

2018 WSU Variety Testing Hard Winter Wheat Trial, Connell

| Variety Name | 2018 | | | | | | 2 Year | 3 Year | 5 Year |
|---------------------------|-----------------|---------------------|----------------|------------------|--------------|----------------|-------------------|-------------------|-------------------|
| | Yield (Bu/A) | Test WT (Lbs/Bu) | Protein (%) | Plant HT (In) | Head Date | Lodging (%) | Average (Bu/A) | Average (Bu/A) | Average (Bu/A) |
| <i>Released Varieties</i> | | | | | | | | | |
| LCS Jet | 74 | 60.7 | 10.1 | 34 | 134 | 0 | 66 | 70 | 53 |
| LCS Abraham | 72 | 59.1 | 11.3 | 33 | 134 | 0 | | | |
| WB4303 | 68 | 60.9 | 11.0 | 36 | 133 | 0 | | | |
| Keldin | 67 | 61.7 | 9.6 | 36 | 135 | 0 | 61 | 65 | 51 |
| SY Clearstone CL2 | 66 | 61.1 | 11.4 | 42 | 134 | 0 | 60 | 61 | |
| Sequoia | 64 | 60.4 | 10.6 | 50 | 135 | 10 | 62 | 59 | 45 |
| WB4623CLP | 61 | 62.6 | 11.8 | 38 | 134 | 0 | 50 | | |
| Whetstone | 58 | 60.1 | 11.4 | 39 | 134 | 0 | 55 | 58 | 45 |
| Mandala | 57 | 60.5 | 12.1 | 34 | 137 | 0 | 55 | | |
| LCS Rocket (NSA10-2196) | 53 | 59.7 | 10.7 | 32 | 134 | 0 | | | |
| SY Touchstone | 51 | 61.7 | 11.4 | 32 | 135 | 0 | 48 | 54 | |
| Farnum | 44 | 58.3 | 12.1 | 44 | 140 | 0 | 46 | 47 | 38 |
| <i>Experimental Lines</i> | | | | | | | | | |
| NSA12-2472 | 82 | 60.0 | 9.4 | 37 | 134 | 0 | | | |
| LWW14-73915 | 77 | 57.8 | 11.0 | 37 | 133 | 0 | 65 | | |
| WA 8273 | 60 | 62.1 | 11.0 | 44 | 136 | 0 | 57 | | |
| WA 8286 | 53 | 59.6 | 11.6 | 40 | 138 | 0 | | | |
| WA 8287 | 53 | 58.8 | 11.2 | 36 | 138 | 0 | | | |
| C.V. % | 9 | 0.9 | 5.3 | 6 | 1 | 25 | 9 | 8 | 8 |
| LSD (0.05) | 7 | 0.8 | 0.8 | 3 | 1 | 0 | 5 | 4 | 2 |
| Average | 62 | 60.3 | 11.0 | 38 | 135 | 1 | 57 | 59 | 46 |
| Highest | 82 | 62.6 | 12.1 | 50 | 140 | 10 | 66 | 70 | 53 |
| Lowest | 44 | 57.8 | 9.4 | 32 | 133 | 0 | 46 | 47 | 38 |

Agronomic Information

| | |
|--|-----------|
| Planting Date: | 9/6/2017 |
| Harvest Date: | 7/24/2018 |
| Seeding Rate (seeds/ft ²): | 13 |
| Previous Crop: | Fallow |
| Spring soil test: | |
| N (lb/ac) 4-ft sample | 252 |
| P (ppm-bicarb) 2-ft sample | 120 |
| S (lb/ac) 2-ft sample | 32 |
| pH (top 6 inches) | 5.8 |

Trial Notes:

1. The Connell nursery was located about 9 miles east of Connell, WA.
2. The nursery was fertilized prior to planting 100N
3. Overall yield was 19% greater than 2017 and grain test weight was about 1.4 lb/bu less than last year.

Cooperator: Dan Bauermeister

Herbicides and Fungicides applied by cooperator