



2021 Dryland Grain Sorghum Hybrid
Performance Trial at Seibert

Brand	Hybrid	Grain	Yield	2-Year	Test	Emerg	Harvest	50% Bloom	Plant	Maturity	Grain
		Yield ^a		Avg. Yield	Weight	Plant	Population ^b		Height	Group ^c	
		bu/ac	% of test avg.	bu/ac	lb/bu	plants/ac	heads/ac	days after planting	in		
Dekalb	DKS29-28	71.1	121%	52	60	42,900	53,000	71	31	E	Bronze
Dyna-Gro Seed	M59GB94	69.3	118%	46	60	32,500	41,400	70	31	E	Bronze
Hoegemeyer Seed	H6020	66.0	113%	-	60	40,800	46,900	70	29	ME	Red
Dyna-Gro Seed	GX20973	64.2	110%	-	62	34,000	39,200	70	37	ME	Bronze
Golden Acres	GA 2730B	62.1	106%	-	60	35,000	38,500	71	37	ME	Bronze
Dyna-Gro Seed	M60GB88	61.8	106%	42	59	43,000	43,700	72	38	ME	Bronze
Dyna-Gro Seed	M60GB31	61.5	105%	37	60	25,700	31,400	79	35	ME	Bronze
Golden Acres	GA 2620C	60.0	102%	-	61	30,100	40,900	67	34	ME	Cream
Dekalb	DKS29-95	59.7	102%	42	59	40,700	47,300	69	33	E	Dark Red
Dyna-Gro Seed	M59GB57	59.1	101%	43	60	34,400	42,500	67	34	E	Bronze
Sorghum Partners	SP 43M80	59.1	101%	42	60	33,200	35,100	71	33	ME	Bronze
Channel Seed	5B27	58.8	100%	-	59	36,600	55,500	67	34	ME	Red
S&W Seed	SWG3183	58.8	100%	-	59	36,500	36,900	73	30	ME	Bronze
S&W Seed	SWG3001	58.5	100%	-	60	25,600	34,100	70	34	ME	Bronze
Warner Seed	W5501	57.9	99%	46	59	33,800	44,900	71	36	E	Bronze
Alta Seeds	ADV G1120IG	57.3	98%	-	59	27,500	32,800	76	36	ME	Red
Sorghum Partners	SP 31A15	57.3	98%	38	60	38,900	40,800	69	32	ME	Bronze
Dekalb	DKS27-80	56.1	96%	43	60	41,400	44,700	69	40	E	Bronze
S&W Seed	SWG9011	55.8	95%	-	61	38,800	42,500	68	31	M	Bronze
Golden Acres	GA 1510C	55.5	95%	-	59	39,900	39,800	70	27	E	Cream
Dyna-Gro Seed	M54GR24	55.2	94%	41	60	41,100	50,500	68	35	E	Red
Dekalb	DKS28-05	54.3	93%	43	60	40,600	55,600	68	34	E	Bronze
Channel Seed	5C76	54.0	92%	-	60	39,100	45,600	73	38	ME	Cream
Sorghum Partners	KS310	51.9	89%	-	61	26,500	32,200	70	36	ME	Bronze
Sorghum Partners	SP 25C10	50.7	87%	39	61	31,600	45,900	68	31	E	Cream
Sorghum Partners	251	46.5	79%	-	59	36,200	41,500	67	29	E	Red
Average		58.6		43	60	35,600	42,400	70	34		

^dLSD (.30)

4

^dLSD (.05)

8

^aYields adjusted to 14% moisture and hybrids ranked by yield. Hybrid yields in bold are in the top LSD group (.30).

^bHarvest population is the total number of grain-producing heads/panicles counted at harvest, including tillers.

^cMaturity group: E=early; ME=medium-early; M=medium. 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 (4,711 feet).

^dFarmers 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: Tim Stahlecker

Planting Date: May 29, 2021

Harvest Date: October 27, 2021

Herbicide: Pre-emerge (spring): Atrazine, glyphosate, and s-metolachlor at labeled rates. In-season (mid-June): Huskie, atrazine, and 2,4-D at labeled rates.

Soil Type: Ascalon sandy loam

GPS Coordinates: 39.26418, -102.81716

Trial Comments: Planted into good moisture and wheat residue. Good stands and emergence. Trial was flowering at beginning of August. Rain in June totaled about 1.5" and in July the total was 2.2". About 3.8" of rain received from August through harvest in October. Very good weed control throughout the season.

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