



**2019 Dryland Grain Sorghum Hybrid Performance Trial at Seibert**

Brand	Hybrid	Grain		Test Weight	Emergent Plant Population	Harvest Population <sup>b</sup>	Tillering <sup>c</sup>	Plant Height	50% Bloom	Maturity Group <sup>d</sup>	Grain Color
		Yield <sup>a</sup>	Yield								
		bu/ac	% of test avg.	lb/bu	plants/ac	heads/ac	heads/plant	in	days after planting		
Golden Acres	2840B	<b>86.0</b>	119%	62.4	35,719	54,595	0.5	41	78	ME	Bronze
Dyna-Gro Seed	M60GB31	80.9	112%	60.0	33,396	43,560	0.3	42	80	ME	Bronze
Dyna-Gro Seed	M59GB94	80.6	111%	60.2	38,115	56,628	0.5	36	75	ME	Bronze
Dyna-Gro Seed	M62GB77	78.5	108%	60.9	39,930	49,949	0.3	38	82	M	Bronze
Dyna-Gro Seed	M69GB38	78.5	108%	60.7	32,452	42,979	0.3	41	79	ME	Bronze
Dyna-Gro Seed	GX18919	77.4	107%	60.1	38,333	60,403	0.6	42	78	ME	Cream
Dyna-Gro Seed	GX17912	77.2	107%	60.8	37,353	54,014	0.4	39	78	ME	Cream
Golden Acres	2620C	76.8	106%	60.6	34,630	54,595	0.6	36	74	E	Cream
Dekalb	DKS33-07	76.0	105%	59.2	38,877	54,305	0.4	40	83	M	Bronze
Pioneer	87P06	75.7	104%	60.3	45,738	-	-	34	74	E	Bronze
Dekalb	DKS29-28	74.5	103%	60.5	42,362	51,691	0.2	29	72	E	Bronze
Dyna-Gro Seed	M57GB19	73.2	101%	60.7	41,818	51,691	0.2	34	74	E	Bronze
Golden Acres	2730B	72.9	101%	60.8	40,656	48,206	0.2	41	74	E	Bronze
Sorghum Partners	SP 25C10	71.5	99%	60.4	40,946	62,726	0.5	33	74	E	Cream
Sorghum Partners	SP 33S40	70.5	97%	61.3	36,590	46,754	0.3	35	74	E	Cream
Dyna-Gro Seed	M59GB57	70.0	97%	60.1	34,195	56,338	0.6	33	72	E	Bronze
Sorghum Partners	SP 43M80	69.9	96%	61.3	40,511	47,626	0.2	35	79	ME	Bronze
Dyna-Gro Seed	M60GB88	69.9	96%	59.6	39,749	46,464	0.2	29	78	ME	Bronze
Dekalb	DKS28-05	67.5	93%	61.0	37,607	56,338	0.5	32	71	E	Bronze
Dyna-Gro Seed	M57GC29	66.5	92%	60.5	42,253	49,658	0.2	30	74	E	Cream
Sorghum Partners	SP 31A15	66.2	91%	59.8	32,343	45,012	0.4	30	73	E	Bronze
Dyna-Gro Seed	M54GR24	64.9	90%	61.3	43,850	69,406	0.6	33	71	E	Red
Alta Seeds	ADV XG390IG	63.3	87%	59.5	34,739	37,462	0.1	40	86	ML	Red
Gayland Ward Seed	18057	62.8	87%	60.7	28,024	33,106	0.2	47	71	E	Bronze
Alta Seeds	ADV XG009IG	61.2	84%	59.9	35,138	42,689	0.2	38	89	ML	Red
<b>Average</b>		<b>72.5</b>		<b>60.5</b>	<b>37,813</b>	<b>50,675</b>	<b>0.4</b>	<b>36</b>	<b>76</b>		

<sup>a</sup>LSD (P<0.30)

4.6

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

<sup>b</sup>Total number of grain-producing heads/panicles taken at harvest, including tiller and main plant heads.

<sup>c</sup>Average number of productive (grain containing) tiller heads per plant. Does not include main plant head.

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

<sup>e</sup>If the difference between two varieties yields equals or exceeds the LSD value, there is a 70% chance the difference is significant.

**Site Information**

Collaborator: Tim Stahlecker  
 Planting Date: May 28, 2019  
 Harvest Date: October 25, 2019  
 Fertilizer: N at 50, P at 20, and Zn at 0.5 lb/ac  
 Herbicide: Pre-Emerge: Cornerstone 5 Plus at 32 oz/ac, Charger Max at 16 oz/ac, and Atrazine 4 L at 16 oz/ac; Post-emerge: Huskie at 16 oz/ac, Atrazine at 16 oz/ac, and Dicamba at 6 oz/ac.  
 Soil Type: Ascalon sandy loam  
 Trial Comments: Planted into moisture, cool weather after planting caused slow seedling emergence. Trial received 0.7" rain within a week of planting. Consistent rain received throughout June, totaling about 3.1". July rainfall totaled 1" and there was 3.9" in August. September and October were dry with 0.32" of rain received in September through harvest in October. Killing freeze occurred on Oct. 10th. No lodging noted at harvest.

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