

2008 Texas Panhandle Forage Sorghum Silage Trial

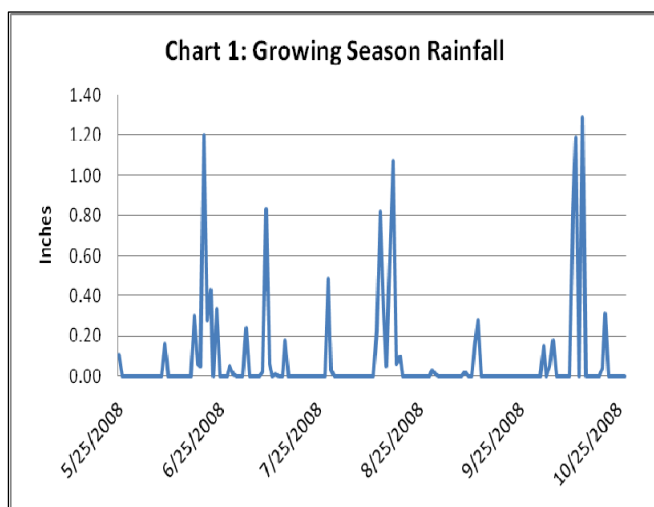
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Introduction

The summer of 2008 we completed our tenth year of consecutive sorghum silage variety trials conducted at the Texas AgriLife Research Station Bush Farm, located approximately 8 miles west of Amarillo. Results of trials from previous years can be found at <http://amarillo.tamu.edu/programs/agronomy/>. In addition, for the second year, we conducted a hay trial where two cuttings were collected during the season. The hay test is summarized in a separate report. This year's silage trial compared 69 entries.

Methods and Materials

The trial was made up of 69 hybrids provided mostly by seed companies on a per fee basis. Several male sterile hybrids were included. With the exception of the photoperiod sensitive (PS) hybrids all entries were capable of producing grain due to cross-pollination that occurred in the field with other hybrids. Seed companies will provide pollinator seed for male sterile hybrids if desired. The hybrids were planted in a randomized block design in four row plots planted on 30-inch raised beds. Irrigation was applied by furrow and the three replications (blocks) were stacked with the first replication being closest to the gated pipe, followed by the second and third replications. Irrigation scheduling was determined by monitoring gypsum blocks placed in the soil at depths of 1, 2, and 3 feet. Gypsum blocks were read every two to three days and plots were irrigated when the average of the three moisture blocks fell



below 60. Approximately 8.6 inches of water was applied during the season along with a pre-irrigation of 4.4 inches. The photoperiod sensitive (PS) hybrids received an additional 6.9 inches throughout the growing season. Rainfall totaled 12.6 inches during the growing season (May 27 – Oct 27) (Chart 1). Each hybrid was harvested for forage yield when grain reached the soft dough stage. PS hybrids were harvested on the last harvest date of the season (Oct 27). The first hard freeze (28.5 F) of the season occurred on October 24th. **Grain yield** was collected on November 24th **only from those entries where it was requested by the seed company.** Other cultural practices and study information are listed below:

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Trial Location: Bush farm located one mile north of Bushland, TX
 Cooperator: Texas AgriLife Research
 Previous Crop: Fallow
 Soil Type: Pullman Clay Loam, pH = 7.4
 Plot Size: Four, 30 inch rows by 25 ft
 Replications: 3
 Study Design: Randomized complete block
 Planting Date: May 27, 2008
 Planting Rate: 100,000 seed/acre
 Seed Method: John Deere Max-emerge Planter
 Fertilizer: Applied 85 lb/acre N and 45 lb/acre P₂O₅ based on soil test results for a 27 ton/acre yield.
 Herbicide: One lb/acre atrazine applied three days after planting.
 Irrigation: Furrow irrigated based on moisture block readings. Approximately 8.6 inches applied during the growing season. The PS hybrids received an additional 6.9 inches of irrigation throughout the growing season.
 Silage Harvest Date: Plots were checked weekly and harvested when grain was in the soft dough stage. Harvest dates ranged from September 15th to October 27th and are reported in Table 2.
 Grain Harvest Date: November 24th. Only from those entries where it was requested by the specific seed company.

Data Collected:

- Plant height (ft) at silage harvest
- Lodging at silage harvest. Percent of fallen or significantly leaning plants per plot.
- Forage (silage) yield. Collected at or near the soft dough stage from 10 feet of row. Yield is reported at 65% moisture in tons/acre.
- Nutrient analysis: Whole plant sub-samples were collected from the yield sample immediately after harvest, chopped, and frozen. These sub-samples were sent to Dairy One Laboratory, Ithaca, NY for analysis. All nutrient constituents were adjusted to a 100% moisture-free basis.
- Grain yield was collected from 10 feet of row. Samples were thrashed and yield reported in lb/acre. No moisture correction was made.
- Key Nutrient Analysis Definitions
 - Crude Protein:** 6.25 * % total nitrogen
 - TDN:** Estimate of total digestible nutrients
 - NDF:** Neutral detergent fiber; cell wall fraction of the forage
 - ADF:** % acid detergent fiber; constituent of the cell wall includes cellulose and lignin; inversely related to energy availability
 - NEI:** Estimate of Net Energy for lactation
 - NEm:** Estimate of Net Energy for maintenance
 - NEg:** Estimate of Net Energy for gain
 - IVTD:** % in vitro true digestibility; positively related to energy availability

RFV: Relative Feed Value is an index for comparing forages based on digestibility and intake potential. RFV is calculated from ADF and NDF. An RFV of 100 is considered the average score and represents alfalfa hay containing 41% ADF and 53% NDF on a dry matter digestibility.

RFQ: Relative Forage Quality is an index for comparing forages. RFQ is calculated from CP, ADF, NDF, fat, ash and NDF digestibility measured at 48 hours. It should be more reflective of the feeding value of the forage. RFQ is based on the same scoring system as RFV with an average score of 100. The higher the RFQ score the better the quality.

Milk lbs/ton: A projection of potential milk yield per ton for forage dry matter.

Results and Discussion

A summary of yield, agronomic traits, and nutrient composition, are reported by groups of different sorghum types in Table 1. See Table 2 for a listing of each specific hybrid's agronomy characteristics, yield, and nutrient composition.

Table 1. Summary of key characteristics by sorghum type.

Sorghum Type ¹⁾	% Lodging @ Harvest	% Moist. @ Harvest	Tons/Ac @ 65% Moist.	% Crude Protein	% ADF	% NDF	TDN	% Lignin	% IVTD	Milk lbs/ton DM	Relative Forage Quality (RFQ)
F. Sorghum NonBMR (29)	41.2	68.0	19.6	7.1	32.4	52.2	64	4.0	76.8	2587	125
F. Sorghum BMR (21)	16.6	69.5	17.3	7.9	29.4	47.2	69	2.9	82.7	2918	151
F. Sorghum NonBMR PS (4)	4.6	73.1	25.6	5.9	37.9	59.8	60	4.4	73.7	2263	101
F. Sorghum BMR PS (2)	0	74.7	20.1	5.8	37.8	58.3	65	3.3	78.7	2528	113
Sorghum/Sudan NonBMR (2)	0	67.9	19.1	7.0	35.1	54.8	62	4.3	75.8	2456	115
Sorghum/Sudan NonBMR PS (4)	0	71.6	21.2	5.7	37.6	58.6	59	4.4	74.3	2235	98.1
Sorghum/Sudan BMR (6)	1.7	68.6	17.1	8.4	30.1	48.4	67	3.5	80.5	2796	141
Sorghum/Sudan BMR PS (1)	0	71.9	16.1	9.2	36.9	57.6	64	4.0	79	2479	127
Test Avg.	8	70.7	19.5	7.1	34.7	54.6	63.8	3.9	77.7	2533	121.4

¹⁾ Number in parenthesis is the number of hybrids that make up each sorghum type. BMR = Brown midrib, PS = Photoperiod sensitive.

Excellent precipitation during the preceding winter and spring led to excellent deep soil moisture at the time of planting. All plots were pre-irrigated to insure good seed-bed moisture for germination and stand establishment. Temperatures were relatively mild and timely rainfall was received throughout most of the growing season (Chart 1). Gypsum blocks placed at the 1, 2, and 3 ft soil depth did not indicate the need for as much irrigation compared to previous years.

Only 8.6 inches of irrigation water was applied to the non-photoperiod sensitive (PS) entries during the year. However, the soil profile was wet down to at least 4-ft at the time of planting. The PS entries required an additional 6.9 inches of irrigation water during the growing season.

Average forage yield was lower than what we normally expect under full irrigation. Possibly the sorghum was moisture stressed more than indicated by our moisture block readings. BMR forage sorghum silage yielded 11.7% less than nonBMR forage sorghum (Table 1). This is similar to what we have observed in previous years. Highest yielding hybrids were the PS nonBMR entries averaging 25.6 ton/acre. As in previous years, when the BMR trait was added to the PS hybrids, yield was reduced compared to nonBMR PS hybrids.

Lodging was exceptionally high in the nonBMR forage sorghum hybrids averaging over 41%. In contrast the BMR hybrids averaged only 16.6% lodging. This was just the opposite of what we normally expect. Last year (2007) lodging of BMR forage sorghum hybrids was much higher than in the nonBMR entries. The sorghum/sudan BMR hybrids in 2008 had more lodging than their nonBMR counterparts. It was noted that stalk rot and corn borer damage was present in many of the plots. All of this suggests the importance of considering the lodging history or specific hybrids rather than assuming one hybrid will lodge more than another based on it having the BMR trait or not.

In 2008 grain yield was only collected from those entries where it was requested by the seed company. These yields are reported in Table 2. In general, grain yield was not as high as expected suggesting that the forage sorghum was moisture stressed more than previous years. It is important to note that grain yield was collected by hand even from those entries with severe lodging.

As seen in previous tests, on average, the % IVTD was higher for the types of sorghum containing the BMR trait compared to similar types without the BMR trait (Tables 1 and 2). IVTD for the nonBMR forage sorghums ranged from 69.3 to 84.0% and averaged 76.8% while the IVTD of the BMR forage sorghums ranged from 75.3 to 85.7% and averaged 82.7%. As noted in previous tests, the PS hybrids had the lower IVTD values. Combining the BMR trait with PS improved the IVTD of the PS hybrids.

There are all kinds of ways to sort the data depending on the selection criteria. For this study, it was decided to place an emphasis on digestibility (energy), standability, and yield, in that order. To come up with a list of the top 25% of the hybrids in the trial based on this criteria the following procedure was used. First, only the hybrids that were statistically highest in % IVTD were considered. Second, all hybrids that lodged more than 20% were eliminated. From the remaining hybrids the top 17 in yield were selected to make up the list of top 25% hybrids (Table 3). Of these hybrids % IVTD ranged from 79.0 to 85.7, yield ranged from 17.2 to 21.6 ton/acre, and no hybrid lodged more than 5%.

Table 3. Top 25% hybrids based on %IVTD, standability, and yield.

Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	% Lodged	Tons/ac @ 65% Moist.	Crude Protein	% IVTD	Relative Feed Quality
MMR 381/73	MMR Genetics	Forage Sorghum	ML	N	N	0.0	21.6	8.4	80.0	140
Si-Gro H-1	Golden Harvest	Forage Sorghum	ME	N	N	0.0	21.1	7.3	82.7	150
Canex BMR x 403	Sharp Bros. Seed	Forage Sorghum	M	Y	Y	0.0	19.7	7.3	85.0	162
HIKANE II	Sorghum Partners	Forage Sorghum	E	N	N	0.0	19.7	7.8	82.7	157
4 Ever Green BMR	Walter Moss Seed	Forage Sorghum	PS	Y	N	0.0	19.5	6.0	79.0	115
Sweeter N Honey BMR	Richardson Seeds	Sorghum/Sudan	M	Y	N	0.0	19.4	9.3	81.3	163
318	Garst Seed	Forage Sorghum	ML	N	N	0.0	18.7	8.6	79.7	129
311	Garst Seed	Forage Sorghum	ME	N	N	0.0	18.6	8.6	84.0	175
Hawk BMR	Blue River Hybrids	Sorghum/Sudan	M	Y	N	3.3	18.6	7.7	80.0	137
X50711	Richardson Seeds	Forage Sorghum	ML	N	N	0.0	18.5	9.1	83.7	177
Exp 6810x	Coffey Seeds	Forage Sorghum	ML	Y	Y	0.0	18.4	8.7	85.7	158
EX HP08DW	E. Colorado Seeds	Forage Sorghum	M	Y	N	5.0	18.2	7.5	80.7	131
NC+ BMR77F	NC+ Hybrids	Forage Sorghum	M	Y	N	0.0	17.9	8.2	83.7	144
GW-400BMR	Gayland Ward	Forage Sorghum	M	Y	Y	0.0	17.4	8.8	85.7	195
HP 95BMR	E. Colorado Seeds	Forage Sorghum	M	Y	N	0.0	17.3	8.7	83.7	151
GW8528Fbmr	Crosbyton Seed.	Forage Sorghum	M	Y	N	0.0	17.2	8.2	85.0	168
Canex BMR x 402	Sharp Bros. Seed	Forage Sorghum	M	Y	Y	0.0	17.2	7.9	84.3	174

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Agronomic Information at Forage Harvest ²⁾					Grain Yield, lb/ac
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	Harv. Date	% Lodge	Height, ft.	% Moisture	Tons/ac @ 65% Moist.	
23419	Advanta US	Forage Sorghum	M	Y	N	22-Sep	5.0 def	6.9 b	65.7 h-p	16.2 d-i	3,193
26837	Advanta US	Forage Sorghum	ML	Y	N	8-Oct	26.7 c-f	5.6 b	71.8 a-h	15.8 f-i	6,005
Sweet Choice BMR	ARB	Forage Sorghum	M	Y	Y	8-Oct	23.3 c-f	6.5 b	63.5 m-p	19.6 c-i	
Sweet King BMR	ARB	Sorghum/Sudan	ME	Y		14-Sep	6.7 def	6.7 b	70.4 b-k	16.2 d-i	
Hawk BMR	Blue River Hybrids	Sorghum/Sudan	M	Y	N	22-Sep	3.3 def	6.9 b	67.3 f-p	18.6 c-i	
Exp 6810x	Coffey Forage Seeds	Forage Sorghum	ML	Y	Y	17-Sep	0.0 f	6.9 b	72.4 a-g	18.4 c-i	
GW3072F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	8-Oct	96.7 a	5.9 b	64.0 l-p	20.2 b-i	5,716
GW7191Gbm	Crosbyton Seed Co.	Sorghum/Sudan	M	Y	Y	14-Sep	0.0 f	7.3 b	68.0 d-p	20.5 b-h	
GW8528Fbm	Crosbyton Seed Co.	Forage Sorghum	M	Y	N	14-Sep	0.0 f	6.6 b	69.2 b-o	17.2 c-i	3,715
GWX3023Fbm	Crosbyton Seed Co.	Forage Sorghum	ML	Y	N	26-Oct	88.0 a	5.7 b	63.4 nop	16.8 c-i	5,828
GWX3172F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	22-Sep	31.7 c-f	5.3 b	66.6 g-p	21.3 b-h	5,076
FS120199	Drussel Seed & Supply	Forage Sorghum	M	Y	N	28-Sep	28.3 c-f	7.3 b	67.5 e-p	20.1 b-i	3,318
EX HP08DW	E. Colorado Seeds	Forage Sorghum	M	Y	N	8-Oct	5.0 def	5.4 b	69.6 b-n	18.2 c-i	
HP 1010BMR	E. Colorado Seeds	Forage Sorghum	ML	Y	Y	8-Oct	26.7 c-f	7.3 b	68.2 c-p	15.8 f-i	
HP 95BMR	E. Colorado Seeds	Forage Sorghum	M	Y	N	17-Sep	0.0 f	7.0 b	70.1 b-l	17.3 c-i	
Silmaker 6500	Frontier Hybrids	Forage Sorghum	M	N	N	8-Oct	91.7 a	6.0 b	63.4 op	20.3 b-i	6,473
Silmaker 7000	Frontier Hybrids	Forage Sorghum	M	N	N	8-Oct	43.0 b-f	8.7 b	68.3 c-p	21.7 b-h	2,484
311	Garst Seed Co.	Forage Sorghum	ME	N	N	17-Sep	0.0 f	5.8 b	73.9 a-d	18.6 c-i	
318	Garst Seed Co.	Forage Sorghum	ML	N	N	17-Sep	0.0 f	7.5 b	71.9 a-g	18.7 c-i	2,633
GW-400BMR	Gayland Ward	Forage Sorghum	M	Y	Y	22-Sep	0.0 f	7.0 b	71.7 a-h	17.4 c-i	
GW-PS500	Gayland Ward	Forage Sorghum	PS	N	N	26-Oct	0.0 f	9.2 b	71.6 a-i	22.7 b-f	
Si-Gro H-1	Golden Harvest	Forage Sorghum	ME	N	N	22-Sep	0.0 f	7.2 b	70.0 b-l	21.1 b-h	
Si-Gro H-44	Golden Harvest	Forage Sorghum	ML	N	N	8-Oct	65.0 abc	6.3 b	65.4 i-p	18.7 c-i	
MMR 381/73	MMR Genetics	Forage Sorghum	ML	N	N	22-Sep	0.0 f	5.4 b	66.9 g-p	21.6 b-h	
NC+ BMR77F	NC+ Hybrids	Forage Sorghum	M	Y	N	14-Sep	0.0 f	6.1 b	68.5 c-p	17.9 c-i	4,278
NC+ Nutri-Choice II	NC+ Hybrids	Forage Sorghum	ML	N	N	26-Oct	61.7 abc	42.2 a	62.4 p	20.5 b-h	5,953
NC+ Nutri-Ton II	NC+ Hybrids	Forage Sorghum	ML	N	N	8-Oct	80.0 ab	7.8 b	69.7 b-m	23.5 b-e	4,362
979	Pioneer Hi-Bred Int.	Sorghum/Sudan	M	N	Y	22-Sep	3.3 def	6.7 b	66.5 g-p	20.1 b-i	
811F	Pioneer Hi-Bred Int.	Forage Sorghum	ML	N	N	26-Oct	18.3 def	7.3 b	72.7 a-g	20.8 b-h	
849F	Pioneer Hi-Bred Int.	Forage Sorghum	M	N	N	22-Sep	0.0 f	7.6 b	68.7 b-o	24.1 bc	
Red Top Plus	Production Plus	Forage Sorghum	ML	Y	N	8-Oct	23.3 c-f	6.4 b	66.8 g-p	18.0 c-i	
Silo Buster	Production Plus	Forage Sorghum	ML	N	N	8-Oct	88.3 a	9.3 b	67.2 g-p	19.1 c-i	
Bundle King BMR	Richardson Seeds	Forage Sorghum	L	Y	Y	26-Oct	23.3 c-f	9.8 b	72.0 a-g	17.0 c-i	1,093
Dairy Master BMR	Richardson Seeds	Forage Sorghum	ML	Y	N	17-Sep	0.0 f	7.3 b	73.5 a-f	16.5 c-i	2,095
Pacesetter BMR	Richardson Seeds	Forage Sorghum	PS	Y	N	26-Oct	0.0 f	8.8 b	75.0 ab	20.7 b-h	
Silo 700D	Richardson Seeds	Forage Sorghum	ML	N	N	8-Oct	31.7 c-f	6.5 b	68.3 c-p	19.6 c-i	5,099
Sweeter N Honey BMR	Richardson Seeds	Sorghum/Sudan	M	Y	N	14-Sep	0.0 f	7.0 b	64.4 k-p	19.4 c-i	141
X50701	Richardson Seeds	Forage Sorghum	ML	N	N	17-Sep	0.0 f	5.3 b	70.8 a-j	16.8 c-i	6,506

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Agronomic Information at Forage Harvest ²⁾					Grain Yield, lb/ac
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	Harv. Date	% Lodge	Height, ft.	% Moisture	Tons/ac @ 65% Moist.	
X50711	Richardson Seeds	Forage Sorghum	ML	N	N	22-Sep	0.0 f	5.7 b	71.5 a-j	18.5 c-i	5,831
X50714	Richardson Seeds	Forage Sorghum	ML	N	N	22-Sep	0.0 f	5.7 b	72.1 a-g	16.6 c-i	5,921
RSC- HiLow	Roth Seed Co.	Forage Sorghum	M	N	N	8-Oct	93.3 a	6.1 b	65.3 j-p	19.0 c-i	
RSC-Rocky Top BMR	Roth Seed Co.	Forage Sorghum	M	Y	N	14-Sep	0.0 f	6.5 b	69.7 b-l	16.8 c-i	
Premium Stock LS	Scott Seed Co.	Sorghum/Sudan	PS	N	N	26-Oct	0.0 f	8.8 b	72.4 a-g	21.5 b-h	
S. S. Silage	Scott Seed Co.	Forage Sorghum	ML	N	N	8-Oct	33.3 c-f	8.5 b	69.3 b-o	20.0 b-i	2,924
Canex BMR 208	Sharp Bros. Seed Co.	Forage Sorghum	ME	Y	N	14-Sep	0.0 f	6.2 b	70.8 a-j	15.0 ghi	3,500
Canex BMR x 402	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	17-Sep	0.0 f	6.2 b	71.9 a-h	17.2 c-i	2,579
Canex BMR x 403	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	17-Sep	0.0 f	6.8 b	70.7 b-j	19.7 b-i	2,533
1990	Sorghum Partners	Forage Sorghum	PS	N	N	26-Oct	0.0 f	9.4 b	70.5 b-k	27.2 b	
HIKANE II	Sorghum Partners	Forage Sorghum	E	N	N	17-Sep	0.0 f	6.8 b	71.7 a-h	19.7 b-i	2,328
NK300	Sorghum Partners	Forage Sorghum	ME	N	N	8-Oct	93.3 a	5.9 b	62.3 p	20.3 b-i	6,458
Sordan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	26-Oct	0.0 f	10.0 b	72.7 a-g	20.5 b-h	
SS405	Sorghum Partners	Forage Sorghum	L	N	N	26-Oct	5.0 def	10.9 b	66.8 g-p	20.4 b-i	
SS506	Sorghum Partners	Forage Sorghum	L	N	N	26-Oct	6.7 def	10.7 b	67.8 d-p	23.6 bcd	
Trudan BMR	Sorghum Partners	Sorghum/Sudan	PS	Y	N	26-Oct	0.0 f	8.2 b	71.9 a-g	16.1 d-i	
Trudan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	26-Oct	0.0 f	10.1 b	69.6 b-n	21.7 b-h	
X912	Sorghum Partners	Forage Sorghum	M	N	N	26-Oct	75.0 ab	9.3 b	68.3 c-p	17.6 c-i	2,991
X913	Sorghum Partners	Forage Sorghum	M	N	N	26-Oct	71.7 ab	9.0 b	67.2 g-p	12.9 i	2,752
X915	Sorghum Partners	Forage Sorghum	M	N	N	26-Oct	46.7 bcd	9.2 b	69.5 b-o	15.6 f-i	3,585
X916	Sorghum Partners	Forage Sorghum	M	N	N	26-Oct	76.7 ab	7.8 b	69.2 b-o	15.3 f-i	3,293
Super Sile 30	Triumph Seed Co.	Forage Sorghum	ML	N	N	8-Oct	60.0 abc	7.4 b	67.2 g-p	19.2 c-i	4,731
Super Sile BMR 42	Triumph Seed Co.	Forage Sorghum	ML	Y	N	26-Oct	93.3 a	7.5 b	67.9 d-p	14.5 hi	3,656
38 Special BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	17-Sep	0.0 f	7.1 b	73.6 a-e	16.0 e-i	
4 Ever Green	Walter Moss Seed, Co.	Forage Sorghum	PS	N	N	26-Oct	0.0 f	9.6 b	77.0 a	32.5 a	
4 Ever Green BMR	Walter Moss Seed, Co.	Forage Sorghum	PS	Y	N	26-Oct	0.0 f	8.9 b	74.4 abc	19.5 c-i	
Century BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	17-Sep	0.0 f	7.3 b	67.9 d-p	16.8 c-i	
F-17	Walter Moss Seed, Co.	Forage Sorghum	L	N	N	8-Oct	45.0 b-e	6.7 b	68.9 b-o	22.3 b-g	
Mega Green	Walter Moss Seed, Co.	Sorghum/Sudan	PS	N	N	26-Oct	0.0 f	9.8 b	71.6 a-i	21.1 b-h	
Millennium BMR	Walter Moss Seed, Co.	Forage Sorghum	L	Y	N	17-Sep	0.0 f	7.3 b	73.9 a-d	16.8 c-i	
SU-2-LM	Walter Moss Seed, Co.	Sorghum/Sudan	L	N	N	26-Oct	1.7 ef	9.8 b	69.4 b-o	18.2 c-i	
LSD (P=.05)							24.05	6.08	3.39	4.12	
Standard Deviation							14.88	3.76	2.10	2.55	
CV							65.3	47.5	3.0	13.3	
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	

¹⁾ Variety information provided by seed companies. Male sterile entries were cross pollinated by other varieties.

²⁾ Means followed by the same letter do not significantly differ at (P=0.05).

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Nutrient Composition & Calculations ²⁾				
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	Crude Protein	ADF	NDF	Lignin	Starch
23419	Advanta US	Forage Sorghum	M	Y	N	9.2 abc	29.7 e-p	47.2 f-p	3.1 h-s	17.4 a-i
26837	Advanta US	Forage Sorghum	ML	Y	N	7.6 a-q	32.7 a-o	52.5 a-o	3.4 d-s	16.6 a-k
Sweet Choice BMR	ARB	Forage Sorghum	M	Y	Y	8.2 a-n	28.0 j-p	44.6 j-p	3.0 i-t	18.3 a-f
Sweet King BMR	ARB	Sorghum/Sudan	ME	Y		9.3 abc	30.8 b-p	48.4 d-p	3.4 e-s	15.4 a-n
Hawk BMR	Blue River Hybrids	Sorghum/Sudan	M	Y	N	7.7 a-q	30.1 e-p	49.0 d-p	3.5 b-s	18.3 a-f
Exp 6810x	Coffey Forage Seeds	Forage Sorghum	ML	Y	Y	8.7 a-i	25.4 op	42.4 nop	1.5 t	15.0 a-o
GW3072F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	7.6 a-q	33.0 a-o	53.7 a-o	5.1 ab	19.2 a-f
GW7191Gbm	Crosbyton Seed Co.	Sorghum/Sudan	M	Y	Y	8.1 a-n	32.0 a-p	52.3 a-o	3.3 f-s	13.7 a-o
GW8528Fbm	Crosbyton Seed Co.	Forage Sorghum	M	Y	N	8.2 a-n	26.6 m-p	43.0 m-p	2.9 k-t	21.5 a-e
GWX3023Fbm	Crosbyton Seed Co.	Forage Sorghum	ML	Y	N	7.2 b-r	31.4 a-p	54.1 a-n	4.4 a-k	19.3 a-f
GWX3172F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	7.0 b-r	31.8 a-p	51.4 a-o	4.0 a-p	18.4 a-f
FS120199	Drussel Seed & Supply	Forage Sorghum	M	Y	N	8.7 a-h	28.9 h-p	46.0 h-p	2.8 l-t	17.4 a-i
EX HP08DW	E. Colorado Seeds	Forage Sorghum	M	Y	N	7.5 a-q	30.8 b-p	50.8 a-p	3.5 b-s	18.5 a-f
HP 1010BMR	E. Colorado Seeds	Forage Sorghum	ML	Y	Y	8.2 a-n	31.2 b-p	50.3 b-p	3.7 a-q	17.0 a-j
HP 95BMR	E. Colorado Seeds	Forage Sorghum	M	Y	N	8.7 a-g	29.2 g-p	47.2 f-p	2.1 st	15.7 a-m
Silmaker 6500	Frontier Hybrids	Forage Sorghum	M	N	N	6.5 c-r	35.3 a-k	57.4 a-h	4.6 a-i	15.7 a-m
Silmaker 7000	Frontier Hybrids	Forage Sorghum	M	N	N	6.5 c-r	31.9 a-p	51.7 a-o	3.7 b-s	18.4 a-f
311	Garst Seed Co.	Forage Sorghum	ME	N	N	8.6 a-j	28.5 h-p	44.4 j-p	2.6 n-t	17.3 a-i
318	Garst Seed Co.	Forage Sorghum	ML	N	N	8.6 a-j	30.5 c-p	50.3 b-p	2.4 o-t	13.8 a-o
GW-400BMR	Gayland Ward	Forage Sorghum	M	Y	Y	8.8 a-e	27.9 j-p	42.7 nop	2.9 k-t	16.4 a-k
GW-PS500	Gayland Ward	Forage Sorghum	PS	N	N	5.2 o-r	37.6 a-e	58.8 a-f	4.7 a-h	5.0 j-o
Si-Gro H-1	Golden Harvest	Forage Sorghum	ME	N	N	7.3 b-q	28.9 h-p	46.2 g-p	2.6 n-t	16.1 a-k
Si-Gro H-44	Golden Harvest	Forage Sorghum	ML	N	N	6.6 c-r	33.9 a-m	55.6 a-k	5.3 a	19.3 a-f
MMR 381/73	MMR Genetics	Forage Sorghum	ML	N	N	8.4 a-l	29.9 e-p	47.1 f-p	3.1 i-s	18.7 a-f
NC+ BMR77F	NC+ Hybrids	Forage Sorghum	M	Y	N	8.2 a-n	27.4 l-p	44.9 i-p	2.4 p-t	19.8 a-f
NC+ Nutri-Choice II	NC+ Hybrids	Forage Sorghum	ML	N	N	7.2 b-r	33.4 a-n	54.8 a-m	4.8 a-g	19.4 a-f
NC+ Nutri-Ton II	NC+ Hybrids	Forage Sorghum	ML	N	N	6.1 e-r	32.9 a-o	53.0 a-o	3.7 b-s	19.3 a-f
979	Pioneer Hi-Bred Int.	Sorghum/Sudan	M	N	Y	7.5 a-q	35.3 a-k	55.4 a-k	4.3 a-m	10.3 d-o
811F	Pioneer Hi-Bred Int.	Forage Sorghum	ML	N	N	7.0 b-r	38.4 ab	61.4 abc	4.4 a-l	5.5 i-o
849F	Pioneer Hi-Bred Int.	Forage Sorghum	M	N	N	8.8 a-f	30.6 b-p	49.2 d-p	3.9 a-p	18.2 a-g
Red Top Plus	Production Plus	Forage Sorghum	ML	Y	N	9.1 a-d	24.8 p	39.1 p	2.4 o-t	22.6 abc
Silo Buster	Production Plus	Forage Sorghum	ML	N	N	5.8 j-r	35.4 a-j	56.8 a-i	4.5 a-j	14.1 a-o
Bundle King BMR	Richardson Seeds	Forage Sorghum	L	Y	Y	5.5 m-r	31.4 a-p	50.9 a-p	3.2 g-s	10.9 b-o
Dairy Master BMR	Richardson Seeds	Forage Sorghum	ML	Y	N	7.0 b-r	30.0 e-p	47.6 f-p	2.6 n-t	14.5 a-o
Pacesetter BMR	Richardson Seeds	Forage Sorghum	PS	Y	N	5.5 n-r	37.2 a-f	58.6 a-f	3.2 g-s	3.2 o
Silo 700D	Richardson Seeds	Forage Sorghum	ML	N	N	7.9 a-p	29.0 h-p	47.9 e-p	3.9 a-p	22.9 ab
Sweeter N Honey BMR	Richardson Seeds	Sorghum/Sudan	M	Y	N	9.3 abc	28.6 h-p	46.0 h-p	3.5 b-s	20.8 a-f
X50701	Richardson Seeds	Forage Sorghum	ML	N	N	10.2 a	26.7 m-p	43.4 l-p	3.0 i-t	23.1 a

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Nutrient Composition & Calculations ²⁾				
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	Crude Protein	ADF	NDF	Lignin	Starch
X50711	Richardson Seeds	Forage Sorghum	ML	N	N	9.1 a-d	28.3 i-p	44.6 j-p	2.9 j-t	18.5 a-f
X50714	Richardson Seeds	Forage Sorghum	ML	N	N	9.6 ab	25.8 nop	41.9 op	3.1 i-t	23.4 a
RSC- HiLow	Roth Seed Co.	Forage Sorghum	M	N	N	5.9 i-r	36.1 a-i	59.5 a-e	4.9 a-e	15.9 a-l
RSC-Rocky Top BMR	Roth Seed Co.	Forage Sorghum	M	Y	N	8.5 a-k	30.3 d-p	47.9 e-p	2.6 n-t	13.3 a-o
Premium Stock LS	Scott Seed Co.	Sorghum/Sudan	PS	N	N	5.0 qr	37.5 a-e	58.0 a-g	3.7 a-q	3.5 no
S. S. Silage	Scott Seed Co.	Forage Sorghum	ML	N	N	6.0 f-r	31.8 a-p	52.2 a-o	3.7 a-q	16.7 a-j
Canex BMR 208	Sharp Bros. Seed Co.	Forage Sorghum	ME	Y	N	8.1 a-n	28.0 j-p	45.2 i-p	2.4 p-t	18.5 a-f
Canex BMR x 402	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	7.9 a-p	27.5 k-p	43.8 k-p	2.8 l-t	20.2 a-f
Canex BMR x 403	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	7.3 b-r	29.9 e-p	45.0 i-p	2.1 rst	14.2 a-o
1990	Sorghum Partners	Forage Sorghum	PS	N	N	5.9 h-r	39.2 a	62.1 ab	4.6 a-i	4.6 k-o
HIKANE II	Sorghum Partners	Forage Sorghum	E	N	N	7.8 a-p	28.3 i-p	44.8 j-p	2.7 m-t	17.9 a-h
NK300	Sorghum Partners	Forage Sorghum	ME	N	N	7.5 a-q	34.1 a-m	55.3 a-l	4.8 a-g	18.2 a-g
Sordan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	5.6 l-r	38.3 abc	59.6 a-e	4.9 a-e	3.5 no
SS405	Sorghum Partners	Forage Sorghum	L	N	N	5.7 k-r	37.1 a-f	58.0 a-g	4.9 a-f	9.9 d-o
SS506	Sorghum Partners	Forage Sorghum	L	N	N	6.0 f-r	37.0 a-g	57.9 a-h	5.0 a-d	9.7 e-o
Trudan BMR	Sorghum Partners	Sorghum/Sudan	PS	Y	N	9.2 abc	36.9 a-g	57.6 a-h	4.0 a-o	3.6 mno
Trudan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	6.2 e-r	37.3 a-e	58.7 a-f	4.8 a-g	6.2 g-o
X912	Sorghum Partners	Forage Sorghum	M	N	N	5.2 pqr	38.1 a-d	60.3 a-d	5.0 abc	9.8 d-o
X913	Sorghum Partners	Forage Sorghum	M	N	N	4.5 r	38.3 abc	62.4 a	4.9 a-e	10.8 c-o
X915	Sorghum Partners	Forage Sorghum	M	N	N	5.8 j-r	35.1 a-l	56.3 a-j	4.4 a-l	11.9 a-o
X916	Sorghum Partners	Forage Sorghum	M	N	N	5.9 g-r	34.9 a-l	57.1 a-h	4.4 a-l	13.2 a-o
Super Sile 30	Triumph Seed Co.	Forage Sorghum	ML	N	N	7.2 b-r	31.1 b-p	50.0 c-p	4.4 a-l	22.6 abc
Super Sile BMR 42	Triumph Seed Co.	Forage Sorghum	ML	Y	N	5.6 m-r	36.1 a-i	58.7 a-f	3.9 a-p	12.0 a-o
38 Special BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	7.8 a-p	29.3 f-p	46.6 g-p	3.4 c-s	19.3 a-f
4 Ever Green	Walter Moss Seed, Co.	Forage Sorghum	PS	N	N	5.6 m-r	36.4 a-h	56.8 a-i	3.7 a-r	5.1 j-o
4 Ever Green BMR	Walter Moss Seed, Co.	Forage Sorghum	PS	Y	N	6.0 e-r	38.4 ab	58.0 a-g	3.6 b-s	4.1 l-o
Century BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	8.3 a-m	30.0 e-p	48.0 e-p	3.7 a-r	18.1 a-g
F-17	Walter Moss Seed, Co.	Forage Sorghum	L	N	N	6.4 d-r	31.3 b-p	50.5 b-p	4.2 a-n	21.9 a-d
Mega Green	Walter Moss Seed, Co.	Sorghum/Sudan	PS	N	N	5.9 h-r	37.3 a-e	58.0 a-g	4.3 a-m	5.9 h-o
Millennium BMR	Walter Moss Seed, Co.	Forage Sorghum	L	Y	N	8.0 a-o	29.2 g-p	47.1 f-p	2.2 q-t	15.8 a-l
SU-2-LM	Walter Moss Seed, Co.	Sorghum/Sudan	L	N	N	6.5 c-r	34.9 a-l	53.7 a-o	4.3 a-m	9.5 f-o
LSD (P=.05)						1.54	4.31	6.50	0.88	6.57
Standard Deviation						0.95	2.66	4.02	0.55	4.07
CV						13.0	8.3	7.8	15.0	27.4
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

¹⁾ Variety information provided by seed companies. Male sterile entries were cross pollinated by other varieties.

²⁾ Means followed by the same letter do not significantly differ at (P=0.05).

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Nutrient Composition & Calculations ²⁾				
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	TDN	% IVTD	NEL Mcal/lb	NEM Mcal/lb	NEG Mcal/lb
23419	Advanta US	Forage Sorghum	M	Y	N	69.3 a-g	83.0 a-f	0.69 a-j	0.70 a-k	0.43 a-j
26837	Advanta US	Forage Sorghum	ML	Y	N	66.7 a-k	81.0 a-i	0.64 a-p	0.66 a-p	0.39 a-o
Sweet Choice BMR	ARB	Forage Sorghum	M	Y	Y	69.0 a-h	83.3 a-f	0.70 a-j	0.70 a-j	0.43 a-j
Sweet King BMR	ARB	Sorghum/Sudan	ME	Y		66.0 a-l	80.3 a-k	0.66 a-n	0.65 a-q	0.38 a-q
Hawk BMR	Blue River Hybrids	Sorghum/Sudan	M	Y	N	67.3 a-i	80.0 a-l	0.67 a-m	0.67 a-m	0.41 a-m
Exp 6810x	Coffey Forage Seeds	Forage Sorghum	ML	Y	Y	73.3 a	85.7 a	0.75 ab	0.77 a	0.49 a
GW3072F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	61.0 h-n	73.7 j-q	0.58 h-r	0.57 j-t	0.31 j-s
GW7191Gbm	Crosbyton Seed Co.	Sorghum/Sudan	M	Y	Y	64.7 b-m	78.3 b-o	0.63 a-q	0.63 b-s	0.36 b-r
GW8528Fbm	Crosbyton Seed Co.	Forage Sorghum	M	Y	N	71.7 abc	85.0 abc	0.73 abc	0.74 abc	0.46 abc
GWX3023Fbm	Crosbyton Seed Co.	Forage Sorghum	ML	Y	N	62.0 f-n	75.7 g-q	0.59 f-r	0.58 h-t	0.33 f-s
GWX3172F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	64.0 c-m	78.0 c-p	0.62 c-q	0.62 c-s	0.35 c-r
FS120199	Drussel Seed & Supply	Forage Sorghum	M	Y	N	70.0 a-f	83.7 a-e	0.70 a-i	0.71 a-h	0.44 a-g
EX HP08DW	E. Colorado Seeds	Forage Sorghum	M	Y	N	67.0 a-j	80.7 a-j	0.65 a-o	0.66 a-p	0.39 a-o
HP 1010BMR	E. Colorado Seeds	Forage Sorghum	ML	Y	Y	66.0 a-l	79.3 a-m	0.64 a-p	0.64 a-r	0.38 a-q
HP 95BMR	E. Colorado Seeds	Forage Sorghum	M	Y	N	70.7 a-d	83.7 a-e	0.71 a-h	0.72 a-f	0.45 a-e
Silmaker 6500	Frontier Hybrids	Forage Sorghum	M	N	N	61.0 h-n	74.7 h-q	0.56 k-r	0.56 k-t	0.31 k-s
Silmaker 7000	Frontier Hybrids	Forage Sorghum	M	N	N	64.3 c-m	77.0 d-p	0.62 b-q	0.62 c-s	0.35 c-r
311	Garst Seed Co.	Forage Sorghum	ME	N	N	70.7 a-d	84.0 a-d	0.72 a-f	0.72 a-e	0.45 a-e
318	Garst Seed Co.	Forage Sorghum	ML	N	N	65.7 a-l	79.7 a-l	0.64 a-p	0.64 a-r	0.38 a-q
GW-400BMR	Gayland Ward	Forage Sorghum	M	Y	Y	70.7 a-d	85.7 a	0.73 a-d	0.73 a-e	0.45 a-e
GW-PS500	Gayland Ward	Forage Sorghum	PS	N	N	59.7 i-n	73.0 l-q	0.54 m-r	0.53 o-t	0.28 n-s
Si-Gro H-1	Golden Harvest	Forage Sorghum	ME	N	N	68.7 a-h	82.7 a-g	0.69 a-k	0.69 a-l	0.43 a-k
Si-Gro H-44	Golden Harvest	Forage Sorghum	ML	N	N	58.3 lmn	71.7 opq	0.54 l-r	0.53 p-t	0.27 p-s
MMR 381/73	MMR Genetics	Forage Sorghum	ML	N	N	67.3 a-i	80.0 a-l	0.67 a-l	0.67 a-n	0.40 a-m
NC+ BMR77F	NC+ Hybrids	Forage Sorghum	M	Y	N	69.7 a-g	83.7 a-e	0.71 a-h	0.71 a-i	0.44 a-h
NC+ Nutri-Choice II	NC+ Hybrids	Forage Sorghum	ML	N	N	59.3 i-n	73.0 l-q	0.56 k-r	0.54 m-t	0.29 m-s
NC+ Nutri-Ton II	NC+ Hybrids	Forage Sorghum	ML	N	N	63.7 c-m	77.0 d-p	0.61 c-r	0.61 c-t	0.34 c-r
979	Pioneer Hi-Bred Int.	Sorghum/Sudan	M	N	Y	62.3 e-n	76.3 f-q	0.59 g-r	0.58 g-t	0.32 g-s
811F	Pioneer Hi-Bred Int.	Forage Sorghum	ML	N	N	59.7 i-n	73.3 k-q	0.53 n-r	0.54 m-t	0.28 n-s
849F	Pioneer Hi-Bred Int.	Forage Sorghum	M	N	N	66.0 a-l	78.0 c-p	0.65 a-o	0.65 a-q	0.38 a-q
Red Top Plus	Production Plus	Forage Sorghum	ML	Y	N	72.7 ab	85.3 ab	0.76 a	0.76 ab	0.48 ab
Silo Buster	Production Plus	Forage Sorghum	ML	N	N	60.0 i-n	74.0 i-q	0.56 l-r	0.55 m-t	0.29 m-s
Bundle King BMR	Richardson Seeds	Forage Sorghum	L	Y	Y	66.7 a-k	80.7 a-j	0.65 a-p	0.66 a-p	0.39 a-p
Dairy Master BMR	Richardson Seeds	Forage Sorghum	ML	Y	N	69.7 a-g	83.0 a-f	0.70 a-j	0.70 a-i	0.43 a-i
Pacesetter BMR	Richardson Seeds	Forage Sorghum	PS	Y	N	64.7 b-m	78.3 b-o	0.59 f-r	0.61 c-s	0.35 c-r
Silo 700D	Richardson Seeds	Forage Sorghum	ML	N	N	64.7 b-m	78.0 c-p	0.64 a-p	0.63 a-s	0.37 a-r
Sweeter N Honey BMR	Richardson Seeds	Sorghum/Sudan	M	Y	N	68.7 a-h	81.3 a-h	0.69 a-k	0.69 a-l	0.42 a-l
X50701	Richardson Seeds	Forage Sorghum	ML	N	N	70.3 a-e	83.3 a-f	0.72 a-e	0.73 a-e	0.45 a-e

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Nutrient Composition & Calculations ²⁾				
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	TDN	% IVTD	NEL Mcal/lb	NEM Mcal/lb	NEG Mcal/lb
X50711	Richardson Seeds	Forage Sorghum	ML	N	N	71.0 a-d	83.7 a-e	0.72 a-f	0.72 a-e	0.45 a-e
X50714	Richardson Seeds	Forage Sorghum	ML	N	N	71.0 a-d	84.0 a-d	0.73 abc	0.74 a-d	0.46 a-d
RSC- HiLow	Roth Seed Co.	Forage Sorghum	M	N	N	57.3 mn	71.3 opq	0.52 o-r	0.51 rst	0.25 rs
RSC-Rocky Top BMR	Roth Seed Co.	Forage Sorghum	M	Y	N	70.0 a-f	84.0 a-d	0.70 a-j	0.71 a-h	0.44 a-h
Premium Stock LS	Scott Seed Co.	Sorghum/Sudan	PS	N	N	59.0 j-n	75.3 h-q	0.54 l-r	0.53 p-t	0.27 o-s
S. S. Silage	Scott Seed Co.	Forage Sorghum	ML	N	N	63.0 d-n	76.3 f-q	0.60 c-r	0.59 e-t	0.33 e-s
Canex BMR 208	Sharp Bros. Seed Co.	Forage Sorghum	ME	Y	N	70.7 a-d	84.0 a-d	0.71 a-g	0.72 a-f	0.45 a-f
Canex BMR x 402	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	71.0 a-d	84.3 abc	0.72 a-f	0.72 a-e	0.45 a-e
Canex BMR x 403	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	69.7 a-g	85.0 abc	0.71 a-h	0.71 a-h	0.44 a-g
1990	Sorghum Partners	Forage Sorghum	PS	N	N	58.0 lmn	72.0 n-q	0.51 qr	0.51 rst	0.25 rs
HIKANE II	Sorghum Partners	Forage Sorghum	E	N	N	69.7 a-g	82.7 a-g	0.70 a-i	0.70 a-i	0.43 a-i
NK300	Sorghum Partners	Forage Sorghum	ME	N	N	61.0 h-n	73.7 j-q	0.57 i-r	0.57 j-t	0.31 k-s
Sordan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	57.3 mn	72.3 m-q	0.52 pqr	0.50 st	0.25 rs
SS405	Sorghum Partners	Forage Sorghum	L	N	N	59.7 i-n	73.3 k-q	0.55 l-r	0.54 n-t	0.28 n-s
SS506	Sorghum Partners	Forage Sorghum	L	N	N	60.3 i-n	74.0 i-q	0.55 l-r	0.55 m-t	0.30 m-s
Trudan BMR	Sorghum Partners	Sorghum/Sudan	PS	Y	N	64.3 c-m	79.0 a-n	0.60 d-r	0.61 c-s	0.35 c-r
Trudan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	59.3 i-n	74.3 h-q	0.54 m-r	0.54 n-t	0.28 n-s
X912	Sorghum Partners	Forage Sorghum	M	N	N	58.7 k-n	71.0 pq	0.52 o-r	0.52 q-t	0.27 qrs
X913	Sorghum Partners	Forage Sorghum	M	N	N	55.3 n	69.3 q	0.49 r	0.48 t	0.22 s
X915	Sorghum Partners	Forage Sorghum	M	N	N	61.0 h-n	73.5 k-q	0.57 j-r	0.57 j-t	0.31 k-s
X916	Sorghum Partners	Forage Sorghum	M	N	N	62.3 e-n	75.7 g-q	0.57 j-r	0.59 f-t	0.33 f-s
Super Sile 30	Triumph Seed Co.	Forage Sorghum	ML	N	N	64.3 c-m	77.0 d-p	0.63 a-q	0.63 b-s	0.36 b-r
Super Sile BMR 42	Triumph Seed Co.	Forage Sorghum	ML	Y	N	61.0 h-n	75.7 g-q	0.56 l-r	0.56 l-t	0.30 l-s
38 Special BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	69.0 a-h	82.7 a-g	0.69 a-k	0.70 a-k	0.42 a-l
4 Ever Green	Walter Moss Seed, Co.	Forage Sorghum	PS	N	N	61.7 g-n	76.3 f-q	0.57 j-r	0.57 j-t	0.31 i-s
4 Ever Green BMR	Walter Moss Seed, Co.	Forage Sorghum	PS	Y	N	64.3 c-m	79.0 a-n	0.59 e-r	0.61 c-t	0.35 c-r
Century BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	67.3 a-i	80.3 a-k	0.67 a-m	0.67 a-o	0.40 a-n
F-17	Walter Moss Seed, Co.	Forage Sorghum	L	N	N	63.3 d-n	76.7 e-p	0.62 c-r	0.60 d-t	0.34 d-s
Mega Green	Walter Moss Seed, Co.	Sorghum/Sudan	PS	N	N	60.3 i-n	75.0 h-q	0.55 l-r	0.54 m-t	0.29 m-s
Millennium BMR	Walter Moss Seed, Co.	Forage Sorghum	L	Y	N	70.7 a-d	83.3 a-f	0.71 a-h	0.72 a-g	0.45 a-f
SU-2-LM	Walter Moss Seed, Co.	Sorghum/Sudan	L	N	N	61.7 g-n	75.3 h-q	0.59 g-r	0.57 i-t	0.32 h-s
LSD (P=.05)						4.50	3.87	0.07	0.07	0.07
Standard Deviation						2.78	2.39	0.04	0.05	0.04
CV						4.3	3.0	7.1	7.3	11.3
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

¹⁾ Variety information provided by seed companies. Male sterile entries were cross pollinated by other varieties.

²⁾ Means followed by the same letter do not significantly differ at (P=0.05).

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Nutrient Composition & Calculations ²⁾				
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	% Ca	% P	% Mg	% K	% S
23419	Advanta US	Forage Sorghum	M	Y	N	0.24 abc	0.20 a-d	0.22 ab	1.22 a-d	0.12 b-i
26837	Advanta US	Forage Sorghum	ML	Y	N	0.33 abc	0.21 a-d	0.20 ab	1.47 a-d	0.14 a-h
Sweet Choice BMR	ARB	Forage Sorghum	M	Y	Y	0.22 abc	0.18 a-d	0.23 ab	1.16 a-d	0.12 b-i
Sweet King BMR	ARB	Sorghum/Sudan	ME	Y		0.29 abc	0.21 a-d	0.19 ab	1.44 a-d	0.15 a-d
Hawk BMR	Blue River Hybrids	Sorghum/Sudan	M	Y	N	0.21 abc	0.23 a-d	0.21 ab	1.48 a-d	0.11 b-i
Exp 6810x	Coffey Forage Seeds	Forage Sorghum	ML	Y	Y	0.34 abc	0.23 a-d	0.15 ab	1.37 a-d	0.11 b-i
GW3072F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	0.28 abc	0.20 a-d	0.23 ab	1.47 a-d	0.16 abc
GW7191Gbm	Crosbyton Seed Co.	Sorghum/Sudan	M	Y	Y	0.27 abc	0.24 abc	0.19 ab	1.43 a-d	0.11 b-i
GW8528Fbm	Crosbyton Seed Co.	Forage Sorghum	M	Y	N	0.16 bc	0.23 a-d	0.25 ab	1.18 a-d	0.10 b-i
GWX3023Fbm	Crosbyton Seed Co.	Forage Sorghum	ML	Y	N	0.21 abc	0.17 cd	0.20 ab	1.35 a-d	0.14 a-h
GWX3172F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	0.33 abc	0.22 a-d	0.22 ab	1.53 abc	0.12 b-i
FS120199	Drussel Seed & Supply	Forage Sorghum	M	Y	N	0.22 abc	0.19 a-d	0.21 ab	1.40 a-d	0.12 b-i
EX HP08DW	E. Colorado Seeds	Forage Sorghum	M	Y	N	0.26 abc	0.22 a-d	0.22 ab	1.56 ab	0.13 a-h
HP 1010BMR	E. Colorado Seeds	Forage Sorghum	ML	Y	Y	0.31 abc	0.20 a-d	0.22 ab	1.22 a-d	0.13 a-h
HP 95BMR	E. Colorado Seeds	Forage Sorghum	M	Y	N	0.23 abc	0.23 a-d	0.14 ab	1.47 a-d	0.10 b-i
Silmaker 6500	Frontier Hybrids	Forage Sorghum	M	N	N	0.27 abc	0.18 a-d	0.17 ab	1.36 a-d	0.12 a-i
Silmaker 7000	Frontier Hybrids	Forage Sorghum	M	N	N	0.22 abc	0.19 a-d	0.19 ab	1.08 cd	0.08 hi
311	Garst Seed Co.	Forage Sorghum	ME	N	N	0.32 abc	0.21 a-d	0.14 b	1.22 a-d	0.10 c-i
318	Garst Seed Co.	Forage Sorghum	ML	N	N	0.35 ab	0.21 a-d	0.14 ab	1.34 a-d	0.12 a-i
GW-400BMR	Gayland Ward	Forage Sorghum	M	Y	Y	0.22 abc	0.20 a-d	0.20 ab	1.34 a-d	0.14 a-g
GW-PS500	Gayland Ward	Forage Sorghum	PS	N	N	0.30 abc	0.17 bcd	0.14 b	1.38 a-d	0.08 hi
Si-Gro H-1	Golden Harvest	Forage Sorghum	ME	N	N	0.29 abc	0.20 a-d	0.17 ab	1.20 a-d	0.10 b-i
Si-Gro H-44	Golden Harvest	Forage Sorghum	ML	N	N	0.26 abc	0.21 a-d	0.22 ab	1.43 a-d	0.15 a-e
MMR 381/73	MMR Genetics	Forage Sorghum	ML	N	N	0.24 abc	0.23 a-d	0.17 ab	1.42 a-d	0.12 b-i
NC+ BMR77F	NC+ Hybrids	Forage Sorghum	M	Y	N	0.25 abc	0.22 a-d	0.17 ab	1.33 a-d	0.11 b-i
NC+ Nutri-Choice II	NC+ Hybrids	Forage Sorghum	ML	N	N	0.28 abc	0.21 a-d	0.21 ab	1.35 a-d	0.16 ab
NC+ Nutri-Ton II	NC+ Hybrids	Forage Sorghum	ML	N	N	0.27 abc	0.21 a-d	0.19 ab	1.21 a-d	0.10 c-i
979	Pioneer Hi-Bred Int.	Sorghum/Sudan	M	N	Y	0.26 abc	0.20 a-d	0.14 ab	1.38 a-d	0.10 b-i
811F	Pioneer Hi-Bred Int.	Forage Sorghum	ML	N	N	0.23 abc	0.18 a-d	0.21 ab	1.46 a-d	0.14 a-g
849F	Pioneer Hi-Bred Int.	Forage Sorghum	M	N	N	0.29 abc	0.25 ab	0.24 ab	1.43 a-d	0.11 b-i
Red Top Plus	Production Plus	Forage Sorghum	ML	Y	N	0.15 c	0.23 a-d	0.19 ab	1.23 a-d	0.10 c-i
Silo Buster	Production Plus	Forage Sorghum	ML	N	N	0.30 abc	0.18 a-d	0.15 ab	1.25 a-d	0.09 d-i
Bundle King BMR	Richardson Seeds	Forage Sorghum	L	Y	Y	0.24 abc	0.18 a-d	0.23 ab	1.32 a-d	0.08 ghi
Dairy Master BMR	Richardson Seeds	Forage Sorghum	ML	Y	N	0.21 abc	0.21 a-d	0.19 ab	1.21 a-d	0.09 f-i
Pacesetter BMR	Richardson Seeds	Forage Sorghum	PS	Y	N	0.28 abc	0.20 a-d	0.22 ab	1.62 a	0.11 b-i
Silo 700D	Richardson Seeds	Forage Sorghum	ML	N	N	0.26 abc	0.22 a-d	0.24 ab	1.48 a-d	0.14 a-h
Sweeter N Honey BMR	Richardson Seeds	Sorghum/Sudan	M	Y	N	0.23 abc	0.25 a	0.26 ab	1.46 a-d	0.12 b-i
X50701	Richardson Seeds	Forage Sorghum	ML	N	N	0.28 abc	0.24 abc	0.24 ab	1.43 a-d	0.13 a-h

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Nutrient Composition & Calculations ²⁾				
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	% Ca	% P	% Mg	% K	% S
X50711	Richardson Seeds	Forage Sorghum	ML	N	N	0.30 abc	0.21 a-d	0.22 ab	1.38 a-d	0.11 b-i
X50714	Richardson Seeds	Forage Sorghum	ML	N	N	0.25 abc	0.22 a-d	0.22 ab	1.39 a-d	0.13 a-h
RSC- HiLow	Roth Seed Co.	Forage Sorghum	M	N	N	0.32 abc	0.19 a-d	0.18 ab	1.26 a-d	0.12 a-i
RSC-Rocky Top BMR	Roth Seed Co.	Forage Sorghum	M	Y	N	0.24 abc	0.22 a-d	0.17 ab	1.43 a-d	0.12 b-i
Premium Stock LS	Scott Seed Co.	Sorghum/Sudan	PS	N	N	0.23 abc	0.17 cd	0.15 ab	1.14 bcd	0.10 c-i
S. S. Silage	Scott Seed Co.	Forage Sorghum	ML	N	N	0.23 abc	0.18 a-d	0.14 ab	1.15 a-d	0.08 ghi
Canex BMR 208	Sharp Bros. Seed Co.	Forage Sorghum	ME	Y	N	0.23 abc	0.21 a-d	0.16 ab	1.38 a-d	0.12 b-i
Canex BMR x 402	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	0.23 abc	0.21 a-d	0.24 ab	1.20 a-d	0.10 d-i
Canex BMR x 403	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	0.35 ab	0.23 a-d	0.19 ab	1.35 a-d	0.10 b-i
1990	Sorghum Partners	Forage Sorghum	PS	N	N	0.23 abc	0.17 bcd	0.18 ab	1.29 a-d	0.11 b-i
HIKANE II	Sorghum Partners	Forage Sorghum	E	N	N	0.32 abc	0.22 a-d	0.17 ab	1.24 a-d	0.09 d-i
NK300	Sorghum Partners	Forage Sorghum	ME	N	N	0.27 abc	0.20 a-d	0.22 ab	1.39 a-d	0.15 a-f
Sordan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	0.26 abc	0.18 a-d	0.14 b	1.41 a-d	0.09 e-i
SS405	Sorghum Partners	Forage Sorghum	L	N	N	0.16 bc	0.18 a-d	0.17 ab	1.20 a-d	0.06 i
SS506	Sorghum Partners	Forage Sorghum	L	N	N	0.26 abc	0.16 cd	0.18 ab	1.20 a-d	0.08 hi
Trudan BMR	Sorghum Partners	Sorghum/Sudan	PS	Y	N	0.30 abc	0.21 a-d	0.28 a	1.59 ab	0.18 a
Trudan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	0.22 abc	0.18 a-d	0.17 ab	1.20 a-d	0.10 c-i
X912	Sorghum Partners	Forage Sorghum	M	N	N	0.26 abc	0.19 a-d	0.18 ab	1.24 a-d	0.10 b-i
X913	Sorghum Partners	Forage Sorghum	M	N	N	0.32 abc	0.16 d	0.12 b	1.04 d	0.10 b-i
X915	Sorghum Partners	Forage Sorghum	M	N	N	0.23 abc	0.19 a-d	0.16 ab	1.18 a-d	0.09 ghi
X916	Sorghum Partners	Forage Sorghum	M	N	N	0.29 abc	0.20 a-d	0.18 ab	1.17 a-d	0.12 a-i
Super Sile 30	Triumph Seed Co.	Forage Sorghum	ML	N	N	0.18 abc	0.22 a-d	0.22 ab	1.28 a-d	0.12 a-i
Super Sile BMR 42	Triumph Seed Co.	Forage Sorghum	ML	Y	N	0.25 abc	0.16 cd	0.14 b	1.31 a-d	0.11 b-i
38 Special BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	0.22 abc	0.21 a-d	0.22 ab	1.33 a-d	0.11 b-i
4 Ever Green	Walter Moss Seed, Co.	Forage Sorghum	PS	N	N	0.37 a	0.18 a-d	0.17 ab	1.57 ab	0.11 b-i
4 Ever Green BMR	Walter Moss Seed, Co.	Forage Sorghum	PS	Y	N	0.33 abc	0.18 a-d	0.21 ab	1.58 ab	0.13 a-h
Century BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	0.26 abc	0.22 a-d	0.26 ab	1.33 a-d	0.11 b-i
F-17	Walter Moss Seed, Co.	Forage Sorghum	L	N	N	0.33 abc	0.21 a-d	0.23 ab	1.28 a-d	0.11 b-i
Mega Green	Walter Moss Seed, Co.	Sorghum/Sudan	PS	N	N	0.25 abc	0.18 a-d	0.19 ab	1.13 bcd	0.11 b-i
Millennium BMR	Walter Moss Seed, Co.	Forage Sorghum	L	Y	N	0.24 abc	0.21 a-d	0.17 ab	1.42 a-d	0.09 d-i
SU-2-LM	Walter Moss Seed, Co.	Sorghum/Sudan	L	N	N	0.27 abc	0.17 bcd	0.19 ab	1.07 cd	0.08 hi
LSD (P=.05)						0.11	0.04	0.07	0.26	0.03
Standard Deviation						0.07	0.03	0.05	0.16	0.02
CV						25.0	12.8	24.0	12.2	18.1
Treatment Prob(F)						0.0267	0.0001	0.0050	0.0002	0.0001

¹⁾ Variety information provided by seed companies. Male sterile entries were cross pollinated by other varieties.

²⁾ Means followed by the same letter do not significantly differ at (P=0.05).

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Nutrient Composition & Calculations ²⁾		
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	Milk Crops Tons/A	Relative Feed Quality	Relative Feed Value
23419	Advanta US	Forage Sorghum	M	Y	N	2,930 a-l	151 b-m	131 a-m
26837	Advanta US	Forage Sorghum	ML	Y	N	2,705 a-q	132 c-p	113 c-q
Sweet Choice BMR	ARB	Forage Sorghum	M	Y	Y	2,975 a-j	159 a-j	140 a-f
Sweet King BMR	ARB	Sorghum/Sudan	ME	Y		2,696 a-q	137 c-p	125 b-q
Hawk BMR	Blue River Hybrids	Sorghum/Sudan	M	Y	N	2,831 a-n	137 c-p	125 b-q
Exp 6810x	Coffey Forage Seeds	Forage Sorghum	ML	Y	Y	3,174 ab	158 a-k	152 ab
GW3072F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	2,442 h-r	117 f-p	109 c-q
GW7191Gbm	Crosbyton Seed Co.	Sorghum/Sudan	M	Y	Y	2,593 b-r	127 c-p	115 b-q
GW8528Fbm	Crosbyton Seed Co.	Forage Sorghum	M	Y	N	3,130 a-d	168 a-f	148 abc
GWX3023Fbm	Crosbyton Seed Co.	Forage Sorghum	ML	Y	N	2,506 f-r	117 f-p	111 c-q
GWX3172F	Crosbyton Seed Co.	Forage Sorghum	ML	N	N	2,605 b-r	121 d-p	116 b-q
FS120199	Drussel Seed & Supply	Forage Sorghum	M	Y	N	2,978 a-j	162 a-h	135 a-j
EX HP08DW	E. Colorado Seeds	Forage Sorghum	M	Y	N	2,740 a-p	131 c-p	120 b-q
HP 1010BMR	E. Colorado Seeds	Forage Sorghum	ML	Y	Y	2,707 a-q	135 c-p	120 b-q
HP 95BMR	E. Colorado Seeds	Forage Sorghum	M	Y	N	2,963 a-j	151 b-m	131 a-m
Silmaker 6500	Frontier Hybrids	Forage Sorghum	M	N	N	2,394 j-r	110 g-p	102 f-q
Silmaker 7000	Frontier Hybrids	Forage Sorghum	M	N	N	2,646 b-r	121 d-p	115 b-q
311	Garst Seed Co.	Forage Sorghum	ME	N	N	3,070 a-g	175 a-d	140 a-f
318	Garst Seed Co.	Forage Sorghum	ML	N	N	2,622 b-r	129 c-p	121 b-q
GW-400BMR	Gayland Ward	Forage Sorghum	M	Y	Y	3,153 abc	195 ab	147 a-d
GW-PS500	Gayland Ward	Forage Sorghum	PS	N	N	2,280 n-r	97 m-p	95 l-q
Si-Gro H-1	Golden Harvest	Forage Sorghum	ME	N	N	2,921 a-l	150 b-n	134 a-k
Si-Gro H-44	Golden Harvest	Forage Sorghum	ML	N	N	2,297 n-r	104 k-p	108 d-q
MMR 381/73	MMR Genetics	Forage Sorghum	ML	N	N	2,819 a-n	140 b-o	130 a-n
NC+ BMR77F	NC+ Hybrids	Forage Sorghum	M	Y	N	2,965 a-j	144 b-o	140 a-g
NC+ Nutri-Choice II	NC+ Hybrids	Forage Sorghum	ML	N	N	2,359 k-r	111 g-p	108 d-q
NC+ Nutri-Ton II	NC+ Hybrids	Forage Sorghum	ML	N	N	2,566 c-r	114 f-p	112 c-q
979	Pioneer Hi-Bred Int.	Sorghum/Sudan	M	N	Y	2,443 h-r	117 f-p	103 f-q
811F	Pioneer Hi-Bred Int.	Forage Sorghum	ML	N	N	2,247 n-r	106 i-p	89 opq
849F	Pioneer Hi-Bred Int.	Forage Sorghum	M	N	N	2,728 a-q	138 c-o	124 b-q
Red Top Plus	Production Plus	Forage Sorghum	ML	Y	N	3,275 a	209 a	168 a
Silo Buster	Production Plus	Forage Sorghum	ML	N	N	2,336 l-r	102 m-p	101 g-q
Bundle King BMR	Richardson Seeds	Forage Sorghum	L	Y	Y	2,772 a-p	120 e-p	118 b-q
Dairy Master BMR	Richardson Seeds	Forage Sorghum	ML	Y	N	2,938 a-k	139 c-o	128 b-o
Pacesetter BMR	Richardson Seeds	Forage Sorghum	PS	Y	N	2,532 e-r	112 g-p	95 k-q
Silo 700D	Richardson Seeds	Forage Sorghum	ML	N	N	2,701 a-q	129 c-p	130 a-n
Sweeter N Honey BMR	Richardson Seeds	Sorghum/Sudan	M	Y	N	2,935 a-k	163 a-g	138 a-h
X50701	Richardson Seeds	Forage Sorghum	ML	N	N	3,033 a-h	160 a-i	147 a-d

Table 2. 2008 Comparison of sorghum hybrids for agronomic characteristics, yield and nutrient composition.

Variety Information ¹⁾						Nutrient Composition & Calculations ²⁾		
Hybrid	Company	Sorghum Type	Maturity	BMR	Male Sterile	Milk Crops Tons/A	Relative Feed Quality	Relative Feed Value
X50711	Richardson Seeds	Forage Sorghum	ML	N	N	3,074 a-f	177 abc	140 a-f
X50714	Richardson Seeds	Forage Sorghum	ML	N	N	3,117 a-e	180 abc	153 ab
RSC- HiLow	Roth Seed Co.	Forage Sorghum	M	N	N	2,199 pqr	97 m-p	95 k-q
RSC-Rocky Top BMR	Roth Seed Co.	Forage Sorghum	M	Y	N	2,964 a-j	151 b-m	127 b-p
Premium Stock LS	Scott Seed Co.	Sorghum/Sudan	PS	N	N	2,220 o-r	94 op	96 j-q
S. S. Silage	Scott Seed Co.	Forage Sorghum	ML	N	N	2,558 d-r	112 g-p	116 b-q
Canex BMR 208	Sharp Bros. Seed Co.	Forage Sorghum	ME	Y	N	3,019 a-i	161 a-h	138 a-h
Canex BMR x 402	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	3,099 a-f	174 a-e	143 a-e
Canex BMR x 403	Sharp Bros. Seed Co.	Forage Sorghum	M	Y	Y	2,950 a-k	162 a-h	136 a-i
1990	Sorghum Partners	Forage Sorghum	PS	N	N	2,138 qr	96 nop	87 q
HIKANE II	Sorghum Partners	Forage Sorghum	E	N	N	2,968 a-j	157 b-l	140 a-f
NK300	Sorghum Partners	Forage Sorghum	ME	N	N	2,419 j-r	116 f-p	105 e-q
Sordan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	2,145 qr	93 op	92 m-q
SS405	Sorghum Partners	Forage Sorghum	L	N	N	2,325 m-r	102 l-p	96 j-q
SS506	Sorghum Partners	Forage Sorghum	L	N	N	2,314 n-r	105 j-p	98 i-q
Trudan BMR	Sorghum Partners	Sorghum/Sudan	PS	Y	N	2,479 g-r	127 c-p	97 i-q
Trudan Headless	Sorghum Partners	Sorghum/Sudan	PS	N	N	2,268 n-r	103 l-p	95 k-q
X912	Sorghum Partners	Forage Sorghum	M	N	N	2,247 n-r	96 nop	92 n-q
X913	Sorghum Partners	Forage Sorghum	M	N	N	2,075 r	83 p	89 pq
X915	Sorghum Partners	Forage Sorghum	M	N	N	2,434 i-r	108 h-p	103 f-q
X916	Sorghum Partners	Forage Sorghum	M	N	N	2,458 h-r	109 g-p	104 f-q
Super Sile 30	Triumph Seed Co.	Forage Sorghum	ML	N	N	2,679 b-q	136 c-p	122 b-q
Super Sile BMR 42	Triumph Seed Co.	Forage Sorghum	ML	Y	N	2,365 k-r	104 k-p	97 i-q
38 Special BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	2,918 a-m	142 b-o	133 a-l
4 Ever Green	Walter Moss Seed, Co.	Forage Sorghum	PS	N	N	2,388 j-r	104 k-p	100 h-q
4 Ever Green BMR	Walter Moss Seed, Co.	Forage Sorghum	PS	Y	N	2,524 e-r	115 f-p	95 l-q
Century BMR	Walter Moss Seed, Co.	Sorghum/Sudan	L	Y	N	2,800 a-o	138 c-o	128 b-o
F-17	Walter Moss Seed, Co.	Forage Sorghum	L	N	N	2,603 b-r	117 f-p	120 b-q
Mega Green	Walter Moss Seed, Co.	Sorghum/Sudan	PS	N	N	2,307 n-r	103 l-p	96 j-q
Millennium BMR	Walter Moss Seed, Co.	Forage Sorghum	L	Y	N	2,978 a-j	147 b-o	131 a-m
SU-2-LM	Walter Moss Seed, Co.	Sorghum/Sudan	L	N	N	2,468 h-r	113 f-p	107 e-q
LSD (P=.05)						324	30	21.45
Standard Deviation						201	18	13.27
CV						7.5	14.2	11.2
Treatment Prob(F)						0.0001	0.0001	0.0001

¹⁾ Variety information provided by seed companies. Male sterile entries were cross pollinated by other varieties.

²⁾ Means followed by the same letter do not significantly differ at (P=0.05).