



2018 Dryland Forage Sorghum Variety Performance Trial at Walsh

Brand	Hybrid	Forage Yield ^a		Moisture % at harvest	Stem Sugar %	Harvest Density plants/ac	Plant Height in	Days to Boot days after planting	Harvest Maturity	Relative Maturity ^b	Forage Type ^c	Traits ^d
		tons/ac	% of test avg.									
Dyna-Gro Seed	Fullgraze II	15.3	127	64	17.5	21,300	124	90	Milk	M	SS	-
Dyna-Gro Seed	F76FS77 BMR	15.1	126	65	18.0	27,500	58	97	Blister	ML	FS	BMR, BD
Dyna-Gro Seed	Super Sile 30	14.7	123	63	14.7	26,700	64	92	Milk	M	FS	-
Dyna-Gro Seed	705F	14.2	118	66	13.1	29,000	64	92	Milk	M	FS	SS
Alta Seeds	ADV S6504	14.1	117	71	12.5	24,400	84	111	Flowering	PS	SS	BMR-6
Dyna-Gro Seed	FX18878 BMR	13.4	112	63	13.4	23,600	77	85	Soft Dough	ME	FS	BMR
Alta Seeds	AF8301	13.1	110	65	9.0	28,300	61	93	Milk	M	FS	SS
Dyna-Gro Seed	FX18811	13.0	108	68	15.4	27,100	84	98	Blister	ML	FS	-
Dyna-Gro Seed	FX18311	13.0	108	68	11.0	29,100	84	78	Hard Dough	E	FS	-
Dyna-Gro Seed	FX18152	12.6	105	64	15.1	26,800	69	81	Hard Dough	E	FS	BMR, SS
Dyna-Gro Seed	Danny Boy BMR	12.5	104	72	13.0	27,900	107	97	Blister	PS	SS	BMR
LG Seeds	LG 5643	12.5	104	54	9.3	21,700	79	72	Hard Dough	M	Corn	-
Alta Seeds	ADV XF033	12.5	104	66	19.5	25,600	51	98	Blister	ML	FS	SS
Dyna-Gro Seed	Super Sile 20	12.0	100	65	12.5	26,900	86	94	Milk	M	FS	-
Dyna-Gro Seed	FX18317	11.8	98	65	15.5	26,700	71	80	Hard Dough	E	FS	-
Dyna-Gro Seed	FX18130	11.7	98	63	15.0	23,200	80	84	Soft Dough	ME	FS	BMR
Dyna-Gro Seed	FX18851 BMR	11.2	93	67	15.4	19,400	66	96	Blister	ML	FS	BMR, SS
Alta Seeds	AF7401	10.4	87	70	15.2	29,300	55	96	Blister	ML	FS	BMR-6, BD
Alta Seeds	ADV XF372	10.4	87	68	18.1	24,400	47	105	Flowering	L	FS	BMR-6, BD
Dyna-Gro Seed	F74FS23 BMR	9.7	81	67	14.9	24,000	81	92	Milk	M	FS	BMR
Dyna-Gro Seed	Fullgraze BMR	9.3	78	66	16.4	18,200	86	109	Flowering	L	SS	BMR
Dyna-Gro Seed	Fullgraze II BMR	8.9	74	67	15.0	17,400	93	105	Flowering	L	SS	BMR
Dyna-Gro Seed	GX16921	8.9	74	67	13.4	24,400	46	86	Soft Dough	ME	FS	Dual Purpose, SS
Dyna-Gro Seed	FX18340	7.3	61	62	8.0	18,600	80	78	Hard Dough	E	FS	-
Average		12.0		66	14.2	24,646	75	92				

^aLSD (P<0.20)

1.9

^aYields are adjusted to 65% moisture content based on oven-dried samples.

^bRelative maturities are provided by the companies. E=early; ME=medium-early; M=medium; ML=medium-late; L=late; PS=photoperiod sensitive

^cForage Type: FS=forage sorghum; SS=sorghum sudangrass.

^dTraits are provided by the companies. Dashes mean conventional (no traits) or information isn't available. BD=brachytic dwarf; BMR=brown mid-rib; BMR-6=one of the three main brown mid-rib genes; SS=short stature.

^eIf the difference between two varieties yields equals or exceeds the LSD value, there is an 80% chance the difference is significant.

Site Information

Collaborator: Plainsman Research Center (Kevin Larson & Brett Pettinger)
 Planting Date: June 1, 2018
 Harvest Date: October 7, 2018
 Previous Crop: Grain Sorghum
 Herbicide: Pre-emergence: Atrazine at 1.0 lb/ac, Metolachlor at 1.33 pts/ac, Mesotrione at 6.4 oz/ac, Glyphosate at 32 oz/ac; Post emergence: none.
 Fertilizer: Anhydrous N at 75 lb/ac and 10-34-0 at 7.5 gal/ac was strip till applied.
 Soil Type: Richfield silt loam