

## **Pasture and Hayland Suitability Group – 8I**

### **Soil Group Description**

Upland and terrace soils with silty surface layers and subsoils. Poorly drained and somewhat poorly drained, droughty, alkaline soils that have a concentration of sodium in the subsoil. Natural fertility is low or medium.

### **Slope**

0-3% slopes. Most slopes are 0-1%.

### **Management Interpretations**

Fertilizer is needed on improved pastures. Usually the calcium level in these soils is adequate for legumes. These soils have poor physical condition and very slow movement of moisture into the soil. They remain wet on the surface after rain. Surface drainage may be needed in lows.

### **Adapted Grasses and Legumes**

Common bermudagrass is probably the better adapted warm seasonal perennial. The adapted cool season legumes are white clover, winter peas, and vetch. Without fertilization, these soils usually support a fair cover of Pinehill bluestem, paspalums, threeawns, and carpetgrass. Periodic brush control is needed to prevent it 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**

**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	L	4,345	5.5	5,135	6.5	0	0	5	15	23	23	17	11	4	2	0	0
Common Bermudagrass and White clover	0	3,397	4.3	4,266	5.4	0	0	5	15	23	23	17	11	4	2	0	0
Common Bermudagrass	M	3,081	3.9	4,187	5.3	0	0	0	3	15	32	31	12	5	2	0	0
Common Bermudagrass	L	2,449	3.1	3,397	4.3	0	0	0	3	15	32	31	12	5	2	0	0
Common Bermudagrass	0	1,817	2.3	2,528	3.2	0	0	0	3	15	32	31	12	5	2	0	0
Bahia	M	4,424	5.6	4,661	5.9	0	0	0	3	15	32	31	12	5	2	0	0
Bahia	L	3,792	4.8	4,029	5.1	0	0	0	3	15	32	31	12	5	2	0	0
Bahia	0	2,370	3.0	2,449	3.1	0	0	0	3	15	32	31	12	5	2	0	0
Bahiagrass and White Clover	L	5,372	6.8	5,767	7.3	0	0	5	15	23	23	17	11	4	2	0	0
Bahiagrass and White Clover	0	4,187	5.3	4,582	5.8	0	0	5	15	23	23	17	11	4	2	0	0