



2020 Dryland Grain Sorghum Hybrid
Performance Trial at Sheridan Lake

Brand	Hybrid	Grain		2-Year Avg. Yield	Test Weight	Emerged Plant Population ^b	50% Bloom	Lodging	Maturity Group ^c	Grain Color
		Yield ^a bu/ac	Yield % of test avg.							
Hoegemeyer Seed	H6020	64.5	144%	-	58.0	33,182	72	25	E	Red
Warner Seed	W5501	61.7	137%	69.1	57.0	20,114	74	0	E	Red
Dyna-Gro Seed	GX17912	58.6	131%	82.6	57.2	27,673	77	0	ME	Cream
Golden Acres	2620C	58.5	130%	77.6	58.3	27,289	75	0	E	Cream
Hoegemeyer Seed	H6041	58.0	129%	-	58.9	27,289	72	38	E	Cream
Sorghum Partners	SP 68M57	56.7	126%	-	56.9	21,652	80	0	ME	Bronze
Dyna-Gro Seed	M54GR24	56.5	126%	80.8	57.3	30,492	77	0	ME	Red
Dekalb	DKS28-05	55.8	124%	77.6	57.6	26,008	73	0	E	Bronze
Golden Acres	1510C	55.5	124%	-	58.0	28,570	73	0	E	Cream
Sorghum Partners	SP 43M80	54.0	120%	76.7	59.2	28,698	78	0	ME	Bronze
Golden Acres	2730B	54.0	120%	76.2	57.5	29,467	76	0	ME	Bronze
Dyna-Gro Seed	M59GB94	51.8	115%	78.7	58.2	22,292	79	0	ME	Bronze
Dekalb	DKS29-28	51.8	115%	77.2	57.5	26,905	74	0	E	Bronze
Dekalb	DKS27-80	51.6	115%	-	58.0	23,317	72	0	E	Bronze
Sorghum Partners	SP 25C10	51.6	115%	65.7	57.8	22,292	71	25	E	Cream
Dyna-Gro Seed	M60GB88	51.0	114%	78.2	57.6	23,317	78	6	ME	Bronze
Hoegemeyer Seed	H6037	50.1	112%	-	57.8	31,261	73	0	E	Red
Dyna-Gro Seed	GX18919	50.1	112%	72.6	57.1	23,446	73	25	E	Cream
Dekalb	DKS29-95	49.7	111%	-	56.6	32,029	76	0	ME	Red
Dyna-Gro Seed	M59GB57	48.7	108%	74.6	56.6	22,549	72	0	E	Bronze
Gayland Ward Seed	19009	48.2	107%	-	57.4	31,645	81	0	M	Red
Dyna-Gro Seed	M57GB19	48.0	107%	73.5	57.5	28,442	78	0	ME	Bronze
Dyna-Gro Seed	M62GB77	47.6	106%	73.0	58.6	24,214	82	0	M	Bronze
Warner Seed	W5911	45.6	102%	75.6	58.6	29,467	81	0	M	Red
Gayland Ward Seed	18290	44.6	99%	-	56.2	27,545	80	0	ME	Red
Hoegemeyer Seed	H6064	43.9	98%	-	56.4	22,421	80	50	ME	Bronze
Sorghum Partners	SP 31A15	41.7	93%	77.9	57.4	29,980	78	0	ME	Bronze
Gayland Ward Seed	19007	41.5	92%	-	56.8	26,777	82	0	M	Red
Dyna-Gro Seed	M57GC29	40.1	89%	69.0	57.8	18,449	77	0	ME	Cream
Dyna-Gro Seed	M60GB31	38.8	86%	73.0	57.5	26,008	81	0	M	Bronze
Gayland Ward Seed	18044	38.3	85%	-	56.9	28,314	82	0	M	Red
Gayland Ward Seed	18036	35.7	80%	-	57.9	25,752	81	0	M	Red
Warner Seed	625Y	33.8	75%	-	53.2	23,830	86	0	ML	Bronze
Gayland Ward Seed	18072	32.6	73%	-	56.7	30,876	87	0	ML	White
Gayland Ward Seed	19014	32.3	72%	64.6	56.9	26,136	80	0	ME	Red
Gayland Ward Seed	19010	32.0	71%	-	58.4	28,186	83	0	M	Red
Gayland Ward Seed	19015	31.9	71%	-	56.6	29,211	80	0	ME	Red
Gayland Ward Seed	18057	28.3	63%	67.8	55.6	28,442	85	0	M	Red
Gayland Ward Seed	18063	26.9	60%	-	57.1	28,314	85	0	ML	Red
Gayland Ward Seed	18062	26.9	60%	-	56.7	21,396	83	0	M	Red
Gayland Ward Seed	19016	18.4	41%	-	54.3	24,983	100	0	L	Red
Gayland Ward Seed	18567	17.9	40%	-	50.7	31,261	99	0	L	White
Average		44.9		74.4	57.1	26,655	79	4		

^dLSD (P<0.30)

^dLSD (P<0.05)

^aYields adjusted to 14% moisture and hybrids ranked by yield. Hybrid yields in bold are in the top LSD group (P<0.30).

^bEmerged plant population counts do not include tiller stems or grain heads that may appear later in the season.

^cMaturity group: E=early; ME=medium-early; M=medium; ML=medium-late; L=Late. Groupings are based on trial observations in addition to company provided data.

^dIf 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: Burl Scherler

Planting Date: May 23, 2020

Harvest Date: October 11, 2020

Fertilizer: Pre-plant: N at 55 lb/ac and S at 10 lb/ac; Planting: N at 5, P at 16, and Zn at 0.5 lb/ac

Herbicide: Pre-plant (fall '19): Flumioxazin at 2 oz/ac and atrazine at 1 lb/ac; Spring 2020: Flumioxazin at 1 oz/ac, and 2,4-D, glyphosate, and acetochlor at labeled rates. Summer 2020 (pre-heading): 2,4-D LV-6 at 1/2 lb/ac.

Soil Type: Olney sandy loam

GPS Coordinates: 38.529, -102.47

Trial Comments: Planted into moisture and received ~0.11" of rain within three days. Consistent rain received in June and July, totaling about 1.8" in June and 1.3" in July. About 0.5" of rain received from August through harvest in October. Killing freeze occurred on Sept. 30th.

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