



UNIVERSITY of NEBRASKA
LINCOLN

2020 Spring Wheat Variety Trial Summary

Name	Company	Cheyenne	Dawes	Perkins	Red Willow	Average	Cheyenne	Dawes	Perkins	Red Willow	Average
		Yield (bu/ac) ¹					Protein (%) ²				
LCS Cannon	Limagrain Cereal Seeds	9.7	17.1	14.2	25.9	16.7	13.1	12.4	17.9	16.0	14.8
ND VitPro	NDCIA ³	9.6	14.8	13.7	28.8	16.7	14.2	13.5	18.8	14.9	15.4
WB9606	WestBred	10.7	16.8	11.2	26.9	16.4	12.9	12.2	17.4	14.7	14.3
ND Frohberg	NDCIA	11.6	17.0	10.8	24.9	16.0	14.1	14.0	18.7	15.6	15.6
WB9590	WestBred	9.7	14.7	13.1	25.7	15.8	14.4	14.2	19.1	15.4	15.8
LCS Rebel	Limagrain Cereal Seeds	10.7	17.7	11.2	23.0	15.7	13.6	12.5	19.5	16.4	15.5
Surpass	SDSU ⁴	11.1	.	12.0	23.3	15.4	12.7	.	18.5	16.0	15.7
WB7202CLP	WestBred	7.4	15.9	12.8	23.4	14.9	12.7	11.9	18.4	15.8	14.7
WB7696	WestBred	6.4	14.8	11.3	26.3	14.7	12.7	12.5	19.1	15.4	14.9
LCS Trigger	Limagrain Cereal Seeds	11.1	16.2	9.1	22.4	14.7	13.2	12.3	19.1	17.0	15.4
CP3530	CROPLAN by WinfieldUnited	7.3	16.1	12.0	22.9	14.6	13.5	13.0	19.2	15.1	15.2
WB9719	WestBred	10.6	14.3	13.4	19.9	14.6	13.6	13.5	18.8	15.6	15.4
Prevail	SDSU	8.5	.	14.4	18.3	13.7	13.2	.	18.2	16.5	16.0
Boost	SDSU	10.9	14.4	11.6	17.5	13.6	14.7	14.0	18.4	16.8	16.0
LNR-2076	Limagrain Cereal Seeds	11.4	11.6	10.7	20.4	13.5	14.0	13.0	18.0	15.4	15.1
CP3915	CROPLAN by WinfieldUnited	9.6	13.5	9.8	17.4	12.6	13.6	13.5	19.7	16.8	15.9
SY Rustler	AgriPro-Syngenta	8.1	13.3	10.7	14.8	11.7	13.7	14.2	18.7	16.6	15.8
	Standard Error	1.4	1.7	2.0	4.7	1.4	0.4	0.5	0.3	0.9	0.5
	LSD⁵	2.4	2.9	NS	NS	.	0.7	0.9	0.5	NS	.
	Mean⁶	9.7	15.2	11.9	22.5	14.8	13.5	13.1	18.7	15.9	15.4
	CV⁷	15.8	10.7	.	.	.	4.5	5.8	3.1	.	.

¹ Yield values corrected to 12% moisture.

² Preliminary protein values, awaiting final data from lab analysis. Corrected to 14% moisture.

³ NDCIA; North Dakota Crop Improvement Association

⁴ SDSU; South Dakota State University

⁵ For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

⁶ Mean performance of all entries in the trial.

⁷ 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.

SITE INFORMATION

Metadata	Cheyenne	Dawes	Perkins	Red Willow
Planting Date	3/26/2020	4/9/2020	3/11/2020	3/13/2020
Harvest Date	7/24/2020	7/27/2020	7/23/2020	7/23/2020
Seeding Rate	1.5 million seeds/acre			
Cooperator	High Plains Ag Lab; Sidney, NE	Mark Detzen; Whitney, NE	Stumpf Farm; Grant, NE	Peters Seed Farm; McCook, NE
GPS	41.233966 -103.003239	42.6889 -103.2244	40.850604 -101.695796	40.156667 -100.806389

Notes: For Perkins and Red Willow Counties, there were no significant differences between varieties for yield; the protein values also did not differ between varieties significantly in Red Willow County. Four replications were evaluated at each site.

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