6 | 59.4 | 59.0 | 12.5 | 9.8 | 12.0 | 10.0 | 10.4 | 10.9 | | | | | | |
| SY Ovation | 60 | 39 | 68 | 94 | 155 | 83 | 59.9 | 60.7 | 59.0 | 60.3 | 61.0 | 60.2 | 11.6 | 9.4 | 13.2 | 10.3 | 10.9 | 11.1 | | | | | | |
| SY 107 | 52 | 46 | 75 | 107 | 136 | 83 | 57.7 | 58.8 | 58.9 | 60.0 | 59.5 | 59.0 | 11.5 | 9.0 | 12.6 | 9.5 | 11.6 | 10.9 | | | | | | |
| Tubbs 06 | 48 | 45 | 68 | 100 | 155 | 83 | 57.9 | 59.2 | 57.3 | 59.1 | 60.3 | 58.8 | 13.2 | 9.6 | 12.6 | 9.9 | 11.0 | 11.3 | | | | | | |
| Skiles | 52 | 47 | 68 | 98 | 151 | 83 | 58.6 | 60.2 | 58.0 | 60.3 | 60.8 | 59.6 | 13.5 | 10.3 | 13.7 | 11.4 | 11.6 | 12.1 | | | | | | |
| IDN-02-29001A | 48 | 43 | 69 | 104 | 151 | 83 | 58.8 | 60.9 | 59.6 | 61.4 | 61.2 | 60.4 | 13.6 | 9.9 | 13.5 | 10.7 | 11.2 | 11.8 | | | | | | |
| WA 8205 | 59 | 40 | 74 | 94 | 147 | 83 | 61.3 | 61.0 | 60.1 | 61.4 | 62.0 | 61.2 | 12.7 | 10.4 | 12.8 | 10.6 | 11.4 | 11.6 | | | | | | |
| AP700 CL | 59 | 42 | 71 | 95 | 143 | 82 | 58.1 | 59.7 | 58.4 | 59.1 | 60.4 | 59.2 | 12.8 | 9.9 | 12.6 | 10.9 | 11.0 | 11.5 | | | | | | |
| <i>ARS-Amber</i> | 44 | 40 | 78 | 102 | 145 | 82 | 56.3 | 59.3 | 58.7 | 59.5 | 58.9 | 58.6 | 12.8 | 9.4 | 12.0 | 9.6 | 11.1 | 11.0 | | | | | | |
| IDN-02-08806A | 58 | 45 | 65 | 100 | 139 | 82 | 60.3 | 60.8 | 59.6 | 60.5 | 60.9 | 60.4 | 12.6 | 10.0 | 12.5 | 10.4 | 10.6 | 11.2 | | | | | | |
| <i>ARS010729-1L</i> | 49 | 41 | 75 | 100 | 141 | 81 | 59.8 | 61.3 | 60.4 | 61.8 | 61.6 | 61.0 | 12.8 | 9.8 | 12.7 | 10.5 | 11.6 | 11.5 | | | | | | |
| WA 8188 | 57 | 48 | 67 | 91 | 140 | 81 | 59.7 | 60.8 | 59.5 | 60.7 | 60.9 | 60.3 | 13.3 | 10.0 | 13.8 | 11.2 | 11.6 | 12.0 | | | | | | |
| <i>ORCF-102</i> | 49 | 50 | 60 | 96 | 149 | 81 | 60.2 | 60.6 | 58.7 | 60.6 | 60.8 | 60.2 | 12.5 | 10.8 | 13.2 | 10.8 | 11.2 | 11.7 | | | | | | |
| OR2080641 | 47 | 40 | 70 | 88 | 158 | 81 | 58.4 | 58.9 | 58.8 | 59.7 | 60.5 | 59.2 | 12.2 | 10.0 | 12.8 | 11.1 | 10.9 | 11.4 | | | | | | |
| <i>Coda</i> | 49 | 49 | 66 | 106 | 133 | 81 | 59.8 | 61.6 | 60.3 | 61.7 | 60.8 | 60.9 | 13.3 | 9.8 | 13.4 | 11.0 | 12.2 | 11.9 | | | | | | |
| <i>ARS010780-3C</i> | 48 | 46 | 69 | 95 | 142 | 80 | 60.3 | 59.7 | 59.0 | 60.1 | 60.4 | 59.9 | 13.6 | 9.9 | 13.0 | 11.2 | 11.7 | 11.9 | | | | | | |
| LWW12-7105 | 64 | 38 | 69 | 92 | 138 | 80 | 57.0 | 58.3 | 57.1 | 58.4 | 58.4 | 57.8 | 11.6 | 9.6 | 11.9 | 10.2 | 10.5 | 10.8 | | | | | | |
| WA 8177 | 48 | 44 | 67 | 91 | 151 | 80 | 59.7 | 60.6 | 59.0 | 60.3 | 60.6 | 60.1 | 14.0 | 10.0 | 13.7 | 11.4 | 11.5 | 12.1 | | | | | | |
| Bruneau | 53 | 40 | 73 | 91 | 143 | 80 | 59.0 | 60.3 | 59.4 | 60.4 | 61.1 | 60.0 | 12.5 | 9.6 | 12.5 | 10.6 | 11.1 | 11.3 | | | | | | |
| WB-528 | 55 | 42 | 63 | 92 | 148 | 80 | 60.0 | 61.0 | 60.2 | 61.9 | 62.1 | 61.0 | 11.9 | 10.4 | 13.6 | 10.8 | 11.4 | 11.6 | | | | | | |
| <i>Cara</i> | 46 | 32 | 76 | 100 | 146 | 80 | 56.5 | 57.9 | 57.5 | 58.4 | 59.6 | 58.0 | 12.0 | 10.0 | 12.8 | 10.0 | 11.4 | 11.2 | | | | | | |
| WA 8206 | 50 | 42 | 69 | 95 | 143 | 80 | 62.0 | 61.3 | 60.2 | 61.8 | 62.2 | 61.5 | 12.6 | 10.6 | 13.8 | 11.5 | 11.7 | 12.0 | | | | | | |
| <i>Bruehl</i> | 46 | 33 | 70 | 102 | 147 | 80 | 59.0 | 58.5 | 58.3 | 58.4 | 58.0 | 58.4 | 12.9 | 9.9 | 12.1 | 10.1 | 11.1 | 11.2 | | | | | | |
| Trifecta | 52 | 42 | 67 | 90 | 147 | 79 | 59.5 | 60.6 | 59.4 | 61.5 | 61.9 | 60.6 | 13.2 | 10.6 | 13.7 | 11.2 | 11.6 | 12.1 | | | | | | |
| Ladd (OR2070870) | 60 | 52 | 59 | 95 | 130 | 79 | 58.1 | 59.8 | 57.4 | 59.1 | 60.3 | 58.9 | 13.1 | 10.1 | 14.6 | 10.7 | 11.0 | 11.9 | | | | | | |
| WA 8187 | 47 | 43 | 68 | 87 | 150 | 79 | 60.4 | 60.7 | 59.3 | 60.9 | 61.0 | 60.5 | 12.8 | 10.3 | 13.3 | 11.2 | 11.0 | 11.7 | | | | | | |
| WB-Junction | 46 | 41 | 76 | 101 | 130 | 79 | 57.7 | 60.3 | 59.4 | 61.9 | 61.6 | 60.2 | 13.3 | 9.9 | 12.6 | 10.1 | 11.4 | 11.5 | | | | | | |
| LWW-04-4009 | 52 | 41 | 62 | 91 | 149 | 79 | 61.0 | 61.0 | 59.7 | 61.4 | 61.3 | 60.9 | 12.4 | 10.3 | 14.0 | 11.0 | 11.1 | 11.8 | | | | | | |
| WA 8204 | 47 | 45 | 57 | 98 | 147 | 79 | 58.6 | 60.5 | 59.0 | 61.0 | 61.4 | 60.1 | 13.2 | 9.9 | 13.7 | 10.9 | 12.0 | 12.0 | | | | | | |
| WA 8203 | 43 | 40 | 68 | 102 | 140 | 79 | 58.8 | 59.3 | 58.0 | 59.8 | 59.3 | 59.0 | 13.0 | 10.5 | 12.5 | 9.9 | 11.4 | 11.5 | | | | | | |
| Eltan | 47 | 33 | 82 | 103 | 124 | 78 | 60.3 | 60.4 | 59.4 | 60.6 | 59.8 | 60.1 | 13.3 | 10.0 | 11.6 | 9.8 | 11.5 | 11.2 | | | | | | |
| Stephens | 42 | 43 | 69 | 92 | 143 | 78 | 57.1 | 58.6 | 58.1 | 60.2 | 60.2 | 58.8 | 13.8 | 10.3 | 12.5 | 10.2 | 11.5 | 11.7 | | | | | | |
| Madsen | 51 | 43 | 65 | 89 | 139 | 77 | 59.3 | 60.2 | 58.7 | 59.8 | 60.6 | 59.7 | 12.9 | 10.7 | 13.1 | 11.2 | 11.5 | 11.9 | | | | | | |
| <i>ORCF-103</i> | 55 | 36 | 71 | 100 | 122 | 77 | 60.1 | 59.8 | 58.8 | 59.3 | 60.4 | 59.7 | 12.2 | 10.7 | 12.3 | 10.4 | 11.4 | 11.4 | | | | | | |
| <i>LCS-Ardeco (NSA06-2153A)</i> | 48 | 48 | 57 | 86 | 144 | 77 | 56.2 | 58.2 | 55.7 | 59.0 | 59.9 | 57.8 | 12.5 | 8.9 | 12.8 | 9.6 | 10.4 | 10.9 | | | | | | |
| <i>OR2071071 (Rosalyn)</i> | 57 | 47 | 67 | 86 | 125 | 76 | 58.4 | 57.6 | 57.3 | 57.3 | 57.7 | 57.7 | 11.3 | 9.4 | 12.2 | 10.7 | 10.9 | 10.9 | | | | | | |
| <i>OR2090473</i> | 53 | 49 | 71 | 96 | 113 | 76 | 58.5 | 58.5 | 57.5 | 58.0 | 59.2 | 58.3 | 12.7 | 9.1 | 12.4 | 10.3 | 10.9 | 11.1 | | | | | | |
| WB 523 | 48 | 39 | 70 | 85 | 139 | 76 | 60.2 | 60.4 | 59.1 | 61.1 | 61.5 | 60.5 | 13.2 | 10.7 | 12.9 | 11.3 | 11.4 | 11.9 | | | | | | |
| WA 8212 | 56 | 41 | 62 | 85 | 133 | 76 | 59.6 | 60.5 | 58.9 | 60.2 | 60.6 | 60.0 | 13.5 | 10.6 | 13.9 | 11.9 | 11.7 | 12.3 | | | | | | |
| Bobtail (OR0807P94) | 50 | 51 | 75 | 105 | 96 | 76 | 57.9 | 58.0 | 56.6 | 57.4 | 59.2 | 57.8 | 12.0 | 9.2 | 11.4 | 9.4 | 10.6 | 10.5 | | | | | | |
| Otto | 42 | 37 | 77 | 96 | 126 | 75 | 59.7 | 59.8 | 58.7 | 59.9 | 60.2 | 59.7 | 13.6 | 10.6 | 12.6 | 10.7 | 11.8 | 11.9 | | | | | | |
| WB 456 | 49 | 40 | 59 | 91 | 133 | 74 | 58.7 | 60.5 | 59.6 | 62.2 | 62.6 | 60.7 | 13.9 | 11.5 | 13.5 | 11.8 | 12.0 | 12.6 | | | | | | |
| WB-1070CL | 47 | 43 | 48 | 81 | 144 | 73 | 60.8 | 61.9 | 60.0 | 62.7 | 63.0 | 61.7 | 12.7 | 10.4 | 15.1 | 11.6 | 11.9 | 12.3 | | | | | | |
| <i>LCS-Biancor</i> | 57 | 38 | 59 | 84 | 120 | 71 | 58.5 | 58.8 | 57.5 | 58.5 | 59.1 | 58.5 | 11.9 | 9.6 | 12.0 | 10.2 | 11.2 | 11.0 | | | | | | |
| IDN-04-00405B | 46 | 38 | 77 | 108 | 82 | 70 | 58.4 | 58.8 | 58.3 | 59.8 | 58.9 | 58.9 | 13.7 | 10.3 | 12.3 | 10.1 | 11.9 | 11.7 | | | | | | |
| C.V. % | 11 | 8 | 8 | 5 | 10 | 9 | 1.2 | 0.6 | 0.6 | 0.6 | 0.9 | 0.8 | 6.8 | 5.6 | 3.9 | 3.8 | 3.8 | 5.0 | | | | | | |
| LSD (0.10) | 6 | 4 | 6 | 5 | 15 | 4 | 0.8 | 0.4 | 0.4 | 0.4 | 0.6 | 0.2 | 0.9 | 0.6 | 0.5 | 0.4 | 0.5 | 0.3 | | | | | | |
| Average | 51 | 43 | 70 | 98 | 142 | 81 | 59.0 | 59.8 | 58.7 | 60.1 | 60.5 | 59.6 | 12.8 | 10.0 | 12.8 | 10.6 | 11.3 | 11.5 | | | | | | |
| Highest | 64 | 53 | 85 | 114 | 167 | 91 | 62.0 | 61.9 | 60.8 | 62.7 | 63.0 | 61.7 | 14.0 | 11.5 | 15.1 | 11.9 | 12.2 | 12.6 | | | | | | |
| Lowest | 42 | 32 | 48 | 81 | 82 | 70 | 56.2 | 57.6 | 55.7 | 57.3 | 57.7 | 57.7 | 11.1 | 8.9 | 11.4 | 9.4 | 10.3 | 10.5 | | | | | | |

2014 WSU Soft White Winter Wheat Trial Summary

Precipitation Zone 16-20" – Preliminary Data

1. Soft white winter wheat grain yield across five locations and 60 entries in the 16-20" precipitation zone averaged 81 bushels/acre, thirty bushels/acre lower than the 2013 average of 111 bushels/acre and the 2012 average of 110 bushels/acre. The lower yields in 2014 likely are due to lower available water during the growing season. The CV for the average data was 9 and equivalent to the 2013 CV value. In general the 2013 trials had good fall establishment, no stripe rust impact, but overwinter stand loss occurred at some locations on sensitive entries as noted on individual site results.
2. Yields among entries averaged across locations ranged from 70 to 91 bushels/acre and reflected a growing season with water availability influencing yields. 'Xerpha' and 'ARS-Crescent' were the highest yielding named varieties averaged across locations and are within a 10% LSD range (4 bushels/acre) of each other.
3. Test weight averaged 59.6 lbs./bu across locations and entries and was similar to last year's 59.4 lbs./bu average. Grain protein averaged 11.5% and was higher than last year's 10.9% average.