



UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER

PROGRAMS

BACHELOR OF SCIENCE IN AGRONOMY YEAR 2

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION
YEAR 2

BACHELOR OF SCIENCE IN HORTICULTURE YEAR 2

COURSE CODE: CPR 201

TITLE OF PAPER: CROP PEST AND MANAGEMENT

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ALL QUESTIONS

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CHIEF INVIGILATOR

Question 1 (25 Marks)

- a) Name five flight interception traps and describe how they work (15 Marks)
- b) Explain why knowledge on spatial patterns of pests in agro-ecosystem is important (4 Marks)
- c) Describe three basic frequency distributions used to outline the pattern of pest organisms in space (6 Marks)

Question 2 (25 Marks)

Describe the advantages and disadvantages of insecticides in pest management (25 Marks)

Question 3 (25 Marks)

Describe the importance the following in pest management decision making process

- a) Timely detection of pest infestation (5 Marks)
- b) Proper identification of the pest responsible (5 Marks)
- c) Knowledge on the biology and habits of the insect pest responsible (5 Marks)
- d) Environmental Conditions (5 Marks)
- e) Records on previous pest management decision making process (5 Marks)

Question 4 (25 Marks)

- a) Discuss the difference between injury and damage (4 Marks)
- b) Name three ways of expressing yield losses (6 Marks)
- c) Describe the following yield loss assessment methods (15 Marks)
 - i. Artificial infestation (5 Marks)
 - ii. Simulated damage (5 Marks)
 - iii. Paired treatment Experiment (5 Marks)