

SUMMER ANNUAL FORAGES

Tifton, Georgia: Evaluation of Summer Annual Forage, 2015, and Two-Year Average Yields, 2014-2015

Company or Brand Name	Hybrid Name or Number	Clipping Dates		Season Total	2-Year Average
		7-14-15	9-1-15		
----- dry matter yield - pounds per acre -----					
<u>Sorghum x Sudangrass</u>					
Gayland Ward	Sweet Six BMR Dry Stalk	9554	8578	18132	14949
Alta Seeds	AS5201	7245	10291	17536	15435
Alta Seeds	AS6401	8041	9028	17069	14122
Gayland Ward	Super Sugar	8579	8319	16898	15712
Moss	MegaGreen PPS Sorghur	7237	8655	15891	.
Gayland Ward	Nutra-King BMR	7611	8080	15691	.
Blade	F2P134	7313	8339	15652	.
Sorghum Partners	Sordan Headless	7517	7803	15320	.
Gayland Ward	Super Sugar(DM)	7086	7785	14870	14097
Sorghum Partners	SDH 2942BMR	7071	7750	14821	13472
SS	SS-220BMR	7482	7256	14738	14159
Alta Seeds	AS9302	6761	7396	14158	14254
Dyna-Gro	F75FS13	6691	7462	14153	12225
Coffey	Xtragraze bmr	7373	6689	14062	13406
Moss	4EverGreen PPS Forage	7564	5999	13563	.
Dyna-Gro	705F (SGxS)	7567	5513	13080	12242
Blade	CB 7290	6377	6396	12772	.
Alta Seeds	AS6402	5915	6842	12757	12043
Athens	SS 1	6587	5700	12288	10540
SS	SS130BMR	6934	5197	12131	11926
Gayland Ward	Sweet Forever BMR	5646	6343	11989	12409
Coffey	Surpass bmr dw (SGxS)	6044	5346	11390	11472
Dyna-Gro	F75FS28 BMR	6762	4560	11322	11236
Sorghum Partners	SPX59014	4881	6316	11197	.
Average		7077	7152	14228 ¹	13159
LSD at 10% Level		1562	1658	2806	1651
Std. Err. of Entry Mean		662	703	1190	703
Clipping Dates					
		6-25-15	8-10-15		
<u>Pearl Millet</u>					
SS	SS 635 DF	10468	6079	16547	14128
UGA	Tifleaf 3	9662	6793	16455	13006
Coffey	Leafy 22	8945	6798	15743	.
Athens	HPM 1	9075	4763	13839	11971
Coffey	ExCeed bmr	8233	5197	13430	10711
SS	SS 1562M BMR	7903	5219	13121	.
Average		9048	5808	14856 ²	12454
LSD at 10% Level		1494	1023	1386	N.S. ³
Std. Err. of Entry Mean		603	412	559	402

**Tifton, Georgia:
Evaluation of Summer Annual Forage, 2015,
and Two-Year Average Yields, 2014-2015
(Continued)**

1. CV = 16.7% and df for EMS = 69.
2. CV = 7.5% and df for EMS = 15.
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: April 23, 2015.

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

Millet: 500,00 seed/acre in 30" rows.

Soil Type: Tifton loamy sand.

Soil Test: Sorghum x Sudangrass: P = Medium, K = Low, and pH = 6.0.

Millet: P = High, K = High, and pH = 5.9.

Fertilization: Preplant: 65 lb N, 50 lb P₂O₅, and 155 lb K₂O/acre.

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

Previous Crop: Sorghum x Sudangrass: Wheat.

Millet: Summer Annuals.

Management: Disked, subsoiled/bedded, and rototilled; Round-up used for burn down; Dual Magnum, Atrazine, and Warrant used for weed control; Transform and Sivanto used for insect control; Telone II used for nematode control.

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

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2015,
and Two-Year Average Yields, 2014-2015

Company or Brand Name	Hybrid Name or Number	Clipping Dates			Season Total	2-Year Average
		7-8-15	8-10-15	10-9-15		
----- dry matter yield - pounds per acre -----						
<u>Sorghum x Sudangrass</u>						
Moss	4EverGreen PPS Forage S	6984	2080	5719	14783	.
Alta Seeds	AS5201	6472	4059	3996	14527	15060
Gayland Ward	Sweet Forever BMR	5829	2599	5963	14391	12860
SS	SS-220BMR	6052	3887	3856	13794	14050
Gayland Ward	Sweet Six BMR Dry Stalk	6081	3740	3845	13667	14153
Dyna-Gro	F75FS13	7112	2554	3832	13498	12814
Moss	MegaGreen PPS Sorghum S	5835	2248	5318	13402	.
Dyna-Gro	705F (SGxS)	6619	2739	3986	13344	13955
Gayland Ward	Super Sugar	5336	3396	4499	13231	13937
Dyna-Gro	F75FS28 BMR	5899	2133	4918	12950	12625
Gayland Ward	Super Sugar(DM)	5889	2645	4190	12724	13427
Alta Seeds	AS9302	4492	3401	4764	12657	12275
Blade	CB 7290	6073	1153	5401	12627	.
Gayland Ward	Nutra-King BMR	5354	3803	3352	12509	.
Blade	F2P134	5741	2844	3871	12456	.
Coffey	Surpass bmr dw (SGxS)	5328	2428	3810	11566	11274
Coffey	Xtragraze bmr	5633	2781	2935	11350	12126
Alta Seeds	AS6401	5355	2894	2991	11240	12503
SS	SS130BMR	3529	2446	4402	10376	9868
Athens	SS 1	4980	1722	3593	10295	11427
Alta Seeds	AS6402	5064	2419	2377	9861	11301
Average		5698	2761	4172	12631 ¹	12728
LSD at 10% Level		814	554	1146	1570	1064
Std. Err. of Entry Mean		344	235	485	665	4404

		Clipping Dates				
		7-8-15	8-27-15			
<u>Pearl Millet</u>						
UGA	Tifleaf 3	7619	4418		12037	13047
Coffey	Leafy 22	8307	3626		11932	.
SS	SS 635 DF	6840	4404		11244	12230
SS	SS 1562M BMR	6561	4323		10884	.
Coffey	ExCeed bmr	7094	3748		10843	10905
Athens	HPM 1	7199	3057		10256	10681
Average		7270	3929		11199 ²	11716
LSD at 10% Level		N.S. ³	N.S.		N.S.	896
Std. Err. of Entry Mean		457	421		367	365

Griffin, Georgia:
Evaluation of Summer Annual Forage, 2015,
and Two-Year Average Yields, 2014-2015 (Continued)

1. CV = 10.5% and df for EMS = 60.
2. CV = 8.8% and df for EMS = 18.
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: Sorghum x Sudangrass: May 21, 2015.
Pearl Millet: May 15, 2015.

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

Soil Type: Cecil clay loam.

Soil Test: Sorghum x Sudangrass: P = Medium, K = High, and pH = 6.0.
Pearl Millet: P = Low, K = High, and pH = 6.6.

Fertilization: Preplant: 50 lb N, 100 lb P₂O₅, and 150 lb K₂O/acre.
Sidedress: Sorghum x Sudangrass: 50 lb N/acre, plus 50 lb N/acre after 1st and 2nd harvests.
Pearl Millet: 50 lb N/acre, plus 50 lb N/acre after 1st harvest.

Previous Crop: Sorghum x Sudangrass: Soybeans.
Pearl Millet: Fallow.

Management: Sorghum x Sudangrass: Chisel plowed, disked, and rototilled; Dual Magnum and one cultivation used for weed control; Gramoxone used for burn down immediately after 1st harvest; Belt and Transform used for insect control.
Pearl Millet: Chisel plowed, disked, and rototilled; one cultivation used for weed control; Gramoxone used for burn down immediately after 1st harvest.

Test conducted by H. Jordan and G. Ware.