

SUMMER ANNUAL FORAGES

Tifton, Georgia: Evaluation of Summer Annual Forage, 2013 and Two-Year Average Yields, 2012-2013

Company or Brand Name	Hybrid Name or Number	Clipping Dates		Season Total	2-Year Average
		7-10-13	9-05-13		
----- dry matter yield - pounds per acre -----					
<u>Sorghum x Sudangrass</u>					
Dyna-Gro	705F (SGxS)	15318	3749	19067	.
Gayland Ward	Super Sugar	13868	4282	18150	19120
Sorghum Partners	CHR-SS2	13797	3497	17295	.
Gayland Ward	GW 300 BMR	13426	3821	17247	.
Alta Seeds	AS5201	12552	4395	16948	18104
Sorghum Partners	CHR-SG1	12574	3988	16562	.
SS	SS-220BMR	13161	2830	15991	14924
Advanta	AS6403	13157	2819	15976	16106
Alta Seeds	AS6402	12440	2718	15158	15532
Coffey	Surpass XL bmr	12314	2516	14830	15067
Gayland Ward	Sweet For Ever BMR	11298	2990	14288	16955
Gayland Ward	Sweet Six BMR Dry Stalk	11731	2375	14106	.
Southern States	Unigraze II	11053	3008	14061	.
Alta Seeds	AS9301	11720	2233	13953	14538
Coffey	Surpass df (SGxS)	11348	2559	13907	13997
Coffey	MaxiGain bmr-6	11397	2443	13840	16476
Alta Seeds	AS6401	11210	2305	13514	14082
Grabow	8201 BMR6	9868	2226	12094	.
SS	SS130BMR	7827	2894	10721	.
Average		12108	3034	15143 ¹	15900
LSD at 10% Level		2014	713	2301	1342
Std. Err. of Entry Mean		851	301	972	567
<u>Pearl Millet</u>					
SS	SS635	17130	.	17130	.
Ga CPES	Tifleaf 3	17104	.	17104	14650
Coffey	Leafy 60	16609	.	16609	13339
Ga CPES	Browntop	13717	.	13717	.
Coffey	Exp 40-1 bmr	13235	.	13235	11150
Average		15559	.	15559 ³	13046
LSD at 10% Level		974		974	1449
Std. Err. of Entry Mean		386		386	661

Tifton, Georgia:
Evaluation of Summer Annual Forage, 2013
and Two-Year Average Yields, 2012-2013 (Continued)

1. CV = 12.8% and df for EMS = 54.
2. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
3. CV = 5.0% 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: April 18, 2013.

Seeding Rate: Sorghum x Sudangrass: 125,000 seed/acre in 30" rows.
Millet: 4 lb seed/acre in 30" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = Very High, K = Medium, and pH = 6.3.

Fertilization: Preplant: 50 lb N, 0 lb P₂O₅, and 80 lb K₂O/acre.
Sidedress: 130 lb N/acre, plus 75 lb N/acre after 1st harvest.

Previous Crop: Summer annuals.

Management: DisKed, subsoiled and bedded, rototilled; Atrazine and Prowl used for weed control;
Telone li used for nematode control.

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

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2013
and Two-Year Average Yields, 2012-2013

Company or Brand Name	Hybrid Name or Number	Clipping Dates		Season Total	2-Year Average
		7-19-13	8-30-13		
----- dry matter yield - pounds per acre -----					
<u>Sorghum x Sudangrass</u>					
Gayland Ward	GW 300 BMR	10618	4611	15229	.
FFR	SS Unigraze II	8881	6157	15038	.
Alta Seeds	AS6401	9094	5668	14762	13327
Alta Seeds	AS5201	7230	7154	14384	13986
Coffey	Surpass XL bmr	8959	5022	13981	12830
SS	SS-220BMR	7695	6019	13714	12500
Gayland Ward	Super Sugar	7154	6302	13456	13231
Advanta	AS6403	7907	5441	13348	13114
Dyna-Gro	705F (SGxS)	9135	4211	13346	.
Alta Seeds	AS6402	8712	4494	13206	12559
Sorghum Partners	CHR-SG1	7757	5320	13077	.
Sorghum Partners	CHR-SS2	7887	5059	12946	.
Alta Seeds	AS9301	6603	5735	12337	12489
Gayland Ward	Sweet Six BMR Dry Stalk	6192	5482	11674	.
Coffey	Surpass df (SGxS)	6760	4487	11248	11544
SS	SS130BMR	8423	2510	10933	.
Gayland Ward	Sweet For Ever BMR	6382	3790	10172	10451
Coffey	MaxiGain bmr-6	5099	4228	9326	10160
Average		7805	5094	12899 ¹	12381
LSD at 10% Level		1583	1024	1647	1210
Std. Err. of Entry Mean		668	432	695	512
<u>Pearl Millet</u>					
SS	SS635	9946	2103	12050	.
Coffey	Exp 40-1 bmr	10223	944	11167	10830
Ga CPES	Tifleaf 3	7728	2243	9971	11070
Coffey	Leafy 60	5292	2688	7980	10266
Average		8297	1995	10292 ²	10722
LSD at 10% Level		1482	650	1211	N.S. ³
Std. Err. of Entry Mean		572	250	467	369

1. CV = 10.8% and df for EMS = 51.

2. CV = 9.1% and df for EMS = 9.

3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an 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: May 23, 2013.

Seeding Rate: Sorghum x Sudangrass: 150,000 seed/acre in 30" rows.
Millet: 500,000 seed/acre in 30" rows.

Soil Type: Cecil clay loam.

Soil Test: P = Medium, K = High, and pH = 6.2.

Fertilization: Preplant: 50 lb N, 100 lb P₂O₅, and 150 lb K₂O/acre.

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

Previous Crop: Fallow.

Management: Chisel plowed, disked, rototilled; Dual Magnum and one cultivation for weed control.

Test conducted by J. Gassett and G. Ware.