

## SUMMER ANNUAL FORAGES

### Tifton, Georgia: Evaluation of Summer Annual Forage, 2006 and Two-Year Average Yields, 2005-2006

Company or Brand Name	Hybrid Name or Number	Clipping Dates				Season Total	2-Year Average
		6-08-06	7-12-06	8-09-06	9-22-06		
----- dry matter yield - pounds per acre -----							
<u>Sorghum x Sudangrass</u>							
SS	SS-211A	<b>2356</b>	<b>4409</b>	<b>2648</b>	<b>3531</b>	<b>12944</b>	<b>19878</b>
Pennington	Summergrazer III	<b>2181</b>	3507	<b>2512</b>	<b>3205</b>	11405	16729
SS	SS-220BMR	<b>2173</b>	<b>4401</b>	2051	2106	10731	14988
Moss	SU2LM	1850	3545	1809	2154	9357	16338
Moss	Mega Green	1971	3260	2242	1254	8726	14039
Moss	Century BMR	1523	3420	1829	1757	8529	13319
Moss	38 Special BMR	1140	2225	1557	1788	6709	.
Moss	Mega Green BMR	1288	2197	1272	687	5444	.
Average		1810	3370	1990	2060	9231 <sup>1</sup>	15882
LSD at 10% Level		366	535	378	863	1169	1135
Std. Err. of Entry Mean		150	220	156	354	480	472
<u>Pearl Millet</u>							
		<u>6-08-06</u>	<u>7-12-06</u>	<u>8-09-06</u>	<u>9-22-06</u>		
Ga CPES	Tifleaf 3	2770	<b>3417</b>	<b>2650</b>	<b>1891</b>	<b>10728</b>	<b>14084</b>
USDA-ARS	DMP3SR	<b>3077</b>	<b>3143</b>	<b>2390</b>	<b>1705</b>	<b>10315</b>	<b>13551</b>
USDA-ARS	DMP5SR	2999	<b>2984</b>	<b>2326</b>	<b>1581</b>	<b>9890</b>	.
USDA-ARS	DMP4SR	2801	<b>2463</b>	<b>2148</b>	<b>2348</b>	<b>9760</b>	<b>12893</b>
SS	SS-501	<b>3548</b>	<b>2812</b>	<b>2503</b>	730	<b>9593</b>	<b>13250</b>
SS	SS-635	2654	<b>2913</b>	<b>2253</b>	1490	9309	<b>13291</b>
Pennington	Pennleaf	2410	<b>2811</b>	<b>2295</b>	1310	8826	12714
USDA-ARS	DMP5TL	1451	<b>2871</b>	<b>2224</b>	1203	7748	10675
Average		2714	2927	2349	1532	9521 <sup>2</sup>	12923
LSD at 10% Level		483	N.S. <sup>3</sup>	N.S.	823	1236	1274
Std. Err. of Entry Mean		198	201	182	338	508	533

1. CV = 10.4% and df for EMS = 21.

2. CV = 10.7% and df for EMS = 21.

3. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: April 13, 2006.

Seeding Rate: Sorghum x Sudangrass: 150,000 seed/acre in 30" rows.  
Millet: 4 lb seed/acre in 30" rows.

Soil Type: Tifton loamy sand.

Soil Test: Sorghum x Sudangrass: P = Very High, K = Medium, and pH = .  
Millet: P = High, K = Medium, and pH = .

Fertilization: Sorghum x Sudangrass: Preplant: 85 lb N, 90 lb P<sub>2</sub>O<sub>5</sub>, and 135 lb K<sub>2</sub>O/acre.  
Sidedress: 81 lb N/acre, plus 70 lb N/acre after 1st, 2nd and 3rd harvests.

Millet: Preplant: 60 lb N, 75 lb P<sub>2</sub>O<sub>5</sub>, and 112 lb K<sub>2</sub>O/acre.

Sidedress: 81 lb N/acre, plus 70 lb N/acre after 1st, 2nd and 3rd harvests.

Previous Crop: Sorghum x Sudangrass: Small grain forage.

Millet: Sorghum x Sudangrass.

Management: Paratilled and rototilled; three cultivations used for weed control; Lorsban used for insect control.

Test conducted by A. E. Coy, R. Brooke, and R. Jackson.

## Griffin, Georgia: Evaluation of Summer Annual Forage, 2006 and Two-Year Average Yields, 2005-2006

Company or Brand Name	Hybrid Name or Number	Clipping Dates		Season Total	2-Year Average
		7-27-06	9-18-06		
----- dry matter yield - pounds per acre -----					
<u>Sorghum x Sudangrass</u>					
SS	SS-211A	<b>1992</b>	<b>6132</b>	<b>8124</b>	<b>10154</b>
Moss	SU2LM	<b>1975</b>	4694	6669	<b>8695</b>
SS	SS-220BMR	<b>1862</b>	4483	6345	<b>9522</b>
Pennington	Summergrazer III	<b>1690</b>	4635	6325	<b>9018</b>
Moss	Mega Green	<b>1724</b>	3545	5270	<b>6125</b>
Moss	38 Special BMR	<b>1895</b>	2538	4432	.
Moss	Century BMR	1134	2903	4037	<b>7214</b>
Moss	Mega Green BMR	1077	1297	2374	.
Average		1669	3778	5447 <sup>1</sup>	8455
LSD at 10% Level		494	977	923	N.S. <sup>2</sup>
Std. Err. of Entry Mean		203	402	379	366
<u>Pearl Millet</u>					
		<u>7-27-06</u>	<u>9-18-06</u>		
SS	SS-635	<b>3231</b>	<b>4002</b>	<b>7234</b>	<b>9050</b>
Ga CPES	Tifleaf 3	<b>2704</b>	<b>3803</b>	<b>6507</b>	<b>8055</b>
USDA-ARS	DMP4SR	<b>2557</b>	<b>3667</b>	<b>6224</b>	<b>8965</b>
USDA-ARS	DMP5SR	2444	<b>3549</b>	<b>5992</b>	.
USDA-ARS	DMP3SR	1949	<b>3957</b>	5906	<b>7129</b>
Pennington	Pennleaf	2197	<b>3315</b>	5512	<b>7850</b>
SS	SS-501	<b>2841</b>	<b>2486</b>	5327	<b>6360</b>
USDA-ARS	DMP5TL	862	<b>3642</b>	4505	<b>7266</b>
Average		2348	3553	5901 <sup>3</sup>	7811
LSD at 10% Level		707	N.S.	1294	N.S.
Std. Err. of Entry Mean		290	449	532	467

1. CV = 13.9% and df for EMS = 21.

2. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

3. CV = 18.0% and df for EMS = 21.

**Bolding** indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: May 26, 2006.

Seeding Rate: Sorghum x Sudangrass: 125,000 seed/acre in 30" rows.

Millet: 4 lb seed/acre in 30" rows.

Soil Type: Cecil sandy clay loam.

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

Fertilization: Preplant: 28 lb N, 56 lb P<sub>2</sub>O<sub>5</sub>, and 84 lb K<sub>2</sub>O/acre.

Sidedress: 125 lb N/acre, plus 50 lb N/acre after 1st harvest.

Previous Crop: Wheat.

Management: Chisel plowed, disked, and rototilled; Aatrex and one cultivation used for weed control; irrigated 1.0 inch.

Test conducted by P. A. Rose