

SUMMER ANNUAL FORAGES

Tifton, Georgia: Evaluation of Summer Annual Forage, 2011 and Two-Year Average Yields, 2010-2011

Company or Brand Name	Hybrid Name or Number	Clipping Dates			Season Total	2-Year Average
		6-30-11	8-19-11	10-17-11		
----- dry matter yield - pounds per acre -----						
<u>Sorghum x Sudangrass</u>						
Moss	Mega Green	11311	11204	10425	32940	26532
Gayland Ward	Super Sugar	11999	10790	9359	32149	.
Gayland Ward	Sweet For Ever	8860	12186	10360	31407	.
Alta Seeds	AS9301	11246	11554	8016	30816	22866
SS	SS211A	8412	11701	10422	30535	.
Sorghum Partners	Headless Trudan	8967	11090	10040	30097	.
SS	SS140BMR	11394	10749	7549	29692	.
Dyna-Gro	710F	10957	10221	8511	29689	.
SS	SS220BMR	10112	11124	8340	29576	22792
Grabow	8201 BMR6	8107	9305	11738	29150	.
Gayland Ward	GW 300 BMR	11550	11012	6535	29097	.
Moss	SU-2-LM	10235	10210	8599	29045	24338
Gayland Ward	GW 2120	13842	8979	6121	28941	.
Coffey	Exp2010BMR	12432	9574	5953	27960	21535
Moss	SU-2-LM BMR	9651	10147	7514	27312	.
Coffey	Maxi Gain bmr	11092	8855	7116	27064	.
Alta Seeds	AS6401	11084	9104	6847	27035	22556
Alta Seeds	AS6402	10340	10406	6279	27025	21767
Coffey	Exp3010BMR	11643	10095	4751	26490	20957
SS	SS240BD	10640	9380	5700	25720	.
Gayland Ward	Ensile Master	9854	10198	5477	25529	.
Coffey	Surpass XL bmr	9912	9215	6136	25264	.
SS	SS130BMR	12067	8396	3417	23881	16750
Dyna-Gro	725F	10278	8850	3288	22416	.
Sorghum Partners	1990	10671	7993	3228	21893	.
Advanta	XS6503	9489	8965	2612	21066	.
Average		10621	10050	7090	27761 ¹	22233
LSD at 10% Level		N.S. ²	N.S.	3366	5264	2730
Std. Err. of Entry Mean		1307	1140	1603	2507	1210
<u>Pearl Millet</u>						
Pennington	Pennleaf	12022	8708	4703	25432	.
SS	SS-635	11502	8396	5330	25228	.
Ga CPES	Tifleaf 3	11317	8329	5272	24918	22217
Plantation Seeds	Sawan 1001	8483	7648	6153	22284	.
SS	SS-501	6784	7116	5264	19165	.
Average		10022	8039	5344	23405 ³	22217
LSD at 10% Level		3278	N.S.	N.S.	3815	-
Std. Err. of Entry Mean		1325	626	553	1542	-

Tifton, Georgia:
Evaluation of Summer Annual Forage, 2011
and Two-Year Average Yields, 2010-2011 (Continued)

1. CV = 18.1% and df for EMS = 100.
2. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
3. CV = 14.8% and df for EMS = 16.

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

Planted: April 18, 2011.

Seeding Rate: Sorghum x Sudangrass: 100,000 seed/acre in 30" rows.

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

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 6.1.

Fertilization: Preplant: 35 lb N, 75 lb P₂O₅, and 105 lb K₂O/acre.

Sidedress: 50 lb N/acre, plus 1 lb N/acre after 1st and 2nd harvests.

Previous Crop: Soybeans.

Management: Disked, subsoiled and bedded, and rototilled; Atrazine 4L and Prowl used for weed control; Lorsban used for insect control; Telone II used for nematode control; irrigated 10 inches.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2011
and Two-Year Average Yields, 2010-2011

Company or Brand Name	Hybrid Name or Number	Clipping Dates			Season Total	2-Year Average
		7-07-11	8-03-11	10-17-11		
----- dry matter yield - pounds per acre -----						
<u>Sorghum x Sudangrass</u>						
Alta Seeds	AS6401	2354	4105	5801	12259	12633
Moss	Mega Green	2095	3712	4952	10759	11578
Sorghum Partners	1990	2263	3711	4631	10605	.
Gayland Ward	Ensile Master	1834	3860	4718	10412	.
Sorghum Partners	Headless Trudan	1603	3379	5310	10292	.
SS	SS211A	2135	3626	4524	10285	.
Coffey	Surpass XL bmr	1923	3168	4863	9954	.
Moss	SU-2-LM	2091	3068	3996	9155	13214
Gayland Ward	Sweet For Ever	1855	3031	4090	8976	.
Advanta	XS6503	1676	3071	4129	8875	.
Dyna-Gro	710F	1906	2825	4124	8855	.
Alta Seeds	AS6402	1697	3650	3468	8815	10169
SS	SS240BD	1725	3054	3779	8557	.
SS	SS140BMR	1867	3449	3183	8499	.
Gayland Ward	Super Sugar	2242	3125	2893	8260	.
Gayland Ward	GW 300 BMR	1849	2812	3466	8127	.
Moss	SU-2-LM BMR	1691	2880	3462	8033	.
Alta Seeds	AS9301	1746	3455	2799	8001	11222
Grabow	8201 BMR6	2137	3061	2780	7977	.
Dyna-Gro	725F	1513	3043	3268	7824	.
Gayland Ward	GW 2120	2050	2650	2988	7689	.
Coffey	Exp3010BMR	1927	2581	3126	7634	12388
SS	SS220BMR	1756	2613	2619	6988	11169
Coffey	Maxi Gain bmr	1394	2716	2712	6823	.
Coffey	Exp2010BMR	1407	2640	2729	6776	10307
SS	SS130BMR	1406	2772	10	4187	6998
Average		1851	3156	3632	8639 ¹	11075
LSD at 10% Level		N.S. ²	N.S.	1226	2085	N.S.
Std. Err. of Entry Mean		228	383	520	885	544

		Clipping Dates				
		7-12-11	8-04-11	10-17-11		
<u>Pearl Millet</u>						
SS	SS-501	5992	1887	3076	10955	.
Ga CPES	Tifleaf 3	4458	2703	3152	10313	9558
Plantation Seeds	Sawan 1001	3728	2021	3556	9305	.
SS	SS-635	4208	2024	3007	9238	.
Pennington	Pennleaf	3835	2076	2825	8735	.
Average		4444	2142	3123	9709 ³	9558
LSD at 10% Level		1160	N.S.	N.S.	N. S.	-
Std. Err. of Entry Mean		460	242	318	640	-

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2011
and Two-Year Average Yields, 2010-2011 (Continued)

1. CV = 20.1% and df for EMS = 75.
2. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
3. CV = 13.2% and df for EMS = 12.

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

Planted: May 24, 2011.

Seeding Rate: Sorghum x Sudangrass: 100,000 seed/acre in 30" rows.
Millet: 4 lb seed/acre in 30" rows.

Soil Type: Cecil sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.0.

Fertilization: Preplant: 50 lb N, 100 lb P₂O₅, and 150 lb K₂O/acre.
Sidedress: 50 lb N/acre, plus 1 lb N/acre after 1st and 2nd harvests.

Previous Crop: Ryegrass forage.

Management: Moldboard plowed, disked, and rototilled; Dual Magnum used for weed control.

Test conducted by J. Gassett and G. Ware.