

SUMMER ANNUAL FORAGES

Tifton, Georgia: Evaluation of Summer Annual Forages, 2017 and Two-Year Average Yields, 2016-2017

Company or Brand Name	Hybrid Name or Number	Clipping Dates		Season Total	2-Year Average
		7/13/2017	9/7/2017		
----- dry matter yield - pounds per acre -----					
<u>Sorghum x Sudangrass</u>					
Meherrin	Southern Star	14904	10117	25021	.
Dyna-Gro Seed	F74FS23 BMR	15099	6326	21425	.
Moss	Mega Green	6659	10802	21337	19399
Desert Sun	DSM 33-948	5642	8328	20430	17200
Desert Sun	ELITE	13275	6080	19355	.
Sorghum Partners	Sordan Headless	7823	11297	19124	19122
Coffey	Xtragraze BMR	12452	6003	18455	.
Alta Seeds	AS6504	12424	5526	17950	.
Sorghum Partners	SP6205 BD	6164	7650	17834	15824
Coffey	Exp SCA-2 ST	11518	6081	17599	.
Sorghum Partners	Sordan 79	11253	5906	17159	.
Dyna-Gro	FullGraze BMR	11338	5550	16887	.
Sorghum Partners	SP4555	8174	9769	16810	17376
Coffey	Exp SCA-1	11365	5290	16655	.
Gayland Ward	Super Sugar(DM)	8140	11276	16148	17782
Meherrin	SOUTHERN SWEET	5905	9454	15707	15533
Sorghum Partners	SPX56116	10671	5035	15706	.
Southern States	SS 220 (SG X S)	9191	10344	15571	17553
Desert Sun	BIG KAHUNA	4038	5802	15516	12678
Dyna-Gro	Danny Boy BMR	10630	4176	14806	.
Sorghum Partners	SP4105	6567	8899	14335	14900
Gayland Ward	Sweet Six BMR Dry Stalk	6603	8016	14329	14474
Coffey	Exp SCA-3 BMR	10057	4157	14214	.
Alta Seeds	AS6402	6901	9924	14046	15436
Southern States	SS 1652 SS (SG X S)	6872	8405	13099	14188
Gayland Ward	Nutra-King BMR	8631	10128	13077	15918
Sorghum Partners	SPX59416	9349	2944	12294	.
Gayland Ward	Sweet Forever BMR	6249	9206	12057	13756
Coffey	Surpass BMR dw (SGxS)	8452	2818	11269	.
Moss	Mega Green BMR	8457	2030	10487	.
Sorghum Partners	SPX55816	6854	3121	9976	.
Sorghum Partners	SPX55516	6161	2180	8341	.
Southern States	SS 130 (S)	7768	4677	7959	10202
Average		10805	4800	15605 ¹	15709
LSD at 10% Level		1891	2161	3314	NS ²
Std. Err. of Entry Means		805	920	1411	1053

Tifton, Georgia:
Evaluation of Summer Annual Forages, 2017
and Two-Year Average Yields, 2016-2017
(Continued)

Company or Brand Name	Hybrid Name or Number	Clipping Date	Season	2-Year
		6/19/2017	Total	Average
----- dry matter yield - pounds per acre -----				
Pearl Millet				
UGA	Tifleaf 3	12968	12968	15102
Coffey	ExCeed BMR	12756	12756	.
Advanta	Wonderleaf	12561	12561	15527
Sorghum Partners	Millex 32	11958	11958	15501
Sorghum Partners	MILLEX BMR	11733	11733	12608
SS	SS 635 DF	11591	11591	13682
Coffey	Epic BMR	11098	11098	.
SS	SS 1562M BMR	10076	10076	11493
Average		11843	11843 ³	13986
LSD at 10% Level		738	738	NS
Std. Err. of Entry Mean		303	303	312

1. CV = 18.1% and df for EMS = 96.
2. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore, an LSD value was not calculated.
3. CV = 5.1% 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: April 24, 2017.

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

Soil Type: Tifton loamy sand.

Soil Test: Sorghum x Sudangrass: P = High, K = Medium, and pH = 6.0.
Pearl Millet: P = Medium, K = Medium, and pH = 5.6.

Fertilization: Preplant: 50 lb N, 80 lb P₂O₅, and 90 lb K₂O/acre. Applied 1000 lb dolomitic lime/acre.
Sidedress: 60 lb N/acre, plus 50 lb N/acre after 1st harvest.

Previous Crop: Soybeans.

Management: Disked, subsoiled/bedded, and rototilled; Dual Magnum and Atrazine used for weed control; Telone II used for nematode control; Sivanto used for insect control.

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

Athens, Georgia:
Evaluation of Summer Annual Forages, 2017
and Two-Year Average Yields, 2016-2017

Company or Brand Name	Hybrid Name or Number	Clipping Dates			Season Total	2-Year Average ¹
		7/13/2017	8/18/2017	10/13/2107		
----- dry matter yield - pounds per acre -----						
<u>Sorghum x Sudangrass</u>						
Gayland Ward	Super Sugar(DM)	2966	5757	1282	10005	7202
Dyna-Gro	Danny Boy BMR	4587	3581	1223	9391	.
Alta Seeds	AS6504	3137	3287	2122	8546	.
Coffey	Xtragraze BMR	3662	2760	1909	8331	.
Gayland Ward	Sweet Six BMR Dry Stalk	3661	3023	1367	8052	6635
Moss	Mega Green	3396	2456	1870	7721	7199
Coffey	Exp SCA-2 ST	2922	2954	1684	7560	.
Alta Seeds	AS6402	2886	2590	1774	7249	6080
Gayland Ward	Nutra-King BMR	3240	3025	881	7145	6364
Coffey	Exp SCA-1	2615	2883	1584	7082	.
Meherrin	Southern Star	2310	3232	1370	6912	.
Coffey	Surpass BMR dw (SGxS)	2595	2477	1725	6796	.
Dyna-Gro	F74FS23 BMR	3540	2120	1027	6687	.
Coffey	Exp SCA-3 BMR	2715	2177	1305	6197	.
Moss	Mega Green BMR	2644	2880	650	6173	.
Dyna-Gro	FullGraze BMR	2613	2077	1172	5862	.
Desert Sun	DSM 33-948	2116	2296	1114	5526	4937
Desert Sun	BIG KAHUNA	2106	1911	1379	5396	4597
Meherrin	SOUTHERN SWEET	2528	2062	788	5378	4399
Gayland Ward	Sweet Forever BMR	2773	1594	826	5192	3799
Desert Sun	ELITE	2074	953	641	3668	.
Average		2909	2671	1319	6899 ²	5690
LSD at 10% Level		1156	1737	794	2428	1327
Std. Err. of Entry Mean		420	632	289	883	521
<u>Pearl Millet</u>						
UGA	Tifleaf 3	7172	1843		9016	6643
Advanta	Wonderleaf	8040	779		8820	6299
Coffey	Epic BMR	7347	553		7900	.
Coffey	ExCeed BMR	6680	141		6821	.
Athens	HPM 1	5961	376		6338	.
Average		7040	739		7779 ³	6471
LSD at 10% Level		NS ⁴	777		NS	NS
Std. Err. of Entry Mean		890	308		962	371

**Athens, Georgia:
Evaluation of Summer Annual Forages, 2017
and Two-Year Average Yields, 2016-2017
(Continued)**

1. Data from Griffin, 2016, and Athens, 2017.
2. CV = 25.6% and df for EMS = 40.
3. CV = 24.7% and df for EMS = 12.
4. 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 16, 2017

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

Soil Type: Chewacla silt loam.

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

Fertilization: Preplant: 50 lb N, 165 lb P_2O_5 , and 330 lb K_2O /acre.

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

Previous Crop: Wheat.

Management: Strip tilled for planting; Dual Magnum and Atrazine used for weed control; Lorsban used for insect control.

Test conducted by H. Jordan and G. Ware.