

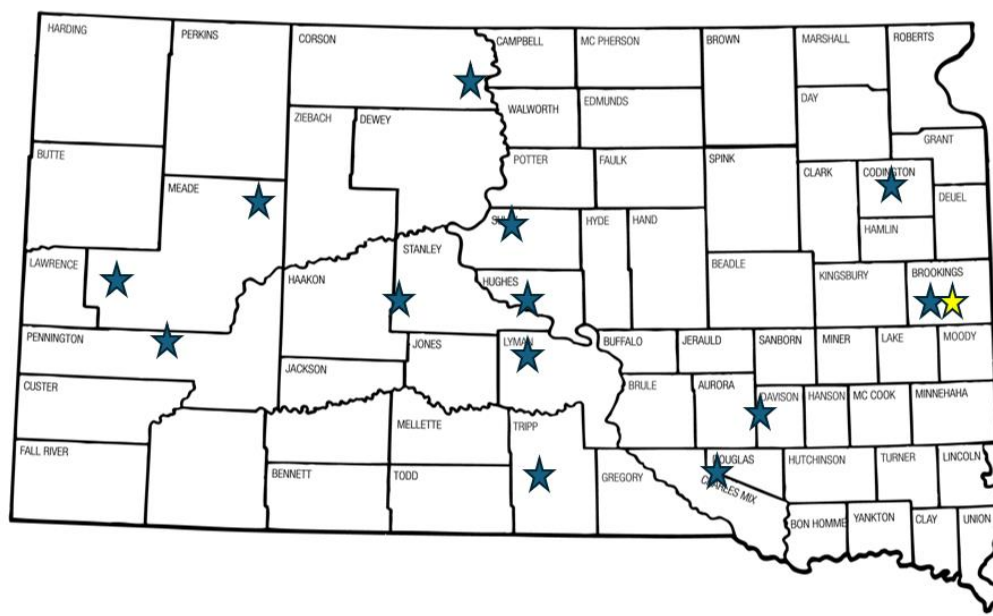


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College of Agriculture, Food and Environmental Sciences |
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2026 South Dakota Winter Wheat Variety Trial Results - Regional Summaries

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Eastern trial locations: Brookings, Mt. Vernon, Platte, South Shore

Central trial locations: Hayes, Onida, Pierre, McLaughlin, Vivian, Winner

Western trial locations: Faith, Sturgis, Wall

Individual trial location results can be accessed online at: extension.sdstate.edu/winter-wheat-variety-trial-results

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2026 South Dakota Winter Wheat Variety Trial Results Eastern Summary

Table 1. 2024-2026 winter wheat variety performance trial results for testing sites in eastern South Dakota. Varieties yielding in the top 1/3 of the trial are bold and shaded light blue.

Variety	2024	2025	2026			2-year			3-year		
	Yield (bu/a)	Yield (bu/a)	Yield (bu/a)	Test Wt (lbs)	Protein %	Yield (bu/a)	Test Wt (lbs)	Protein %	Yield (bu/a)	Test Wt (lbs)	Protein %
WINNER	84.2	75.6	66.8	60.4	13.0	71.2	58.9	13.0	75.6	58.5	13.0
SD VIVIAN	88.9	71.6	65.6	59.8	13.8	68.6	58.8	13.8	75.4	58.1	13.4
SD MIDLAND	81.3	68.8	71.6	60.1	12.6	70.2	58.3	12.8	73.9	57.8	12.6
SD ANDES	83.7	61.5	71.5	61.1	12.9	66.5	59.3	13.1	72.3	58.8	13.0
DRAPER	82.6	65.5	65.7	60.2	13.7	65.6	58.6	13.6	71.3	58.2	13.6
SD PHEASANT	72.2	65.4	70.9	60.1	13.4	68.1	58.3	13.6	69.5	57.8	13.5
WB4422	76.0	66.3	65.7	61.1	13.3	66.0	59.3	13.5	69.3	58.2	13.4
AP 24AX	81.0	59.3	63.2	59.9	12.3	61.2	58.1	12.5	67.8	57.6	12.3
LCS WARBLER AX	82.7	55.8	60.5	60.4	14.0	58.1	58.6	14.2	66.3	58.1	14.1
CP7017AX	76.2	60.4	61.4	60.5	12.9	60.9	58.4	12.8	66.0	58.0	12.7
AP CLAIR	71.4	61.7	63.2	60.2	13.5	62.4	58.5	13.7	65.4	58.0	13.6
CP7869	82.3	50.7	57.9	59.9	13.4	54.3	57.7	13.5	63.6	57.8	13.4
LCS HELIX AX	71.0	56.9	60.8	61.1	13.0	58.9	59.4	13.2	62.9	58.9	13.1
CP7909	71.4	53.8	58.4	60.0	12.8	56.1	58.2	12.9	61.2	57.7	12.8
EXPEDITION	64.9	57.9	53.5	60.2	14.6	55.7	58.7	14.0	58.8	57.4	13.1
AP SUNBIRD	–	61.9	65.7	61.0	12.7	63.8	57.6	13.1	–	–	–
CP7462	–	56.4	57.2	59.2	13.1	56.8	56.2	13.4	–	–	–
LCS RADAR	–	67.6	59.5	60.1	14.0	63.5	58.3	14.2	–	–	–
WB4540	–	67.2	64.7	58.9	13.3	65.9	57.3	13.4	–	–	–
AP TANGO	–	–	68.7	60.7	12.4	–	–	–	–	–	–
CP7599CLP	–	–	64.5	61.5	13.9	–	–	–	–	–	–
LCS ATOMIC AX	–	–	58.6	60.2	13.8	–	–	–	–	–	–
NE DAYBREAK	–	–	67.6	59.5	13.6	–	–	–	–	–	–
NE DUNBAR CLP	–	–	64.7	60.2	13.0	–	–	–	–	–	–
NE FENSTER	–	–	63.7	58.8	13.7	–	–	–	–	–	–
WB4459AX	–	–	62.2	57.2	12.4	–	–	–	–	–	–
Trial Average#	74.6	62.5	64.6	60.1	13.2	63.5	58.4	13.3	68.9	57.6	13.1
LSD (0.05)†	9.8	4.7	6.3	1.8	0.7	7.3	2.3	0.8	9.1	1.8	0.6
C.V. %‡	6.7	6.0	11.5	3.6	6.2	10.0	3.2	5.3	8.4	2.6	4.5

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.

Note: Eastern trial sites include Brookings, Mt. Vernon, Platte, and South Shore.



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2026 South Dakota Winter Wheat Variety Trial Results Central Summary

Table 2. 2024-2026 winter wheat variety performance trial results for testing sites in central South Dakota. Varieties yielding in the top 1/3 of the trial are bold and shaded light blue.

Variety	2024	2025	2026			2-year			3-year		
	Yield (bu/a)	Yield (bu/a)	Yield (bu/a)	Test Wt (lbs)	Protein %	Yield (bu/a)	Test Wt (lbs)	Protein %	Yield (bu/a)	Test Wt (lbs)	Protein %
AP 24AX	93.6	62.8	68.6	60.8	13.1	65.7	59.3	13.3	75.0	59.7	12.7
SD PHEASANT	83.0	64.9	70.5	61.8	14.2	67.7	60.4	14.3	72.8	60.6	13.5
SD ANDES	86.5	57.9	69.9	62.7	13.6	63.9	61.6	13.7	71.4	62.0	13.2
WB4422	87.0	57.1	69.2	62.6	14.4	63.1	61.4	14.6	71.1	61.6	13.8
SD MIDLAND	86.6	58.3	66.3	60.7	14.0	62.3	60.0	14.1	70.4	60.6	13.3
SD VIVIAN	81.5	63.9	65.8	61.8	14.2	64.9	60.5	14.4	70.4	61.0	13.6
WINNER	87.9	61.0	62.2	61.0	14.3	61.6	60.0	14.1	70.4	60.5	13.5
CP7017AX	84.0	62.2	64.9	61.7	13.3	63.5	60.6	13.4	70.3	60.6	12.8
LCS WARBLER AX	85.5	58.2	65.8	62.0	14.3	62.0	61.0	14.3	69.9	61.2	13.7
DRAPER	84.8	58.1	66.0	61.1	14.0	62.1	59.8	14.2	69.6	60.1	13.6
LCS HELIX AX	83.0	60.5	63.2	62.8	13.4	61.9	61.8	13.5	68.9	62.0	13.1
AP CLAIR	83.5	56.7	62.8	61.6	14.1	59.7	60.1	14.4	67.7	60.8	13.6
CP7909	79.9	55.0	60.3	60.7	14.0	57.6	59.8	14.1	65.1	60.0	13.3
CP7869	84.6	50.3	56.1	61.3	14.2	53.2	60.0	14.3	63.6	60.5	13.5
EXPEDITION	75.8	48.1	58.1	61.6	14.6	53.1	60.6	14.7	60.7	60.8	13.9
AP SUNBIRD	–	64.2	67.6	62.1	13.4	65.9	60.9	13.6	–	61.3	12.8
CP7462	–	54.9	48.6	58.9	14.4	51.8	58.0	14.4	–	58.3	13.7
LCS RADAR	–	58.0	60.0	61.0	14.4	59.0	51.8	14.6	–	60.2	13.9
WB4540	–	52.6	59.7	60.1	14.2	56.2	58.3	14.5	–	58.6	13.8
AP TANGO	–	–	64.9	61.0	13.4	–	–	–	–	–	–
CP7599CLP	–	–	64.5	63.3	14.7	–	–	–	–	–	–
LCS ATOMIC AX	–	–	63.9	61.8	13.2	–	–	–	–	–	–
NE DAYBREAK	–	–	63.5	60.2	14.1	–	–	–	–	–	–
NE DUNBAR CLP	–	–	61.5	60.6	14.2	–	–	–	–	–	–
NE FENSTER	–	–	61.8	60.0	14.8	–	–	–	–	–	–
WB4459AX	–	–	62.9	61.3	13.4	–	–	–	–	–	–
Trial Average#	82.7	58.6	64.3	61.2	13.9	61.5	60.2	14.0	68.5	60.3	13.4
LSD (0.05)†	6.4	6.5	6.8	1.2	0.6	6.6	1.3	0.6	6.5	1.1	0.5
C.V. %‡	8.2	7.9	10.9	1.5	6.3	10.0	1.4	5.4	9.4	1.3	5.1

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.

Note: Central trial sites include Hayes, Onida, Pierre, Selby/McLaughlin (2026), Vivian, and Winner.



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2026 South Dakota Winter Wheat Variety Trial Results Western Summary

Table 3. 2024-2026 winter wheat variety performance trial results for testing sites in western South Dakota. Varieties yielding in the top 1/3 of the trial are bold and shaded light blue.

Variety	2024	2025	2026			2-year			3-year		
	Yield (bu/a)	Yield (bu/a)	Yield (bu/a)	Test Wt (lbs)	Protein %	Yield (bu/a)	Test Wt (lbs)	Protein %	Yield (bu/a)	Test Wt (lbs)	Protein %
AP 24AX	82.1	76.9	53.9	54.9	13.5	65.4	55.9	12.9	71.0	57.0	11.8
SD MIDLAND	76.5	68.3	57.3	57.2	14.2	62.8	58.3	13.3	67.3	59.1	12.4
CP7017AX	82.2	66.1	53.7	56.6	13.5	59.9	57.8	13.1	67.3	59.1	12.0
SD PHEASANT	73.8	70.2	57.1	56.8	14.2	63.6	57.9	13.4	67.0	58.8	12.5
LCS WARBLER AX	78.1	71.1	51.3	56.5	14.1	61.2	58.8	13.2	66.8	58.9	12.5
CP7909	79.3	63.8	55.6	56.0	13.7	59.7	57.1	13.0	66.2	58.7	12.1
SD ANDES	74.2	61.5	61.2	58.5	13.6	61.3	59.4	13.0	65.6	60.2	12.3
SD VIVIAN	76.9	65.7	53.9	56.7	14.6	59.8	57.7	14.1	65.5	58.9	12.9
CP7869	77.4	–	53.3	56.5	14.0	53.3	57.6	13.5	65.4	59.0	12.6
WINNER	75.4	70.7	48.1	56.7	13.7	59.4	58.1	13.0	64.7	59.0	12.3
DRAPER	74.7	65.3	54.0	56.8	13.9	59.7	57.6	13.3	64.7	58.5	12.5
AP CLAIR	70.5	63.7	56.4	56.3	14.3	60.0	57.4	13.7	63.5	58.3	12.7
LCS HELIX AX	74.5	57.1	55.4	57.6	13.1	56.2	58.6	12.8	62.3	59.5	11.9
EXPEDITION	70.7	57.1	48.1	57.8	14.5	52.6	58.2	14.1	58.7	59.1	13.0
AP SUNBIRD	–	62.4	57.5	57.1	14.1	60.0	58.1	13.5	–	–	–
CP7462	–	63.6	47.5	54.5	13.8	55.5	55.3	13.6	–	–	–
LCS RADAR	–	65.4	52.6	56.2	13.9	59.0	57.2	13.5	–	–	–
WB4540	–	68.1	51.2	54.8	14.7	59.7	55.8	13.8	–	–	–
AP TANGO	–	–	56.4	55.2	13.6	–	–	–	–	–	–
CP7599CLP	–	–	51.9	57.3	13.8	–	–	–	–	–	–
LCS ATOMIC AX	–	–	50.4	57.2	13.9	–	–	–	–	–	–
NE DAYBREAK	–	–	53.7	55.6	14.1	–	–	–	–	–	–
NE DUNBAR CLP	–	–	50.2	56.2	14.6	–	–	–	–	–	–
NE FENSTER	–	–	49.0	56.0	14.3	–	–	–	–	–	–
WB4422	–	–	59.6	57.5	14.8	–	–	–	–	–	–
WB4459AX	–	–	54.4	56.4	14.1	–	–	–	–	–	–
Trial Average#	74.8	66.2	54.6	56.6	13.9	60.4	57.3	13.2	65.2	57.8	12.4
LSD (0.05)†	11.3	7.8	9.1	1.4	0.8	9.8	2.7	0.9	10.7	6.3	0.7
C.V. %‡	9.9	9.6	11.1	1.7	4.1	12.4	5.0	5.1	11.7	6.4	4.6

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.

Note: Western trial sites include Faith, Sturgis, and Wall.

CP7869 was not tested in Western Locations in 2025.