SOIL AND CROP SCIENCES
COLORADO STATE UNIVERSITY

2025 Dryland Forage Sorghum Variety Performance Trial at Walsh

CROPS TESTING PROGRAM

		Yield											Forage Quality[a]												
Variety	Brand	Forage[b]	Dry Matter	Yield	2-Year Forage Avg.	Moisture	Brix	Plant Height	Plant Population	Forage Type[c]	Relative Maturity[d]	Traits[e]	RFQ	CP	aNDFom	Lignin	WSC (Sugar)	Starch	Ash	Fat	NDFD 30hr	NDFD 240hr	TDN	NEL	Milk/Ton
		tons/ac		% of test avg.	tons/ac	% at harvest	percent	in	plants/ac				index	percent										Mcal/cwt	lb/ton
FX25001	Dyna-Gro Seed	**16.0**	**5.6**	160%	-	38	11	77	37,600	SS	ML	-	148	8.2	43	3.6	10.6	20.5	4.4	1.1	50	65	66	72	3299
Super Sile 30	Dyna-Gro Seed	11.3	4.0	112%	10.3	52	18	65	28,600	FS	ME	-	129	8.1	50	3.1	12.0	5.8	8.6	0.8	59	73	63	63	2843
F71FS72 BMR	Dyna-Gro Seed	11.2	3.9	112%	9.8	51	19	75	48,600	FS	E	BMR	135	8.2	50	3.0	12.3	6.1	9.0	0.9	61	73	64	64	2890
SweetTon MS	Dyna-Gro Seed	11.0	3.8	109%	9.4	54	14	82	43,500	GS	ML	SCA	109	7.2	53	3.6	12.3	3.5	6.0	0.6	51	66	60	63	2760
F75FS15	Dyna-Gro Seed	10.6	3.7	106%	-	50	16	68	21,900	FS	M	-	148	7.4	42	3.4	14.9	16.3	6.0	1.0	50	66	65	70	3210
Fullgraze II BMR	Dyna-Gro Seed	9.8	3.4	97%	9.0	57	12	94	50,000	SS	ML	BMR	121	6.7	51	3.1	14.0	3.2	7.9	0.7	55	69	62	63	2811
Danny Boy II BMR	Dyna-Gro Seed	9.7	3.4	96%	8.4	55	13	68	45,800	SS	ME	BMR	168	9.4	44	2.4	15.6	3.4	8.2	0.7	64	76	69	68	3221
Fullgraze II	Dyna-Gro Seed	9.6	3.3	95%	9.3	52	16	74	36,200	SS	ML	-	105	6.5	55	3.8	10.6	4.5	6.9	0.7	52	67	59	62	2661
FS250	Rob-See-Co	9.5	3.3	95%	-	49	18	44	39,700	FS	M	SCA	129	10.2	50	3.3	10.8	6.8	6.0	0.7	54	71	64	66	2974
F72FS05	Dyna-Gro Seed	9.4	3.3	93%	10.2	49	21	44	40,300	FS	ME	-	136	10.4	49	2.9	11.4	5.8	8.8	0.9	60	75	64	64	2915
Super Sile 20	Dyna-Gro Seed	9.1	3.2	91%	9.6	52	19	75	31,200	FS	ML	-	140	8.1	45	3.4	12.5	12.4	7.3	0.9	54	70	65	67	3055
Dynagraze II BMR	Dyna-Gro Seed	9.0	3.1	89%	7.1	50	15	80	45,100	SS	ME	BMR	138	9.1	48	3.6	12.0	10.4	5.4	0.9	55	68	65	68	3129
Super Sweet 10	Dyna-Gro Seed	8.9	3.1	89%	7.6	50	18	50	26,600	SS	M	-	132	8.8	47	4.1	9.5	16.6	5.2	1.0	50	66	64	68	3080
F74FS72 BMR	Dyna-Gro Seed	8.5	3.0	85%	8.2	51	26	45	40,800	FS	M	BMR	142	9.9	50	3.4	10.8	4.3	8.8	0.8	63	76	66	64	2954
Dynagraze II	Dyna-Gro Seed	7.0	2.4	70%	6.2	49	16	72	24,500	SS	ME	-	117	7.5	50	4.5	9.7	13.9	6.3	0.9	50	66	61	65	2851
	Average	**10.0**	**3.5**	**100%**	**8.8**	**51**	**17**	**68**	**37,360**	**-**	**-**	**-**	**133**	**8.4**	**48**	**3.4**	**11.9**	**8.9**	**7.0**	**0.8**	**55**	**70**	**64**	**66**	**2977**
	[f]LSD (0.30)	1.2	0.4																						
	[f]LSD (0.05)	2.3	0.8																						
	Coefficient of Variation (CV)	8.8%	8.8%																						

aAll forage quality analyses results are dry basis values. CP=crude protein; aNDFom=ash free neutral detergent fiber; WSC=water-soluble carbohydrates; NDFD=neutral detergent fiber digestibility; TDN=total digestible nutrients; NEL=net energy for lactation; Milk/ton=predicted amount of milk produced per ton of silage dry matter calculated using MILK2013.

[b]Forage yield adjusted to 65% moisture content based on dried samples.

[c]Forage Type: GS=grain sorghum; FS=forage sorghum; SS=sorghum sudangrass.

[d]Relative maturities are provided by the companies. E=early; ME=medium-early; M=medium; ML=medium-late.

[e]Traits are provided by the companies. Dashes mean conventional (no traits) or information isn't available. BMR=brown mid-rib; SCA=sugar cane aphid.

[f]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:	Plainsman Research Center: (Zane Jenkins, Perry Jones Tanner Dunivan)
Planting Date:	June 23, 2025
Harvest Date:	November 6, 2025
Fertilizer:	Fall Strip-Till: N at 60 and P at 20 lb/ac applied as NH3 & 10-34-0
Herbicide:	Pre-plant: Buccaneer 5 Extra at 32 oz/ac, Moccasin at 21 oz/ac, and Atrazine 4L at 32 oz/ac; Pre-emerge: Buccaneer 5 Extra at 32 oz/ac, Warrant at 64 oz/ac, and Atrazine 4L at 16 oz/ac
Soil Type:	Richfield silt loam
GPS Coordinates:	37.4362045, -102.3184154
Trial Comments:	Planted into moisture and wheat stubble. Trial had excellent weed control throughout the season. Nearby weather station showed trial received about 6" of rain from planting through harvest.