



Cheyenne County Rainfed 2023 Spring Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Seed Weight (1000 seeds/lb)
Ascend-SD	SDSU	86.0	61.3	13.9	17,518
Brawn-SD	SDSU	84.8	61.7	12.7	15,576
WB9303	WestBred/Bayer	81.5	59.4	14.0	12,978
SD4905	SDSU	80.4	60.0	13.5	15,202
WB9215	WestBred/Bayer	75.8	55.0	13.2	17,818
Driver	SDSU	74.5	59.8	13.9	16,938
AP Revolution	AgriPro	73.4	60.0	13.5	16,538
SD4944	SDSU	72.0	56.6	14.1	19,706
WB9719	WestBred/Bayer	70.3	60.6	13.0	16,321
WB9606	WestBred/Bayer	68.9	57.4	12.3	18,573
	Standard Error	3.5	0.4	0.2	422
	LSD³	5.9	0.8	0.3	712
	Mean⁴	76.8	59.2	13.4	16,717
	CV⁵	4.6	0.8	1.2	2.5
	Reps	5	5	5	5

SITE INFORMATION

Collaborator: UNL High Plains Agricultural Lab, Sidney, NE
 Planting Date: April 10, 2023
 Seeding Rate: 1.5 million seeds/acre
 Harvest Date: August 21, 2023
 Fertility: 20 lbs P/A as 40 Rock at planting
 Planting Info: Planted 1.5" into excellent soil moisture using 10" row spacing on a no-till drill in no-till corn fallow
 Notes on Trial: Very good yields and test weights, planting delayed due to weather, but overall performance excellent.

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¹ Yield values corrected to 12% moisture. Bolded values indicate highest LSD grouping.

² Protein corrected to 14% moisture, the correction factor used in analytical standards.

³ For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

⁴ Mean performance of all entries in the trial.

⁵ Coefficient of Variation (CV) indicates the quality of a trial, and lower than 15 indicates a high-quality trial. For CV>15, there was higher than expected variability in the field or the data and the results should be used with caution.