



2ND SEM. 2004/2005

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE
YEAR 5 (HORTICULTURE OPTION)**

COURSE CODE: HORT 507

TITLE OF PAPER: HORTICULTURAL CROP PROTECTION

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER QUESTION ONE (1), WHICH IS A
COMPULSORY QUESTION, AND ANY OTHER
THREE (3) QUESTIONS OF YOUR CHOICE**

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BY THE CHIEF INVIGILATOR**

INSTRUCTIONS:-**ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3)****QUESTION 1**

(This question is compulsory)

Draw a table similar to this one below and then proceed to fill in the spaces provided:-

Order	Economically important Family	Economically important pest in the Family listed in the previous column	Horticultural pest affected by the pest and the damage caused
1. Orthoptera			
2. Isoptera			
3. Hemiptera (Homoptera)			
4. Hemiptera (Heteroptera)			
5. Thysanoptera			
6. Lepidoptera			
7. Diptera			
8. Hymenoptera			
9. Coleoptera			
10. Acari			

[40 Marks]

QUESTION 2

Nematodes are so important economically as crop pests in horticultural crop production that no serious horticultural production can be undertaken without considering strategies for their control. Justify this statement.

[20 Marks]

QUESTION 3

Mite pests can be a very serious threat to horticultural production. Discuss this including reasons why they are of particular significance in horticultural production as opposed to field crop production.

[20 Marks]

QUESTION 4

What is phytosanitary crop protection? Why is it of particular importance and significance in horticultural production.

[20 Marks]

QUESTION 5

Discuss the importance and significance of dipterous crop pests in horticultural production.

[20 Marks]