

SUMMER ANNUAL FORAGES

Tifton, Georgia: Evaluation of Summer Annual Forage, 2005 and Two-Year Average Yields, 2004-2005

| Company or Brand Name | Hybrid Name or Number | Clipping Dates | | | Season Total | 2-Year Average |
|--|--------------------------|-------------------|----------------|----------------|--------------------|-------------------|
| | | 6-21-05 | 8-03-05 | 9-21-05 | | |
| ----- dry matter yield - pounds per acre ----- | | | | | | |
| Sorghum x Sudangrass | | | | | | |
| SS | SS-211A | 6901 | 9667 | 10245 | 26813 | 21999 |
| Moss | SU2LM | 6004 | 8018 | 9297 | 23319 | 18740 |
| Pennington | Summergrazer III | 6024 | 7046 | 8983 | 22053 | 18846 |
| CSC | X7181GBMR | 6396 | 6010 | 7398 | 19804 | . |
| CSC | X7191GBMR | 6299 | 6270 | 7043 | 19611 | . |
| Moss | Mega Green | 5541 | 7237 | 6575 | 19353 | 16419 |
| SS | SS-220BMR | 5655 | 6063 | 7528 | 19246 | 14903 |
| Moss | Century BMR | 5977 | 5931 | 6201 | 18110 | 13800 |
| Cal/West Seeds | CW2-61-6 | 5814 | 5285 | 6307 | 17407 | . |
| Cal/West Seeds | CW4-67-6 | 6098 | 4944 | 6126 | 17168 | . |
| Cal/West Seeds | CW2-62-6 | 5829 | 5172 | 5758 | 16759 | . |
| Cal/West Seeds | CW2-63-6 | 6110 | 4908 | 5435 | 16452 | . |
| Pennington | Penn02BMR | 5371 | 4050 | 3869 | 13290 | . |
| Average | | 6001 | 6200 | 6982 | 19183 ¹ | 17451 |
| LSD at 10% Level | | N.S. ² | 1008 | 1153 | 1948 | 1594 |
| Std. Err. of Entry Mean | | 357 | 422 | 483 | 816 | 663 |
| Millet | | | | | | |
| | | <u>6-21-05</u> | <u>7-27-05</u> | <u>8-29-05</u> | | |
| Ga CPES | Tifleaf 3 | 8727 | 4087 | 4626 | 17441 | 16433 |
| SS | SS-635 | 7323 | 5491 | 4459 | 17273 | 16191 |
| SS | SS-501 | 8036 | 4666 | 4204 | 16907 | 16420 |
| USDA-ARS | DMP3SR | 8380 | 4269 | 4138 | 16787 | . |
| Pennington | Pennleaf | 7458 | 4925 | 4219 | 16602 | 16503 |
| USDA-ARS | DMP4SR | 8113 | 4186 | 3727 | 16027 | . |
| USDA-ARS | DMP5TL | 5133 | 4272 | 4195 | 13601 | . |
| Average | | 7596 | 4557 | 4224 | 16377 ³ | 16387 |
| LSD at 10% Level | | 1335 | N.S. | N.S. | N.S. | N.S. |
| Std. Err. of Entry Mean | | 544 | 400 | 254 | 921 | 523 |

1. CV = 8.5% and df for EMS = 36.

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

3. CV = 11.2% and df for EMS = 18.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0/10).

Tifton, Georgia:
Evaluation of Summer Annual Forage, 2005
and Two-Year Average Yields, 2004-2005 (Continued)

Sorghum x Sudangrass

Planted: April 22, 2005
Seeding Rate: 150,000 seed/acre in 30" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Very High, K = Medium, and pH = 5.5.
Fertilization: Preplant: 85 lb N, 90 lb P₂O₅, and 135 lb K₂O/acre.
Sidedress: 81 lb N/acre, plus 70 lb N/acre after 1st and 2nd harvests.
Previous Crop: Small grain forage.
Management: Paratilled and rototilled; Atrazine and three cultivations used for weed control;
Lorsban used for insect control.

Test conducted by A. E. Coy, R. Bennett, R. Brooke, and R. Burton.

Millet

Planted: April 22, 2005.
Seeding Rate: 4 lb seed/acre in 30" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = High, K = Medium, and pH = 5.1.
Fertilization: Preplant: 60 lb N, 75 lb P₂O₅, 112 lb K₂O, and 2000 lb Dolomitic lime/acre.
Sidedress: 81 lb N/acre, plus 70 lb N/acre after 1st and 2nd harvests.
Previous Crop: Sorghum x Sudangrass
Management: Paratilled and rototilled; Atrazine and three cultivations used for weed control;
Lorsban used for insect control.

Test conducted by A. E. Coy, R. Bennett, R. Brooke, and R. Burton.

Griffin, Georgia: Evaluation of Summer Annual Forage, 2005 and Two-Year Average Yields, 2004-2005

| Company or Brand Name | Hybrid Name or Number | Clipping Dates | | | Season Total | 2-Year Average |
|--|--------------------------|----------------|----------------|-----------------|-------------------|-------------------|
| | | 7-19-05 | 8-19-05 | 10-28-05 | | |
| ----- dry matter yield - pounds per acre ----- | | | | | | |
| <u>Sorghum x Sudangrass</u> | | | | | | |
| SS | SS-220BMR | 3306 | 4571 | 4822 | 12699 | 9782 |
| SS | SS-211A | 3561 | 4097 | 4525 | 12184 | 11478 |
| Pennington | Summergrazer III | 2641 | 5170 | 3899 | 11710 | 10913 |
| Cal/West Seeds | CW2-61-6 | 3257 | 4699 | 2811 | 10767 | . |
| Moss | SU2LM | 2657 | 3626 | 4439 | 10722 | 9991 |
| CSC | X7191GBMR | 2944 | 4208 | 3300 | 10452 | . |
| Moss | Century BMR | 2444 | 3706 | 4240 | 10391 | 9270 |
| CSC | X7181GBMR | 3140 | 3959 | 2925 | 10024 | . |
| Cal/West Seeds | CW2-63-6 | 2987 | 4384 | 1908 | 9279 | . |
| Cal/West Seeds | CW4-67-6 | 3076 | 3752 | 1878 | 8706 | . |
| Cal/West Seeds | CW2-62-6 | 2981 | 4338 | 1375 | 8694 | . |
| Moss | Mega Green | 2331 | 2640 | 2009 | 6979 | 8273 |
| Pennington | Penn02BMR | 2587 | 2237 | 1028 | 5853 | 5119 |
| Average | | 2916 | 3953 | 3012 | 9882 ¹ | 9261 |
| LSD at 10% Level | | 461 | 727 | 972 | 1251 | N.S. ² |
| Std. Err. of Entry Mean | | 193 | 304 | 407 | 524 | 975 |
| <u>Millet</u> | | | | | | |
| | | <u>7-19-05</u> | <u>8-19-05</u> | <u>10-28-05</u> | | |
| USDA-ARS | DMP4SR | 3527 | 4321 | 3858 | 11706 | . |
| SS | SS-635 | 2686 | 4016 | 4165 | 10867 | 11377 |
| Pennington | Pennleaf | 3081 | 3712 | 3395 | 10188 | 10652 |
| USDA-ARS | DMP5TL | 1534 | 4108 | 4385 | 10027 | . |
| Ga CPES | Tifleaf 3 | 2311 | 2491 | 4799 | 9602 | 10847 |
| USDA-ARS | DMP3SR | 2708 | 3849 | 1795 | 8353 | . |
| SS | SS-501 | 3679 | 2351 | 1363 | 7393 | 7085 |
| Average | | 2789 | 3550 | 3394 | 9734 ³ | 9990 |
| LSD at 10% Level | | 810 | 961 | 1286 | 1876 | 1562 |
| Std. Err. of Entry Mean | | 330 | 392 | 524 | 765 | 637 |

1. CV = 10.6% and df for EMS = 36.

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

3. CV = 15.7% and df for EMS = 18.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0/10).

Planted: May 19, 2005

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

Soil Type: Cecil sandy clay loam.

Soil Test: P = High, K = Medium, and pH = 6.4.

Fertilization: Preplant: 28 lb N, 56 lb P₂O₅, and 84 lb K₂O/acre.

Sidedress: 125 lb N/acre, plus 50 lb N/acre after 1st and 2nd harvests.

Previous Crop: Wheat

Management: Chisel plowed, disked, and rototilled; Aatrex and one cultivation used for weed control; irrigated 1.0 inch.

Test conducted by P. A. Rose.