

# SORGHUM FOR SILAGE

## Statewide Yield Summary: Sorghum Silage Performance, Georgia, 2019

Company or Brand Name	Hybrid or Variety Name	Tifton		Athens		Statewide	
		Primary	2-Yr Avg	Primary	2-Yr Avg	Primary	2-Yr Avg
----- dry tons/acre -----							
Advanta Seeds	ADV XF025	3.71	.	3.99	.	3.85	.
Alta Seeds	ADV F7232	3.85	.	4.59	.	4.22	.
Alta Seeds	ADV F8322	4.89	5.33	<b>5.61</b>	<b>6.53</b>	<b>5.25</b>	<b>5.93</b>
Alta Seeds	ADV S6504	3.97	.	4.51	.	4.24	.
Alta Seeds	AF7201	4.09	.	4.20	.	4.14	.
Alta Seeds	AF7401	4.12	4.31	4.93	5.45	4.52	4.88
Alta Seeds	AF8301	4.70	4.87	4.84	5.62	4.77	5.22
Dyna-Gro	Dual Forage SCA	4.44	.	.	.	.	.
Dyna-Gro	F73FS10	<b>5.67</b>	.	.	.	.	.
Dyna-Gro	F74FS72 BMR	4.07	.	.	.	.	.
Dyna-Gro	F75FS13	3.85	.	.	.	.	.
Dyna-Gro	Fullgraze II	4.31	.	.	.	.	.
Dyna-Gro	F72FS05	4.80	.	.	.	.	.
Dyna-Gro	FX19178 BMR	2.71	.	.	.	.	.
Dyna-Gro	GX13692	5.06	.	.	.	.	.
Dyna-Gro	Super Sile 20	4.48	.	<b>5.26</b>	.	4.87	.
Dyna-Gro	Super Sile 30	4.34	.	.	.	.	.
Dyna-Gro	TopTon	4.44	<b>5.43</b>	.	.	.	.
Gayland Ward	18096	4.57	.	.	.	.	.
Gayland Ward	18116	4.27	.	.	.	.	.
Gayland Ward	18118	2.96	.	.	.	.	.
Gayland Ward	18119	3.95	.	.	.	.	.
Gayland Ward	18122	3.89	.	.	.	.	.
Gayland Ward	18351	4.66	.	.	.	.	.
Gayland Ward	19038	3.92	.	.	.	.	.
Gayland Ward	19040	3.33	.	.	.	.	.
Gayland Ward	19042	3.66	.	.	.	.	.
Gayland Ward	19155	3.91	.	.	.	.	.
Gayland Ward	19174	4.06	.	.	.	.	.
Gayland Ward	19175	4.52	.	.	.	.	.
Gayland Ward	19176	3.91	.	.	.	.	.
Gayland Ward	19177	4.37	.	.	.	.	.
Gayland Ward	19178	3.83	.	.	.	.	.
Gayland Ward	19179	4.67	.	.	.	.	.
Gayland Ward	Silo Pro BMR	3.14	.	.	.	.	.
MOJO SEED	OPAL	5.13	.	4.66	.	4.89	.
Sorghum Partners	NK300	4.42	4.75	3.90	.	4.16	.
Sorghum Partners	SP2774	4.45	.	4.80	.	4.63	.
Sorghum Partners	SP3904 BD	4.35	.	4.76	.	4.56	.
Sorghum Partners	SS304	<b>5.36</b>	<b>5.79</b>	<b>5.83</b>	.	<b>5.59</b>	.
Trial Average		4.22	5.08	4.77	5.88	4.60	5.34
LSD at 10% Level		0.52	0.45	0.60	0.61	0.39	0.36
Std. Err. of Entry Mean		0.22	0.19	0.25	0.24	0.16	0.15
Model R-squared		0.72	0.64	0.65	0.68	0.64	0.76

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

## Tifton, Georgia: Sorghum Silage Performance, 2019, Dryland

Company or Brand Name	Hybrid or Variety Name	Primary Harvest			Growth Stage	Plant		Ratoon Harvest	Season Total	2-Yr Avg
		Dry ---- tons/acre ----	Green ---- % ----	Moisture %		Height in	Lodging %			
Dyna-Gro	F73FS10	<b>5.67</b>	<b>16.2</b>	76	soft dough	96	1	<b>3.79</b>	<b>9.45</b>	.
Sorghum Partners	SS304	<b>5.36</b>	<b>15.3</b>	82	flower	98	0	<b>4.46</b>	<b>9.82</b>	<b>5.79</b>
MOJO SEED	OPAL	5.13	14.7	81	flower	75	0	3.00	8.12	.
Dyna-Gro	GX13692	5.06	14.5	78	soft dough	66	0	1.52	6.58	.
Alta Seeds	ADV F8322	4.89	14.0	80	flower	66	0	<b>4.03</b>	<b>8.92</b>	5.33
Dyna-Gro	F72FS05	4.80	13.7	79	flower	64	0	3.57	8.37	.
Alta Seeds	AF8301	4.70	13.4	79	flower	68	1	3.33	8.02	4.87
Gayland Ward	19179	4.67	13.4	79	vegetative	65	0	3.28	7.95	.
Gayland Ward	18351	4.66	13.3	79	soft dough	65	0	2.26	6.92	.
Gayland Ward	18096	4.57	13.0	79	soft dough	60	0	2.19	6.75	.
Gayland Ward	19175	4.52	12.9	77	flower	90	1	2.20	6.71	.
Dyna-Gro	Super Sile 20	4.48	12.8	83	flower	95	1	2.21	6.69	.
Sorghum Partners	SP2774	4.45	12.7	79	soft dough	95	0	2.41	6.86	.
Dyna-Gro	Dual Forage SCA	4.44	12.7	75	soft dough	56	0	0.34	4.77	.
Dyna-Gro	TopTon	4.44	12.7	83	vegetative	87	3	<b>3.81</b>	8.25	<b>5.43</b>
Sorghum Partners	NK300	4.42	12.6	80	flower	68	0	2.45	6.87	4.75
Gayland Ward	19177	4.37	12.5	77	flower	88	3	1.70	6.07	.
Sorghum Partners	SP3904 BD	4.35	12.4	83	vegetative	55	0	3.60	7.95	.
Dyna-Gro	Super Sile 30	4.34	12.4	82	flower	100	0	1.78	6.12	.
Dyna-Gro	Fullgraze II	4.31	12.3	78	flower	109	0	3.35	7.67	.
Gayland Ward	18116	4.27	12.2	78	soft dough	93	11	2.37	6.65	.
Alta Seeds	AF7401	4.12	11.8	82	vegetative	58	0	2.87	6.99	4.31
Alta Seeds	AF7201	4.09	11.7	73	soft dough	82	1	0.95	5.03	.
Dyna-Gro	F74FS72 BMR	4.07	11.6	80	vegetative	53	0	2.14	6.21	.
Gayland Ward	19174	4.06	11.6	80	flower	85	1	2.43	6.49	.
Alta Seeds	ADV S6504	3.97	11.4	85	vegetative	94	0	1.69	5.66	.
Gayland Ward	18119	3.95	11.3	75	soft dough	82	0	0.78	4.73	.
Gayland Ward	19038	3.92	11.2	82	vegetative	58	0	1.58	5.50	.
Gayland Ward	19155	3.91	11.2	80	soft dough	83	21	0.84	4.75	.
Gayland Ward	19176	3.91	11.2	75	flower	96	0	1.32	5.23	.
Gayland Ward	18122	3.89	11.1	80	flower	75	0	1.34	5.23	.
Alta Seeds	ADV F7232	3.85	11.0	83	vegetative	54	0	2.18	6.03	.
Dyna-Gro	F75FS13	3.85	11.0	79	soft dough	89	4	0.68	4.52	.
Gayland Ward	19178	3.83	10.9	78	flower	90	0	2.33	6.16	.
Advanta Seeds	ADV XF025	3.71	10.6	74	soft dough	88	4	0.96	4.67	.
Gayland Ward	19042	3.66	10.5	84	vegetative	69	0	1.15	4.81	.
Gayland Ward	19040	3.33	9.5	81	flower	55	0	0.69	4.02	.
Gayland Ward	Silo Pro BMR	3.14	9.0	84	flower	61	0	0.70	3.84	.
Gayland Ward	18118	2.96	8.5	78	soft dough	86	0	0.78	3.74	.
Dyna-Gro	FX19178 BMR	2.71	7.7	81	flower	47	0	1.49	4.19	.
Vegetative average		4.12	11.8	82	-	66	0	2.48	6.59	-
Flowering average		4.23	12.1	80	-	79	0	2.35	6.59	-
Soft dough average		4.28	12.2	77	-	80	3	1.53	5.80	-
Trial Average		4.22 <sup>1</sup>	12.1	79	-	76	1	2.11	6.33	5.08
LSD at 10% Level		0.52	1.5	1	-	6	-	0.72	1.03	0.45
Std. Err. of Entry Mean		0.22	0.6	-	-	3	2	0.31	0.44	0.19
Model R-squared		0.72	0.72	0.95	-	0.93	0.50	0.81	0.81	0.64

1. CV = 10.5% and df for EMS = 117.

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: April 17, 2019.

Harvested: July 12, 2019, with 2,357 Growing Degree Units since planting.  
September 12, 2019, with 1,917 GDUs since prior cutting.

**Tifton, Georgia:**  
**Sorghum Silage Performance (Continued), 2019, Dryland**

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Seeding Rate: 80,000 seeds per acre in 36-inch rows.  
Soil Type: Tifton loamy sand.  
Soil Test: P = Medium, K = Low, and pH = 6.3.  
Fertilization: Preplant: 40 lb N, 30 lb P<sub>2</sub>O<sub>5</sub>, and 100 lb K<sub>2</sub>O/acre. Sidedress: 100 lb N/acre.  
Previous Crop: Fallow.  
Management: Conventional tillage. Atrazine and Dual Magnum used for weed control. Telone II used for nematode control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

## Athens, Georgia: Sorghum Silage Performance, 2019, Dryland

Company or Brand Name	Hybrid or Variety Name	Primary Harvest			50% Bloom days	Plant Height in	Lodging %	2-Yr. Avg Dry Yield tons/acre
		Dry ----- tons/acre -----	Green	Moisture %				
Sorghum Partners	SS304	<b>5.83</b>	<b>16.7</b>	78	07-12	102	0	.
Alta Seeds	ADV F8322	<b>5.61</b>	<b>16.0</b>	70	07-06	75	0	<b>6.53</b>
Dyna-Gro	Super Sile 20	<b>5.26</b>	<b>15.0</b>	76	07-10	105	8	.
Alta Seeds	AF7401	4.93	14.1	76	07-13	71	0	5.45
Alta Seeds	AF8301	4.84	13.9	67	07-01	76	70	5.62
Sorghum Partners	SP2774	4.80	13.7	75	07-03	105	11	.
Sorghum Partners	SP3904 BD	4.76	13.6	76	07-13	67	0	.
MOJO SEED	OPAL	4.66	13.3	76	07-12	81	0	.
Alta Seeds	ADV F7232	4.59	13.1	75	07-11	68	0	.
Alta Seeds	ADV S6504	4.51	12.9	80	PPS	103	0	.
Alta Seeds	AF7201	4.20	12.0	68	06-27	98	16	.
Advanta Seeds	ADV XF025	3.99	11.4	64	06-27	99	25	.
Sorghum Partners	NK300	3.90	11.2	71	07-02	70	27	.
Average		4.77 <sup>1</sup>	13.6	73	07-07	86	12	5.88
LSD at 10% Level		0.60	1.7	2	2	5	-	0.61
Std. Err. of Entry Mean		0.25	0.7	1	1	2	8	0.24
Model R-squared		0.65	0.65	0.90	0.94	0.96	0.68	0.68

1. CV = 10.4% and df for EMS = 35.

**Bolded** yields are statistically non-significant ( $p = 0.10$  level) from the highest yielding test entry.

Planted: April 16, 2019.

Harvested: July 23, 2019, with 2,359 Growing Degree Units since planting.

Seeding Rate: 80,000 seeds per acre in 30-inch rows.

Soil Type: Wickham sandy loam.

Soil Test: P = Very High, K = High, and pH = 6.4.

Fertilization: Preplant: 30 lb N, 78 lb P<sub>2</sub>O<sub>5</sub>, and 78 lb K<sub>2</sub>O/acre. Sidedress: 130 lb N/acre.

Previous Crop: Soybean.

Management: Strip-tilled. Atrazine and Dual Magnum used for weed control. Lorsban and Sivanto used for insect control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

# SUMMER ANNUAL FORAGES

## Statewide Yield Summary: Summer Annual Forages, Georgia, 2019

Company or Brand Name	Hybrid or Variety Name	Tifton	Athens	Statewide	
		Total	Total	2019	2-Yr Avg
----- dry pounds/acre -----					
<b><u>Sorghum, Sudangrass and Hybrids</u></b>					
Advanta Seeds	ADV XS007	13,183	8,625	10,904	.
Advanta Seeds	ADV XS008	11,871	9,180	10,525	.
Advanta Seeds	ADV XS8007	14,049	10,819	12,434	.
Alta Seeds	AS6401	14,502	9,953	12,228	.
Alta Seeds	AS6402	13,337	9,135	11,236	.
Coffey Forage	Exp. 3618 BMR	14,561	10,765	12,663	.
Coffey Forage	Exp. 3619 BMR	14,751	9,091	11,921	.
Coffey Forage	Exp. 5618 BMR	15,146	9,069	12,107	.
Coffey Forage	Exp. 5619 BMR	13,613	8,912	11,262	.
Coffey Forage	Surpass BMR	12,459	9,462	10,960	10,807
Coffey Forage	Xtragraze BMR	13,970	11,079	12,525	12,048
Desert Sun	Elite BMR	14,301	5,051	9,676	.
Desert Sun	Latte	13,903	11,117	12,510	<b>13,637</b>
Desert Sun	Latte BMR	<b>16,554</b>	<b>13,252</b>	<b>14,903</b>	.
Dyna-Gro	Danny Boy II BMR	15,403	.	.	.
Dyna-Gro	F75FS13	13,085	.	.	.
Dyna-Gro	Fullgraze II	<b>16,702</b>	.	.	.
Dyna-Gro	Fullgraze II BMR	12,411	.	.	.
Dyna-Gro	Super Sweet 10	13,173	.	.	.
Gayland Ward	18552	<b>17,773</b>	<b>12,079</b>	<b>14,926</b>	.
Gayland Ward	19153	<b>16,789</b>	<b>12,282</b>	<b>14,536</b>	.
Gayland Ward	19154	<b>17,438</b>	<b>11,545</b>	<b>14,491</b>	.
Gayland Ward	Super Sugar Delayed Maturity	15,399	<b>13,442</b>	<b>14,421</b>	.
Gayland Ward	Sweet Forever BMR	13,599	10,018	11,808	.
Gayland Ward	Sweet Forever PPS	13,086	9,913	11,499	.
Gayland Ward	Sweet Six BMR Dry Stalk	13,799	<b>11,714</b>	12,756	.
Sorghum Partners	Sordan 79	14,741	<b>12,490</b>	<b>13,615</b>	.
Sorghum Partners	SP4105	10,541	7,573	9,057	.
Sorghum Partners	SP4555	13,391	9,712	11,552	.
Sorghum Partners	SP7106 BMR	12,493	8,229	10,361	.
Average		14,202	10,206	12,195	12,164
LSD at 10% Level		1,533	2,278	1510	1151
Std. Err. of Entry Mean		608	960	624	478
Model R-squared		0.73	0.57	0.70	0.63
<b><u>Pearl Millet</u></b>					
		<u>Tifton</u>	<u>Griffin</u>		
Coffey Forage	Epic BMR	<b>13,233</b>	<b>8,366</b>	<b>10,799</b>	11,644
Coffey Forage	ExCeed II BMR	11,291	7,274	9,282	10,250
Coffey Forage	Leafy TR7	<b>14,354</b>	<b>8,066</b>	<b>11,210</b>	.
Coffey Forage	Leafy TR9	<b>13,632</b>	<b>8,090</b>	<b>10,861</b>	.
Coffey Forage	Tifleaf 3	<b>13,415</b>	<b>8,287</b>	<b>10,851</b>	.
Desert Sun	Navajo BMR	12,284	7,699	9,991	.
Dyna-Gro	PearlMil	<b>13,847</b>	7,293	10,570	<b>11,961</b>
Sorghum Partners	Millex 32	<b>14,046</b>	7,614	<b>10,830</b>	<b>12,302</b>
Average		13,263	7,778	10,549	11,539
LSD at 10% Level		1,139	647	612	399
Std. Err. of Entry Mean		468	222	271	168
Model R-squared		0.63	0.60	0.95	0.99

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

## Tifton, Georgia: Summer Annual Forage Performance, 2019, Dryland

Company or Brand Name	Hybrid or Variety Name	Harvest Date		Season Total	2-Year Average
		6-27-2019	8-23-2019		
----- dry pounds/acre -----					
<b><u>Sorghum, Sudangrass and Hybrids</u></b>					
Gayland Ward	18552	<b>9,764</b>	<b>8,009</b>	<b>17,773</b>	.
Gayland Ward	19154	<b>9,024</b>	<b>8,413</b>	<b>17,438</b>	.
Gayland Ward	19153	<b>9,266</b>	<b>7,523</b>	<b>16,789</b>	.
Dyna-Gro	Fullgraze II	<b>9,635</b>	7,067	<b>16,702</b>	<b>14,829</b>
Desert Sun	Latte BMR	<b>9,218</b>	7,337	<b>16,554</b>	.
Dyna-Gro	Danny Boy II BMR	8,500	6,903	15,403	.
Gayland Ward	Super Sugar Delayed Maturity	<b>8,998</b>	6,401	15,399	.
Coffey Forage	Exp. 5618 BMR	8,347	6,800	15,146	.
Coffey Forage	Exp. 3619 BMR	7,814	6,937	14,751	.
Sorghum Partners	Sordan 79	<b>9,840</b>	4,901	14,741	<b>14,383</b>
Coffey Forage	Exp. 3618 BMR	8,622	5,939	14,561	.
Alta Seeds	AS6401	<b>9,056</b>	5,446	14,502	.
Desert Sun	Elite BMR	7,700	6,601	14,301	.
Advanta Seeds	ADV XS8007	8,866	5,183	14,049	.
Coffey Forage	Xtragraze BMR	8,745	5,225	13,970	<b>14,554</b>
Desert Sun	Latte	7,840	6,063	13,903	<b>15,408</b>
Gayland Ward	Sweet Six BMR Dry Stalk	<b>9,542</b>	4,257	13,799	.
Coffey Forage	Exp. 5619 BMR	7,381	6,232	13,613	.
Gayland Ward	Sweet Forever BMR	8,235	5,364	13,599	.
Sorghum Partners	SP4555	<b>9,562</b>	3,829	13,391	<b>14,840</b>
Alta Seeds	AS6402	7,590	5,747	13,337	.
Advanta Seeds	ADV XS007	<b>9,097</b>	4,086	13,183	.
Dyna-Gro	Super Sweet 10	8,228	4,945	13,173	.
Gayland Ward	Sweet Forever PPS	7,926	5,160	13,086	.
Dyna-Gro	F75FS13	8,215	4,870	13,085	.
Sorghum Partners	SP7106 BMR	7,998	4,495	12,493	.
Coffey Forage	Surpass BMR	7,607	4,852	12,459	<b>12,562</b>
Dyna-Gro	Fullgraze II BMR	8,310	4,101	12,411	.
Advanta Seeds	ADV XS008	7,622	4,248	11,871	.
Sorghum Partners	SP4105	7,255	3,286	10,541	.
Average		8,521	5,681	14,202 <sup>1</sup>	14,399
LSD at 10% Level		939	988	1,533	NS
Std. Err. of Entry Mean		373	392	608	682
Model R-squared		0.62	0.80	0.73	0.21
<b><u>Pearl Millet</u></b>					
Coffey Forage	Leafy TR7	<b>9,977</b>	<b>4,377</b>	<b>14,354</b>	.
Sorghum Partners	Millex 32	<b>10,513</b>	3,533	<b>14,046</b>	<b>17,522</b>
Dyna-Gro	PearlMil	<b>10,228</b>	3,619	<b>13,847</b>	<b>17,509</b>
Coffey Forage	Leafy TR9	9,667	<b>3,965</b>	<b>13,632</b>	.
Coffey Forage	Tifleaf 3	<b>9,883</b>	3,532	<b>13,415</b>	.
Coffey Forage	Epic BMR	<b>10,602</b>	2,631	<b>13,233</b>	16,009
Desert Sun	Navajo BMR	9,149	3,136	12,284	.
Coffey Forage	ExCeed II BMR	8,904	2,387	11,291	14,201
Average		9,865	3,397	13,263 <sup>2</sup>	16,310
LSD at 10% Level		759	576	1,139	735
Std. Err. of Entry Mean		312	237	468	305
Model R-squared		0.66	0.73	0.63	0.95

1. CV = 8.6% and df for EMS = 74.

2. CV = 6.3% and df for EMS = 21.

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.  
"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

**Tifton, Georgia:**  
**Summer Annual Forage Performance (Continued), 2019, Dryland**

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Planted: April 17, 2019.  
Seeding Rate: Sorghum x Sudangrass: 100,000 seed/acre in 36-inch rows.  
Millet: 500,000 seed/acre in 36" rows.  
Soil Type: Tifton loamy sand.  
Soil Test: P = Medium, K = Low, and pH = 6.3.  
Fertilization: Preplant: 40 lb N, 30 lb P<sub>2</sub>O<sub>5</sub>, and 100 lb K<sub>2</sub>O/acre.  
Sidedress: 100 lb N/acre, plus 50 lb N/acre after 1st harvest.  
Previous Crop: Fallow.  
Management: Conventional tillage. Atrazine and Dual Magnum used for weed control (except on pearl millet). Telone II used for nematode control.

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

## Athens, Georgia: Summer Annual Forage Performance, 2019, Dryland

Company or Brand Name	Hybrid or Variety Name	Harvest Date			Season Total	2-Year Average
		6-17-19	7-18-19	9-19-19		
----- dry pounds/acre -----						
<b>Sorghum, Sudangrass and Hybrids</b>						
Gayland Ward	Super Sugar Delayed Maturity	<b>4,694</b>	<b>3,498</b>	<b>5,250</b>	<b>13,442</b>	.
Desert Sun	Latte BMR	<b>4,920</b>	<b>3,672</b>	<b>4,661</b>	<b>13,252</b>	.
Sorghum Partners	Sordan 79	<b>4,884</b>	2,691	<b>4,915</b>	<b>12,490</b>	.
Gayland Ward	19153	<b>4,892</b>	<b>2,879</b>	<b>4,512</b>	<b>12,282</b>	.
Gayland Ward	18552	3,870	<b>3,411</b>	<b>4,798</b>	<b>12,079</b>	.
Gayland Ward	Sweet Six BMR Dry Stalk	<b>5,096</b>	<b>3,214</b>	3,404	<b>11,714</b>	.
Gayland Ward	19154	3,967	2,751	<b>4,826</b>	<b>11,545</b>	.
Desert Sun	Latte	<b>4,631</b>	2,218	<b>4,268</b>	11,117	<b>12,053</b>
Coffey Forage	Xtragraze BMR	<b>4,409</b>	<b>3,060</b>	3,611	11,079	9,542
Advanta Seeds	ADV XS8007	<b>4,582</b>	<b>3,127</b>	3,110	10,819	.
Coffey Forage	Exp. 3618 BMR	3,719	2,814	4,232	10,765	.
Gayland Ward	Sweet Forever BMR	<b>4,370</b>	2,055	3,594	10,018	.
Alta Seeds	AS6401	3,948	<b>2,888</b>	3,118	9,953	.
Gayland Ward	Sweet Forever PPS	3,966	1,759	4,188	9,913	.
Sorghum Partners	SP4555	<b>4,561</b>	2,300	2,852	9,712	.
Coffey Forage	Surpass BMR	3,424	2,618	3,420	9,462	9,051
Advanta Seeds	ADV XS008	3,959	2,759	2,463	9,180	.
Alta Seeds	AS6402	3,362	2,643	3,130	9,135	.
Coffey Forage	Exp. 3619 BMR	3,267	2,686	3,138	9,091	.
Coffey Forage	Exp. 5618 BMR	3,477	2,408	3,185	9,069	.
Coffey Forage	Exp. 5619 BMR	3,457	2,522	2,933	8,912	.
Advanta Seeds	ADV XS007	3,803	2,808	2,014	8,625	.
Sorghum Partners	SP7106 BMR	3,244	2,536	2,449	8,229	.
Sorghum Partners	SP4105	3,343	1,164	3,066	7,573	.
Desert Sun	Elite BMR	1,941	1,066	2,044	5,051	.
Average		3,998	2,637	3,572	10,206 <sup>1</sup>	10,215
LSD at 10% Level		819	821	996	2,278	1,801
Std. Err. of Entry Mean		345	346	420	960	1,044
Model R-squared		0.61	0.53	0.65	0.57	0.37

1. CV = 18.8% and df for EMS = 71.

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: April 17, 2019.

Seeding Rate: 100,000 seeds per acre in 30-inch rows.

Soil Type: Wickham sandy loam.

Soil Test: P = Very high, K = High, and pH = 6.4.

Fertilization: Preplant: 30 lb N, 78 lb P<sub>2</sub>O<sub>5</sub>, and 78 lb K<sub>2</sub>O/acre.

Sidedress: 100 lb N/acre, plus 46 lb N/acre after 1st and 2nd harvests.

Previous Crop: Soybeans.

Management: Strip tillage. Dual Magnum and Atrazine used for weed control. Lorsban and Sivanto used for insect control.

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.



**Griffin, Georgia:**  
**Summer Annual Forage Performance, 2019, Dryland**

Company or Brand Name	Hybrid or Variety Name	Harvest Date					Season Total	Athens 2018
		7-16	7-31	8-13	8-26	9-23		
----- dry pounds/acre -----								
<b>Pearl Millet</b>								
Coffey Forage	Epic BMR	1,716	2,597	<b>1,803</b>	<b>879</b>	<b>1,372</b>	<b>8,366</b>	<b>6,190</b>
Coffey Forage	Tifleaf 3	2,173	<b>3,063</b>	<b>1,422</b>	562	<b>1,068</b>	<b>8,287</b>	.
Coffey Forage	Leafy TR9	2,154	2,573	<b>1,604</b>	<b>715</b>	<b>1,046</b>	<b>8,090</b>	.
Coffey Forage	Leafy TR7	2,072	2,547	<b>1,315</b>	<b>749</b>	<b>1,383</b>	<b>8,066</b>	.
Desert Sun	Navajo BMR	1,890	2,469	<b>1,674</b>	<b>696</b>	<b>969</b>	7,699	.
Sorghum Partners	Millex 32	<b>3,269</b>	1,651	<b>1,577</b>	554	564	7,614	<b>6,550</b>
Dyna-Gro	PearlMil	2,367	2,346	<b>1,305</b>	470	806	7,293	5,530
Coffey Forage	ExCeed II BMR	1,852	2,305	<b>1,525</b>	<b>699</b>	893	7,274	5,326
Average		2,140	2,445	1,511	666	1,015	7,778 <sup>1</sup>	5,899
LSD at 10% Level		187	376	NS	219	430	647	658
Std. Err. of Entry Mean		64	129	106	75	148	222	252
Model R-squared		0.94	0.72	0.53	0.56	0.55	0.60	0.66

1. CV = 5.7% and df for EMS = 15.

**Bolded** yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Planted: June 19, 2019.

Seeding Rate: 500,000 seeds per acre in 30-inch rows.

Soil Type:

Soil Test:

Fertilization:

Previous Crop:

Management:

Test conducted by H. Jordan, G. Ware, H. Jackson and S. Brannon.