



UNIVERSITY of NEBRASKA
LINCOLN

Kimball County Rainfed 2023 Spring Wheat Variety Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Protein (%) ²	Seed Weight (1000 seeds/lb)
SD4944	SDSU	39.0	57.6	14.2	16,868
WB9719	WestBred/Bayer	37.2	58.5	13.2	14,799
AP Revolution	AgriPro	37.2	57.3	14.9	15,811
Driver	SDSU	36.8	57.8	14.2	15,752
WB9606	WestBred/Bayer	35.9	58.0	13.7	15,318
WB9215	WestBred/Bayer	35.3	54.0	14.2	15,873
WB9303	WestBred/Bayer	33.4	52.8	15.4	14,428
Ascend-SD	SDSU	32.5	57.6	14.9	17,327
SD4905	SDSU	31.3	56.2	15.2	16,108
Brawn-SD	SDSU	29.6	58.4	13.4	15,663
	Standard Error	2.2	0.6	0.3	281
	LSD³	3.8	1.0	0.5	475
	Mean⁴	34.8	56.8	14.4	15,795
	CV⁵	6.4	1.0	2.0	1.8
	Reps	5	5	5	5

SITE INFORMATION

Collaborator: Chad Bomberger, Freeburg Farms, Albin, WY
Planting Date: March 30, 2023
Seeding Rate: 1.5 million seeds/acre
Harvest Date: August 23, 2023
Fertility: 20 lbs P/A as 40 Rock at planting
GPS: 41.393739, -103.937308
Planting Info: Planted 1-1.25" into decent soil moisture using 10" row spacing on a no-till drill in no-till corn fallow
Notes on Trial: Moderate performance with some weed pressure, but improved yields and performance over 2021 and 2022 trials.

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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.