GRASSLAND CONDITION

TEAM NAME: _____ STUDENT NAME: _____ SCORE: _____ POINTS: 100

APPRAISAL OF EXISTING CONDITIONS

(5 points each)

_____ **1.** What is the pasture type by percent dry matter?

A. Fescue (>90% fescue)
B. Cool-season grasses (<10% legumes)
C. Cool-season grasses (10-25% legumes or other grasses)
D. Cool-season grasses (26-60% legume)
E. Legumes dominant (>75% legume)
F. Warm-season grasses (<40% other species)

_____ **2.** What is the average growth stage of the dominant forage species?

A. Vegetative
B. Boot or bud
C. Heading or bloom
D. Mature
E. Dormant

_____ **3.** What best describes the condition of the pasture sward?

A. Spot grazed
B. Evenly grazed

_____ **4.** Is weed or brush control needed other than by grazing or soil fertility management?

A. Yes
B. No

_____ **5.** What soil pH range is recommended for this sward?

A. 4.0 - 4.5
B. 4.6 - 5.0
C. 5.1 - 5.5
D. 5.6 - 6.5
E. 6.6 - 7.0
F. 7.1 - 7.5

6. What fertilizer option is recommended for this pasture?

_____ N (Lbs/Ac) _____ P_2O_5 (Lbs/Ac) _____ K_2O (Lbs/Ac)

7. What limestone rate is recommended for this pasture in tons per acre?

_____Tons/Ac

MATCHING LIVESTOCK AND FORAGE

(4 points for each answer space)

_____ **1.** When does this livestock herd have the highest forage quality requirement?

A. Spring
B. Summer
C. Fall
D. Winter
E. Requirement high year round

_____ **2.** Does this pasture's growth cycle match the seasonal peak nutritional needs of this livestock herd under present management?

A. Yes
B. No

3. How many pounds of forage dry matter does this herd need to consume per day in:

_____ lbs. in spring (4 pts.) _____ lbs. in summer (4 pts.)

_____ lbs. in fall (4 pts.) _____ lbs. in winter (4 pts.)

4. Is forage availability adequate for this herd in:

Spring - 100 days (4 pts.)
_____ Adequate
_____ Not Adequate

Summer - 100 days (4 pts.)
_____ Adequate
_____ Not Adequate

Fall - 100 days (4 pts.)
_____ Adequate
_____ Not Adequate

Winter - 65 days (4 pts.)
_____ Adequate
_____ Not Adequate

COMPLETE QUESTIONS ON REVERSE SIDE

PASTURE IMPROVEMENT

(Answers to questions 3, 4 and 5 for this section are based on the choice for question Number 2)

(5 points each)

_____ 1. What change should be made in livestock management?
- A. Continue present management
- B. Reduce livestock numbers
- C. Change calving season to a different time of year
- D. Shorten calving season to a period of < 90 days
- E. Provide higher quality pasture
- F. Switch to a management-intensive rotational grazing system

_____ 2. What type of additional forage is needed to improve this forage program?
- A. Cool-season grass
- B. Warm-season grass
- C. Legumes
- D. No additional forages needed - use existing pasture

_____ 3. How should this forage be planted?
- A. Plant on clean, firm seedbed
- B. No-till plant in killed sod
- C. Overseed or interseed in a closely grazed sod
- D. No additional forages needed - use existing pasture

4. What fertilizer option is recommended for this forage?

_____ N (Lbs/Ac) _____ P_2O_5 (Lbs/Ac) _____ K_2O (Lbs/Ac)

5. What limestone rate is recommended for this forage in tons per acre?

_____Tons/Ac