



2ND SEMESTER 2007/2008

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMMES: BACHELOR OF SCIENCE IN AGRONOMY, YEAR 4

COURSE CODE: CP 407

TITLE OF PAPER: GRAIN LEGUME CROP PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER A TOTAL OF FOUR [4] QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS.

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INSTRUCTIONS: ANSWER ANY FOUR [4] QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS.

QUESTION 1

- a. What is a grain legume? (3 marks)
- b. What is another name for grain legumes? (2 marks)
- c. Discuss the involvement of grain legumes in one specified cropping system in Swaziland. (20 marks).

[Total marks for Question 1 = 25 marks]

QUESTION 2

- a. State the common name and the scientific name of the grain legume that features most commonly in Swazi cuisine. (2 x 1 mark = 2 marks)
- b. Describe in detail the production practices of the grain legume named in 2(a) above. (20 marks)
- c. Is this grain legume grown on a large scale in Swaziland? Give reasons to support your answer. (3 marks)

[Total marks for Question 2 = 25 marks]

QUESTION 3

- a. State the common name and the scientific name of the grain legume that comes second in common use in Swaziland. (2 x 1 mark = 2 marks)
- b. Describe in detail the production practices of this grain legume. (20 marks)
- c. Specify three other uses of this grain legume, apart from its common use in food in Swaziland? (3 marks)

[Total marks for Question 3 = 25 marks]

INSTRUCTIONS: ANSWER ANY FOUR [4] QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS.

QUESTION 4

- a. List and discuss the major production challenges faced by farmers who grow grain legumes in Swaziland. (20 marks)
- b. Suggest how five of these challenges can be handled. (5 marks)

[Total marks for Question 4 = 25 marks]

QUESTION 5

- a. Discuss four industrial uses for grain legumes. (4 x 3 marks = 12 marks)
- b. Name and describe the signs and symptoms of two major diseases of grain legumes in Swaziland. (2 x 3 = 6 marks)
- c. How are the two diseases named in 5(b) above controlled? (2 x 3 = 6 marks)
- d. Give the scientific name of one major storage pest of a named grain legume. (1 mark)

[Total marks for Question 5 = 25 marks]