Pasture and Hayland Suitability Group – 16A

Soil Group Description

Organic soils. These soils have been protected by levees and pump-off systems. They are aid and high in nitrogen

Slope

Slope may be from 0-1%

Management Interpretations

Nitrogen is needed on all soils for grasses grown alone. Some soils have adequate levels of phosphorus, calcium, and potassium for pasture production and do not need a complete fertilizer or lime. Lime usually will not be needed for grasses. Apply lime as need is shown by calcium level on soil analysis

Adapted Grasses and Legumes

Where water has been removed these soils will support a good cover of bermudagrass, Paille fine, rushes and sedges. The amount of Paille fine will depend on the degree of drainage. Under normal conditions it usually requires 2 to 4 acres to produce enough forage for animal unit yearlong. Periodic brush control is needed to keep area from reverting to woodland.

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

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	0			9,085	11.5	0	0	0	10	25	25	20	13	5	2	0	0
Dallisgrass	0			7,742	9.8	0	0	0	10	18	20	22	16	11	3	0	0
Sorghum-Sudan	0			7,900	10.0	0	0	0	0	0	15	25	35	25	0	0	0
Ryegrass and Oats	0			8,216	10.4	3	3	20	25	30	0	0	0	0	0	11	8