

Pasture and Hayland Suitability Group – 1A

Soil Group Description

Deep, poorly drained, clayey bottomland soils with clayey surface layers. Natural fertility is medium to high.

Slope

0-8% slopes. Most slopes are 0-3%. Only a few soils occur on 3-8% slopes.

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

These soils are the better adapted soils for tall fescue. Hybrid bermudagrass, common bermudagrass, dallisgrass, Pensacola bahia, and johnsongrass are the better adapted warm season perennials. White clover, vetch, winter peas and red clover are adapted cool season legumes.

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.
Hybrid Bermudagrass	VH	11,750	14.9	12,324	15.6	0	0	0	8	26	27	19	13	5	2	0	0
Hybrid Bermudagrass	H	9,954	12.6	10,349	13.1	0	0	0	8	26	27	19	13	5	2	0	0
Hybrid Bermudagrass	M	8,137	10.3	8,453	10.7	0	0	0	8	26	27	19	13	5	2	0	0
Hybrid Bermudagrass and White clover	L	10,112	12.8	10,665	13.5	0	0	4	12	24	25	18	12	4	1	0	0
Hybrid Bermudagrass and White clover	O	8,532	10.8	8,927	11.3	0	0	4	12	24	25	18	12	4	1	0	0
Common Bermudagrass and White clover	L	7,979	10.1	8,295	10.5	0	0	5	15	23	23	17	11	4	2	0	0
Common Bermudagrass and White clover	O	6,873	8.7	7,189	9.1	0	0	5	15	23	23	17	11	4	2	0	0
Common Bermudagrass	M	6,400	8.1	6,789	6.9	0	0	0	3	15	32	31	12	5	2	0	0
Common Bermudagrass	L	6,000	7.5	6,400	8.1	0	0	0	3	15	32	31	12	5	2	0	0
Johnsongrass	VH	10,586	13.4	11,139	14.1	0	0	0	8	26	27	19	13	5	2	0	0
Johnsongrass	H	9,085	11.5	9,559	12.1	0	0	0	8	26	27	19	13	5	2	0	0
Johnsongrass	M	5,767	7.3	6,083	7.7	0	0	0	8	26	27	19	13	5	2	0	0
Ryegrass and oats	H	7,505	9.5	7,900	10.0	3	3	20	25	30	0	0	0	0	0	11	8
Ryegrass and oats	M	5,372	6.8	5,609	7.1	3	3	20	25	30	0	0	0	0	0	11	8
Tall Fescue and White clover	L	8,611	10.9			3	3	15	16	25	0	0	0	0	14	13	11
Tall Fescue and White clover	O	6,952	8.8			3	3	15	16	25	0	0	0	0	14	13	11
Dallisgrass and White Clover	L	7,584	9.6	7,900	10.0	0	0	6	17	18	17	17	15	8	2	0	0
Dallisgrass and White Clover	O	6,478	8.2	6,794	8.6	0	0	6	17	18	17	17	15	8	2	0	0
Bahiagrass and White Clover	L	8,137	10.3	8,611	10.9	0	0	5	15	23	23	17	11	4	2	0	0
Bahiagrass and White Clover	O	7,031	8.9	7,584	9.6	0	0	5	15	23	23	17	11	4	2	0	0
Bahiagrass	L	7,737	9.7	8,111	10.2	0	0	0	5	15	24	27	17	10	2	0	0
Bahiagrass	O	6,631	6.8	7,084	8.9	0	0	0	5	15	24	27	17	10	2	0	0
Sorghum-Sudan	M	7,900	10.0	8,295	10.5	0	0	0	0	0	15	25	35	25	0	0	0