

2017 WSU Variety Testing SW Winter Wheat Trial, Ritzville

| Variety Name <i>Club Italicized</i> | 2017 | | | | | 2 Year* | 3 Year** | 5 Year*** |
|--|-----------------|---------------------|----------------|-------------|--------------|-------------------|-------------------|-------------------|
| | YIELD (BU/A) | TEST WT (LBS/BU) | PROTEIN (%) | PLANT HT | HEAD DATE | AVERAGE (BU/A) | AVERAGE (BU/A) | AVERAGE (BU/A) |
| RELEASED VARIETIES | | | | | | | | |
| SY Banks (SY 09PN005#25) | 92 | 60.2 | 9.3 | 37 | 149 | | | |
| Norwest Duet (LOR-092) | 91 | 60.1 | 9.0 | 43 | 153 | 65 | | |
| WB1529 | 91 | 62.6 | 10.6 | 35 | 146 | 62 | | |
| <i>Pritchett (4J0713366C)</i> | 88 | 60.3 | 9.5 | 39 | 153 | 63 | 61 | |
| <i>Coda</i> | 87 | 62.0 | 10.2 | 39 | 154 | 61 | 57 | 57 |
| WB1376CLP | 86 | 61.7 | 10.8 | 37 | 144 | | | |
| SY 107 | 85 | 59.6 | 9.2 | 37 | 148 | 63 | | |
| Legion | 85 | 59.8 | 8.5 | 39 | 147 | | | |
| Xerpha | 85 | 60.2 | 9.1 | 39 | 152 | 62 | 59 | 64 |
| Norwest Tandem (LOR-334) | 85 | 59.4 | 9.4 | 34 | 146 | | | |
| Puma | 85 | 60.4 | 9.3 | 38 | 148 | 62 | 59 | 60 |
| ORCF-102 | 84 | 61.8 | 9.4 | 38 | 148 | 60 | 56 | 61 |
| WB1604 | 84 | 61.6 | 9.7 | 37 | 143 | | | |
| UI Castle CL+ | 82 | 60.3 | 10.4 | 36 | 153 | | | |
| Jasper | 82 | 58.2 | 9.3 | 37 | 149 | 61 | 59 | |
| Otto | 82 | 58.8 | 10.8 | 40 | 157 | 60 | 59 | 62 |
| UI Sparrow (IDO1108DH) | 81 | 59.5 | 9.2 | 40 | 154 | | | |
| Masami | 80 | 58.1 | 9.7 | 37 | 155 | 61 | 61 | 62 |
| <i>Bruehl</i> | 80 | 57.3 | 10.0 | 38 | 156 | 60 | 57 | 59 |
| Mela CL+ | 80 | 59.0 | 9.4 | 40 | 155 | 59 | 57 | 58 |
| WB1783 | 80 | 62.2 | 10.0 | 39 | 147 | | | |
| UI Magic CL+ | 80 | 60.5 | 9.9 | 32 | 148 | | | |
| SY Command (SY 04PN066-7) | 80 | 58.6 | 9.5 | 35 | 147 | | | |
| <i>ARS-Crescent</i> | 79 | 59.2 | 9.2 | 38 | 155 | 58 | 56 | 57 |
| Mary | 79 | 59.1 | 10.8 | 35 | 146 | | | |
| Curiosity CL+ | 79 | 59.4 | 9.1 | 41 | 157 | 57 | 58 | 57 |
| WB1843 | 78 | 59.7 | 10.3 | 34 | 151 | | | |
| Eltan | 70 | 57.2 | 9.3 | 39 | 157 | 55 | 57 | 59 |
| ORCF-103 | 68 | 58.8 | 9.4 | 35 | 157 | 54 | 54 | 56 |
| EXPERIMENTAL LINES | | | | | | | | |
| KXB-01 | 97 | 58.2 | 10.2 | 39 | 154 | 69 | | |
| LWW14-73163 | 93 | 58.1 | 9.6 | 41 | 146 | | | |
| <i>ARS20060123-31C</i> | 90 | 60.7 | 8.6 | 40 | 146 | 66 | | |
| IDN 07-28017B | 89 | 60.6 | 9.5 | 36 | 146 | | | |
| LWW14-73161 | 89 | 58.8 | 9.4 | 38 | 147 | | | |
| KWS 145 | 86 | 61.6 | 10.4 | 36 | 148 | | | |
| IDN 06-03303B | 86 | 59.8 | 8.8 | 36 | 147 | | | |
| WA 8226 | 86 | 60.3 | 9.4 | 39 | 149 | 63 | | |
| WA 8271 | 85 | 60.6 | 9.6 | 38 | 156 | | | |
| WA 8270 | 85 | 58.1 | 9.7 | 38 | 154 | | | |
| WA 8276 | 85 | 58.2 | 8.4 | 33 | 156 | | | |
| IDN 09-15702A | 85 | 61.3 | 10.5 | 37 | 147 | | | |
| OR2121086 | 84 | 60.3 | 9.1 | 36 | 147 | | | |
| WA 8227 | 82 | 57.8 | 9.4 | 40 | 158 | 58 | | |

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|--|-----------------|---------------------|----------------|-------------|--------------|-------------------|-------------------|-------------------|
| | YIELD (BU/A) | TEST WT (LBS/BU) | PROTEIN (%) | PLANT HT | HEAD DATE | AVERAGE (BU/A) | AVERAGE (BU/A) | AVERAGE (BU/A) |
| <i>ARSDH08028-111C</i> | 79 | 60.4 | 9.6 | 38 | 150 | | | |
| XA1101 CL+ | 74 | 60.4 | 10.8 | 35 | 145 | | | |
| ORI2150031 CL+ | 70 | 60.2 | 10.4 | 34 | 154 | | | |
| XA1401 CL+ | 61 | 62.0 | 11.9 | 35 | 149 | | | |
| LWW14-74143 | 37 | 58.0 | 11.2 | 28 | 146 | | | |
| C.V. % | 7 | 2 | 8 | 4 | 2 | 7 | 7 | 8 |
| LSD (0.05) | 8 | 1.2 | 1.1 | 2 | 3 | 5 | 4 | 3 |
| Average | 82 | 59.8 | 9.7 | 37 | 150 | 61 | 58 | 60 |
| Highest | 97 | 62.6 | 11.9 | 43 | 158 | 69 | 69 | 64 |
| Lowest | 37 | 57.2 | 8.4 | 28 | 143 | 54 | 54 | 56 |

Agronomic Information

| | |
|---|-----------|
| Planting Date: | 9/9/2016 |
| Harvest Date: | 7/28/2017 |
| Seeding Rate (seeds/ft ²): | 12 |
| Previous Crop: | Fallow |
| Spring soil test: | |
| N (lb/ac) 4-ft sample | 165 |
| P (ppm-bicarb) 2-ft sample | 96 |
| S (lb/ac) 4-ft sample | 15 |
| pH (top 6 inches) | 5.6 |
| Herbicide: | |
| PowerFlex, Huskie, Tilt applied on 4/19; Priaxor applied on 5/26. | |

Trial Notes:

1. The Ritzville nursery was located about 5 miles west of Ritzville, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. Preplant fertilizer applied was 50#N and 7#S.
3. This nursery looked good all year and produced very uniform results.
4. Even with the second fungicide application, there was still active rust on some susceptible entries that likely limited yield potential.

Cooperator: R. Jirava

* 2-year average from 2017 & 2015

** 3-year average from 2017, 2015, 2014

*** 5-year average from 2017, 2015, 2014, 2013, 2012