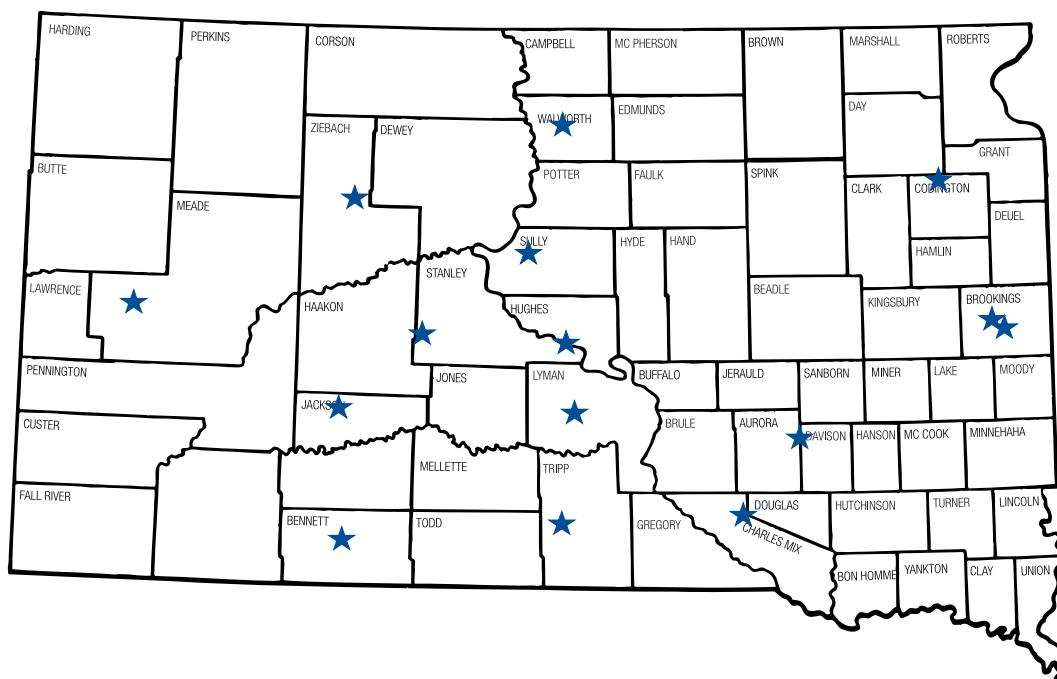


2025 South Dakota Winter Wheat Variety Trial Results - Regional Summaries

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

Central trial locations: Hayes, Onida, Pierre, Selby, 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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2025 South Dakota Winter Wheat Variety Trial Results Eastern Summary

Table 1. 2023-2025 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	2023	2024	2025			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	59.0	84.2	75.6	54.8	13.1	83.0	57.3	13.0	78.6	57.5	13.3
SDAndes	61.1	83.7	61.5	56.3	13.3	78.6	58.4	13.0	76.0	58.9	13.1
SDMidland	66.1	81.3	68.8	55.4	13.4	79.9	57.4	12.8	75.6	57.7	13.0
Draper	56.2	82.6	65.5	54.4	13.7	79.2	56.8	13.5	74.0	57.0	13.6
WB4422	59.0	76.0	66.3	54.9	13.9	73.3	56.1	13.5	71.2	56.8	13.8
SDPheasant	58.8	72.2	65.4	55.6	13.6	70.0	56.3	12.6	70.7	57.2	13.0
CP7869	54.2	82.3	50.7	52.1	13.7	74.3	56.2	13.3	70.3	56.3	13.4
CP7017AX	56.2	76.2	60.4	53.1	12.8	72.0	56.3	12.6	69.1	56.5	12.8
MSMaverick	63.6	76.9	58.1	54.6	14.2	71.2	56.9	13.4	69.0	57.4	13.5
CP7266AX	54.5	78.8	47.5	52.6	13.0	71.2	56.1	13.2	68.6	56.4	13.4
Ideal	55.7	71.2	67.1	55.6	13.2	70.9	56.7	12.8	67.9	57.0	13.0
APClair	56.6	71.4	61.7	53.4	13.7	69.4	55.9	13.0	67.5	56.3	13.3
APBigfoot	52.8	70.9	69.7	53.4	13.2	71.1	55.5	12.8	66.8	55.8	13.1
LCSHelixAX	56.2	71.0	56.9	53.6	13.1	69.0	56.7	12.9	66.3	57.2	13.1
CrescentAX	54.5	72.8	55.5	53.4	13.2	68.8	56.5	12.9	66.2	56.8	13.1
CP7909	56.9	71.4	53.8	53.7	13.2	66.7	56.0	12.8	66.0	56.4	12.9
KivariAX	55.5	68.9	43.1	49.8	13.0	61.2	53.5	12.4	61.9	54.7	12.6
Expedition	50.2	64.4	57.9	54.5	13.7	62.4	55.7	13.0	60.4	56.2	13.4
AP24AX	–	81.0	59.3	51.8	13.2	76.5	55.4	12.8	–	–	–
LCSWarbirdAX	–	82.7	55.8	54.0	13.6	76.5	57.5	13.6	–	–	–
LCSJulep	–	72.1	69.0	56.1	14.1	72.7	57.3	13.5	–	–	–
AACVortex	–	–	60.3	55.3	14.2	–	–	–	–	–	–
APSunbird	–	–	61.9	53.2	13.5	–	–	–	–	–	–
CO19D087R	–	–	55.2	51.0	13.2	–	–	–	–	–	–
CP7050AX	–	–	54.0	53.0	14.1	–	–	–	–	–	–
CP7319AX	–	–	62.0	54.4	14.1	–	–	–	–	–	–
CP7462	–	–	56.4	49.0	13.9	–	–	–	–	–	–
LCSAries	–	–	60.4	53.6	13.1	–	–	–	–	–	–
LCSMojo	–	–	66.3	53.9	13.5	–	–	–	–	–	–
LCSRadar	–	–	67.6	54.6	14.0	–	–	–	–	–	–
LCSSteelAX	–	–	66.0	55.3	12.8	–	–	–	–	–	–
WB4540	–	–	67.2	53.2	13.6	–	–	–	–	–	–
Trial Average#	66.0	74.6	62.5	54.0	13.6	71.7	55.9	13.1	69.5	56.4	13.3
LSD (0.05)†	4.0	9.8	4.7	1.5	0.5	10.9	1.9	0.6	9.6	1.8	0.6
C.V. %‡	7.6	6.7	6.0	1.6	3.0	6.5	1.5	3.1	7.0	1.8	3.2

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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2025 South Dakota Winter Wheat Variety Trial Results Central Summary

Table 1. 2023-2025 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	2023	2024	2025			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 %
SDPheasant	60.8	83.0	64.9	57.6	14.1	74.0	59.3	13.0	69.6	60.1	13.2
Winner	56.1	87.9	61.0	57.6	13.9	74.4	59.8	13.0	68.3	59.9	13.1
SDMidland	59.8	86.6	58.3	58.2	13.9	72.4	60.2	12.9	68.2	60.3	12.7
SDAndes	57.3	86.5	57.9	58.8	13.9	72.2	61.1	13.0	67.2	61.1	13.0
WB4422	56.4	87.0	57.1	58.0	14.7	72.0	60.1	13.4	66.8	60.5	13.4
CP7017AX	53.2	84.0	62.2	58.4	13.3	73.1	59.6	12.5	66.4	59.8	12.6
KivariAX	53.7	83.2	61.4	56.6	12.7	72.3	58.4	11.8	66.1	59.2	11.9
MSMaverick	57.1	84.1	57.0	58.0	14.5	70.6	60.0	13.5	66.1	60.3	13.5
Draper	54.5	84.8	58.1	56.8	14.2	71.4	58.8	13.4	65.8	59.2	13.4
Ideal	57.9	79.9	59.4	57.7	14.2	69.7	59.5	13.2	65.8	60.1	13.0
LCSHelixAX	51.5	83.0	60.5	59.3	13.5	71.8	60.5	12.7	65.0	60.6	12.9
APBigfoot	50.1	81.0	59.1	57.2	14.1	70.0	59.2	13.0	63.4	59.5	13.1
APClair	49.6	83.5	56.7	57.5	14.3	70.1	59.8	13.0	63.3	60.0	13.2
CP7869	53.3	84.6	50.3	57.4	14.4	67.4	59.4	13.2	62.7	59.6	13.1
CP7909	51.1	79.9	55.0	57.7	14.0	67.5	59.2	12.9	62.0	59.5	12.8
CrescentAX	48.5	81.0	55.6	57.7	13.8	68.3	59.7	12.7	61.7	59.9	12.8
CP7266AX	50.0	85.6	48.4	56.5	14.2	67.0	58.6	13.2	61.3	59.1	13.2
Expedition	48.8	75.8	48.1	57.9	14.7	62.0	59.6	13.6	57.6	60.2	13.6
AP24AX	–	93.6	62.8	56.1	13.4	78.2	58.5	12.5	–	–	–
LCSWarbirdAX	–	85.5	58.2	58.5	13.9	71.9	60.2	13.2	–	–	–
LCSJulep	–	84.9	61.3	60.0	14.5	73.1	61.1	13.5	–	–	–
AACVortex	–	–	44.9	55.2	15.4	–	–	–	–	–	–
APSunbird	–	–	64.2	58.3	13.5	–	–	–	–	–	–
CO19D087R	–	–	59.8	55.6	13.2	–	–	–	–	–	–
CP7050AX	–	–	53.8	59.2	14.6	–	–	–	–	–	–
CP7319AX	–	–	51.9	58.8	14.3	–	–	–	–	–	–
CP7462	–	–	54.9	56.1	14.2	–	–	–	–	–	–
LCSAries	–	–	60.2	59.3	13.4	–	–	–	–	–	–
LCSMojo	–	–	58.8	56.9	13.8	–	–	–	–	–	–
LCSRadar	–	–	58.0	57.2	14.6	–	–	–	–	–	–
LCSSteelAX	–	–	55.2	56.5	13.7	–	–	–	–	–	–
WB4540	–	–	52.6	54.6	14.6	–	–	–	–	–	–
Trial Average#	54.1	82.7	58.6	57.6	14.0	59.3	13.1	70.7	59.7	13.1	66.6
LSD (0.05)†	4.7	6.4	6.5	1.4	0.6	1.1	0.5	6.5	1.0	0.5	5.3
C.V. %‡	9.7	8.2	7.9	1.4	3.9	1.3	4.4	8.4	1.2	4.1	8.6

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: Central trial sites include Hayes, Onida, Pierre, Selby, Vivian, and Winner.



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2025 South Dakota Winter Wheat Variety Trial Results Western Summary

Table 1. 2023-2025 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	2023	2024	2025			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 %
CP7869	72.7	77.4	-	-	-	77.4	60.1	11.9	75.1	59.5	12.4
SDPheasant	79.6	73.8	70.2	61.4	12.9	72.0	59.8	11.7	74.5	59.0	12.6
SD20B088-2	79.6	77.9	65.7	61.3	13.5	71.8	60.2	11.9	74.4	58.9	12.7
Winner	74.4	75.4	70.7	61.6	12.8	73.1	60.3	11.6	73.5	59.6	12.5
SDAndes	84.6	74.2	61.5	62.7	12.2	67.8	61.3	11.6	73.4	60.3	12.1
SDMidland	72.6	76.5	68.3	61.6	12.3	72.4	60.1	11.5	72.5	59.2	12.1
CP7017AX	65.1	82.2	66.1	59.9	12.7	74.1	60.0	11.0	71.1	59.4	11.7
MSMaverick	70.0	80.7	61.9	60.9	13.2	71.3	60.3	11.8	70.9	59.1	12.8
KivariAX	72.7	79.6	59.8	58.9	12.2	69.7	58.9	10.6	70.7	58.6	11.2
Draper	71.9	74.7	65.3	60.3	12.7	70.0	59.4	11.8	70.6	58.8	12.6
Ideal	68.1	75.8	67.7	61.3	12.7	71.7	60.0	11.5	70.5	59.0	12.3
APBigfoot	62.5	77.0	69.3	61.2	13.1	73.1	60.3	11.6	69.6	59.6	12.3
CP7266AX	60.8	75.4	67.1	59.8	12.8	71.2	59.1	11.6	67.8	58.4	12.2
CP7909	60.1	79.3	63.8	58.3	12.3	71.5	59.9	11.3	67.7	59.0	11.9
LCSHelixAX	67.9	74.5	57.1	61.2	12.0	65.8	60.3	11.4	66.5	59.8	12.2
CrescentAX	56.2	77.5	64.5	60.5	12.2	71.0	59.8	11.2	66.1	59.2	12.2
Expedition	56.0	70.7	57.1	59.8	13.3	63.9	59.9	12.0	61.3	59.1	12.8
APClair	46.9	70.5	63.7	60.3	13.1	67.1	58.4	11.9	60.4	57.5	12.6
AP24AX	-	82.1	76.9	59.6	12.4	79.5	58.3	10.9	-	-	-
LCSWarbirdAX	-	78.1	71.1	61.1	12.8	74.6	60.4	11.7	-	-	-
LCSJulep	-	71.5	68.5	62.5	13.2	70.0	60.7	12.2	-	-	-
AACVortex	-	-	48.7	61.8	14.7	-	-	-	-	-	-
APSunbird	-	-	62.4	62.3	13.0	-	-	-	-	-	-
CO19D087R	-	-	64.2	58.3	12.2	-	-	-	-	-	-
CP7050AX	-	-	61.4	62.4	13.3	-	-	-	-	-	-
CP7319AX	-	-	68.0	62.1	12.5	-	-	-	-	-	-
CP7462	-	-	63.6	58.7	13.2	-	-	-	-	-	-
LCSAries	-	-	58.9	60.0	12.2	-	-	-	-	-	-
LCSMojo	-	-	72.6	61.0	12.3	-	-	-	-	-	-
LCSRadar	-	-	65.4	60.0	13.7	-	-	-	-	-	-
LCSSteelAX	-	-	61.6	59.8	12.7	-	-	-	-	-	-
WB4540	-	-	68.1	58.9	13.6	-	-	-	-	-	-
Trial Average#	67.0	74.8	66.2	60.6	12.8	72.5	59.0	11.7	70.6	58.4	12.4
LSD (0.05)†	16.1	11.3	7.8	1.2	0.9	13.3	10.0	0.8	14.3	7.3	0.7
C.V. %‡	9.2	9.9	9.6	1.5	4.9	9.8	6.2	3.8	9.6	5.1	3.5

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

CP7869 was not tested in Western Locations in 2025.