

2019 WSU Variety Testing Soft Winter Irrigated Wheat Trial, Moses Lake

| Variety Name | 2019 | | | | | 2 Year | 3 Year |
|--------------------------------|-----------------|---------------------|----------------|------------------|--------------|-------------------|-------------------|
| | Yield (Bu/A) | Test WT (Lbs/Bu) | Protein (%) | Plant HT (In) | Head Date | Average (Bu/A) | Average (Bu/A) |
| <i>Released Varieties</i> | | | | | | | |
| Norwest Tandem | 60 | 55.6 | 12.9 | 24 | -- | 77 | 93 |
| SY Ovation | 58 | 55.2 | 13.7 | 27 | -- | 71 | 86 |
| ARS-Castella (ARS20060123-31C) | 58 | 54.0 | 13.2 | 27 | -- | | |
| LCS Blackjack (LWW15-71945) | 57 | 50.9 | 13.7 | 25 | -- | 79 | |
| LCS Hulk | 55 | 56.2 | 14.2 | 28 | -- | 75 | 92 |
| PNW Hailey | 55 | 56.7 | 13.2 | 29 | -- | 75 | |
| M-press | 55 | 54.5 | 13.5 | 25 | -- | | |
| Norwest Duet | 54 | 54.7 | 13.5 | 28 | -- | 75 | 93 |
| Stingray CL+ (WA 8275 CL+) | 54 | 54.5 | 15.2 | 27 | -- | 74 | |
| LCS Shark | 54 | 53.7 | 13.7 | 25 | -- | 71 | 89 |
| Dyna-Gro Impact | 53 | 55.8 | 13.9 | 26 | -- | 72 | |
| Puma | 53 | 54.7 | 14.3 | 29 | -- | 72 | 89 |
| Nixon (OR2121086) | 52 | 53.0 | 14.5 | 27 | -- | 67 | 83 |
| Jasper | 52 | 53.5 | 14.0 | 27 | -- | 73 | 88 |
| Resilience CL+ | 51 | 54.6 | 14.3 | 25 | -- | 74 | |
| ORCF-102 | 51 | 55.4 | 14.3 | 28 | -- | | |
| OR2x2 CL+ (ORI2150031 CL+) | 51 | 54.9 | 15.0 | 28 | -- | 72 | 81 |
| Xerpha | 51 | 55.3 | 14.0 | 29 | -- | | |
| SY Dayton | 51 | 52.5 | 14.3 | 25 | -- | 66 | 83 |
| LCS Artdeco | 51 | 50.6 | 13.8 | 23 | -- | 73 | 89 |
| WB1783 | 50 | 55.1 | 15.7 | 27 | -- | 68 | 85 |
| Appleby CL+ (ORI2161250 CL+) | 50 | 52.4 | 15.0 | 28 | -- | | |
| UI Sparrow | 49 | 54.6 | 13.6 | 30 | -- | | |
| LCS Drive | 49 | 51.4 | 13.5 | 24 | -- | 72 | 89 |
| UI Magic CL+ | 49 | 55.0 | 15.0 | 25 | -- | 71 | 88 |
| ARS-Crescent | 48 | 53.6 | 13.7 | 25 | -- | | |
| Rosalyn | 48 | 51.2 | 14.1 | 26 | -- | 66 | 85 |
| Purl (WA 8234) | 48 | 53.3 | 14.2 | 28 | -- | 68 | 87 |
| WB1529 | 47 | 54.9 | 14.2 | 26 | -- | 67 | 86 |
| Bobtail | 45 | 51.0 | 13.1 | 26 | -- | 67 | 83 |
| Madsen | 45 | 54.2 | 15.1 | 26 | -- | | |
| YS-201 | 45 | 48.7 | 14.5 | 25 | -- | | |
| LCS Ghost (LWW14-74143) | 45 | 49.8 | 13.3 | 27 | -- | 72 | 95 |
| WB1604 | 44 | 51.8 | 14.8 | 25 | -- | 70 | 88 |
| UI Castle CL+ | 44 | 53.3 | 15.1 | 25 | -- | 63 | 78 |
| SY Raptor | 44 | 49.8 | 14.8 | 24 | -- | 68 | |
| SY Assure | 41 | 50.5 | 15.1 | 23 | -- | 67 | 86 |
| WB1376CLP | 38 | 51.0 | 16.3 | 26 | -- | 57 | 75 |
| <i>Experimental Lines</i> | | | | | | | |
| WA 8293 | 57 | 54.5 | 14.1 | 28 | -- | 68 | |
| WA 8305 CL+ | 53 | 55.0 | 14.2 | 29 | -- | | |
| WA 8306 CL+ | 53 | 55.4 | 13.5 | 29 | -- | | |
| LWW15-71682 | 52 | 53.8 | 14.1 | 24 | -- | | |

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| | Yield (Bu/A) | Test WT (Lbs/Bu) | Protein (%) | Plant HT (In) | Head Date | Average (Bu/A) | Average (Bu/A) |
| UIL 09-15702A | 52 | 53.4 | 15.6 | 28 | -- | | |
| UIL 17-6268 CL+ | 52 | 53.7 | 13.8 | 23 | -- | | |
| UIL 07-28017B | 51 | 54.1 | 14.3 | 25 | -- | 71 | 91 |
| LWW15-71898 | 51 | 51.7 | 14.2 | 25 | -- | | |
| <i>ARS09X492-6CBW</i> | 50 | 52.3 | 15.3 | 24 | -- | | |
| IDO1808 | 48 | 54.1 | 14.3 | 27 | -- | | |
| 11PN044#84 | 48 | 50.7 | 14.1 | 26 | -- | | |
| WA 8307 | 48 | 49.4 | 13.4 | 28 | -- | | |
| 06PN212-25 | 46 | 52.3 | 14.4 | 25 | -- | | |
| 11PN042#64 | 46 | 52.9 | 14.0 | 26 | -- | | |
| IDO1810 | 44 | 54.4 | 14.0 | 29 | -- | | |
| <i>ARSDH08X117-83C</i> | 42 | 51.8 | 14.9 | 25 | -- | | |

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|-------------------|-----------------|---------------------|----------------|------------------|--------------|-------------------|-------------------|
| | Yield (Bu/A) | Test WT (Lbs/Bu) | Protein (%) | Plant HT (In) | Head Date | Average (Bu/A) | Average (Bu/A) |
| C.V. % | 7 | 3.0 | 4.3 | 6 | -- | 10 | 8 |
| LSD (0.05) | 5 | 2.2 | 0.8 | 2 | -- | 6 | 5 |
| Average | 50 | 53.3 | 14.2 | 26 | -- | 70 | 87 |
| Highest | 60 | 56.7 | 16.3 | 30 | -- | 79 | 95 |
| Lowest | 38 | 48.7 | 12.9 | 23 | -- | 57 | 75 |

Agronomic Information

Planting Date:

Harvest Date:

Seeding Rate (seeds/ft²):

Previous Crop:

Spring soil test:

N (lb/ac) 4-ft sample

P (ppm-bicarb) 2-ft sample

S (lb/ac) 2-ft sample

pH (top 6 inches)

Herbicide:

Trial Notes:

3. Overall yield was 44% less than 2018 and weight was 5.9 lb/bu less than last year.

Cooperator S Stahl

**5 Year
Average
(Bu/A)**

110

102

115

106

103

104

106

**5 Year
Average
(Bu/A)**

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██████████

██████████

**5 Year
Average
(Bu/A)**

11

6

106

115

102

3 grain test