

Pasture and Hayland Suitability Group – 1B

Soil Group Description

Bottomland soils with mostly clayey or loamy surface layers. These soils have high or medium natural fertility and are subject to damaging overflows. Flooding is frequent with very brief to very long duration, or it is occasional with long or very long duration.

Slope

0-3% slopes. Most slopes are 0-1%. Only a few soils occur on 1-3% slopes.

Management Interpretations

It is not practical to apply high rates of fertilizer due to the overflow hazard. All soils need nitrogen fertilization for production when grasses are grown alone. These soils have severe limitations due to the frequency and/or duration of flooding which normally occurs from December through June. Adapted species are limited.

Adapted Grasses and Legumes

Common Bermuda is the better adapted grass on these soils. On many of these soils it is the only species that can be used.

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	M	3,397	4.3	4,187	5.3	0	0	0	3	15	32	31	12	5	2	0	0
Common Bermudagrass	L	2,765	3.5	3,397	4.3	0	0	0	3	15	32	31	12	5	2	0	0
Common Bermudagrass	0	1,975	2.5	2,528	3.2	0	0	0	3	15	32	31	12	5	2	0	0