



**FINAL EXAMINATION 2014/2015**

**PAGE 1 OF 3**

**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME: BACHELOR OF SCIENCE IN ABE YEAR III, AEE YEAR III AND AEM YEAR III**

**COURSE CODE: HORT 306**

**TITLE OF PAPER: FRUIT AND VEGETABLE PRODUCTION**

**TIME ALLOWED: TWO [2] HOURS**

**INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS.**

**DO NOT OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR**

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

- a) What is the main objective of orchard floor management? (1 mark)  
 b) List four (4) advantages and two (2) disadvantages associated with each orchard floor management tool by completing the table below: (24 marks)

Advantages and disadvantages of orchard floor management strategies.		
Tool	Advantages (any 4 in each category)	Disadvantages (any 2 in each category)
Biological control		
Permanent sod		
Chemical (herbicides)		

[25 marks]

**QUESTION 2**

Discuss the pollination problems and possible remedies of vegetable crops as follows:

- a) No blossom (7 marks)  
 b) Fruit shrivelling (10 marks)  
 c) Plant stress (8 marks)

[25 marks]

**QUESTION 3**

Discuss the production of Swiss chard (*Beta vulgaris* var *cicla* L.) using these guidelines:

- a) Climatic requirements (8 marks)  
 b) Seeding and spacing (8 marks)  
 c) Irrigation (4 marks)  
 d) Fertilization (5 marks)

[25 marks]

**QUESTION 4**

Discuss the production of onion (*Allium cepa* L) using the following:

- a) Onion sets (10 marks)
- b) Irrigation (5 marks)
- c) Harvesting (10 marks)

[25 marks]

**QUESTION 5**

Discuss the importance of the following factors in the establishment of a vegetable enterprise:

- a) Labour (8 marks)
- b) Transport (7 marks)
- c) Marketing (10 marks)

[25 marks]