



**SOUTH DAKOTA  
STATE UNIVERSITY**

College of Agriculture, Food and Environmental Sciences |  
SDSU Extension | South Dakota Agricultural Experiment Station

# 2026 South Dakota Winter Wheat Variety Trial Results - Faith

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**Location:** 44.983333°, -101.882500°

**Soil type:** Regent-Rhodes complex, 2-9% slopes

**Previous crop:** Spring Wheat

**Tillage:** No-till

**Row spacing:** 10"

**Seeding rate:** 1.2 million PLS/acre

**Fertilizer:**

- Starter: 10 gal/acre 10-25-0
- Other: 120 lbs of N/acre as UAN

**Herbicide:**

- Burndown: 32 oz/acre RT3
- Post: 16 oz/acre Perfectmatch

**Fungicide:** None

**Date seeded:** 9/30/2025

**Date harvested:** 8/06/2026



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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2026 at Faith, SD. Entries are sorted by overall 3-year yield. Varieties yielding in the top 1/3 of the trial are bold and shaded light blue.

| Variety               | Height §<br>(in) | Lodging*<br>(1-5) | Test Wt<br>(lbs) | Protein<br>% | 2024<br>(bu/a) | 2025<br>(bu/a) | 2026<br>(bu/a) | 2-year<br>(bu/a) | 3-year<br>(bu/a) |
|-----------------------|------------------|-------------------|------------------|--------------|----------------|----------------|----------------|------------------|------------------|
| AP 24AX               | 30               | 1                 | 54.8             | not          | <b>82.5</b>    | not            | <b>74.7</b>    | not              | <b>78.6</b>      |
| CP7017AX              | 25               | 1                 | 55.7             | reported     | <b>80.7</b>    | harvested      | <b>75.8</b>    | available        | <b>78.3</b>      |
| WB4422                | 28               | 1                 | 56.8             | -            | <b>85.0</b>    | -              | <b>70.5</b>    | -                | <b>77.7</b>      |
| CP7909                | 24               | 1                 | 55.8             | -            | 77.9           | -              | <b>74.0</b>    | -                | <b>76.0</b>      |
| SD PHEASANT           | 32               | 1                 | 56.4             | -            | <b>80.9</b>    | -              | 69.2           | -                | <b>75.0</b>      |
| SD ANDES              | 31               | 1                 | 58.0             | -            | 77.8           | -              | 69.2           | -                | 73.5             |
| LCS HELIX AX          | 30               | 1                 | 57.0             | -            | 77.0           | -              | 69.8           | -                | 73.4             |
| SD MIDLAND            | 32               | 1                 | 56.8             | -            | 78.6           | -              | 67.9           | -                | 73.3             |
| LCS WARBLER AX        | 24               | 1                 | 56.5             | -            | 78.4           | -              | 67.3           | -                | 72.8             |
| SD VIVIAN             | 31               | 1                 | 56.1             | -            | <b>80.3</b>    | -              | 61.1           | -                | 70.7             |
| CP7869                | 25               | 1                 | 55.0             | -            | 71.7           | -              | 69.7           | -                | 70.7             |
| DRAPER                | 28               | 1                 | 56.1             | -            | 71.9           | -              | 66.5           | -                | 69.2             |
| EXPEDITION            | 27               | 1                 | 57.3             | -            | 76.5           | -              | 60.7           | -                | 68.6             |
| AP CLAIR              | 28               | 1                 | 56.0             | -            | 66.3           | -              | 67.9           | -                | 67.1             |
| WINNER                | 30               | 1                 | 56.7             | -            | 73.3           | -              | 54.8           | -                | 64.1             |
| AP SUNBIRD            | 26               | 1                 | 56.1             | -            | -              | -              | 81.0           | -                | -                |
| AP TANGO              | 28               | 1                 | 55.7             | -            | -              | -              | 72.5           | -                | -                |
| CP7462                | 26               | 1                 | 53.0             | -            | -              | -              | 51.3           | -                | -                |
| CP7599CLP             | 28               | 1                 | 57.1             | -            | -              | -              | 70.1           | -                | -                |
| LCS ATOMIC AX         | 28               | 1                 | 56.3             | -            | -              | -              | 67.0           | -                | -                |
| LCS RADAR             | 29               | 1                 | 55.5             | -            | -              | -              | 66.0           | -                | -                |
| NE DAYBREAK           | 29               | 1                 | 55.9             | -            | -              | -              | 64.5           | -                | -                |
| NE FENSTER            | 36               | 1                 | 56.2             | -            | -              | -              | 54.3           | -                | -                |
| NE DUNBAR CLP         | 28               | 1                 | 56.7             | -            | -              | -              | 62.1           | -                | -                |
| WB4459AX              | 33               | 1                 | 55.1             | -            | -              | -              | 70.2           | -                | -                |
| WB4540                | 31               | 1                 | 54.3             | -            | -              | -              | 69.6           | -                | -                |
| <b>Trial Average#</b> | 29.7             | 1                 | 56.2             | -            | 76.6           | -              | 67.7           | -                | 72.2             |
| <b>LSD (0.05)†</b>    | -                | -                 | 1.3              | -            | 9.6            | -              | 10.6           | -                | -                |
| <b>C.V. %‡</b>        | -                | -                 | 1.6              | -            | 8.8            | -              | 10.9           | -                | -                |

\* Lodging score: 1, perfectly standing; to 5, completely flat.

# Corrected to 13% moisture. Note: Trial averages may include values from experimental lines that are not reported.

† Value required ( $\geq$ LSD) to determine if varieties are significantly different from one another.

‡ C.V. is a measure of variability or experimental error, 15% or less is considered acceptable.

§ Height is measured on first replication