



**CROP PERFORMANCE  
TESTING**

**Nuckolls County Rainfed  
2022 Sorghum Hybrid Trial**

Name	Company	Final Stand (pl/ acre)	Plant Height (in)	Test Weight (lb/bu)	Yield (bu/ac) <sup>1</sup>
<b>GX21965</b>	DynaGro	<b>74,508</b>	<b>45.8</b>	<b>60.4</b>	<b>77.1</b>
<b>GX22934</b>	DynaGro	<b>68,781</b>	<b>48.5</b>	<b>59.2</b>	<b>74.9</b>
<b>DKS44-07</b>	DEKALB	<b>73,570</b>	<b>44.3</b>	<b>60.3</b>	<b>67.9</b>
<b>DKS54-07</b>	DEKALB	<b>71,289</b>	<b>47.8</b>	<b>58.6</b>	<b>66.6</b>
<b>M71GR91</b>	DynaGro	65,546	<b>45.5</b>	<b>58.5</b>	58.2
<b>M59GB94</b>	DynaGro	<b>69,102</b>	<b>46.3</b>	57.1	58.0
<b>M60GB88</b>	DynaGro	<b>73,586</b>	44.0	<b>59.2</b>	57.9
<b>M67GB87</b>	DynaGro	66,472	43.8	55.0	56.9
<b>ADV G2168IG</b>	Alta Seeds	65,995	37.0	57.3	56.8
<b>M60GB31</b>	DynaGro	63,695	40.0	<b>59.9</b>	54.0
<b>M57GC29</b>	DynaGro	64,095	34.5	<b>58.1</b>	53.0
<b>GX22932</b>	DynaGro	<b>73,453</b>	<b>46.5</b>	<b>58.6</b>	51.8
<b>ADV G1329</b>	Alta Seeds	63,808	34.3	<b>58.9</b>	47.9
<b>DKS36-07</b>	DEKALB	<b>70,388</b>	40.0	56.4	47.3
<b>M72GB71</b>	DynaGro	<b>68,379</b>	<b>47.0</b>	55.5	45.2
<b>AC2203</b>	RAGT Semences	<b>69,079</b>	<b>48.5</b>	53.3	42.9
<b>ADV G2106</b>	Alta Seeds	67,747	38.0	54.0	42.4
<b>DKS38-16</b>	DEKALB	67,580	42.8	56.8	42.1
<b>ADV G1153</b>	Alta Seeds	58,941	36.3	54.1	38.6
<b>AC2104</b>	RAGT Semences	<b>71,313</b>	<b>46.5</b>	54.2	38.2
<b>SP 68M57</b>	Sorghum Partners	61,698	35.3	54.3	37.5
<b>ADV G2165</b>	Alta Seeds	58,645	37.8	56.2	36.9
<b>AC2103</b>	RAGT Semences	67,293	41.8	55.7	36.4
<b>M63GB78</b>	DynaGro	<b>68,026</b>	43.0	52.7	36.2
<b>ADV XG272</b>	Alta Seeds	55,924	38.0	54.2	34.1
<b>ADV G1120IG</b>	Alta Seeds	55,971	39.3	51.7	30.2
<b>SP 43M80</b>	Sorghum Partners	<b>69,605</b>	38.0	52.8	22.1
<b>SP 67B17</b>	Sorghum Partners	60,497	32.8	.	21.1

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

		Final Stand (pl/ acre)	Plant Height (in)	Test Weight (lb/bu)	Yield (bu/ac)
	<b>Standard Error</b>	3,996	2.5	1.5	8.7
	<b>LSD<sup>2</sup></b>	6,661	4.2	2.6	14.5
	<b>Mean<sup>3</sup></b>	66,607	41.5	56.5	47.6
	<b>CV<sup>4</sup></b>	6.0	60.	2.7	18.3
	<b>Reps</b>	4	4	4	4

**SITE INFORMATION**

Collaborator: Dennis Fitzke, Edgar, NE  
 Planting Date: May 31, 2022  
 Target Population: 90,000 seeds/acre  
 Harvest Date: 10/25/2022  
 Fertility: 110 lb/a N applied with pre-emergent herbicide  
 Herbicide/Fungicides: Lexar pre-emergent; Huskie and atrazine post-emergent  
 Soil Type: Hastings silt loam  
 GPS: 40.297659, -98.085711  
 Notes: Planted 1-1.5" into dry no-till soybean and cover crop residue. Stands were reasonable though somewhat lower than ideal due to heavy residue. Drought conditions limited yield and reduced test weights. Bolded values in the table indicate highest LSD group. CV for yield higher than optimal, reflected in large LSD for yield. Surrounding field yielded approximately 60 bu/a, much lower than average for the area.

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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.