

2019 WSU Variety Testing Hard Spring Wheat Trial, Moses Lake

| Variety Name<br><i>Durum Italicized</i> | 2019            |                     |                |                  |              |                | 2 Year            | 3 Year            | 5 Year            |
|---|-----------------|---------------------|----------------|------------------|--------------|----------------|-------------------|-------------------|-------------------|
|   | Yield<br>(Bu/A) | Test WT<br>(Lbs/Bu) | Protein<br>(%) | Plant HT<br>(In) | Head<br>Date | Lodging<br>(%) | Average<br>(Bu/A) | Average<br>(Bu/A) | Average<br>(Bu/A) |
| <b>Released Varieties</b>               |                 |                     |                |                  |              |                |                   |                   |                   |
| SY Gunsight                             | 142             | 62.6                | 13.9           | 35               | 155          | 0              | 147               | 144               |                   |
| SY Basalt                               | 142             | 62.7                | 14.1           | 33               | 158          | 0              | 147               | 139               |                   |
| AP Octane (USW11200024-1-4)             | 141             | 62.6                | 14.3           | 32               | 158          | 0              |                   |                   |                   |
| Dayn                                    | 141             | 63.4                | 14.5           | 39               | 154          | 0              | 153               | 148               | 142               |
| WB7202CLP                               | 140             | 63.2                | 13.6           | 33               | 152          | 0              | 147               |                   |                   |
| AP Renegade (06PN3017-09)               | 138             | 62.6                | 13.8           | 37               | 157          | 0              | 146               | 140               |                   |
| AP Venom (USW11200083-1-3)              | 137             | 62.3                | 14.7           | 39               | 159          | 0              |                   |                   |                   |
| LCS Iron                                | 133             | 62.4                | 14.3           | 36               | 158          | 0              | 144               | 140               | 134               |
| SY Coho                                 | 133             | 62.0                | 15.2           | 38               | 159          | 15             | 141               | 135               |                   |
| WB9717                                  | 132             | 63.4                | 14.5           | 38               | 159          | 0              | 140               |                   |                   |
| AP Kimber CL2 (10PN3039-02)             | 131             | 62.5                | 15.1           | 40               | 154          | 50             |                   |                   |                   |
| Alum                                    | 131             | 63.8                | 15.0           | 41               | 155          | 33             | 136               | 129               | 125               |
| Net CL+ (WA 8280 CL+)                   | 128             | 63.6                | 14.7           | 40               | 157          | 40             | 137               | 132               |                   |
| WB9668                                  | 128             | 63.1                | 15.6           | 33               | 154          | 13             | 135               | 131               |                   |
| Kelse                                   | 128             | 62.8                | 15.4           | 42               | 157          | 2              |                   |                   |                   |
| WB9662                                  | 127             | 62.9                | 16.0           | 37               | 158          | 0              | 137               | 134               |                   |
| LCS Luna                                | 125             | 63.1                | 14.0           | 35               | 158          | 0              | 131               | 129               | 118               |
| SY Selway                               | 122             | 61.9                | 14.6           | 38               | 158          | 62             |                   |                   |                   |
| Salzburg                                | 117             | 62.3                | 15.6           | 36               | 153          | 32             |                   |                   |                   |
| LCS Buck Pronto                         | 116             | 62.0                | 15.8           | 38               | 152          | 22             | 126               | 125               | 115               |
| Glee                                    | 115             | 61.1                | 15.0           | 39               | 155          | 80             | 131               | 125               | 120               |
| Chet                                    | 105             | 63.5                | 16.8           | 48               | 155          | 73             |                   |                   |                   |
| YS-801                                  | 102             | 62.8                | 16.6           | 41               | 151          | 20             |                   |                   |                   |
| SY605 CL                                | 99              | 62.6                | 17.5           | 41               | 153          | 27             |                   |                   |                   |
| <b>Experimental Lines</b>               |                 |                     |                |                  |              |                |                   |                   |                   |
| APB572853                               | 139             | 62.3                | 15.1           | 41               | 154          | 43             |                   |                   |                   |
| WA 8301                                 | 137             | 63.1                | 14.9           | 39               | 154          | 58             |                   |                   |                   |
| 09W821030-32                            | 135             | 63.7                | 14.8           | 32               | 156          | 0              | 144               |                   |                   |
| CPX36619                                | 133             | 63.4                | 14.5           | 36               | 154          | 2              |                   |                   |                   |
| 10PN2018-12 CL2                         | 131             | 62.8                | 14.1           | 38               | 159          | 20             |                   |                   |                   |
| WA 8315                                 | 130             | 62.9                | 14.8           | 41               | 155          | 57             |                   |                   |                   |
| APB65106                                | 128             | 62.3                | 15.0           | 37               | 155          | 0              |                   |                   |                   |
| WA 8314                                 | 127             | 63.4                | 15.2           | 39               | 155          | 52             |                   |                   |                   |
| WA 8299 CL+                             | 123             | 63.1                | 14.5           | 39               | 154          | 72             | 135               |                   |                   |
| WA 8282                                 | 119             | 62.2                | 14.9           | 38               | 154          | 78             | 133               | 128               |                   |
| WA 8300 CL+                             | 119             | 62.7                | 14.0           | 39               | 157          | 82             | 130               |                   |                   |
| WA 8302 CL+                             | 112             | 62.5                | 14.5           | 40               | 154          | 60             |                   |                   |                   |
| C.V. %                                  | 6               | 0.6                 | 1.5            | 4                | 1            | 63             | 5                 | 5                 | 5                 |
| LSD (0.05)                              | 10              | 0.5                 | 0.3            | 2                | 1            | 24             | 7                 | 5                 | 4                 |
| Average                                 | 127             | 62.8                | 14.9           | 38               | 156          | 28             | 139               | 134               | 126               |
| Highest                                 | 142             | 63.8                | 17.5           | 48               | 159          | 82             | 153               | 148               | 142               |
| Lowest                                  | 99              | 61.1                | 13.6           | 32               | 151          | 0              | 126               | 125               | 115               |

**Agronomic Information**

|  |          |
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| Planting Date:                         | 4/1/2019 |
| Harvest Date:                          | 4/1/2019 |
| Seeding Rate (seeds/ft <sup>2</sup> ): | 22.5     |
| Previous Crop:                         | Potatoes |
| Spring soil test:                      |          |
| N (lb/ac) 4-ft sample                  | 367      |
| P (ppm-bicarb) 2-ft sample             | 176      |
| S (lb/ac) 2-ft sample                  | 262      |
| pH (top 6 inches)                      | 5.9      |
| Herbicide:                             |          |

**Trial Notes:**

1. The Moses Lake nursery was located about 2 miles southeast of Wheeler, WA.

3. Overall yield was 13% less than 2018, and grain test weight was the same as last year.

\* 5-year average from 2019, 2018, 2017, 2016, 2014  
**Cooperator N. & J. Getzinger**