



## 2022 Dryland Grain Sorghum Hybrid Performance Trial at Seibert

Brand	Hybrid	Grain Yield <sup>a</sup>		2-Year	Test	Moisture	Emergent Plant		Maturity Group <sup>b</sup>	Grain Color
		bu/ac	% of test avg.	Avg. Yield bu/ac	Weight lb/bu		Population plants/ac	50% Bloom days after planting		
Hoegemeyer Seed	H6041	<b>48.9</b>	121%	-	60	13	36,900	67	ME	Cream
Hoegemeyer Seed	H6037	<b>48.6</b>	120%	-	59	12	32,200	68	ME	Red
Dekalb	DKS29-95	<b>45.6</b>	113%	53	59	12	38,300	71	E	Dark Red
Hoegemeyer Seed	H6020	44.1	109%	55	59	11	32,200	68	ME	Red
Golden Acres	GA 2730B	43.8	108%	53	58	15	34,100	73	ME	Bronze
Golden Acres	GA 1510C	43.5	108%	50	59	12	36,000	69	E	Cream
Golden Acres	GA 2620C	42.6	106%	51	59	14	39,500	68	ME	Cream
Sorghum Partners	SP 43M80	41.4	103%	50	60	13	39,000	68	ME	Bronze
Dyna-Gro Seed	M54GR24	41.1	102%	48	59	15	33,200	67	E	Red
Dyna-Gro Seed	M59GB57	40.8	101%	50	58	11	30,600	64	E	Bronze
Dyna-Gro Seed	GX22923	40.2	100%	-	59	12	35,700	70	E	Cream
Dekalb	DKS28-07	39.9	99%	-	59	14	40,900	70	E	Bronze
Dyna-Gro Seed	M60GB31	39.9	99%	51	59	19	36,700	76	ME	Bronze
Dyna-Gro Seed	M57GC29	39.0	97%	-	58	12	28,700	73	E	Cream
Dekalb	DKS29-28	38.7	96%	55	59	14	40,400	69	E	Bronze
Sorghum Partners	SP 31A15	37.8	94%	48	58	13	38,700	72	ME	Bronze
Sorghum Partners	SP 45A45 DT	37.5	93%	-	59	16	30,900	73	ME	Bronze
Dyna-Gro Seed	M59GB94	36.6	91%	53	59	17	36,000	70	E	Bronze
Dekalb	DKS28-05	36.0	89%	45	58	14	42,200	69	E	Bronze
Sorghum Partners	SP 30A30 DT	35.1	87%	-	60	14	30,100	70	ME	Bronze
Sorghum Partners	SP 25C10	34.2	85%	42	59	14	35,000	64	E	Cream
Sorghum Partners	251	33.0	82%	40	58	12	29,200	61	E	Red
<b>Average</b>		<b>40.4</b>	<b>100%</b>	<b>50</b>	<b>59</b>	<b>14</b>	<b>35,300</b>	<b>69</b>		
°LSD (.30)		4								
°LSD (.05)		8								

<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. Maturity groups are provided by the company and may not align with the observed flowering dates in the trial due to the latitude and relatively high elevation of the trial site (4,708 feet).

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

### Site Information

Collaborator: Tim Stahlecker  
 Planting Date: May 28, 2022  
 Harvest Date: October 20, 2022  
 Previous Crop: Winter wheat  
 Soil Type: Ascalon sandy loam  
 GPS Coordinates: 39.27024, -102.81746

Trial Comments: Planted into good moisture and wheat residue. Very good stands and emergence. Some herbicide injury noted on plants in mid-June, but they grew out of it by mid-July. Showed drought stress in mid-August and most plots flowered by week of Aug. 15th. Radar estimates showed the trial received about 11 inches of rain from planting to harvest, and 17 inches since January 1st, which is 91% of the ten-year average (year-to-date).

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