

2013 WSU Variety Testing SW Winter Wheat Trial, Harrington

| Variety Name <i>*Club Italicized</i> | 5 YEAR AVERAGE (BU/A) | 3 YEAR AVERAGE (BU/A) | 2 YEAR AVERAGE (BU/A) | 2013 | | | |
|-----------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------|---------------------|----------------|-------------|
| | | | | YIELD (BU/A) | TEST WT (LBS/BU) | PROTEIN (%) | PLANT HT |
| <i>ARS-Crescent</i> | -- | 79 | 88 | 94 | 62.0 | 9.5 | 35 |
| WA 8143 | -- | 79 | 85 | 93 | 61.0 | 10.6 | 38 |
| Bobtail (OR0807P94) | -- | | 84 | 91 | 58.3 | 10.0 | 34 |
| ARS-Selbu (ARS970161-3L) | -- | 83 | 90 | 91 | 62.7 | 10.8 | 36 |
| JC1108 | -- | | | 90 | 59.6 | 10.5 | 38 |
| <i>Bruehl</i> | -- | 81 | 87 | 90 | 59.0 | 10.7 | 37 |
| <i>4J071246-1C</i> | -- | | | 90 | 59.0 | 9.2 | 38 |
| <i>ARS98X402-1C</i> | -- | | | 89 | 60.6 | 10.3 | 34 |
| WA 8169 | -- | | | 88 | 60.5 | 11.0 | 35 |
| Masami | -- | 76 | 85 | 87 | 61.5 | 9.6 | 37 |
| OR2080924 | -- | | | 85 | 58.1 | 11.6 | 35 |
| <i>ARS-Chrysal</i> | -- | 79 | 83 | 85 | 61.2 | 11.0 | 36 |
| LWW10-1018 | -- | | | 84 | 59.4 | 10.3 | 35 |
| Otto | -- | 78 | 87 | 84 | 60.3 | 11.2 | 35 |
| <i>ARS97230-6C</i> | -- | | | 84 | 61.0 | 9.9 | 32 |
| <i>ARS010780-3C</i> | -- | | 80 | 84 | 60.9 | 11.1 | 35 |
| Mary | -- | 75 | 81 | 84 | 61.1 | 11.1 | 35 |
| <i>Coda</i> | -- | 74 | 80 | 83 | 61.6 | 11.5 | 37 |
| ARS010729-1L | -- | | | 83 | 63.1 | 10.6 | 34 |
| Eltan | -- | 76 | 83 | 83 | 61.3 | 9.8 | 37 |
| WA 8151 | -- | | 83 | 83 | 61.8 | 11.3 | 34 |
| WA 8170 | -- | | | 82 | 61.3 | 11.0 | 36 |
| WA 8153 | -- | | 81 | 82 | 61.6 | 10.6 | 39 |
| Xerpha | -- | 78 | 85 | 82 | 60.9 | 9.5 | 36 |
| Skiles | -- | 78 | 81 | 82 | 60.3 | 12.0 | 34 |
| WA 8152 | -- | | 81 | 81 | 61.0 | 11.2 | 39 |
| 99-06202A | -- | | | 81 | 61.2 | 10.0 | 34 |
| OR2071071 (Rosalyn) | -- | | 82 | 81 | 58.3 | 10.3 | 33 |
| Tubbs 06 | -- | 74 | 83 | 80 | 60.9 | 10.0 | 38 |
| WA 8155 | -- | | 79 | 80 | 62.2 | 9.8 | 36 |
| WA 8171 | -- | | | 80 | 61.3 | 10.8 | 39 |
| Eltan/Tubbs 06 | -- | 75 | 81 | 80 | 60.4 | 9.9 | 37 |
| LWW-04-4009 | -- | | 79 | 80 | 61.8 | 10.4 | 33 |
| WB-528 | -- | 74 | 79 | 78 | 61.4 | 11.6 | 35 |
| Kaseberg (OR2071628) | -- | 76 | 82 | 78 | 60.2 | 10.4 | 34 |
| Stephens | -- | 70 | 76 | 77 | 59.5 | 10.9 | 34 |
| ARS-Amber | -- | 74 | 79 | 77 | 60.1 | 10.7 | 36 |
| <i>ARS010746-2C</i> | -- | | | 77 | 59.7 | 11.2 | 29 |
| <i>ARS990077-1C</i> | -- | | 75 | 77 | 60.7 | 10.7 | 32 |
| 03-29902A | -- | | | 77 | 61.1 | 10.8 | 33 |
| Puma (WA 8134) | -- | 73 | 77 | 77 | 60.7 | 11.5 | 37 |
| ORCF-103 | -- | 72 | 80 | 75 | 60.2 | 10.2 | 35 |
| <i>Cara</i> | -- | 72 | 75 | 75 | 59.7 | 10.5 | 32 |
| WB-Junction | -- | | | 75 | 61.8 | 11.3 | 33 |
| 02-10606A | -- | | | 72 | 60.7 | 12.0 | 33 |
| Madsen | -- | 72 | 74 | 71 | 61.4 | 11.2 | 36 |
| Trifecta | -- | | | 71 | 60.9 | 11.4 | 34 |

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|-----------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------|---------------------|----------------|-------------|
| | | | | YIELD (BU/A) | TEST WT (LBS/BU) | PROTEIN (%) | PLANT HT |
| C.V. % | -- | 8 | 8 | 8 | 1.5 | 7.0 | 5 |
| LSD (.10) | -- | 4 | 5 | 7 | 1.0 | 0.8 | 2 |
| Average | -- | 76 | 81 | 82 | 60.7 | 10.7 | 35 |
| Highest | -- | 83 | 90 | 94 | 63.1 | 12.0 | 39 |
| Lowest | -- | 70 | 74 | 71 | 58.1 | 9.2 | 29 |

Harrington Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2013 Harrington soft white winter wheat trial averaged 82 bushels/acre, six bushels/acre higher than the 3-year average for this location. The Harrington nursery was located about 5 miles southwest of the town of Harrington, WA (M. Cramer, Cooperator).
2. This nursery was seeded on 11 September, 2012 following fallow. Seed was placed at a 50#/acre seeding rate using a deep-furrow plot drill set on 15-inch spacing. Base fertilizer was 60#N/acre pre-plant applied. Fall seeding conditions produced good emergence and stand establishment.
3. Yields ranged from 71 to 94 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 11 of the 47 entries in this trial. The recently released WSU-ARS club variety `ARS-Crescent' was the highest yielding named entry in the trial and the recently released WSU-ARS common variety `ARS-Selbu' was highest yielding in the 3-year average (there is not a 5-year average at this site). It is probable that some plants at this site experienced damaging frost. There was a low amount of stripe rust potential at this location and no fungicide was applied.
4. Test weights averaged 60.7 lbs./bu and ranged from 58.1 to 63.1 lbs./bu. Grain protein averaged 10.7% with a range of 9.2 to 12.0%. Plant height averaged 35 inches and there was no lodging.