

2023 WSU Variety Testing Soft White Winter Wheat Trial, Anatone

| Variety Name <i>Club Italicized</i> | 2023 | | | | | 2 Year | 3 Year | 4 Year |
|--|-----------------|---------------------|----------------|------------------|--------------|-------------------|-------------------|-------------------|
| | Yield (Bu/A) | Test WT (Lbs/Bu) | Protein (%) | Plant HT (In) | Head Date | Average (Bu/A) | Average (Bu/A) | Average (Bu/A) |
| Released Varieties | | | | | | | | |
| LCS Jefe | 83 | 61.5 | 7.4 | 34 | 152 | 81 | 66 | |
| AP Exceed | 82 | 61.4 | 7.7 | 33 | 150 | 78 | | |
| LCS Shine | 80 | 60.4 | 7.3 | 29 | 150 | 85 | | |
| LCS Hulk | 79 | 61.4 | 7.8 | 33 | 152 | 76 | 64 | 68 |
| GS Bounty | 79 | 61.5 | 7.4 | 34 | 152 | 77 | | |
| AP Iliad | 78 | 59.9 | 7.6 | 32 | 150 | 76 | | |
| <i>Castella</i> | 78 | 61.1 | 7.5 | 33 | 152 | 76 | | |
| AP Olympia (PN17MM604207) | 78 | 61.8 | 7.6 | 33 | 150 | | | |
| LCS Kamiak (LWW17-5877) | 77 | 60.8 | 7.6 | 31 | 146 | 73 | 62 | |
| TMC M-Pire | 75 | 61.2 | 7.3 | 30 | 151 | 76 | | |
| WB1720 | 75 | 62.4 | 7.9 | 30 | 152 | | | |
| <i>Pritchett</i> | 75 | 60.6 | 7.8 | 34 | 154 | 73 | 61 | 64 |
| VI Frost | 75 | 61.4 | 7.8 | 33 | 152 | 68 | 58 | 61 |
| TMC M-Press | 74 | 60.9 | 7.3 | 31 | 153 | 73 | 63 | 65 |
| Norwest Duet | 74 | 61.5 | 7.4 | 34 | 154 | 71 | 59 | 62 |
| WB1621 | 73 | 62.7 | 7.7 | 33 | 151 | | | |
| YSC-215 | 73 | 62.8 | 7.9 | 33 | 152 | 72 | 58 | 62 |
| LCS Blackjack | 73 | 58.7 | 8.0 | 32 | 152 | 68 | | |
| Norwest Tandem | 72 | 61.3 | 7.7 | 30 | 150 | 71 | 62 | 63 |
| Nimbus (OR2130755) | 71 | 61.7 | 7.6 | 33 | 152 | 72 | 62 | 65 |
| <i>ARS-Crescent</i> | 70 | 60.8 | 7.5 | 30 | 156 | 75 | 63 | 66 |
| WB1922 | 70 | 63.0 | 7.9 | 32 | 154 | | | |
| Jameson (WA8290) | 67 | 61.1 | 7.7 | 33 | 152 | | | |
| Rollie (WA8334) | 63 | 62.3 | 7.6 | 34 | 157 | 69 | 57 | |
| Devote | 62 | 63.0 | 7.8 | 32 | 155 | 64 | 55 | 58 |
| Otto | 55 | 61.0 | 8.6 | 32 | 157 | 63 | 51 | 54 |
| Experimental Lines | | | | | | | | |
| LWW19-6219 | 82 | 61.1 | 7.6 | 32 | 151 | 83 | | |
| UIL 17-995133B | 81 | 62.1 | 7.1 | 32 | 149 | | | |
| UIL 16-478001 | 78 | 61.6 | 8.2 | 34 | 152 | | | |
| UIL 14-211120A | 76 | 60.3 | 7.9 | 31 | 151 | | | |
| LWW20-2867 | 75 | 60.0 | 7.5 | 30 | 151 | | | |
| WA8395 | 74 | 60.3 | 7.5 | 35 | 154 | | | |
| YSC-93 | 74 | 61.3 | 7.4 | 33 | 150 | 75 | 62 | |
| WA8332 | 73 | 59.9 | 8.1 | 34 | 154 | | | |
| YSC-217 | 72 | 64.0 | 7.8 | 32 | 152 | | | |
| WA8364 | 72 | 62.7 | 7.3 | 32 | 155 | 75 | | |
| <i>ARS15X1460-8CBW</i> | 70 | 60.3 | 7.6 | 34 | 155 | | | |
| <i>OR5180071</i> | 69 | 61.4 | 7.6 | 30 | 154 | 65 | | |
| WA8394 | 69 | 61.2 | 7.7 | 31 | 156 | | | |
| <i>OR5180072</i> | 68 | 60.5 | 8.2 | 29 | 151 | | | |
| <i>ARS12X097-12C</i> | 67 | 60.2 | 7.3 | 31 | 156 | 75 | | |
| LWW19-5862 | 67 | 59.6 | 7.5 | 34 | 153 | | | |
| C.V. | 6 | 0.8 | 3.7 | 5 | 0 | 9 | 10 | 9 |
| LSD | 6 | 0.6 | 0.4 | 2 | 1 | 6 | 5 | 4 |
| Average | 73 | 61.3 | 7.7 | 32 | 152 | 73 | 60 | 63 |
| Highest | 83 | 64.0 | 8.6 | 35 | 157 | 85 | 66 | 68 |
| Lowest | 55 | 58.7 | 7.1 | 29 | 146 | 63 | 51 | 54 |

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|--|-----------------|---------------------|----------------|------------------|--------------|-------------------|-------------------|-------------------|
| | Yield (Bu/A) | Test WT (Lbs/Bu) | Protein (%) | Plant HT (In) | Head Date | Average (Bu/A) | Average (Bu/A) | Average (Bu/A) |

Agronomic Information

| | |
|---|-----------|
| Planting Date: | 9/23/2022 |
| Harvest Date: | 7/25/2023 |
| Seeding Rate (seeds/ac): | 900,000 |
| Previous Crop: | Fallow |
| Fall soil test: | |
| N (lb/ac) 2-ft sample | 183 |
| P ₂ O ₅ (lb/ac) 1-ft sample | 242 |
| S (lb/ac) 2-ft sample | 29 |
| pH (top 6 inches) | 6.0 |

Trial Notes:

1. The nursery was located approximately 5.5 miles northeast of Anatone, WA.
2. The nursery was fertilized at seeding at a rate of 16N, 40P, 10K, 10S. No additional fertilizer was applied.
3. Overall yield was the same and test weight was 0.9 lb/bu more than in 2022.

Herbicides: Zidua (4oz) was applied on Oct 18, 2022.

Cooperator: Brit Ausman

Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on April 28, 2023.