SOIL AND CROP SCIENCES
COLORADO STATE UNIVERSITY

2025 Dryland Grain Sorghum Hybrid Performance Trial at Akron

CROPS TESTING PROGRAM

Brand	Hybrid	Grain Yield[a]	Yield	2-Year Avg. Yield	Test Weight	Moisture	Emerged Plant Population	Harvest Population[b]	Tillering[c]	Maturity Group[d]	Grain Color
		bu/ac	% of test avg.	bu/ac	lb/bu	percent	plants/ac	heads/ac	tillers/plant		
BH Genetics	BH 3701C	**141.6**	140%	147	57.2	11.0	21,300	60,300	1.9	ME	Cream
Dekalb	DKS29-28	127.3	126%	136	57.9	10.9	17,200	58,300	2.4	E	Bronze
Dekalb	DKS28-07	125.0	124%	135	57.5	10.2	21,200	58,200	1.8	E	Bronze
Dyna-Gro Seed	M62GC23	122.4	121%	136	56.4	11.4	17,500	51,000	2.0	ME	Cream
Dyna-Gro Seed	M59GB57	119.0	118%	130	**58.6**	9.9	14,200	53,500	2.8	E	Bronze
Dyna-Gro Seed	GX24911	117.3	116%	-	53.8	10.1	16,300	53,100	2.4	E	Red
Croplan	CP6011	117.1	116%	-	**59.2**	10.7	19,400	52,100	1.7	ME	Bronze
Channel	5R45	116.8	116%	130	57.4	11.5	15,800	52,300	2.3	ME	Red
Channel	5B29	116.8	116%	125	57.5	9.1	18,900	56,100	2.1	E	Bronze
Croplan	CP6111A	116.6	115%	-	57.7	11.3	21,200	58,100	1.8	ME	Red
Hoegemeyer Seed	H6020	113.4	112%	125	**59.9**	11.0	17,000	50,900	2.1	ME	Red
Channel	5B70	111.0	110%	129	55.4	11.7	17,700	58,400	2.5	E	Bronze
Dekalb	DKS28-16	109.6	109%	125	**59.0**	11.3	18,900	59,200	2.2	E	Bronze
Channel	5B96	107.3	106%	-	55.6	11.3	18,200	55,200	2.0	ME	Bronze
BH Genetics	BH 3818	107.2	106%	125	56.9	11.3	19,200	62,100	2.3	ME	Red
Hoegemeyer Seed	H6006	105.1	104%	122	**59.6**	11.6	18,300	55,300	2.1	ME	Red
Dekalb	DKS29-95	103.2	102%	125	51.6	10.7	18,500	51,800	1.8	E	Dark Red
Dyna-Gro Seed	M59GB94	102.3	101%	126	52.8	11.3	15,200	53,000	2.5	E	Bronze
Croplan	CP5811A	101.6	101%	-	58.0	10.8	18,700	48,500	1.6	E	Bronze
BH Genetics	BH 3520	97.5	97%	122	**58.4**	11.0	17,000	48,000	1.8	E	Bronze
Dyna-Gro Seed	GX25914	88.8	88%	-	54.7	12.0	21,100	50,200	1.4	ME	Bronze
Dyna-Gro Seed	GX25305	88.5	88%	-	53.1	8.8	10,500	48,100	3.7	ME	Bronze
Dyna-Gro Seed	GX25301	85.4	85%	-	57.3	11.8	6,300	27,700	3.4	E	Bronze
Rob-See-Co	GS5199	79.1	78%	-	**60.0**	11.2	8,700	35,400	3.2	ME	Bronze
Rob-See-Co	GS5423	78.4	78%	-	57.8	10.5	8,900	34,500	2.9	ME	Bronze
Alta Seeds	ADV G1125IG	73.7	73%	-	51.3	9.6	9,500	26,800	1.9	ME	Red
American Acres	AS212R	72.0	71%	-	**59.4**	10.9	6,600	27,100	3.1	E	Red
Dyna-Gro Seed	M62GB36	65.4	65%	102	45.8	11.7	8,600	29,700	2.4	ME	Bronze
Dyna-Gro Seed	GX25302	64.6	64%	-	43.4	7.9	9,600	34,000	2.6	E	Cream
Dyna-Gro Seed	GX25304	55.6	55%	-	51.1	11.9	8,200	26,600	2.3	E	Cream
	Average	**101.0**	**100%**	**128**	**55.8**	**10.8**	**15,300**	**47,900**	**2.3**	**-**	**-**
	[e]LSD (.30)	8.6			1.8						
	[e]LSD (.05)	16.4			3.4						
	Coefficient of Variation (CV)	6.4%			2.4%						

[a]Yields adjusted to 14% moisture and hybrids ranked by yield. Hybrid yields in bold are in the top LSD group (.30).

[b]Harvest population is the total number of grain-producing heads/panicles counted at harvest that were mature, including tillers.

[c]Average number of productive (grain containing and mature) tiller heads per plant. Does not include main plant head.

[d]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 (4,659 feet).

[e]Farmers selecting a variety based on yield should use the LSD (.30) to protect themselves from false negative conclusions (concluding varieties are the same when they are actually different). Companies or researchers may use the LSD (.05) to avoid false positive conclusions (concluding varieties are different when they are actually the same).

Site Information

Collaborator:	USDA-ARS Central Great Plains Research Center
Planting Date:	June 2, 2025
Harvest Date:	November 6, 2025
Fertilizer:	Starter: 3.5 lb/ac N and 11.8 lb/ac of P as 10-34-0 in furrow
Herbicide:	Burndown 4/22/25: Buccaneer Plus 32oz/Ac + Dicamba HD 4.0 oz/Ac + Sharpen 2.0 oz/Ac 7/9/25: Starane Ultra 1.16 pts/Ac + Dicamba HD 8.0 oz/Ac
Previous Crop:	Winter wheat
Soil Type:	Rago Silt Loam
GPS Coordinates:	40.1507562, -103.135265
Trial Comments:	Trial planted into excellent moisture and wheat stripper header stubble. Seedling emergence was delayed and established plant stands were lower than expected due to heavy wheat residue and cool temperatures in early June. Seeding rate was 44,000 seeds per acre. Final grain yield was largely driven by hybrid, with hybrids that had lower emergence tending to yield lower. Within-hybrid and within-plot variation in plant stands was minimal. Good weed control throughout the season, light grass weed pressure noted in August. Nearby weather station totals showed the trial received about 15 inches of rain from planting to harvest.