

**2021 Dryland Grain Sorghum Hybrid  
 Performance Trial at Akron**

Brand	Hybrid	Grain Yield <sup>a</sup>		2-Year	Test	Emerged Plant		Maturity	Grain Color
		bu/ac	% of test avg.	Avg. Yield	Weight	Population	50% Bloom	Group <sup>b</sup>	
				bu/ac	lb/bu	plants/ac	days after planting		
Golden Acres	GA 2730B	<b>74.7</b>	119%	72	59	42,000	71	ME	Bronze
Hoegemeyer Seed	H6020	<b>72.6</b>	116%	-	59	41,000	68	ME	Red
Dekalb	DKS29-28	<b>71.7</b>	115%	76	59	44,800	71	E	Bronze
Golden Acres	GA 2620C	<b>71.7</b>	115%	76	59	32,900	71	ME	Cream
Sorghum Partners	SP 31A15	<b>70.8</b>	113%	73	57	38,600	72	ME	Bronze
Alta Seeds	ADV G1329	<b>70.5</b>	113%	-	58	32,300	71	E	Cream
Dyna-Gro Seed	M59GB57	<b>69.9</b>	112%	72	59	36,100	67	E	Bronze
Channel Seed	5B27	68.7	110%	-	58	41,500	65	ME	Red
Dyna-Gro Seed	M59GB94	68.7	110%	66	58	31,200	74	E	Bronze
Alta Seeds	AG1201	67.2	107%	-	58	34,700	70	E	Red
Dekalb	DKS28-05	65.7	105%	71	58	40,500	68	E	Bronze
Dekalb	DKS29-95	65.4	104%	-	58	37,400	72	E	Dark Red
Golden Acres	GA 1510C	65.4	104%	-	58	43,400	69	E	Cream
Channel Seed	5C76	64.5	103%	-	60	34,800	73	ME	Cream
Warner Seed	W5501	64.2	103%	-	58	37,000	67	E	Bronze
Dyna-Gro Seed	GX20973	63.9	102%	-	60	34,400	71	ME	Bronze
Sorghum Partners	KS310	63.9	102%	-	59	28,700	71	ME	Bronze
Alta Seeds	AG1101	62.4	100%	-	58	40,200	66	E	Red
Dyna-Gro Seed	M60GB88	62.1	99%	70	58	39,600	74	ME	Bronze
Sorghum Partners	SP 43M80	62.1	99%	66	59	30,200	73	ME	Bronze
Dyna-Gro Seed	M54GR24	58.8	94%	67	59	37,200	65	E	Red
Alta Seeds	ADV G1120IG	58.2	93%	-	56	31,200	86	ME	Red
Dyna-Gro Seed	M60GB31	57.0	91%	41	58	28,000	81	ME	Bronze
Dekalb	DKS27-80	56.7	91%	-	59	40,700	68	E	Bronze
Sorghum Partners	251	55.2	88%	-	59	35,100	65	E	Red
Sorghum Partners	SP 25C10	54.6	87%	61	60	37,900	66	E	Cream
Alta Seeds	ADV G1153	53.7	86%	-	57	30,600	86	ME	Red
Alta Seeds	ADV XG015IG	12.9	21%	-	54	32,900	111	E	Red
<b>Average</b>		<b>62.6</b>		<b>68</b>	<b>58</b>	<b>36,200</b>	<b>73</b>		

<sup>c</sup>LSD (.30)

5

<sup>c</sup>LSD (.05)

10

<sup>a</sup>Yields adjusted to 14% moisture and hybrids ranked by yield. Hybrid yields in bold are in the top LSD group (.30).

<sup>b</sup>Maturity group: E=early; ME=medium-early. Groupings are based on company provided information and may not align with the observed flowering dates in the trial due to the relatively high elevation of the trial site (4,537 feet).

<sup>c</sup>Farmers selecting a hybrid based on yield should use the LSD (.30) to protect themselves from false negative decisions. Companies or researchers may be interested in the LSD (.05) to avoid false positive conclusions.

**Site Information**

Collaborator: USDA-ARS Central Great Plains Research Center

Planting Date: May 28, 2021

Harvest Date: October 26, 2021

Fertilizer: N at 49 lb/ac and P at 14 lb/ac

Herbicide: Pre-plant: Buccaneer plus at 2 qt/ac, Aim at 2 oz/ac, Explorer at 3.5 oz/ac, Brawl at 1.2 pt/ac, Atrazine at 2 pt/ac, Superb HC at 12.8 oz/ac, and Class Act at 64 oz/ac

Soil Type: Weld silt loam

GPS Coordinates: 40.15498, -103.14245

Trial Comments: Trial planted into excellent moisture. Very good stands and emergence, heavy wheat stubble in field. Plants were at V5 growth stage on June 30th. Most hybrids were not showing drought stress as of mid-August, even though conditions in July and early August were hot and dry. Trial was starting to flower in early August. Killing freeze on Oct. 13th. Field received 4.4" of rain in May, 0.65" in June, 0.42" in July, 0.5" in August, 0.83" in Sept., and 0.24" up to harvest in Oct. 26th.

*The data included in this table may not be republished without permission. Contact Sally Jones-Diamond at sally.jones@colostate.edu.*