



**CROP PERFORMANCE  
TESTING**

**Clay County Rainfed  
2021 Grain Sorghum Variety Trial**

Name	Company	Yield (bu/ac) <sup>1</sup>	Test Weight (lb/bu)	Head Height (in)	Final Stand (plants/acre)	Grain Color
GX21965	Dyna-Gro Seed	109.5	<b>60.8</b>	<b>54.2</b>	46,879	Bronze
M60GB88	Dyna-Gro Seed	106.1	58.9	50.6	51,887	Bronze
M67GB87	Dyna-Gro Seed	102.2	58.3	51.9	45,561	Bronze
SPSC343	Sorghum Partners	100.0	<b>60.6</b>	<b>53.1</b>	40,616	Bronze
M72GB71	Dyna-Gro Seed	99.6	<b>60.5</b>	52.0	51,909	Bronze
DKS54-07	DEKALB	99.3	<b>61.6</b>	<b>54.1</b>	44,717	Red
GX20970	Dyna-Gro Seed	97.0	<b>61.2</b>	50.4	43,931	Bronze
M63GB78	Dyna-Gro Seed	93.9	59.4	49.2	49,084	Bronze
DKS38-16	DEKALB	93.2	<b>60.7</b>	49.8	49,191	Bronze
DKS44-07	DEKALB	93.0	<b>61.4</b>	49.1	47,699	Red
ADV G2193IG	Alta Seeds	92.4	59.3	46.2	38,768	Bronze
Medium Maturity Check	NA	91.2	<b>61.1</b>	49.3	43,144	Bronze
M60GB31	Dyna-Gro Seed	90.9	59.7	49.2	31,264	Bronze
SP 68M57	Sorghum Partners	86.9	59.1	46.6	32,715	Bronze
AC2104	RAGT Semences	86.4	58.4	<b>53.7</b>	49,602	Red
GX20973	Dyna-Gro Seed	85.1	<b>61.0</b>	47.9	38,876	Bronze
DKS36-07	DEKALB	84.2	60.3	49.6	47,094	Bronze
GX20998	Dyna-Gro Seed	83.9	<b>61.0</b>	48.9	47,648	Bronze
ADV G2275	Alta Seeds	80.3	58.7	48.6	34,944	Red
ADV G1120IG	Alta Seeds	80.1	58.9	49.2	33,500	Red
M71GR91	Dyna-Gro Seed	79.2	60.1	<b>53.4</b>	38,811	Red
DK28E	DEKALB	78.8	57.6	46.4	<b>65,531</b>	Bronze
SPSC344	Sorghum Partners	78.1	58.8	45.1	41,631	Bronze
ADV XG272	Alta Seeds	75.5	59.2	50.5	29,660	--
ADV G2106	Alta Seeds	74.1	59.0	43.9	29,874	Red
ADV G2165	Alta Seeds	69.7	59.4	51.4	27,499	Red
ADV XG160	Alta Seeds	68.5	58.1	47.2	24,690	--
AC2103	RAGT Semences	67.8	58.8	47.2	36,165	Cream
ADV XG015IG	Alta Seeds	67.4	58.6	45.3	31,021	Red
SP 43M80	Sorghum Partners	65.8	58.2	46.1	34,118	Bronze
LGS 6321	Legend Seeds	64.7	58.0	<b>52.3</b>	27,995	Bronze
ADV XG034IG	Alta Seeds	63.8	58.1	46.3	26,050	--

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

<b>ADV G1153</b>	Alta Seeds	62.0	58.2	48.4	32,053	Red
<b>Imazamox Tolerant Check</b>	NA	61.8	59.3	45.7	21,407	Red
<b>AC2102</b>	RAGT Semences	58.7	57.4	49.9	<b>62,890</b>	Red
<b>SP 25C10</b>	Sorghum Partners	58.6	57.1	42.5	39,815	Cream
<b>SPSA308</b>	Sorghum Partners	58.4	57.1	46.5	34,185	Bronze
<b>LGS X6922</b>	Legend Seeds	57.7	57.4	<b>53.8</b>	21,965	Bronze
<b>251</b>	Sorghum Partners	53.1	56.2	43.0	35,431	Red
	<b>Standard Error</b>	8.8	0.7	1.2	3,944	-
	<b>LSD<sup>2</sup></b>	14.6	1.1	2.0	6,548	-
	<b>Mean<sup>3</sup></b>	80.0	59.2	48.9	39,226	-
	<b>CV<sup>4</sup></b>	11.0	1.2	2.5	10.1	-
	<b>Reps</b>	4	4	4	4	-

**SITE INFORMATION**

Collaborator:	Dennis Fitzke, Edgar, NE
Planting Date:	May 26, 2021
Target Population	90,000 seeds/acre
Harvest Date:	November 15, 2021
Fertility:	120 lb/a N as N-SOL 32 preplant
Herbicide/Fungicides:	Lexar EZ & Roundup PowerMax preplant, MEC Amine-D and Roundup PowerMax pre-emergent, Huskie & Atrazine 4L post-emergent
Soil Type:	Hastings silt loam
GPS:	40.360339, -97.969678
Notes:	Planted into no-till corn stubble and terminated cover crops. Difficult conditions at planting led to lower than anticipated stand and yield. However, yields were very similar to the surrounding fields.

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<sup>2</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>3</sup> Mean performance of all entries in the trial.

<sup>4</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.