



UNIVERSITY of NEBRASKA
LINCOLN

Perkins County Rainfed 2025 Grain Sorghum Hybrid Trial

Name	Company	Yield (bu/ac) ¹	Test Weight (lb/bu)	Stand (pl/a)	Plant Height (in)
BH 3818	BH Genetics	110.1	53.6	50,191	43.6
M59GB57	DYNA-GRO	95.4	52.7	48,815	43.5
M62GB36	DYNA-GRO	87.8	54.3	38,990	49.5
M60GB88	DYNA-GRO	79.5	53.3	43,206	50.4
BH 3520	BH Genetics	73.9	52.6	46,162	47.6
BH 3701C	BH Genetics	71.7	53.1	50,867	49.3
M54GR24	DYNA-GRO	68.1	55.2	46,730	44.9
M62GC23	DYNA-GRO	68.0	53.0	47,664	48.9
AS212	Arrow Seed	66.3	54.9	41,438	46.6
M66GR32	DYNA-GRO	65.7	55.0	44,410	50.9
AS258R	Arrow Seed	65.7	51.9	43,300	56.3
AS236W	Arrow Seed	53.4	52.1	43,757	52.6
Summary Statistics					
Standard Error		7.1	0.6	2,700	0.9
LSD ²		11.9	1.0	4,509	1.5
Mean ³		75.5	53.9	45,461	48.7
CV ⁴		9.35	1.1	5.9	1.8
Reps		8	8	8	8

SITE INFORMATION

Collaborator: UNL Stumpf International Wheat Research Center, Grant, NE; Justin Richardson, Farm Manager

Planting Date: 6/10/2025

Target Seeding Rate: 65,000 seeds/a

Harvest Date: 11/14/2025

Fertility: 9 gal 10-34-0 in furrow at planting

Soil Type: Kuma and Alliance silt loams

GPS: 40.844425, -101.686936

Planting Info: Planted 1.25" into no-till wheat fallow (wheat in 2023) with good soil moisture

Notes on Trial: Fairly uniform stands, but lower than ideal assuming a 65,000 s/a target and 85% germination. Early season vigor was uneven but overall yields reflected an average harvest and lower yielding varieties generally corresponded to those with later maturities.

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

² For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

³ Mean performance of all plots in the trial.

⁴ 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.

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