

Pasture and Hayland Suitability Group – 1C

Soil Group Description

Marsh and swamp soils with clayey or mucky surface layers. Poorly drained clay or muck soils of high natural fertility that are protected by levees and pump-off systems.

Slope

Most slopes are 0-1%.

Management Interpretations

Fertilizer is needed on improved pasture. Equipment use and grazing is limited at times due to soil texture and wetness.

Adapted Grasses and Legumes

Common bermuda and bahia are the better adapted warm season perennials. White clover is also adapted. Without fertilization, these soils will normally support a cover of knotroot bristlegrass, longtom, seashore paspalum, and bermudagrass. When grazed continually or in rotation where rest periods are less than 8 weeks, bermudagrass will normally dominate the site. Where water level is maintained at +1 to -1, longtom will normally dominate.

Production Estimates – Use production estimates to determine the annual or seasonal amount of forage available for grazing. The harvest efficiency has been predetermined, thus forage production reflects the total amount of forage available for grazing, not the total amount of forage. The production table on page 2 shows the estimated yield for common forages grazed in Louisiana. Not all forages are depicted in the table. The yield is shown as pounds/acre and AUMs/acre for north and south Louisiana. North La. represents the parishes north of Vernon, Rapides, and Avoyelles parishes. South La. represents the parishes south of Vernon, Rapides, and Avoyelles northern boundary.

Reference Information

N rate – Low (**L**) =33-66, Medium (**M**) =100-200, High (**H**) =200-300, Very High (**VH**) =300+

1 Animal Unit Month (AUM) = 790 lbs.

1 Animal Unit Day (AUD) = 26 lbs.

1 Animal Unit Year (AUY) = 9490 lbs.

12 AUM/Acre=1 acre/animal unit

6 AUM/Acre=2 acres/animal unit

4 AUM/Acre=3 acres/animal unit

3 AUM/Acre=4 acres/animal unit

2 AUM/Acre=6 acres/animal unit

Production Estimates – North & South LA Tables

Growth Curves - % per Month

Crop	N	#'s/Acre North LA	AUM's /Acre North LA	#'s/Acre South LA	AUM's /Acre South LA	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Common Bermudagrass and White clover	0			8,769	11.1	0	0	5	15	23	23	17	11	4	2	0	0
Common Bermudagrass	M			8,137	10.3	0	0	0	3	15	32	31	12	5	2	0	0
Common Bermudagrass	L			6,557	8.3	0	0	0	3	15	32	31	12	5	2	0	0
Bahiagrass	L			6,320	8.0	0	0	0	5	15	24	27	17	10	2	0	0
Bahiagrass	0			5,846	7.4	0	0	0	5	15	24	27	17	10	2	0	0
Bahiagrass and White Clover	0			6,873	8.7	0	0	5	15	23	23	17	11	4	2	0	0