

ANDROPOGON GAYANUS CV. PLANALTINA

CHARACTERISTICS	
ADVANTAGES Good adaptation to dry weather and low fertility. Fast regrowth in the beginning of humid season	DISADVANTAGES Low nutritional quality
GROWTH Caespitosus	FERTILITY DEMANDING Low
TOLERANCE TO SHADOWING Medium	TOLERANCE TO THE DRY SEASON Very High
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* Low	POTENTIAL PRODUCTIVITY* 5-15 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle, Equidae, Sheep, and Caprinae	OTHER USES Consortium with legumes
ROTATE ENTRY HEIGHT 60 to 80 cm	ROTATE EXIT HEIGHT 30 to 40 cm

BRACHIARIA BRIZANTHA CV. LA LIBERTAD (MG-4)

CHARACTERISTICS	
ADVANTAGES Good adaptation to dry weather and handling facility	DISADVANTAGES Susceptible to leafhoppers
GROWTH Decumbent	FERTILITY DEMANDING Medium
TOLERANCE TO SHADOWING Medium	TOLERANCE TO THE DRY SEASON High
TOLERANCE TO TEMPORARY SOAKING Medium	GRAZING SYSTEM RECOMMENDED Continuous or Rotate
POTENTIAL QUALITY* Medium	POTENTIAL PRODUCTIVITY* 10-15 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle, Sheep, and Caprinae	OTHER USES Hay, Deferment and Vegetation
ROTATE ENTRY HEIGHT 30 cm	ROTATE EXIT HEIGHT 15 to 25 cm

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

*such values or indexes change according to the pasture handling, soil fertility, and weather conditions.

BRACHIARIA BRIZANTHA CV. MARANDU

CHARACTERISTICS	
ADVANTAGES High productivity and good adaptation in several regions	DISADVANTAGES Intolerant to soaked soils and susceptible to leafhopper Mahanarva spp.
GROWTH Caespitosus	FERTILITY DEMANDING Medium to high
TOLERANCE TO SHADOWING High	TOLERANCE TO THE DRY SEASON High
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Continuous or Rotate
POTENTIAL QUALITY* Medium to high	POTENTIAL PRODUCTIVITY* 10-25 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle and Sheep/Carpinus	OTHER USES Deferment and Vegetation
ROTATE ENTRY HEIGHT 40 cm	ROTATE EXIT HEIGHT 15 to 25 cm

"BRACHIARIA BRIZANTHA CV. BRS PAIAGUÁS

CHARACTERISTICS	
ADVANTAGES Good production of leaves in the dry season and use in integrated systems	DISADVANTAGES Susceptible to leafhoppers
GROWTH Decumbent	FERTILITY DEMANDING Medium to high
TOLERANCE TO SHADOWING High	TOLERANCE TO THE DRY SEASON High
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Continuous or Rotate
POTENTIAL QUALITY* Medium to high	POTENTIAL PRODUCTIVITY* 10-20 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle and Sheep/Carpinus	OTHER USES Deferment and Vegetation
ROTATE ENTRY HEIGHT 40 cm	ROTATE EXIT HEIGHT 15 to 25 cm

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

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BRACHIARIA BRIZANTHAT CV. BRS PIATÃ

CHARACTERISTICS	
ADVANTAGES Good strategy for integrated systems, high rooting and production of dry matter	DISADVANTAGES Intolerant to soaked soils and susceptible to leafhopper Mahanarva spp.
GROWTH Caespitosus	FERTILITY DEMANDING Medium to high
TOLERANCE TO SHADOWING High	TOLERANCE TO THE DRY SEASON High
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Continuous or Rotate
POTENTIAL QUALITY* Medium to high	POTENTIAL PRODUCTIVITY* 10-25 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle and Sheep/Carpinus	OTHER USES Deferment and Vegetation
ROTATE ENTRY HEIGHT 40 cm	ROTATE EXIT HEIGHT 15 to 25 cm

BRACHIARIA BRIZANTHA CV. XARAÉS

CHARACTERISTICS	
ADVANTAGES High production of dry matter/regrowth and good adaptation to humid soils	DISADVANTAGES High handling demanding
GROWTH Caespitosus	FERTILITY DEMANDING Medium to high
TOLERANCE TO SHADOWING Medium	TOLERANCE TO THE DRY SEASON Medium
TOLERANCE TO TEMPORARY SOAKING Medium	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* Medium to high	POTENTIAL PRODUCTIVITY* 10-30 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle	OTHER USES Vegetation
ROTATE ENTRY HEIGHT 40 cm	ROTATE EXIT HEIGHT 15 to 25 cm

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

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BRACHIARIA DECUMBENS CV. BASILISK

CHARACTERISTICS	
ADVANTAGES Good coverage of soil and adaptation of acid soils	DISADVANTAGES Susceptible to leafhoppers and photosensitivity.
GROWTH Decumbent	FERTILITY DEMANDING Adapted to acid and pool soils
TOLERANCE TO SHADOWING Medium	TOLERANCE TO THE DRY SEASON High
TOLERANCE TO TEMPORARY SOAKING Medium	GRAZING SYSTEM RECOMMENDED Continuous or Rotate
POTENTIAL QUALITY* Medium	POTENTIAL PRODUCTIVITY* 10-20 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle (except calf)	OTHER USES Hay, Deferment and Vegetation
ROTATE ENTRY HEIGHT 30 cm	ROTATE EXIT HEIGHT 15 to 25 cm

BRACHIARIA HUMIDICOLA CV. TULLY (HUMIDICOLA COMUM)

CHARACTERISTICS	
ADVANTAGES High tolerance to soaked and low fertility soils	DISADVANTAGES Low nutritional quality
GROWTH Stoloniferous	FERTILITY DEMANDING Adapted to acid and pool soils
TOLERANCE TO SHADOWING Medium	TOLERANCE TO THE DRY SEASON High
TOLERANCE TO TEMPORARY SOAKING High	GRAZING SYSTEM RECOMMENDED Continuous or Rotate
POTENTIAL QUALITY* Low	POTENTIAL PRODUCTIVITY* 5-15 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle	OTHER USES Deferment
ROTATE ENTRY HEIGHT 20 cm	ROTATE EXIT HEIGHT 5 to 10 cm

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

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BRACHIARIA HUMIDICOLA CV. LLANERO (DICTYONEURA)

CHARACTERISTICS	
ADVANTAGES Tolerance to soaked and low fertility soils	DISADVANTAGES Low nutritional quality
GROWTH Stoloniferous	FERTILITY DEMANDING Adapted to acid and pool soils
TOLERANCE TO SHADOWING Medium	TOLERANCE TO THE DRY SEASON Medium
TOLERANCE TO TEMPORARY SOAKING High	GRAZING SYSTEM RECOMMENDED Continuous or Rotate
POTENTIAL QUALITY* Low	POTENTIAL PRODUCTIVITY* 5-15 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle	OTHER USES Deferment
ROTATE ENTRY HEIGHT 20 cm	ROTATE EXIT HEIGHT 5 to 10 cm

BRACHIARIA RUZIZIENSIS

CHARACTERISTICS	
ADVANTAGES High nutritional value adapted to integrated systems	DISADVANTAGES Susceptible to leafhoppers and fertility demanding
GROWTH Decumbent	FERTILITY DEMANDING High
TOLERANCE TO SHADOWING Medium	TOLERANCE TO THE DRY SEASON Medium
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* High	POTENTIAL PRODUCTIVITY* 10-20 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle, Sheep, and Caprinae	OTHER USES Hay, Deferment and Vegetation
ROTATE ENTRY HEIGHT 30 cm	ROTATE EXIT HEIGHT 15 to 25 cm

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

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BRACHIARIA HÍBRIDA
(B.RUZIZIENSIS X B. BRIZANTHA) - BRS IPYPORÃ NEW

CHARACTERISTICS	
ADVANTAGES Resistance to leafhoppers and high nutritional value	DISADVANTAGES High fertility demanding
GROWTH Caespitosus	FERTILITY DEMANDING High
TOLERANCE TO SHADOWING Under study	TOLERANCE TO THE DRY SEASON Medium
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* High	POTENTIAL PRODUCTIVITY* 10-20 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle, Sheep, and Caprinae	OTHER USES Hay, Deferment and Vegetation
ROTATE ENTRY HEIGHT 30 cm	ROTATE EXIT HEIGHT 15 cm

PANICUM MAXIMUM CV. ARUANA

CHARACTERISTICS	
ADVANTAGES High pasture efficiency	DISADVANTAGES High fertility and handling demanding
GROWTH Caespitosus	FERTILITY DEMANDING Very High
TOLERANCE TO SHADOWING High	TOLERANCE TO THE DRY SEASON Low
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* High	POTENTIAL PRODUCTIVITY* 15-20 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle, Equidae, Sheep, and Caprinae	OTHER USES Hay and Deferment
ROTATE ENTRY HEIGHT 25 to 30 cm	ROTATE EXIT HEIGHT 15 to 20 cm

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

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PANICUM MAXIMUM X P. INFESTUM CV. MASSAI

CHARACTERISTICS	
ADVANTAGES Handling facility, fast regrowth and medium nutritional demanding	DISADVANTAGES Susceptible to some large leaf herbicides, such as 2,4-D
GROWTH Caespitosus	FERTILITY DEMANDING Medium to high
TOLERANCE TO SHADOWING High	TOLERANCE TO THE DRY SEASON Medium
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* Medium to high	POTENTIAL PRODUCTIVITY* 15-20 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle, Equidae, Sheep, and Caprinae	OTHER USES Hay and Deferment
ROTATE ENTRY HEIGHT 50 to 60 cm	ROTATE EXIT HEIGHT 20 to 25 cm

PANICUM MAXIMUM CV. MOMBAÇA

CHARACTERISTICS	
ADVANTAGES High productivity of dry matter and quality	DISADVANTAGES High fertility and handling demanding
GROWTH Caespitosus	FERTILITY DEMANDING Very High
TOLERANCE TO SHADOWING Medium	TOLERANCE TO THE DRY SEASON Low
TOLERANCE TO TEMPORARY SOAKING Medium	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* High	POTENTIAL PRODUCTIVITY* 15-40 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle and Equidae	OTHER USES Silage
ROTATE ENTRY HEIGHT 80 to 90 cm	ROTATE EXIT HEIGHT 30 to 40 cm

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

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PANICUM MAXIMUM CV. BRS QUÊNIA *NEW*

CHARACTERISTICS	
ADVANTAGES Handling facility, high productivity and quality	DISADVANTAGES High fertility demanding
GROWTH Caespitosus	FERTILITY DEMANDING Very High
TOLERANCE TO SHADOWING Under study	TOLERANCE TO THE DRY SEASON Low
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* High	POTENTIAL PRODUCTIVITY* 15-30 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle and Equidae	OTHER USES Silage
ROTATE ENTRY HEIGHT 70 cm	ROTATE EXIT HEIGHT 30 cm

PANICUM MAXIMUM CV. BRS TAMANI *NEW*

CHARACTERISTICS	
ADVANTAGES High quality and good soil coverage	DISADVANTAGES High fertility demanding
GROWTH Caespitosus	FERTILITY DEMANDING Very High
TOLERANCE TO SHADOWING Under study	TOLERANCE TO THE DRY SEASON Low
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* High	POTENTIAL PRODUCTIVITY* 15-20 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle, Equidae, Sheep, and Caprinae	OTHER USES Hay and Deferment
ROTATE ENTRY HEIGHT 55 to 60 cm	ROTATE EXIT HEIGHT 20 to 25 cm

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

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PANICUM MAXIMUM CV. TANZÂNIA

CHARACTERISTICS	
ADVANTAGES High productivity of dry matter and good quality	DISADVANTAGES Susceptible to stain of Bipolaris spp.
GROWTH Caespitosus	FERTILITY DEMANDING Very High
TOLERANCE TO SHADOWING Medium	TOLERANCE TO THE DRY SEASON Low
TOLERANCE TO TEMPORARY SOAKING Medium	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* High	POTENTIAL PRODUCTIVITY* 15-30 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle and Equidae	OTHER USES Silage
ROTATE ENTRY HEIGHT 70 cm	ROTATE EXIT HEIGHT 25 to 35 cm

PANICUM MAXIMUM CV. BRS ZURI *NEW*

CHARACTERISTICS	
ADVANTAGES More resistance to foliar fungi. High quality and production of dry matter.	DISADVANTAGES High fertility and handling demanding
GROWTH Caespitosus	FERTILITY DEMANDING Very High
TOLERANCE TO SHADOWING Under study	TOLERANCE TO THE DRY SEASON Low
TOLERANCE TO TEMPORARY SOAKING Medium	GRAZING SYSTEM RECOMMENDED Rotate
POTENTIAL QUALITY* High	POTENTIAL PRODUCTIVITY* 15-35 inch dry matter/ha/year
ANIMAL CATEGORY RECOMMENDED Cattle and Equidae	OTHER USES Silage
ROTATE ENTRY HEIGHT 70 to 75 cm	ROTATE EXIT HEIGHT 30 to 40 cm

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

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STYLOSANTHES MACROCEPHALA X S. CAPITATA CV CAMPO GRANDE

CHARACTERISTICS	
ADVANTAGES Biological nitrogen fixation	DISADVANTAGES Intolerant soaked and clay soils
GROWTH Erect	FERTILITY DEMANDING Medium
TOLERANCE TO SHADOWING Good	TOLERANCE TO THE DRY SEASON Medium
TOLERANCE TO TEMPORARY SOAKING Low	GRAZING SYSTEM RECOMMENDED Continuous or Rotate
POTENTIAL QUALITY* High	POTENTIAL PRODUCTIVITY* 8-14 inch dry matter/ha/year (single) 3-6 inch (intercropped)3-6 inch (intercropped)
ANIMAL CATEGORY RECOMMENDED Cattle	OTHER USES Protein bank
ROTATE ENTRY HEIGHT -	ROTATE EXIT HEIGHT -

Sources: Miles, et al, 2004; Muir e Jank, 2004; Jank, et al, 2013; Difante, et al, 2014); IZ, 2009, Paciullo et al, 2011; Souza, 2007; Euclides et al, 2008; Moura 2010; Veras 2007; www.embrapa.br.

*such values or indexes change according to the pasture handling, soil fertility, and weather conditions.