



**SOUTH DAKOTA
STATE UNIVERSITY**
College of Agriculture, Food
and Environmental Sciences

South Dakota State University Extension
South Dakota Agricultural Experiment Station at SDSU

2021 South Dakota Winter Wheat Variety Trial Results Faith

Jonathan Kleinjan | SDSU Extension Agronomist
Christopher Graham | SDSU Extension Agronomist
Bruce Swan | Agricultural Research Manager
Kevin Kirby | Agricultural Research Manager
Shawn Hawks | Agricultural Research Manager

Cooperator: Bryant Schauer
Location: 44.970556°,-101.906111°
Soil Type: Rhoades-Daglum complex, 0-6% slopes
Previous crop: winter wheat
Tillage: no-till
Row spacing: 10"
Seeding Rate: 1.2 million PLS/acre
Fertilizer:
-Starter: 10 gal/acre 10-25-0-.25S
-Other: 40 gal/acre 28-0-0 mid-row banded
Herbicide:
-Burndown: not reported
-Post: none
Fungicide: none
Date seeded: 9/30/2020
Date harvested: 8/2/2021

SDSU Extension is an equal opportunity provider and employer in accordance with the nondiscrimination policies of South Dakota State University, the South Dakota Board of Regents and the United States Department of Agriculture.

Learn more at extension.sdstate.edu.

© 2021, South Dakota Board of Regents



2021 South Dakota Winter Wheat Variety Trial Results Faith

**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

Table 1. 2021 winter wheat variety performance trial results (average of four replications) at Faith, South Dakota. Entries are sorted by overall three-year yield. Varieties yielding in the top third of the trial are shaded light blue.

Variety	Height (in)	Lodging* (1-5)	Test Wt (lbs/bu)	Protein %	2019 (bu/a)#	2020 (bu/a)	2021 (bu/a)	2-year (bu/a)	3-year (bu/a)
Winner	not reported	not reported	59.0	12.4	71.0	82.7	85.8	84.2	79.8
Oahe	not reported	not reported	61.1	12.3	65.7	91.8	77.0	84.4	78.2
WB4462	-	-	60.1	12.9	68.0	66.7	81.5	74.1	72.1
Cowboy	-	-	59.6	12.3	63.7	78.7	73.4	76.1	71.9
Redfield	-	-	58.2	13.8	63.1	79.2	72.0	75.6	71.4
SD Andes	-	-	59.6	12.8	61.0	76.9	71.9	74.4	69.9
Draper	-	-	59.5	13.3	69.3	66.2	71.1	68.7	68.9
Thompson	-	-	58.6	13.3	57.4	71.7	76.5	74.1	68.5
Overland	-	-	60.5	13.1	61.0	66.2	76.7	71.5	68.0
Ideal	-	-	57.8	13.5	62.5	72.0	64.9	68.4	66.5
SY Wolverine	-	-	58.6	13.0	59.7	65.1	72.3	68.7	65.7
SY 517 CL2	-	-	59.9	13.4	54.6	64.2	77.4	70.8	65.4
Langin	-	-	53.9	12.2	54.1	60.5	73.9	67.2	62.8
Expedition	-	-	59.4	13.4	51.6	46.2	63.4	54.8	53.7
WB4309	-	-	58.5	12.9	-	73.9	78.7	76.3	-
ND Noreen	-	-	61.9	12.8	-	79.1	65.9	72.5	-
LCS Helix AX	-	-	60.6	12.4	-	69.1	75.9	72.5	-
Guardian	-	-	59.1	13.4	-	75.8	67.0	71.4	-
CP7017AX	-	-	58.8	12.6	-	79.3	62.2	70.7	-
CP7909	-	-	60.4	12.3	-	67.5	72.2	69.9	-
Crescent AX	-	-	60.2	12.6	-	64.6	68.1	66.4	-
AP 18AX	-	-	58.8	12.8	-	53.8	72.5	63.2	-
CP7050AX	-	-	61.7	12.9	-	53.8	67.4	60.6	-
AP Clair	-	-	58.1	13.6	-	-	71.8	-	-
AP Bigfoot	-	-	59.8	13.2	-	-	70.0	-	-
LCS Steel AX	-	-	59.0	12.4	-	-	69.9	-	-
Whistler	-	-	56.9	12.9	-	-	68.2	-	-
LCS Photon AX	-	-	61.2	13.2	-	-	67.8	-	-
LCS Chrome	-	-	58.8	13.3	-	-	66.4	-	-
LCS Julep	-	-	60.2	13.6	-	-	65.3	-	-
CP7869	-	-	58.0	13.5	-	-	64.1	-	-
MS Iceman	-	-	59.7	13.9	-	-	63.8	-	-
Trial Average#	-	-	59.0	13.1	61.6	71.0	70.6	71.1	68.8
LSD (0.05)†	-	-	3.1	0.9	9.5	11.0	8.6	-	-
C.V. %‡	-	-	3.7	4.8	10.9	11.1	8.8	-	-

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

Trial averages may include values from experimental lines that are not reported.

† Value required (≥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.