



SUPPLEMENTARY 2004/2005

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE
YEAR 4 (CROP PRODUCTION AND
HORTICULTURE OPTIONS) AND BACHELOR
OF SCIENCE IN AGRICULTURAL EDUCATION
YEAR 4

COURSE CODE: CP 405

TITLE OF PAPER: AGRICULTURAL ENTOMOLOGY

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER QUESTION 1, WHICH IS
COMPULSORY AND ANY OTHER THREE (3)
QUESTIONS

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BY THE CHIEF INVIGILATOR**

INSTRUCTIONS:- ANSWER QUESTION ONE AND ANY OTHER THREE QUESTIONS

QUESTION 1

(This question is compulsory)

The most important taxa (Orders) as agricultural crop pests in southern Africa are as follows:- Lepidoptera, Hemiptera (Homoptera), Coleoptera, Diptera, Orthoptera, Hemiptera (Heteroptera), Thysanoptera, Acari, Hymenoptera and Isoptera. Name a pest in EACH of these Orders as well as the Family in which EACH belongs, the crop attacked as well as the damage caused.

[40 Marks]

QUESTION 2

Briefly explain how and why the nematodes are economically important in agricultural production. In your discussion include at least FIVE nematodes that are economically important as well as why they are economically important.

[20 Marks]

QUESTION 3

Name any agricultural crop pests that are not insects, nematodes or arachnids. Explain why these are economically important and also include FIVE examples of these.

[20 Marks]

QUESTION 4

Give names of at least FIVE Orders that are beneficial in agricultural production. Give the name of at least ONE Family in each Order listed and also explain how and why this Family is beneficial.

[20 Marks]

QUESTION 5

How would you identify dipterous crop pests in general? Name at least FIVE dipterous crop pests that you regard as economically important. Which crop(s) do they affect and what damage do they cause?

[20 Marks]