



**CROP PERFORMANCE
TESTING**

**Lancaster County Rainfed
2022 Sorghum Hybrid Trial**

Name	Company	Final Stand (pl/ acre)	Days to 50% Bloom	Plant Height (in)	Test Weight (lb/bu)	Yield (bu/ac) ¹
DKS36-07	DEKALB	70,950	55.5	58.0	60.3	134.9
M60GB88	DynaGro	74,565	60.5	56.8	59.3	132.3
DKS44-07	DEKALB	75,324	64.5	54.5	60.8	131.8
M60GB31	DynaGro	67,612	61.8	54.3	59.7	131.5
ADV G2168IG	Alta Seeds	59,167	57.5	54.9	59.6	131.5
ADV G1329	Alta Seeds	62,211	55.8	42.1	59.8	125.7
GX22934	DynaGro	67,844	64.5	60.2	59.8	124.0
GX21965	DynaGro	70,081	63.5	57.2	59.1	120.9
M57GC29	DynaGro	54,568	55.5	42.5	59.4	119.3
M71GR91	DynaGro	62,027	66.0	59.5	60.0	114.8
DKS54-07	DEKALB	64,071	66.0	56.9	58.1	114.3
M59GB94	DynaGro	71,828	55.5	61.7	59.1	113.8
ADV G1153	Alta Seeds	51,854	63.3	55.6	59.2	112.4
M67GB87	DynaGro	61,602	61.3	58.2	58.4	110.9
M63GB78	DynaGro	64,228	57.5	58.1	58.7	108.1
ADV G2165	Alta Seeds	46,784	62.8	60.7	58.2	105.8
M72GB71	DynaGro	62,958	65.5	60.6	59.4	104.3
ADV G1120IG	Alta Seeds	53,175	62.5	61.9	57.5	100.3
AC2203	RAGT Semences	62,361	56.0	63.7	55.8	95.8
ADV G2106	Alta Seeds	55,791	60.8	55.7	57.3	94.1
DKS38-16	DEKALB	62,428	61.3	59.4	58.9	91.0
AC2104	RAGT Semences	69,642	55.5	62.6	54.9	90.6
AC2103	RAGT Semences	65,071	55.0	59.6	56.0	90.5
ADV XG272	Alta Seeds	45,245	64.8	59.4	56.7	89.6
GX22932	DynaGro	61,103	65.5	61.1	56.9	88.5
	Standard Error	3,091	0.7	1.5	1.0	10.2
	LSD²	5,151	1.2	2.5	1.7	17.0
	Mean³	62,500	60.7	57.4	58.5	111.1
	CV⁴	4.9	1.2	2.6	1.8	9.2
	Reps	4	4	4	4	4

¹ Yield values based on 56 lb/bu test weight and corrected to 14% moisture.

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 entries in the trial.

⁴ Coefficient of Variation (CV) indicates the quality of a trial, and lower than 15 indicates a high quality trial.

SITE INFORMATION

Collaborator: UNL Agronomy Farm-Havelock, Lincoln, NE
Planting Date: May 31, 2022
Target Population 90,000 seeds/acre
Harvest Date: 10/26/2022
Fertility: 90 lb/a N
Herbicide/Fungicides: 32 oz/a of Liberty and 1 lb/a atrazine pre-emergent, 5.3 oz/a quinclorac in June
Soil Type: Kennebec silt loam
GPS: 40.857312, -96.596035
Notes: Planted 1-1.5” into disked oats with good soil moisture. Overall good stands but heavy weed pressure. Some lodging before harvest, data available upon request. Bolded values in the table indicate highest LSD group. CV for yield higher than optimal, reflected in large LSD for yield.

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