

2009 Pasture and Forage Crop Variety Suggestions
-Warm Season Plants-
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Variety or Strain	Seeding Rate Per Acre	Planting Date
<i>Perennial Grasses</i>		
Dallisgrass*		
Imported	5 lbs. pure live seed**	March 1-June 1 ¹
Bermudagrass		
<u>Hybrids</u>		
Alicia	Enough planting material to give 7,500 plants per acre (see notes on sprigs and long hay)	March 1-June 1 ¹
Brazos ²		
Coastal ²		
Grazer ²		
Tifton 44 ²		
Tifton 85		
Russell		
Jiggs		
Sumrall 007		
Little Phillip #1		
<u>Seeded varieties</u>		
Common	5 lbs. hulled seed	March 1-June 1 ¹
Bahiagrass***		
Argentine	15 lbs. pure live seed**	March 1-June 1 ¹
Pensacola		
Tifton 9		

*Recommended only for the alluvial soils and fertile upland soils.

**Seeding rates should be increased for low germination and low purity percentages.

***Not recommended for heavy clay soils.

¹ March 1 to June 1 is optimum, but these grasses may be planted anytime during the growing season when soil moisture is adequate.

² Shortages of planting material may limit planting in some areas.

Sprigs A bushel of Alicia, Coastal, Grazer or Tifton 44 sprigs contain about 400 sprigs and weighs approximately 15 pounds. Satisfactory stands can be obtained by using 12-15 bu/acre if planted by hand in 3 ft. rows., 15-20 bu/acre if planted by machine in rows, and 40-50 bu/acre if broadcast and disked into the soil. Brazos contains fewer sprigs per bushel, therefore, planting rates for Brazos should be 20-25 bu/acre if planted by hand in 3 ft. rows, 25-30 bu/acre if planted by machine in rows, and 50-60 bu/acre if broadcast and disked into the soil.

Long Hay A bale of green, uncured clippings weighing 100 lbs. will plant approximately 2,500 square feet when spread over the area.

Variety or Strain	Seeding Rate Per Acre	Date of Planting
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Annual Grasses

Louisiana research has shown that pearl millet is generally superior to the sorghum-sudangrass hybrids on well drained, light, upland soils, while the sorghum-sudangrass hybrids are generally superior to millet on heavier type soils. Specific variety recommendations for these species cannot be made because of insufficient data. Limited testing is being conducted at several locations. Please refer to the data in the following tables for variety performance information.

Pearl Millet Hybrids	Drilled: 25 lbs. Broadcast: 30 lbs.	35 days prior to time grazing is needed, but not before April 15 nor later than August 1.
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Sorghum-Sudangrass Hybrids	Drilled: 30 lbs. Broadcast: 35 lbs.	35 days prior to time grazing is needed, but not before April 15 nor later than August 1.
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Warm Season Legumes

Alyceclover	Seed Rate: 30 lbs.	May 1-July 15
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Perennial Peanut

This is a perennial legume that is adapted to well-drained soil types. It should not be planted on heavy soils that are prone to flooding or being water-logged for extended periods of time. Perennial peanuts should not be planted north of I-20 in Louisiana.

Florigraze Arbrook	Seed Rate: 60 to 80 bushels of rhizomes/acre	January 1-March 15
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Silage and Green Chop Crops

Specific variety recommendations for these species cannot be made because of insufficient data. Limited testing is being conducted at the Southeast Research Station near Franklinton.

Forage Sorghum	40" rows: 6-8 lbs. Drilled: 8-12 lbs. Broadcast: 15-20 lbs.	April 15-June 15 (In southern LA) May 1-June 15 (In northern LA)
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Corn for Silage	23,000 to 25,000 seeds/A in 30-40" rows	March 1-April 15
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Table1. Summer Annual Variety Test, 2008 Dry Matter Yields by Cutting

Variety	Cut 1	Cut 2	Total	Relative
	8/7/2008 Lbs/A	9/18/2008 lbs/A	season lbs/A	Yield
GW-300BMR Sorghum-Sudangrass Hybrid	8919 a†	5940 a	14859 a	153
EXP 3017x BMR Sorghum-Sudangrass	7820 ba	4887 b	12708 b	131
EXP 2017x BMR Sorghum-Sudangrass	7266 bc	4338 cb	11604 bc	120
Pro Max BMR Sudangrass	6767 bcd	4729 b	11496 bc	119
EXP 6810x BMR Forage Sorghum	7056 bcd	4264 cb	11320 bc	117
EXP 2017OWx BMR Sorghum-Sudangrass	6624 cd	4395 cb	11019 cd	114
BMR 106 Forage Sorghum	6018 d	3667 c	9685 d	100
Mean	7210	4603	11813	

†Within columns numbers followed by the same letter are not statistically different.

Table 2. Summer Annual Variety Test, 2008 Digestibility and CP by Cutting

Variety	Cut 1		Cut 2	
	Crude protein	Digestibility %	Crude protein	Digestibility
GW-300BMR Sorghum-Sudangrass Hybrid	13.3abc†	62.6	13.1	60.3b
EXP 3017x BMR Sorghum-Sudangrass	12.4bc	63.5	14.5	62.9ab
EXP 2017x BMR Sorghum-Sudangrass	13.8ab	64.3	15.7	64.3a
Pro Max BMR Sudangrass	13.2abc	65.0	15.4	64.1a
EXP 6810x BMR Forage Sorghum	11.5c	63.8	14.5	64.7a
EXP 2017OWx BMR Sorghum-Sudangrass	14.0ab	65.6	14.7	65.3a
BMR 106 Forage Sorghum	14.8a	65.8	14.6	65.0a
Mean	13.3	64.4	14.6	63.8

†Within columns numbers followed by the same letter are not statistically different.

Table 3. Dry forage production from bermudagrass cultivars during the 2008 growing season, Winnsboro, LA.

Entry	Harvest Date				Total Yield 2008
	June 2	July 3	August 15	October 3	
	----- Dry forage, lbs./acre -----				
Russell	2420	890	2780	3650	9740
common	2040	600	2570	3230	8440
Cheyenne II	1910	730	2720	2740	8110
Ranchero Frio	2380	760	2140	2650	7940
SunGrazer Plus	1920	440	2100	3090	7560
Mohawk	1900	330	2420	2680	7330

Planted: July 26, 2007

N Fertilization: 50 lbs. N/ac applied on May 12, 2008 and after each of the first three harvests.

LSD (.05) for comparisons among means within a harvest date = 320.

Total annual yields among cultivars did not differ statistically ($P > .05$)