



2021 Dryland Grain Sorghum Hybrid
Performance Trial at Sheridan Lake

Brand	Hybrid	Grain Yield ^a		2-Year	Test	Emergent Plant		Harvest		Lodging	Plant Height	Maturity Group ^d	Grain Color
		bu/ac	% of test avg.	Avg. Yield	Weight	Population	Population ^b	Tillering ^c	50% Bloom				
				bu/ac	lb/bu	plants/ac	heads/ac	tillers/plant	days after planting	percent	in		
Hoegemeyer Seed	H6064	77.4	119%	61	59	43,100	54,400	0.3	74	45	42	M	Bronze
Dyna-Gro Seed	M63GB78	75.9	117%	-	58	35,400	53,500	0.5	72	80	45	ME	Bronze
Dyna-Gro Seed	GX20973	73.8	114%	-	61	38,100	57,000	0.5	71	73	47	ME	Bronze
Alta Seeds	AG1201	72.0	111%	-	58	35,600	70,400	1.0	70	8	41	E	Red
Dyna-Gro Seed	M59GB94	70.8	109%	61	59	33,000	63,200	0.9	70	70	48	E	Bronze
Dyna-Gro Seed	M60GB31	70.5	109%	55	59	32,600	43,700	0.4	81	0	44	ME	Bronze
Alta Seeds	ADV G11201G	70.2	108%	-	60	35,300	46,700	0.3	74	15	48	ME	Red
Hoegemeyer Seed	H6020	70.2	108%	67	59	43,800	61,300	0.4	72	63	47	ME	Red
Dekalb	DKS36-07	69.6	107%	-	59	37,400	61,100	0.7	72	15	47	ME	Bronze
Hoegemeyer Seed	H6037	69.6	107%	60	60	40,200	56,900	0.4	72	45	40	ME	Red
Sorghum Partners	SP 31A15	69.3	107%	56	58	38,600	60,300	0.6	71	33	36	ME	Bronze
Dekalb	DKS28-05	68.4	105%	62	59	41,200	69,300	0.7	69	60	44	E	Bronze
Dyna-Gro Seed	M59GB57	67.5	104%	58	59	36,400	80,800	1.3	69	8	40	E	Bronze
Hoegemeyer Seed	H6041	67.2	104%	63	60	35,400	57,800	0.6	72	88	37	ME	Cream
Alta Seeds	ADV G1153	66.6	103%	-	59	36,700	52,300	0.4	76	0	42	ME	Red
Alta Seeds	ADV G1329	65.7	101%	-	59	38,100	66,000	0.7	71	0	38	E	Cream
Dyna-Gro Seed	M54GR24	65.7	101%	61	59	41,500	73,600	0.8	67	35	45	E	Red
Warner Seed	W5716	65.7	101%	-	59	36,300	47,600	0.3	74	15	46	E	Red
Golden Acres	GA 1510C	64.8	100%	60	59	38,400	72,200	0.9	72	0	46	E	Cream
Golden Acres	GA 2730B	64.8	100%	59	59	37,000	56,300	0.5	72	58	47	ME	Bronze
Golden Acres	GA 2620C	63.6	98%	61	60	37,800	59,600	0.6	70	35	36	ME	Cream
Dekalb	DKS27-80	63.0	97%	-	60	42,700	74,800	0.8	69	25	46	E	Bronze
Dyna-Gro Seed	M60GB88	63.0	97%	57	59	41,600	57,800	0.4	72	18	48	ME	Bronze
Sorghum Partners	SP 43M80	62.4	96%	58	59	41,500	56,600	0.4	71	30	41	ME	Bronze
Dekalb	DKS29-28	61.8	95%	57	59	41,000	62,700	0.5	68	3	36	E	Bronze
Sorghum Partners	KS310	58.2	90%	-	60	36,700	53,000	0.5	72	28	49	ME	Bronze
Warner Seed	W5501	56.7	87%	59	59	40,300	74,300	0.8	69	3	34	E	Bronze
Dekalb	DKS29-95	55.8	86%	53	59	39,200	63,100	0.6	70	5	37	E	Dark Red
Sorghum Partners	SP 25C10	54.0	83%	53	60	34,100	70,800	1.1	68	23	43	E	Cream
Alta Seeds	AG1101	53.4	82%	-	59	37,200	75,000	1.0	67	0	38	E	Red
Alta Seeds	ADV XG0151G	50.1	77%	-	59	35,300	37,700	0.1	81	0	43	E	Red
Sorghum Partners	251	47.7	74%	-	60	42,900	71,400	0.7	68	30	39	E	Red
Average		64.9		59	59	38,300	61,300	0.6	71	28	43		

^aLSD (.30)

^aLSD (.05)

^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.

^cAverage number of productive (grain containing) tiller heads per plant. Does not include main plant head.

^dMaturity 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 (3,963 feet).

^eFarmers 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: Burl Scherler

Planting Date: May 29, 2021

Harvest Date: October 27, 2021

Fertilizer: Pre-plant: N at 55 lb/ac

Herbicide: Pre-plant (spring): Flumioxazin, atrazine, glyphosate, and s-metolachlor at labeled rates.

Soil Type: Olney sandy loam

GPS Coordinates: 38.54125, -102.47425

Trial Comments: Planted into good moisture and heavy wheat residue. Excellent stands and emergence. Growth stage on June 30th was V5. Trial was flowering at beginning of August. Rain in June totaled about 0.5" and in July the total was 5.8". About 3.3" of rain received from August through harvest in October. Very good weed control throughout the season.

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