



**CROP PERFORMANCE  
TESTING**

**Cheyenne County Rainfed  
2021 Corn Hybrid Trial**

Name	Company	Relative Maturity (days) <sup>1</sup>	Test Weight (lb/bu)	Yield (bu/ac) <sup>2</sup>	Final Stand (plants/acre)
Farm Check	NA	105	53.2	68.0	15,101
Mission_A9567VT2P	308 Ag/FBN	95	53.4	68.0	14,984
197-66VT2PRIB	Channel Seed	97	54.8	61.7	14,346
Farm Check	NA	93	55.1	61.0	14,230
193-53VT2PRIB	Channel Seed	93	54.7	59.1	15,101
192-08VT2PRIB	Channel Seed	92	54.6	58.9	13,997
194-49DGV2PRIB	Channel Seed	94	55.2	56.2	14,113
Mission_A9436VT2P_0	308 Ag/FBN	94	54.7	55.6	13,649
Mission_A9447VT2P	308 Ag/FBN	94	55.5	55.6	14,636
D48QV22	DynaGro Seeds	108	49.1	40.6	15,101
	<b>Standard Error</b>	-	0.6	4.6	507
	<b>LSD<sup>3</sup></b>	-	1.1	7.8	856
	<b>Mean<sup>4</sup></b>	-	54.0	58.5	14,526
	<b>CV<sup>5</sup></b>	-	1.2	7.9	3.5
	<b>Reps</b>	-	5	5	5

<sup>1</sup> Relative maturities are provided by the respective companies and determination of rating may vary by company.

<sup>2</sup> Yield values based on 56 lb/bu test weight and corrected to 15.5% moisture.

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

<sup>4</sup> Mean performance of all entries in the trial.

<sup>5</sup> 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**

Collaborator: High Plains Agricultural Lab, Sidney, NE  
Planting Date: May 19, 2021  
Target Population 15,000 seeds/acre  
Harvest Date: October 7, 2021  
Fertility: 70 lbs of N as 32-0-0 preplant; 5 gal/acre 10-34-0 in-furrow at planting  
Herbicide/Fungicides: Pre-plant burndown, 32 oz RoundUp and 16 oz 2,4-D  
Soil Type: Alliance loam  
GPS: 41.2365462, -102.9982112  
Notes: Planted into no-till wheat stubble. Two maturity/farm checks included.

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