



UNIVERSITY of NEBRASKA
LINCOLN

Clay County Rainfed 2025 Grain Sorghum Hybrid Trial

Name	Company	Test Weight (lb/bu)	Stand (pl/a)	Plant Height (in)
M66GR32	DYNA-GRO	46.6	61,683	56.0
BH 4820	BH Genetics	47.3	62,261	54.5
M70GR37	DYNA-GRO	46.2	52,256	53.9
AS258R	Arrow Seed	34.0	54,106	64.3
AS236W	Arrow Seed	37.4	51,120	53.1
M62GB36	DYNA-GRO	42.9	54,030	56.5
M62GC23	DYNA-GRO	33.4	63,717	50.8
BH 4220	BH Genetics	44.1	64,453	54.4
BH 3818	BH Genetics	.	62,049	44.9
AS212	Arrow Seed	.	55,507	41.3
Summary Statistics				
Standard Error		3.0	2,902	1.2
LSD ¹		5.1	4,844	2.1
Mean ²		41.5	58,118	53.0
CV ³		7.1	5.0	2.3
Reps		8	8	8

SITE INFORMATION

Collaborator:	USDA MARC
Planting Date:	6/2/2025
Target Seeding Rate:	90,000 seeds/a
Harvest Date:	11/13/2025
Fertility:	9 gal 10-34-0 in furrow at planting; manually side-dressed with 100 lb/a 46-0-0
Herbicide/Fungicides:	32 oz/a glyphosate pre-plant burndown; Peak, Warrant, 2,4-D applied at labeled rates post-emerge
Soil Type:	Crete and Hastings silt loams
GPS:	Restricted access site, NA
Planting Info:	Planted 1.25" into no-till terminated rye cover crop
Notes on Trial:	Lower than anticipated stand, likely due to heavy cover crop residue and early season pigweed pressure before Peak application. Yields were highly variable and overall average was 32.9 bu/a. However, M66GR32 and BH 4820 stood out with mean performances of 62 bu/a, and M70GR37 with 53 bu/a. Remaining hybrids tested had poor seed set and contributed to a higher than acceptable CV. Do not reprint without permission. Contacts: Amanda Easterly or Cody Creech

¹ For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

² Mean performance of all plots in the trial.

³ 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.