

# GRASSLAND CONDITIONS

TEAM NAME: \_\_\_\_\_

STUDENT NAME: \_\_\_\_\_

SCORE: \_\_\_\_\_

POINTS: 100

## APPRAISAL OF EXISTING CONDITIONS

( 5 points each )

- \_\_\_\_\_ 1. What is the pasture type?
- A. Fescue ( >90% fescue )
  - B. Cool-season grasses (<10% legume or other grasses)
  - C. Cool-season grasses ( 10-25% legume )
  - D. Cool-season grasses ( 26-60% legume )
  - E. Legumes dominant ( >75% legume )
  - F. Warm-season grasses ( <25% 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?
- \_\_\_\_\_ 7. What limestone rate is recommended for this pasture in tons per acre?

## MATCHING LIVESTOCK AND FORAGE

( 5 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 pound of forage dry matter does this herd need to consume per day in:
- \_\_\_\_\_ lbs. in spring (5 pts.)      \_\_\_\_\_ lbs. in summer (5 pts.)
- \_\_\_\_\_ lbs. in fall (5 pts.)      \_\_\_\_\_ lbs. in winter
- \_\_\_\_\_ 4. Is forage availability adequate for this herd in:
- Spring - 100 days (5 pts.)
- \_\_\_\_\_ Adequate      \_\_\_\_\_ Not adequate
- Summer - 100 days (5 pts.)
- \_\_\_\_\_ Adequate      \_\_\_\_\_ Not adequate
- Fall - 100 days (5 pts.)
- \_\_\_\_\_ Adequate      \_\_\_\_\_ Not adequate
- Winter - 65 days (5 pts.)
- \_\_\_\_\_ Adequate      \_\_\_\_\_ Not adequate

COMPLETE QUESTIONS ON REVERSE SIDE

## PASTURE IMPROVEMENT

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\_\_\_\_\_ 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 a period of < 90 days
- E. Provide higher quality pasture for heifers and steers
- 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?

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