



UNIVERSITY of NEBRASKA  
LINCOLN

## Cheyenne County Rainfed 2025 Grain Sorghum Hybrid Trial

Name	Company	Yield (bu/ac) <sup>1</sup>	Test Weight (lb/bu)	Stand (pl/a)	Plant Height (in)	Days to 50% Bloom
BH 3818	BH Genetics	<b>34.0</b>	<b>53.5</b>	37,902	29.4	<b>73.1</b>
BH 3520	BH Genetics	<b>32.8</b>	<b>52.0</b>	39,475	<b>32.1</b>	<b>71.8</b>
AS212	Arrow Seed	<b>32.6</b>	<b>52.6</b>	30,484	<b>32.2</b>	<b>70.2</b>
M62GC23	DYNA-GRO	<b>32.0</b>	50.5	39,393	30.4	74.6
M59GB57	DYNA-GRO	<b>30.5</b>	51.4	40,095	30.3	<b>71.6</b>
BH 3701C	BH Genetics	<b>30.0</b>	50.7	<b>43,151</b>	<b>31.5</b>	<b>73.4</b>
SP 43M80	Warner Seeds	<b>29.7</b>	<b>53.5</b>	<b>41,339</b>	<b>33.7</b>	<b>71.7</b>
SP 29A27 DT2	Warner Seeds	<b>29.3</b>	51.2	31,250	31.4	<b>71.1</b>
M54GR24	DYNA-GRO	<b>28.7</b>	<b>52.2</b>	35,998	30.5	<b>70.7</b>
SP 31A15	Warner Seeds	24.1	49.8	34,090	29.1	76.6
M60GB88	DYNA-GRO	23.2	51.2	29,056	<b>32.3</b>	<b>72.5</b>
251	Warner Seeds <sup>2</sup>	21.6	50.1	32,165	27.3	<b>71.4</b>
SP 59C30 DT2	Warner Seeds	19.1	49.4	32,623	28.8	84.0
SP 28C17 DT2	Warner Seeds	11.9	47.2	34,581	31.2	75.7
Summary Statistics						
Standard Error		4.3	1.0	1,547	1.3	2.1
LSD <sup>3</sup>		7.2	1.7	2,571	2.2	3.6
Mean <sup>4</sup>		27.1	51.1	35,829	30.7	73.5
CV <sup>5</sup>		15.9	2.1	4.3	4.2	2.9
Reps		8	8	8	8	8

### SITE INFORMATION

Collaborator:	UNL High Plains Ag Lab, Sidney, NE; Jake Hansen, Farm Manager
Planting Date:	6/4/2025
Target Seeding Rate:	50,000 seeds/a
Harvest Date:	11/5/2025
Fertility:	Pre-emerge application of 50 lb/a N with herbicide; 9 gal/a 10-34-0 in furrow at planting
Herbicide/Fungicides:	Pre-emerge application of 1 lb/a atrazine and 2.4 pt Warrant
Soil Type:	Keith loam
GPS:	41.250844, -103.005274

<sup>1</sup> Yield values corrected to 15.5% moisture content and assume 56 lb/bu test weight. Bolded values indicate highest LSD grouping.

<sup>2</sup> Warner Seeds now owns genetics, formerly Sorghum Partners.

<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 plots 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.

Planting Info:	Planted 1-1.25” into tilled fallow field
Notes on Trial:	Good emergence and initial stand, but some variable lodging closer to harvest. A few later-maturing varieties had very low seed set resulting in poorer yields, likely the cause of the higher than ideal CV for yield.

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