

SUMMER ANNUAL FORAGES

Tifton, Georgia: Evaluation of Summer Annual Forage, 2009 and Two-Year Average Yields, 2008-2009

Company or Brand Name	Hybrid Name or Number	Clipping Dates			Season Total	2-Year Average
		6-29-09	7-20-09			
----- dry matter yield - pounds per acre -----						
<u>Sorghum x Sudangrass</u>						
SS	SS211A	10015	8827	.	18843	.
Advanta	SGxS22053	9516	6389	.	15904	.
Coffey	Exp3010BMR	7901	6640	.	14541	13921
SS	SS220BMR	7721	6157	.	13878	.
Coffey	Exp2010BMR	7662	6180	.	13843	13188
Advanta	SGxS23431	7327	5719	.	13045	.
SS	SS130BMR	7670	2683	.	10353	.
Average		8259	6085	.	14344 ¹	13555
LSD at 10% Level		N.S. ²	1228		2574	-
Std. Err. of Entry Mean		748	500		1050	-

		Clipping Dates				
<u>Pearl Millet</u>		6-30-09	8-06-09	9-18-09		
Ga CPES	Tifleaf 3	7503	4239	2937	14679	15599
SS	SS635	7053	4477	3127	14656	.
SS	SS501	6569	4675	3232	14477	.
Average		7042	4464	3099	14604	15599
LSD at 10% Level		N.S.	N.S.	N.S.	N.S.	-
Std. Err. of Entry Mean		783	246	474	711	-

1. CV = 14.6% and df for EMS = 18.

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

3. CV = 22.2% and df for EMS = 6.

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: April 30, 2009.

Millet: May 4, 2009.

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: P = Very High, K = Medium, and pH = 5.8.

Fertilization: Preplant: 34 lb N, 34 lb P₂O₅, and 101 lb K₂O/acre.

Sorghum x Sudangrass - Sidedress: 50 lb N/acre, plus 50 lb N/acre after 1st harvest.

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

Previous Crop: Summer annuals.

Management: Disked, subsoiled and bedded, rototilled: Atrazine and one cultivations used for weed control.

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

Griffin, Georgia: Evaluation of Summer Annual Forage, 2009 and Two-Year Average Yields, 2008-2009

Company or Brand Name	Hybrid Name or Number	Clipping Dates		Quality Factors				Season Total	2-Year Average
		8-06-09	9-25-09	Protein	NDF	ADF	TDN		
----- dry matter yield - pounds per acre -----									
<u>Sorghum x Sudangrass</u>									
SS	SS211A	6309	5844	11.4	60.6	34.9	55.2	12153	.
Coffey	Exp3010BMR	5992	5607	13.2	59.0	34.4	56.3	11599	9209
Advanta	SGxS22053	6175	4662	11.1	60.9	35.5	54.8	10837	.
SS	SS220BMR	5508	4661	11.5	62.0	36.9	53.4	10168	.
Coffey	Exp2010BMR	5598	4257	13.1	59.5	34.3	56.2	9855	7679
Advanta	SGxS23431	4608	3535	12.1	62.5	36.8	53.6	8144	.
SS	SS130BMR	3942	3392	11.6	62.6	36.6	54.0	7334	.
Coffey	SB7382-Hbmr	3763	2116	10.9	63.3	37.9	52.2	5878	.
Average		5237	4259	11.9	61.3	35.9	54.5	9496 ¹	8444
LSD at 10% Level		769	1186	N.S. ²	N.S.	N.S.	N.S.	1651	909
Std. Err. of Entry Mean		316	488	0.8	1.1	1.4	1.6	678	331
<u>Pearl Millet</u>									
Ga CPES	Tifleaf 3	6574	4527	.	.	.	.	11101	.
SS	SS635	7340	3494	.	.	.	.	10834	.
SS	SS501	8481	2338	.	.	.	.	10819	.
Average		7465	3453	.	.	.	.	10918 ³	.
LSD at 10% Level		1145	733					N.S.	
Std. Err. of Entry Mean		416	266					340	

1. CV = 14.3% 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 = 6.2% and df for EMS = 6.

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: June 2, 2009.

Millet: June 8, 2009.

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

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

Soil Type: Sorghum x Sudangrass: Pacolet coarse sandy loam.

Millet: Cecil sandy loam.

Soil Test: Sorghum x Sudangrass: P = High, K = Very High, and pH = 5.9.

Millet: P = Very High, K = Very High, and pH = 6.3.

Fertilization: Sorghum x Sudangrass: Preplant: 75 lb N, 150 lb P₂O₅, and 225 lb K₂O/acre.

Millet: Preplant: 30 lb N, 60 lb P₂O₅, and 90 lb K₂O/acre.

Sidedress (both): 100 lb N/acre, plus 50 lb N/acre after 1st harvests.

Previous Crop: Sorghum x Sudangrass: Soybeans.

Millet: Corn.

Management: Sorghum x Sudangrass: Chisel plowed, disked, rototilled; Atrazine and two cultivations used for weed control.

Millet: Chisel plowed, disked, rototilled; Atrazine and one cultivation used for weed control.

Test conducted by J. Gassett and G. Ware.