



**UNIVERSITY OF SWAZILAND**  
**SUPPLIMENTARY EXAMINATION PAPER**

**2ND SEMESTER 2014/2015**

**PROGRAMME: BACHELOR OF SCIENCE IN AGRONOMY YEAR FOUR (4)**

**COURSE CODE: CP 407**

**TITLE OF PAPER: SUGARCANE**

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

**INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS**

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THE CHIEF INVIGILATOR**

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**QUESTION 1.**

- a) What are the advantages and disadvantages of not burning trash in post-harvest management of a sugarcane field? (15 marks)
- b) When is it advisable to trash? (10 marks)

**[25 Marks]**

**QUESTION 2.**

Overhead irrigation is the method whereby water under pressure in pipes is distributed through sprinklers, in droplet form, over a given area of crop or land.

Describe the four (4) portable overhead irrigation systems used in sugarcane production.

**[25 Marks]**

**QUESTION 3.**

- a) List any four varieties of sugarcane grown in the Swaziland. (5 marks)
- b) What are the key requirements that must be met by a grower wishing to establish a sugarcane growing operation in Swaziland? (15 marks)
- c) Why is the distance to the mill an important consideration when making a decision to grow sugarcane? (5 marks)

**[25 Marks]**

**QUESTION 4.**

- a) Discuss the objectives of sugarcane harvesting. (10 marks)
- b) List and discuss the criteria used to enable the harvesting of sugarcane cane at the right time and adopting proper procedures. (15 marks)

**[25 Marks]**

**QUESTION 5**

- a) List and discuss the five factors conducive for disease development in sugarcane production? (10 marks)
- b) Discuss the five principles of disease control in sugarcane. (15 marks)

**[25 Marks]**