



2020 Dryland Grain Sorghum Hybrid  
Performance Trial at Seibert

Brand	Hybrid	Grain Yield <sup>a</sup>		2-Year Avg. Yield bu/ac	Test Weight lb/bu	Emerged Plant Population <sup>b</sup> plants/ac	50% Bloom days after planting	Lodging percent	Maturity Group <sup>c</sup>	Grain Color
		bu/ac	% of test avg.							
Warner Seed	W5501	<b>33.7</b>	144%	-	54.4	33,396	71	10	E	Red
Dyna-Gro Seed	GX18919	<b>33.0</b>	140%	55.2	55.0	34,993	71	20	E	Cream
Dekalb	DKS29-28	<b>32.6</b>	139%	53.5	53.7	34,558	72	20	E	Bronze
Dekalb	DKS28-05	<b>32.6</b>	139%	50.0	53.6	35,429	71	10	E	Bronze
Dyna-Gro Seed	M62GB77	<b>30.1</b>	128%	54.3	54.8	33,396	77	20	ME	Bronze
Dekalb	DKS27-80	<b>30.1</b>	128%	-	55.0	28,459	71	10	E	Bronze
Dyna-Gro Seed	M54GR24	27.2	116%	46.0	54.2	32,089	74	-	E	Red
Dyna-Gro Seed	M59GB57	27.1	116%	48.6	53.4	34,122	71	-	E	Bronze
Sorghum Partners	SP 25C10	26.3	112%	48.9	54.8	32,525	72	-	E	Cream
Warner Seed	W5911	25.9	110%	-	56.0	33,977	78	-	ME	Red
Sorghum Partners	SP 43M80	24.3	103%	47.1	54.4	31,363	74	10	E	Bronze
Sorghum Partners	SP 33S40	23.9	102%	47.2	53.2	33,106	75	10	E	Cream
Sorghum Partners	SP 68M57	23.6	101%	-	53.4	34,703	81	30	M	Bronze
Dekalb	DKS29-95	23.5	100%	-	52.7	35,574	74	10	E	Red
Dyna-Gro Seed	M60GB88	22.8	97%	46.4	52.6	31,654	78	35	ME	Bronze
Dyna-Gro Seed	M57GB19	22.8	97%	48.0	53.1	35,719	77	30	ME	Bronze
Dyna-Gro Seed	M59GB94	22.4	95%	51.5	53.8	33,541	76	-	ME	Bronze
Dyna-Gro Seed	M57GC29	20.1	86%	43.3	53.7	24,248	75	10	E	Cream
Dyna-Gro Seed	GX17912	19.4	83%	48.3	51.3	35,719	73	50	E	Cream
Sorghum Partners	SP 31A15	19.1	81%	42.7	52.8	36,736	79	20	ME	Bronze
Gayland Ward Seed	19007	17.9	76%	-	50.3	37,316	80	-	ME	Red
Gayland Ward Seed	19015	16.9	72%	-	53.2	36,881	80	-	ME	Red
Gayland Ward Seed	18290	14.7	63%	-	52.2	34,993	83	-	M	Red
Gayland Ward Seed	19014	14.7	63%	-	44.9	34,848	81	-	M	Red
Dyna-Gro Seed	M60GB31	13.4	57%	47.1	52.7	29,911	83	-	M	Bronze
Gayland Ward Seed	18057	12.1	52%	37.5	49.2	33,541	80	-	ME	Red
<b>Average</b>		<b>23.5</b>		<b>48.0</b>	<b>53.0</b>	<b>33,569</b>	<b>76</b>	<b>20</b>		

<sup>d</sup>LSD (P<0.30) 4.4

<sup>d</sup>LSD (P<0.05) 8.4

<sup>a</sup>Yields adjusted to 14% moisture and hybrids ranked by yield. Hybrid yields in bold are in the top LSD group (P<0.30).

<sup>b</sup>Emerged plant population counts do not include tiller stems or grain heads that may appear later in the season.

<sup>c</sup>Maturity group: E=early; ME=medium-early; M=medium. Groupings are based on trial observations in addition to company provided data.

<sup>d</sup>If the difference between two hybrid yields equals or exceeds the LSD value, there is a 70% chance the difference is significant (P<0.30) or 95% chance the difference is significant (P<0.05). Farmers selecting a hybrid based on yield should use the LSD (P<0.30). Companies or researchers may be interested in the LSD (P<0.05).

**Site Information**

Collaborator: Tim Stahlecker

Planting Date: May 29, 2020

Harvest Date: October 11, 2020

Soil Type: Ascalon sandy loam

GPS Coordinates: 39.26, -102.817

Trial Comments: Planted into moisture, good stand establishment. Trial received infrequent and low rainfall totaling about 0.9" in June and 1.8" in July. About 0.7" of rain received from August through harvest in October. Hard freeze occurred on Sept. 10th (<30°F) which caused light test weight grain for some later-season hybrids.

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