



UNIVERSITY of NEBRASKA
LINCOLN

Lancaster County Rainfed 2024 Grain Sorghum Hybrid Trial

Name	Company	Head Color ¹	Yield (bu/ac) ²	Test Weight (lb/bu)	Plant Height (in)	Stand (plants/acre)
M70GR37	DYNAGRO	BR*	119.8	56.2	52.4	58,793
M67GB87	DYNAGRO	BR	116.2	54.2	51.6	53,082
M62GB36	DYNAGRO	BR*	115.9	56.1	50.9	54,462
DKS45-23	DeKalb	R*	113.6	56.9	50.0	79,045
SP 66M16	Sorghum Partners	BR	112.9	53.4	48.4	64,230
M72GB71	DYNAGRO	BR	112.2	56.1	53.2	66,720
M63GB78	DYNAGRO	BR	111.8	55.7	52.4	59,059
M62GC23	DYNAGRO	C	110.2	55.3	49.2	65,635
BH 3701C	BH Genetics	C	110.1	55.5	50.4	68,712
M71GR91	DYNAGRO	R	108.4	56.7	52.8	64,404
M60GB88	DYNAGRO	BR	103.7	55.1	52.8	64,970
BH 4220	BH Genetics	BR	103.3	56.0	50.0	70,483
M66GR32	DYNAGRO	R*	101.8	55.4	48.5	68,854
SP 58M85 DT	Sorghum Partners	BR	101.4	55.4	46.8	65,131
SP7715	Sorghum Partners	BR	97.9	56.2	49.6	62,117
SWGS4764 DT	Sorghum Partners	BR	97.2	54.8	46.8	52,570
BH 3818	BH Genetics	R	94.0	54.5	44.8	67,604
SWGS4754 DT	Sorghum Partners	BR	92.7	55.0	46.8	56,779
SP 45A45 DT	Sorghum Partners	BR	91.3	55.2	51.6	70,229
BH 3939	BH Genetics	BR	90.0	56.1	51.7	62,489
SPSD455	Sorghum Partners	BR	89.8	54.7	48.6	60,029
M59GB94	DYNAGRO	BR	89.6	56.3	49.2	66,951
AC2103	RAGT Semences	C	87.4	54.2	50.4	70,758
SP 65B21 DT	Sorghum Partners	BR	85.6	51.3	41.3	63,956
SWGS3794 DT	Sorghum Partners	C	80.3	52.8	46.4	56,240
SWGS4784 DT	Sorghum Partners	BR	77.3	54.6	46.4	39,597
S7G014	RAGT Semences	R	75.4	54.9	51.6	47,616
S8G031	RAGT Semences	R	73.9	54.0	51.9	47,089

¹ Head colors: BR, bronze; R, red; C, cream. Those noted with * are as classified in field whereas others are classifications provided by seed company.

² Yield values corrected to 15.5% moisture content. Bolded values indicate highest LSD grouping.

	Standard Error		11.4	0.7	1.8	4,420
	LSD³		18.9	1.2	3.0	7,337
	Mean⁴		98.6	55.1	49.6	61,763
	CV⁵		11.5	1.3	3.6	7.2
	Reps		5	5	5	5

SITE INFORMATION

Collaborator:	UNL Havelock Research Farm and Jenny Stebbing
Planting Date:	5/23/2024
Seeding Rate:	90,000 seeds/a
Harvest Date:	10/28/2024
Fertility:	90 lb/a N applied 4/8/2024
Herbicide/Fungicides:	1 lb/a atrazine and 32 oz/a glyphosate applied pre-plant with AMS; 0.5 lb/a atrazine, 5.3 oz/a quinclorac, crop oil and AMS applied 6/21 post-emerge.
Soil Type:	Aksarben silty clay loam
GPS:	40.852801, -96.610236
Planting Info:	Planted 2" into good soil moisture into disked oat stubble.
Notes on Trial:	Good yields and decent stand. Average yield impacted by the testing of experimental hybrids that may not be well adapted to the region. Early season drought and drought during flowering likely impacted yield. Grain protein mean was 12.7% and varieties did not show significant differences.

Do not reprint without permission. Contacts: [Amanda Easterly](#) or [Cody Creech](#)

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

⁴ Mean performance of all plots in the trial.

⁵ 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.