

## 2024 Hard Red Spring Wheat Variety Trial at Minot

| Variety          | Heading | Plant  | Test    |        |         | Yield |      |      |          |          |
|------------------|---------|--------|---------|--------|---------|-------|------|------|----------|----------|
|                  | Date    | Height | Lodging | Weight | Protein | 2022  | 2023 | 2024 | 2-yr avg | 3-yr avg |
|                  | DAP*    | inches | 1-9**   | lbs/bu | %       | bu/a  |      |      |          |          |
| AAC Stoughton VB | 49      | 27     | 1       | 61.4   | 14.0    | --    | --   | 51.4 | --       | --       |
| AAC Westlock     | 49      | 27     | 1       | 60.1   | 13.6    | --    | 45.9 | 38.9 | 42.4     | --       |
| AP Elevate       | 49      | 28     | 1       | 60.4   | 14.1    | --    | --   | 65.3 | --       | --       |
| AP Gunsmoke CL2  | 47      | 27     | 1       | 61.2   | 13.5    | 57.7  | 68.4 | 50.6 | 59.5     | 58.9     |
| AP Murdock       | 47      | 29     | 1       | 61.1   | 13.6    | 58.1  | 63.8 | 67.3 | 65.6     | 63.1     |
| AP Smith         | 49      | 30     | 1       | 60.8   | 14.3    | 58.6  | 67.6 | 51.9 | 59.8     | 59.4     |
| Ambush           | 47      | 30     | 1       | 63.1   | 14.2    | --    | --   | 62.7 | --       | --       |
| Ascend SD        | 48      | 30     | 1       | 60.7   | 14.0    | --    | 70.3 | 55.7 | 63.0     | --       |
| Ballistic        | 48      | 31     | 1       | 61.1   | 13.5    | --    | --   | 64.6 | --       | --       |
| Bolles           | 49      | 32     | 1       | 61.5   | 16.4    | 61.5  | 70.4 | 66.9 | 68.7     | 66.3     |
| Boost            | 49      | 29     | 1       | 60.3   | 14.3    | 58.9  | 60.2 | 54.1 | 57.2     | 57.7     |
| Brawn SD         | 47      | 31     | 1       | 63.7   | 13.1    | --    | 69.6 | 66.6 | 68.1     | --       |
| CAG Ceres        | 47      | 29     | 1       | 62.1   | 14.8    | --    | --   | 62.6 | --       | --       |
| CAG Justify      | 49      | 30     | 1       | 60.6   | 12.9    | 66.7  | 63.2 | 75.1 | 69.2     | 68.3     |
| CAG Reckless     | 48      | 29     | 1       | 62.7   | 13.9    | 56.3  | 70.7 | 69.2 | 70.0     | 65.4     |
| CAG Recoil       | 49      | 30     | 1       | 59.6   | 13.3    | --    | --   | 51.2 | --       | --       |
| CP3055           | 47      | 33     | 1       | 58.3   | 12.7    | --    | --   | 52.8 | --       | --       |
| CP3099A          | 47      | 32     | 1       | 57.3   | 11.0    | 68.7  | 62.9 | 63.0 | 63.0     | 64.9     |
| CP3119A          | 47      | 33     | 1       | 58.9   | 12.1    | 74.1  | 64.2 | 69.5 | 66.9     | 69.3     |
| CP3188           | 47      | 20     | 1       | 59.4   | 12.8    | 59.4  | 62.0 | 56.7 | 59.4     | 59.4     |
| CP3322           | 47      | 30     | 1       | 57.7   | 13.3    | --    | 59.6 | 35.8 | 47.7     | --       |
| CP3360AX         | 47      | 22     | 1       | 62.4   | 12.9    | --    | --   | 38.2 | --       | --       |
| CP3915           | 47      | 28     | 1       | 62.2   | 14.5    | --    | --   | 39.4 | --       | --       |
| Commander        | 47      | 34     | 1       | 61.8   | 14.2    | --    | --   | 61.3 | --       | --       |
| Driver           | 48      | 29     | 1       | 62.6   | 13.7    | 63.0  | 57.4 | 49.9 | 53.7     | 56.8     |
| Faller           | 49      | 29     | 1       | 61.1   | 13.4    | --    | --   | 52.2 | --       | --       |
| Glenn            | 47      | 32     | 1       | 64.2   | 14.7    | 56.6  | 61.9 | 47.4 | 54.7     | 55.3     |
| Lanning          | 47      | 31     | 1       | 59.2   | 14.3    | 63.4  | 62.3 | 48.0 | 55.2     | 57.9     |
| LCS Ascent       | 46      | 29     | 1       | 62.9   | 13.3    | 65.1  | 68   | 65.4 | 66.7     | 66.2     |
| LCS Boom         | 46      | 29     | 1       | 62.9   | 13.9    | --    | 68.5 | 54.3 | 61.4     | --       |
| LCS Buster       | 46      | 31     | 1       | 59.7   | 11.5    | 66.8  | 71.8 | 58.4 | 65.1     | 65.7     |
| LCS Cannon       | 46      | 29     | 1       | 62.7   | 13.8    | 59.2  | 65.7 | 48.9 | 57.3     | 57.9     |
| LCS Dual         | 47      | 28     | 1       | 62.6   | 13.9    | 72.7  | 60.3 | 66.7 | 63.5     | 66.6     |
| LCS Hammer AX    | 47      | 32     | 1       | 61.5   | 13.8    | --    | 61.4 | 54.1 | 63.5     | --       |
| LCS Trigger      | 47      | 29     | 1       | 60.4   | 12.2    | 66.7  | 70.6 | 58.0 | 64.3     | 65.1     |
| MN Rothsay       | 47      | 29     | 1       | 62.6   | 13.6    | 70.1  | 64.4 | 64.8 | 64.6     | 66.4     |
| MN Torgy         | 49      | 29     | 1       | 63.2   | 14.5    | 65.4  | 63.4 | 67.8 | 65.6     | 65.5     |
| MS Charger       | 47      | 32     | 1       | 61.8   | 12.2    | 59.0  | 60.1 | 52.5 | 56.3     | 57.2     |
| MS Cobra         | 47      | 30     | 1       | 62.2   | 14.0    | 55.2  | 61.7 | 66.5 | 64.1     | 61.1     |
| MS Nova          | 47      | 30     | 1       | 62.4   | 14.3    | --    | --   | 53.6 | --       | --       |
| MS Rancho        | 47      | 31     | 1       | 60.7   | 13.7    | 52.1  | 53.5 | 63.9 | 58.7     | 56.5     |
| MT Carlson       | 47      | 31     | 1       | 60.7   | 13.8    | --    | --   | 44.5 | --       | --       |
| MT Dutton        | 47      | 32     | 1       | 60.7   | 14.1    | --    | --   | 59.8 | --       | --       |
| MT Ubet          | 48      | 31     | 1       | 60.5   | 13.9    | --    | --   | 57.7 | --       | --       |
| ND Frohberg      | 48      | 29     | 1       | 60.6   | 13.9    | 58    | 66   | 48.3 | 57.2     | 57.4     |
| ND Heron         | 47      | 29     | 1       | 63.1   | 15.2    | --    | 56.5 | 52.7 | 54.6     | --       |

|              |     |      |    |      |       |      |      |      |      |      |
|--------------|-----|------|----|------|-------|------|------|------|------|------|
| ND Stampede  | 47  | 30   | 1  | 60.7 | 14.3  | --   | --   | 65.2 | --   | --   |
| ND Thresher  | 48  | 30   | 1  | 59.4 | 14.2  | --   | 59.4 | 46.4 | 52.9 | --   |
| ND VitPro    | 47  | 30   | 1  | 62.8 | 14.8  | 54.2 | 58   | 34.8 | 46.4 | 49.0 |
| PFS Buns     | 47  | 29   | 1  | 58.6 | 12.1  | 63.9 | 67.6 | 50.9 | 59.3 | 60.8 |
| PFS Rolls    | 49  | 30   | 1  | 62.1 | 13.7  | --   | --   | 66.4 | --   | --   |
| PG-Predator  | 49  | 27   | 1  | 59.9 | 14.5  | --   | --   | 64.0 | --   | --   |
| Rocker       | 48  | 31   | 1  | 61.7 | 15.1  | --   | --   | 48.2 | --   | --   |
| SD4905       | 47  | 29   | 1  | 61.9 | 14.5  | --   | --   | 68.5 | --   | --   |
| Shelly       | 49  | 28   | 1  | 62.4 | 13.3  | 63.8 | 64.1 | 64.7 | 64.4 | 64.2 |
| SY 611 CL2   | 48  | 31   | 1  | 62.1 | 14.9  | 56.5 | 67   | 48.6 | 57.8 | 57.4 |
| SY Ingmar    | 49  | 29   | 1  | 60.5 | 15.0  | 53.5 | 59.0 | 51.5 | 55.3 | 54.7 |
| SY Longmire  | 48  | 32   | 1  | 61.7 | 14.6  | 53.5 | 66.3 | 42.7 | 54.5 | 54.2 |
| SY Valda     | 47  | 31   | 1  | 61.2 | 14.1  | 57.4 | 61.4 | 52.9 | 57.2 | 57.2 |
| TCG Badlands | 47  | 29   | 1  | 61.6 | 13.5  | --   | --   | 64.5 | --   | --   |
| TCG Teddy    | 48  | 30   | 1  | 60.4 | 14.2  | --   | 58.8 | 52.5 | 55.7 | 55.7 |
| TCG Wildcat  | 49  | 28   | 1  | 61.8 | 14.5  | 61.3 | 74.5 | 61.2 | 67.9 | 65.7 |
| TCG Zelda    | 47  | 30   | 1  | 61.5 | 14.5  | --   | --   | 59.2 | 59.2 | 59.2 |
| WB9590       | 46  | 27   | 1  | 61.3 | 14.1  | 59.0 | 66.9 | 59.2 | 63.1 | 61.7 |
| WB9719       | 47  | 29   | 1  | 63.1 | 13.97 | --   | 65.1 | 49.2 | 57.2 | --   |
| Trial mean   | 48  | 30   | 1  | 61.3 | 13.8  | 60.6 | 62.5 | 56.1 | --   | --   |
| C.V.%        | 1.2 | 12.1 | -- | 1.0  | 3.3   | 8.7  | 11.0 | 6.5  | --   | --   |
| LSD 5%       | 1   | 6    | NS | 1.0  | 0.7   | 8.6  | 11.0 | 5.9  | --   | --   |
| LSD 10%      | 1   | 5    | NS | 0.8  | 0.6   | 7.2  | 9.2  | 5.0  | --   | --   |

\*DAP = Days after planting.

\*\*Lodging: 1 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planting date: June 6, 2024

Harvest date: September 11, 2024

Seeding rate: 1.5 million live seeds/acre

Previous crop: soybeans

Tillage system: no-till

Soil type: Williams loam