

## 2011 WSU Variety Testing SW Winter Wheat Trial, Mayview

| Variety Name<br><small>*Club Italized</small> | 5 YEAR<br>AVERAGE<br>(BU/A) | 3 YEAR<br>AVERAGE<br>(BU/A) | 2 YEAR<br>AVERAGE<br>(BU/A) | 2011            |                     |                |             |              |
|---|-----------------------------|-----------------------------|-----------------------------|-----------------|---------------------|----------------|-------------|--------------|
|   |                             |                             |                             | YIELD<br>(BU/A) | TEST WT<br>(LBS/BU) | PROTEIN<br>(%) | PLANT<br>HT | HEAD<br>DATE |
| Bruneau                                       | 112                         | 114                         | 126                         | 153             | 61.9                | 10.3           | 40          | 171          |
| WA 8116                                       |                             |                             | 133                         | 153             | 61.3                | 10.0           | 38          | 174          |
| WA 8092                                       |                             | 110                         | 125                         | 151             | 58.6                | 10.2           | 40          | 176          |
| ARS960277L (ARS-Amber)                        |                             |                             | 126                         | 149             | 60.8                | 9.8            | 39          | 172          |
| Skiles  |                             | 114                         | 122                         | 148             | 62.5                | 10.4           | 37          | 172          |
| Bruehl  | 109                         | 107                         | 116                         | 147             | 59.2                | 10.3           | 41          | 174          |
| ARS970075-3C                                  |                             |                             | 125                         | 145             | 61.1                | 9.9            | 41          | 170          |
| Legion  |                             | 116                         | 124                         | 145             | 59.9                | 10.8           | 41          | 170          |
| WA 8143                                       |                             |                             |                             | 145             | 60.8                | 10.5           | 40          | 175          |
| WA 8134                                       |                             |                             |                             | 143             | 60.6                | 10.2           | 43          | 170          |
| ARS970161-3L                                  |                             |                             |                             | 143             | 62.0                | 10.6           | 40          | 173          |
| Xerpha  | 113                         | 114                         | 119                         | 142             | 61.7                | 10.3           | 40          | 174          |
| Bitterroot                                    | 103                         | 104                         | 116                         | 142             | 61.9                | 10.1           | 41          | 172          |
| BZ6W02-616                                    |                             | 104                         | 119                         | 142             | 62.8                | 10.1           | 37          | 166          |
| Cara  |                             | 115                         | 128                         | 141             | 59.6                | 10.1           | 39          | 174          |
| WA 8136                                       |                             |                             |                             | 141             | 59.3                | 9.9            | 37          | 174          |
| SY Ovation                                    |                             |                             |                             | 141             | 61.4                | 9.8            | 39          | 169          |
| Eltan   | 102                         | 101                         | 107                         | 140             | 61.0                | 10.2           | 41          | 176          |
| Cara +25%                                     |                             |                             | 129                         | 140             | 59.9                | 9.7            | 38          | 172          |
| ARS97230-6C                                   |                             |                             |                             | 140             | 61.2                | 9.6            | 37          | 170          |
| OR2070385                                     |                             |                             |                             | 140             | 61.3                | 10.5           | 39          | 171          |
| WA 8144                                       |                             |                             |                             | 139             | 61.5                | 10.2           | 45          | 175          |
| NSA06-2153A                                   |                             |                             |                             | 139             | 60.5                | 10.1           | 37          | 166          |
| ORCF-102                                      | 111                         | 111                         | 123                         | 138             | 61.5                | 10.0           | 41          | 170          |
| Rod/WB-528                                    |                             |                             |                             | 138             | 61.6                | 10.3           | 38          | 167          |
| Madsen  | 106                         | 111                         | 121                         | 137             | 61.5                | 11.0           | 40          | 173          |
| IDO663  |                             |                             |                             | 137             | 62.1                | 10.3           | 38          | 166          |
| WB-528  | 110                         | 109                         | 119                         | 136             | 62.9                | 10.7           | 40          | 166          |
| OR2071628                                     |                             |                             |                             | 136             | 59.9                | 9.7            | 39          | 169          |
| Coda  | 106                         | 109                         | 122                         | 135             | 62.9                | 10.3           | 42          | 173          |
| Rod   | 111                         | 110                         | 117                         | 135             | 59.7                | 9.4            | 38          | 173          |
| AP Badger                                     |                             |                             |                             | 135             | 59.5                | 10.1           | 35          | 169          |
| Finch   | 107                         | 108                         | 115                         | 134             | 62.1                | 10.2           | 40          | 173          |
| ORCF-103                                      | 108                         | 109                         | 116                         | 134             | 60.7                | 10.2           | 40          | 176          |
| OR2040726 (Mary)                              |                             | 108                         | 117                         | 134             | 61.5                | 10.1           | 38          | 168          |
| Goetze/Skiles                                 |                             |                             | 116                         | 134             | 61.3                | 11.1           | 37          | 167          |
| 03PN107#3                                     |                             |                             |                             | 134             | 61.4                | 9.9            | 39          | 169          |
| Madsen/Rod                                    | 108                         | 110                         | 120                         | 133             | 60.5                | 10.6           | 39          | 175          |
| Eltan/Tubbs 06                                |                             | 106                         | 111                         | 133             | 59.8                | 10.1           | 41          | 171          |
| ID00-475-2DH                                  |                             |                             | 112                         | 133             | 62.0                | 10.2           | 39          | 175          |
| ARS98X402-1C                                  |                             |                             |                             | 133             | 60.8                | 9.2            | 39          | 174          |
| Chukar +25%                                   |                             |                             | 125                         | 132             | 59.7                | 9.9            | 40          | 173          |
| Chukar  |                             | 118                         | 127                         | 131             | 60.0                | 10.1           | 40          | 174          |
| WA 8145                                       |                             |                             |                             | 131             | 60.8                | 10.4           | 40          | 167          |
| AP 700 CL                                     | 102                         | 103                         | 113                         | 130             | 61.5                | 10.6           | 40          | 168          |
| Rod/Tubbs 06                                  |                             | 110                         | 116                         | 130             | 59.8                | 9.7            | 40          | 171          |

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|---|-----------------------------|-----------------------------|-----------------------------|-----------------|---------------------|----------------|-------------|--------------|
|   |                             |                             |                             | YIELD<br>(BU/A) | TEST WT<br>(LBS/BU) | PROTEIN<br>(%) | PLANT<br>HT | HEAD<br>DATE |
| WA 8094                                       |                             | 98                          | 106                         | 130             | 60.9                | 10.8           | 42          | 176          |
| WA 8114                                       |                             |                             | 104                         | 129             | <b>62.2</b>         | 10.1           | 39          | 167          |
| ARS970163-4C                                  |                             |                             | 123                         | 129             | 60.5                | 9.7            | 40          | 175          |
| Tubbs 06                                      | 108                         | 107                         | 115                         | 127             | 59.9                | 9.4            | 41          | 170          |
| Brundage 96                                   | 105                         | 106                         | 116                         | 126             | 60.7                | 9.8            | 39          | 168          |
| 96-16702A                                     |                             |                             |                             | 126             | <b>62.7</b>         | 9.9            | 41          | 168          |
| Stephens                                      | 103                         | 103                         | 106                         | 125             | 61.4                | 10.6           | 38          | 166          |
| Sunrise (Soft Red)                            |                             |                             | 99                          | 124             | 60.8                | 10.0           | 42          | 169          |
| WA 8135                                       |                             |                             |                             | 124             | <b>62.7</b>         | 10.8           | 40          | 174          |
| Masami  | 108                         | 107                         | 114                         | 123             | 59.4                | 10.1           | 39          | 173          |
| WA 8142                                       |                             |                             |                             | 123             | <b>62.3</b>         | 10.6           | 39          | 168          |
| UICF-Brundage                                 | 102                         | 103                         | 110                         | 120             | 60.8                | 9.8            | 39          | 170          |
| Lambert                                       | 99                          | 96                          | 104                         | 119             | 59.7                | 10.7           | 41          | 168          |
| AP Legacy                                     |                             | 99                          | 101                         | 109             | 57.6                | 9.3            | 42          | 171          |
| C.V.  | 11                          | 9                           | 7                           | 4               | 0.8                 | 4.3            | 3           | 1            |
| LSD   | 6                           | 8                           | 10                          | 11              | 1.0                 | 0.8            | 2           | 3            |
| Average                                       | 107                         | 108                         | 117                         | 135             | 60.9                | 10.2           | 40          | 171          |
| Highest                                       | 113                         | 118                         | 133                         | 153             | 62.9                | 11.1           | 45          | 176          |
| Lowest  | 99                          | 96                          | 99                          | 109             | 57.6                | 9.2            | 35          | 166          |

### Mayview Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Mayview soft white winter wheat trial averaged 135 bushels/acre, 28 bushels/acre more than the 5-year average. The Mayview nursery was located about five miles south of Lower Granite Dam on the Snake River, or 12 miles northeast of Pomeroy, WA (R. & R. Koller, cooperators).
2. This nursery was seeded on 12 October, 2010 following summer fallow. Seed was placed at an 85#/acre seeding rate using a double disc plot drill set on 6-inch spacing. Base fertilizer was 89#N. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 109 to 153 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Bruneau was the highest yielding cultivar in the trial, and 14 of the 60 entries in the trial were within the top LSD range. Xerpha was the top yielding entry across five years of results at this location. Stripe rust potential was high at this location and fungicide was applied the second week in May. Stripe rust was evident in this trial later in the season and impact on yield is estimated to be 10% or more for susceptible entries. The Lattice design was 142% efficient compared to an RCBD.
4. Test weights were good with an average of 60.9 lb/bu. Grain protein averaged 10.2% with a range of 9.2 to 11.1%. Plant height averaged 40 inches with no lodging.