

2023 WSU Variety Testing Hard Red Spring Wheat Trial, Almira

| Variety Name | 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) |
| <i>Released Varieties</i> | | | | | | | | |
| CP3055 | 68 | 58.8 | 11.4 | 33 | 178 | 55 | | |
| CP3119A | 66 | 58.0 | 11.8 | 34 | 178 | | | |
| Net CL+ | 65 | 64.2 | 12.2 | 33 | 174 | 51 | 40 | 40 |
| WB9623 | 63 | 62.3 | 12.0 | 33 | 172 | 49 | | |
| Alum | 62 | 63.3 | 11.7 | 34 | 174 | 52 | 40 | 39 |
| Kelse | 62 | 62.7 | 12.5 | 33 | 172 | 49 | 38 | 40 |
| CP3322 | 59 | 61.9 | 11.4 | 32 | 178 | | | |
| Hale | 57 | 63.1 | 12.9 | 35 | 170 | 48 | 39 | 39 |
| Glee | 56 | 62.9 | 12.2 | 33 | 171 | 45 | 37 | 38 |
| Chet | 56 | 63.7 | 12.7 | 41 | 171 | 49 | 38 | 39 |
| AP Renegade | 53 | 62.2 | 13.7 | 30 | 176 | 43 | 34 | 36 |
| WB9303 | 50 | 62.8 | 14.9 | 30 | 166 | 46 | 39 | 38 |
| CP3530 | 50 | 61.8 | 12.9 | 34 | 175 | 39 | | |
| WB9668 | 49 | 62.8 | 14.3 | 26 | 168 | 42 | 36 | 37 |
| <i>Experimental Lines</i> | | | | | | | | |
| MT1809 | 68 | 61.9 | 12.6 | 34 | 171 | | | |
| IDO2105S | 66 | 62.9 | 11.8 | 33 | 170 | | | |
| MT1939 | 64 | 62.9 | 12.6 | 33 | 171 | | | |
| WA8342R | 63 | 63.1 | 11.8 | 31 | 174 | | | |
| WA8387 CL+ | 61 | 63.6 | 12.5 | 33 | 170 | 50 | | |
| WA8356 | 61 | 62.6 | 12.8 | 31 | 169 | 48 | 40 | |
| WA8412 | 60 | 63.0 | 13.0 | 35 | 169 | | | |
| WA8411 | 60 | 63.6 | 12.7 | 33 | 164 | | | |
| WA8358 CL+ | 57 | 63.9 | 12.9 | 33 | 171 | 51 | | |
| IDO2202 CL2+ | 56 | 63.1 | 12.3 | 32 | 170 | | | |
| C.V. | 7 | 0.9 | 5.5 | 3 | 0 | 12 | 14 | 14 |
| LSD | 6 | 0.8 | 1.0 | 1 | 1 | 6 | NS | NS |
| Average | 60 | 62.5 | 12.6 | 33 | 172 | 48 | 38 | 39 |
| Highest | 68 | 64.2 | 14.9 | 41 | 178 | 55 | 40 | 40 |
| Lowest | 49 | 58.0 | 11.4 | 26 | 164 | 39 | 34 | 36 |

Agronomic Information

| | |
|---|--------------|
| Planting Date: | 4/26/2023 |
| Harvest Date: | 8/21/2023 |
| Seeding Rate (seeds/ac): | 870,000 |
| Previous Crop: | Spring Wheat |
| Spring soil test: | |
| N (lb/ac) 4-ft sample | 69 |
| P ₂ O ₅ (lb/ac) 1-ft sample | 108 |
| S (lb/ac) 2-ft sample | 19 |
| pH (top 6 inches) | 5.3 |

Trial Notes:

1. The nursery was located approximately 6.5 miles southeast of Grand Coulee, WA.
2. The nursery was fertilized at seeding at a rate of 16N, 40P, 19K, 10S, and 15Cl. An additional 77N was applied on May 6, 2023.
3. Yield was 54% greater and test weight was 4.7 lb/bu more compared to 2022.

Cooperator: Dan McKay

Herbicides: Axial (16oz), Talinor (16oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 18, 2023.