



2ND SEMESTER 2008/2009

PAGE 1 OF 2

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR'S DEGREE IN AGRONOMY YEAR 3

COURSE CODE: CP 305

TITLE OF PAPER: UNDER-UTILISED CROPS

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTION: ANSWER QUESTION 1, WHICH IS A COMPULSORY
QUESTION AND ANY OTHER THREE QUESTIONS
OF YOUR CHOICE**

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BY THE CHIEF INVIGILATOR**

QUESTION 1

THIS IS A COMPULSORY QUESTION

Swaziland has not been able to meet her maize requirements for about two decades. Discuss the factors that have contributed to the shortfall in maize production and suggest how the shortfall can be addressed.

(25 marks)

QUESTION 2

Discuss the importance of genetic diversity and crop diversification in addressing the adverse effects of global warming in agriculture

(25 Marks)

QUESTION 3

The use of modern technologies in crop production has eroded indigenous knowledge systems that were used for the management of drought, soil fertility and hunger. Discuss the above statement with examples. How can these indigenous knowledge systems be revived and exploited?

(25 Marks)

QUESTION 4

Write an essay on sustainable crop production.

(25 Marks)

QUESTION 5

What are indigenous crops?

(5 Marks)

Explain why only a very small proportion of crop species are used by humans. How can the number of crop plants used by humans be increased.

(20 Marks)