



SUPPLEMENTARY 2009/2010

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN AEM, LWM & AGRIC. EDUCATION YEAR III

COURSE CODE: HORT 306

TITLE OF PAPER: FRUIT AND VEGETABLE CROP PRODUCTION

TIME ALLOWED: TWO [2] HOURS

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS

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INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**QUESTION 1**

Soil management is an important practice in orchard management. Discuss the advantages and disadvantages of the following systems of orchard floor management techniques:

- a) Mulching (15 marks)
 - b) Use of herbicides (10 marks)
- [25 marks]**

QUESTION 2

The banana (*Musa* spp L) is an important fruit in Swaziland. Discuss the production culture of the crop.

[25 marks]

QUESTION 3

Discuss the following crop management techniques as applicable to tomato (*Lycopersicon esculentum* L) production:

- a) Trellising (8 marks)
- b) Pruning (8 marks)
- c) Harvesting (9 marks)

[25 marks]

QUESTION 4

'Bolting' is a major problem affecting the productivity of the otherwise popular leafy mustard (*Brassica juncea* L.). Discuss some of the possible measure that may be taken to alleviate this problem.

[25 marks]

QUESTION 5

List eight known plant growth regulators to date and their brief involvement in plant growth. (12 marks)

Discuss the benefits of application of 'ProGibb' on the following fruit crop species:

- a) Grape (3 marks)
- b) Citrus (4 marks)
- c) Banana (3 marks)
- d) Cherries (3 marks)

[25 marks]