



2018 Irrigated Forage Sorghum Variety
Performance Trial at Rocky Ford

Brand	Hybrid	Forage		Moisture	Stem		Plant Height	Harvest Maturity	Relative Maturity ^b	Forage Type ^c	Traits ^d
		Yield ^a tons/ac	Yield % of test avg.		Sugar %	Lodging scale 0-9 ^e					
Dyna-Gro Seed	FX18811	38.0	155	69	14	0	127	Soft Dough	M	FS	-
Dyna-Gro Seed	FX18311	32.5	133	62	3	0	125	Mature	ML	FS	-
Dyna-Gro Seed	Fullgraze II	31.2	128	62	2	0	157	Soft Dough	ML	SS	-
Dyna-Gro Seed	FX18317	29.4	120	65	10	0	116	Mature	M	FS	-
Dyna-Gro Seed	Super Sile 20	29.1	119	69	11	0	120	Hard Dough	ML	FS	-
Dyna-Gro Seed	Fullgraze II BMR	28.8	118	67	14	0	139	Soft Dough	ML	SS	BMR
Dyna-Gro Seed	Super Sile 30	28.2	115	70	10	0	104	Hard Dough	ME	FS	-
Dyna-Gro Seed	Danny Boy BMR	27.9	114	72	7	0	139	Flowering	PS	SS	BMR
American Hybrids	Eco-Sile	27.8	114	64	2	0	82	Mature	M	FS	BD
Dyna-Gro Seed	FX18340	26.8	110	62	4	0	109	Mature	ML	FS	-
Dyna-Gro Seed	705F	26.6	109	68	2	0	84	Hard Dough	ME	FS	SS
Walter Moss Seed Co.	4Ever Green	26.4	108	75	6	0	130	Boot	PS	FS	-
Alta Seeds	ADV XF033	25.8	106	71	11	0	82	Hard Dough	M	FS	SS
Dyna-Gro Seed	F74FS23 BMR	25.3	103	72	15	0	111	Hard Dough	M	FS	BMR
Alta Seeds	AF8301	25.2	103	68	7	0	85	Hard Dough	M	FS	SS
American Hybrids	Val-4	24.8	101	69	2	0	133	Hard Dough	L	FS	-
Alta Seeds	ADV S6504	24.5	100	76	6	0	138	Flowering	PS	SS	BMR-6
Walter Moss Seed Co.	Mega Green	23.6	97	72	5	0	140	Flowering	PS	SS	-
Dyna-Gro Seed	FX18130	23.5	96	61	12	0	105	Mature	E	FS	BMR
Dyna-Gro Seed	FX18152	21.7	89	66	3	0	81	Mature	E	FS	BMR, SS
Dyna-Gro Seed	FX18878 BMR	20.4	83	70	11	8	108	Mature	E	FS	BMR
Dyna-Gro Seed	Fullgraze BMR	19.2	79	71	9	0	122	Soft Dough	ML	SS	BMR
Walter Moss Seed Co.	Mega Green BMR	18.9	77	77	7	0	112	Boot	PS	SS	BMR-6
Alta Seeds	AF7401	17.2	70	74	6	0	72	Hard Dough	L	FS	BMR-6, BD
Dyna-Gro Seed	FX18851 BMR	17.1	70	74	12	0	88	Hard Dough	ML	FS	BMR, SS
Alta Seeds	ADV XF372	15.7	64	76	7	0	73	Hard Dough	M	FS	BMR-6, BD
Dyna-Gro Seed	F76FS77 BMR	15.2	62	76	14	0	78	Hard Dough	ML	FS	BMR, BD
Dyna-Gro Seed	GX16921	14.0	57	66	2	0	60	Mature	ML	FS	Dual Purpose, SS
Average		24.5		69.5	8	0	108				
^f LSD (P<0.20)		2.9									

^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; DS=dry stalk; MS=male sterile, SS=short stature

^eScale where 0=no lodging and 9=severe lodging

^fIf the difference between two hybrid yields equals or exceeds the LSD value, there is an 80% chance the difference is significant

Site Information

Collaborator: Arkansas Valley Research Center (Mike Bartolo & Kevin Tanabe)
 Planting Date: May 22, 2018
 Harvest Date: September 24, 2018
 Previous Crop: Corn
 Herbicide: June 13, 2018: Huskie at 15 oz/ac
 Fertilizer: N at 17 and P at 78 lb/ac
 Irrigation: Crop was irrigated on May 22, June 18, July 5, July 31, and Aug. 22
 Soil Type: Rocky Ford silty clay loam
 Comments: Crop was cultivated on June 26.