



UNIVERSITY of NEBRASKA  
LINCOLN

## Clay County Rainfed 2024 Grain Sorghum Hybrid Trial

Name	Company	Head Color <sup>1</sup>	Yield (bu/ac) <sup>2</sup>	Test Weight (lb/bu)
<b>M71GR91</b>	DYNAGRO	R	155.5	54.2
<b>SP 66M16</b>	Sorghum Partners	BR	136.8	49.7
<b>SWGS3794 DT</b>	Sorghum Partners	C	129.5	49.8
<b>M70GR37</b>	DYNAGRO	BR*	127.0	55.2
<b>M60GB31</b>	DYNAGRO	BR	126.2	51.2
<b>M66GR32</b>	DYNAGRO	R*	125.6	55.0
<b>M67GB87</b>	DYNAGRO	BR	123.0	52.2
<b>Polansky 6633 DT</b>	Polansky Seed	BR	121.8	43.8
<b>BH 4220</b>	BH Genetics	BR	119.4	55.1
<b>M62GB36</b>	DYNAGRO	BR*	116.7	55.0
<b>SP 58M85 DT</b>	Sorghum Partners	BR	116.3	51.7
<b>S7G015</b>	RAGT Semences	R	115.6	53.9
<b>M72GB71</b>	DYNAGRO	BR	115.4	53.9
<b>M60GB88</b>	DYNAGRO	BR	115.2	52.0
<b>SWGS4784 DT</b>	Sorghum Partners	BR	110.1	52.6
<b>SP7715</b>	Sorghum Partners	BR	109.7	53.6
<b>M63GB78</b>	DYNAGRO	BR	108.7	54.2
<b>S7G014</b>	RAGT Semences	R	106.9	53.2
<b>S8G031</b>	RAGT Semences	R	104.4	53.1
<b>SP 45A45 DT</b>	Sorghum Partners	BR	102.7	53.0
<b>SP 43M80</b>	Sorghum Partners	BR	102.1	52.2
<b>SP 65B21 DT</b>	Sorghum Partners	BR	100.7	45.1
<b>BH 3818</b>	BH Genetics	R	99.2	50.2
<b>M62GC23</b>	DYNAGRO	C	98.3	52.7
<b>Polansky 5629</b>	Polansky Seed	BR	97.6	52.1
<b>SPSD455</b>	Sorghum Partners	BR	97.3	52.4
<b>SWGS4764 DT</b>	Sorghum Partners	BR	96.3	50.2
<b>S8G035</b>	RAGT Semences	R	95.6	53.2
<b>Polansky 5512</b>	Polansky Seed	C	94.0	49.1
<b>SWGS4754 DT</b>	Sorghum Partners	BR	92.8	50.6
<b>Polansky X61R-A15</b>	Polansky Seed	BR*	88.4	52.0
<b>AC2103</b>	RAGT Semences	C	85.7	51.8

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

<sup>2</sup> Yield values corrected to 15.5% moisture content. Bolded values indicate highest LSD grouping.

<b>BH 3939</b>	BH Genetics	BR	83.6	54.1
<b>BH 3701C</b>	BH Genetics	C	80.3	51.6
<b>M59GB94</b>	DYNAGRO	BR	78.7	51.6
<b>S7G013</b>	RAGT Semences	R	69.0	51.9
	<b>Standard Error</b>		17.6	1.1
	<b>LSD<sup>3</sup></b>		29.1	1.8
	<b>Mean<sup>4</sup></b>		106.1	52.1
	<b>CV<sup>5</sup></b>		16.6	2.1
	<b>Reps</b>		5	5

### SITE INFORMATION

Collaborator:	Doug Rader
Planting Date:	5/29/2024
Seeding Rate:	90,000 seeds/acre
Harvest Date:	10/29/2024
Soil Type:	Hastings silt loam
GPS:	40.697108, -98.250256
Planting Info:	Planted 2" into good soil moisture in soybean stubble
Notes on Trial:	Patchy weed pressure, severely impacted plots were removed from final analysis. Mean stand was 75,063 plants/acre but did not have statistical differences by variety. Grain protein means available upon request.

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<sup>3</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>4</sup> Mean performance of all plots in the trial.

<sup>5</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.