

## **Pasture and Hayland Suitability Group – 2B**

### **Soil Group Description**

Bottomland soils with mostly loamy surface layers. Mainly small stream bottom land soils that have low or medium natural fertility and are subject to frequent overflow. The duration of flooding generally is very brief or brief, but it range to very long.

### **Slope**

0-5% slopes. Most slopes are 0-1%. A few are gently undulating or undulating.

### **Management Interpretations**

Fertilizer is needed on improved pastures. Legumes require higher phosphorus and potassium levels than grasses, and lime may be needed for legumes such as white clover. Peas and vetch will tolerate fairly acid soil conditions. However, to prevent excessive subsoil acidity when high rates of acidifying nitrogen fertilizer is used, the surface soil should not be allowed to become more acid than 5.0 pH and lime should be applied at more frequent intervals. Maintain a pH range of 5.2 to 5.7 for the species shown. The overflow hazard may make establishment difficult. Select species that will be tolerant to some flooding. Common bermudagrass and bahia will tolerate more flooding than other species

### **Adapted Grasses and Legumes**

Common bermuda, singletary peas and vetch are the better adapted grass on these soils. Where the overflow hazard is not too severe, fescue, and white clover can be grown.

**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	4,266	5.4	4,819	6.1	0	0	0	3	15	32	31	12	5	2	0	0
Common Bermudagrass	L	3,476	4.4	3,950	5.0	0	0	0	3	15	32	31	12	5	2	0	0
Common Bermudagrass and White clover	L	4,819	6.1	5,767	7.3	0	0	5	15	23	23	17	11	4	2	0	0
Common Bermudagrass and White clover	0	3,871	4.9	4,661	5.9	0	0	5	15	23	23	17	11	4	2	0	0
Tall Fescue and White clover	L	4,740	6.0			3	3	15	16	25	0	0	0	0	14	13	11
Tall Fescue and White clover	0	3,160	4.0			3	3	15	16	25	0	0	0	0	14	13	11
Bahiagrass	M	6,083	7.7	7,031	8.9	0	0	0	5	15	24	27	17	10	2	0	0
Bahiagrass	L	5,214	6.6	6,162	7.8	0	0	0	5	15	24	27	17	10	2	0	0
Bahiagrass and White Clover	L	6,241	7.9	7,268	9.2	0	0	5	15	23	23	17	11	4	2	0	0
Bahiagrass and White Clover	0	5,372	6.8	6,636	8.4	0	0	5	15	23	23	17	11	4	2	0	0