

2015 WSU Variety Testing SW Winter Wheat Trial, Dayton

| Variety Name<br><i>Club Italicized</i> | 2015            |                     |                |             |              | 2 Year            | 3 Year            | 5 Year            |
|--|-----------------|---------------------|----------------|-------------|--------------|-------------------|-------------------|-------------------|
|  | YIELD<br>(BU/A) | TEST WT<br>(LBS/BU) | PROTEIN<br>(%) | PLANT<br>HT | HEAD<br>DATE | AVERAGE<br>(BU/A) | AVERAGE<br>(BU/A) | AVERAGE<br>(BU/A) |
| <b>RELEASED VARIETIES</b>              |                 |                     |                |             |              |                   |                   |                   |
| WB-Junction                            | 91              | 60.0                | 11.3           | 40          | 138          | 69                | 86                |                   |
| Mary                                   | 89              | 56.7                | 12.7           | 37          | 139          | 74                | 94                | 117               |
| LCS-Artdeco                            | 89              | 56.7                | 12.1           | 36          | 137          | 69                | 90                | 121               |
| WB-1070CL                              | 88              | 62.1                | 12.2           | 37          | 137          | 67                | 88                |                   |
| Puma                                   | 88              | 56.3                | 10.3           | 42          | 143          | 70                | 90                | 112               |
| Xerpha                                 | 87              | 55.4                | 13.2           | 42          | 146          | 75                | 92                | 112               |
| ARS-Selbu                              | 87              | 57.3                | 12.2           | 40          | 143          | 75                | 91                | 117               |
| <i>Cara</i>                            | 87              | 53.0                | 13.1           | 39          | 146          | 66                | 87                | 114               |
| Rosalyn                                | 86              | 54.0                | 12.4           | 37          | 143          | 72                | 93                |                   |
| ORCF-103                               | 85              | 55.3                | 12.0           | 37          | 145          | 70                | 85                | 104               |
| Jasper (WA 8169)                       | 83              | 53.8                | 12.3           | 40          | 144          | 66                |                   |                   |
| SY Ovation                             | 82              | 57.6                | 12.6           | 38          | 145          | 71                | 92                |                   |
| WB-528                                 | 82              | 57.8                | 12.3           | 39          | 140          | 68                | 90                | 115               |
| WB1529                                 | 81              | 60.7                | 11.7           | 36          | 139          |                   |                   |                   |
| WB 456                                 | 81              | 59.2                | 12.5           | 38          | 138          | 65                | 82                |                   |
| Masami                                 | 79              | 53.7                | 12.3           | 39          | 146          | 67                | 83                | 102               |
| Skiles                                 | 78              | 56.8                | 12.5           | 36          | 142          | 65                | 83                | 112               |
| WB 523                                 | 77              | 57.6                | 13.0           | 39          | 143          | 62                | 81                |                   |
| <i>ARS-Crescent</i>                    | 76              | 55.9                | 11.2           | 39          | 145          | 62                | 83                | 108               |
| Legion                                 | 75              | 53.8                | 12.1           | 41          | 144          | 63                | 85                |                   |
| Eltan                                  | 75              | 55.8                | 12.9           | 39          | 147          | 61                | 80                | 96                |
| Otto                                   | 75              | 55.6                | 12.6           | 40          | 147          | 58                |                   |                   |
| Madsen                                 | 74              | 56.0                | 13.7           | 38          | 145          | 62                | 79                | 107               |
| ORCF-102                               | 74              | 58.0                | 13.3           | 39          | 142          | 62                |                   |                   |
| MelaCL+ (WA 8155)                      | 74              | 55.5                | 12.3           | 39          | 147          |                   |                   |                   |
| SY 107                                 | 74              | 53.7                | 13.3           | 39          | 141          | 63                |                   |                   |
| Bobtail                                | 73              | 53.3                | 12.7           | 36          | 144          | 61                | 83                |                   |
| UI-WSU Huffman (IDN-03-29902A)         | 73              | 55.1                | 12.4           | 37          | 145          | 61                | 82                |                   |
| Stephens                               | 72              | 54.2                | 13.6           | 38          | 140          | 57                | 78                | 106               |
| <i>ARS-Chrysal</i>                     | 71              | 53.0                | 12.9           | 38          | 143          | 58                | 77                | 104               |
| AP700 CL                               | 70              | 54.6                | 13.1           | 40          | 140          | 65                | 81                |                   |
| <i>Coda</i>                            | 70              | 57.0                | 13.3           | 40          | 145          | 60                | 81                | 101               |
| WB 1604                                | 70              | 54.7                | 13.3           | 38          | 138          |                   |                   |                   |
| Kaseberg                               | 69              | 54.7                | 12.8           | 35          | 140          | 58                | 80                | 105               |
| <i>Bruehl</i>                          | 67              | 51.5                | 13.5           | 38          | 147          | 57                | 80                | 107               |
| CuriosityCL+ (WA 8143)                 | 67              | 55.1                | 13.5           | 40          | 147          |                   |                   |                   |
| <b>EXPERIMENTAL LINES</b>              |                 |                     |                |             |              |                   |                   |                   |
| <i>ARS010669-2C</i>                    | 84              | 56.6                | 11.5           | 37          | 139          |                   |                   |                   |
| WA 8206                                | 84              | 59.1                | 11.4           | 40          | 141          | 67                |                   |                   |
| IDN-06-18102A                          | 82              | 55.3                | 11.9           | 37          | 143          |                   |                   |                   |
| OR2090473                              | 82              | 54.3                | 12.7           | 36          | 140          | 68                |                   |                   |
| WA 8233                                | 82              | 54.9                | 13.0           | 39          | 143          |                   |                   |                   |
| <i>ARS20060123-31C</i>                 | 82              | 57.7                | 12.0           | 40          | 141          |                   |                   |                   |
| WA 8232                                | 82              | 56.6                | 12.7           | 40          | 145          |                   |                   |                   |

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| <b>WA 8177</b>                         | 81              | 55.1                | 12.5           | 36          | 145          | 64                |                   |                   |
| <i>ARS010263-10-3C</i>                 | 80              | 57.6                | 11.9           | 37          | 145          |                   |                   |                   |
| <b>WA 8234</b>                         | 79              | 57.2                | 12.1           | 40          | 142          |                   |                   |                   |
| <i>4J0713366C</i>                      | 78              | 53.9                | 12.6           | 39          | 146          |                   |                   |                   |
| <b>LWW12-7105</b>                      | 77              | 53.6                | 12.0           | 30          | 138          | 70                |                   |                   |
| <i>ARS20060126-35C</i>                 | 76              | 57.2                | 11.5           | 40          | 145          |                   |                   |                   |
| <b>LOR-978</b>                         | 76              | 56.6                | 14.7           | 36          | 139          |                   |                   |                   |
| <b>IDO1005</b>                         | 74              | 57.8                | 12.5           | 38          | 142          |                   |                   |                   |
| <b>WA 8187</b>                         | 71              | 57.0                | 13.0           | 37          | 144          | 59                |                   |                   |
| <b>WA 8235</b>                         | 70              | 54.8                | 13.9           | 39          | 143          |                   |                   |                   |
| <b>OR2080641</b>                       | 68              | 54.8                | 13.5           | 38          | 141          | 58                | 82                |                   |
| <b>DAS 3</b>                           | 68              | 54.0                | 14.1           | 38          | 145          |                   |                   |                   |
| <b>IDN-02-29001A</b>                   | 67              | 55.0                | 14.3           | 38          | 141          | 57                |                   |                   |
| <b>IDN-01-10704A</b>                   | 65              | 52.1                | 14.0           | 40          | 145          | 56                |                   |                   |
| <b>IDO1108DH</b>                       | 63              | 58.1                | 13.1           | 41          | 144          | 57                | 79                |                   |
| <b>WA 8212</b>                         | 63              | 53.7                | 14.5           | 33          | 145          | 59                |                   |                   |
| <b>DAS 4</b>                           | 61              | 52.6                | 14.3           | 36          | 146          |                   |                   |                   |
| <b>C.V. %</b>                          | 9               | 2                   | 9              | 3           | 1            | 10                | 8                 | 8                 |
| <b>LSD (0.10)</b>                      | 7               | 1.4                 | 1.2            | 1           | 1            | 5                 | 4                 | 3                 |
| <b>Average</b>                         | 77              | 55.8                | 12.7           | 38          | 143          | 64                | 85                | 109               |
| <b>Highest</b>                         | 91              | 62.1                | 14.7           | 42          | 147          | 75                | 94                | 121               |
| <b>Lowest</b>                          | 61              | 51.5                | 10.3           | 30          | 137          | 56                | 77                | 96                |

### Dayton Soft White Winter Wheat--Preliminary Data

1. Grain yield in the 2015 Dayton soft white winter wheat trial averaged 77 bushels/acre, much less than the five-year average. The Dayton nursery was located about 6 miles northwest of Dayton, WA (J. Penner, Cooperator). All yield values within the 10% LSD range of the highest yield are shown in bold.
2. This nursery was seeded on October 7, 2014 following chickpeas. Seeding rate was 85#/acre and a spring soil test showed 360#N/acre. No additional fertilizer was applied.
3. A fungicide was included with the herbicide application and no stripe rust was observed in this trial. Lower yields and test weights are a reflection of the hot and dry year.