



5/5

**2<sup>ND</sup> SEM. 2004/2005**

**Page 1 of 2**

**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTUR APH  
OPTIONS YEAR 4  
LWM OPTION YEAR IV**

**COURSE CODE: APH 401 /**

**TITLE OF PAPER: PASTURE AND FODDER MANAGEMNT**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY THE CHIEF INVIGILATOR.**

**QUESTION 1**

*Lolium perenne* is one common winter pasture used in dairy production in Swaziland. Discuss those factors that influence its germination and establishment.

(25 Marks)

**QUESTION 2**

Describe how you could improve the quality and utilization of

- a) Hay (12.5 Marks)
- b) Silage (12.5 Marks)

**QUESTION 3**

With schematic presentation show and explain the fermentation process in the making of silage.

(25 Marks)

**QUESTION 4**

Explain the circumstances under which you would recommend a mixed pasture rather than a single pasture species. Explain your recommendation for grass-grass mixture and grass-legume mixture separately.

(25 Marks)

**QUESTION 5**

- a) Rotational grazing is a common and beneficial practice in cultivated pasture. Discuss this concept and highlight its merits and demerits. (12.5 Marks)
- b) Describe the factors that influence the nutritive value of pasture plants (12.5 Marks)