

SECTION 3: PRELIMINARY AGRICULTURE: FARM CASE STUDY QUESTIONS

TOTAL MARKS: 50

GENERAL INFORMATION

Name of Farm:

Farm District:

Describe the climate of the farm. 3 marks (approximately 6 lines)

List the Farmer 's Main Goals 2 marks (approximately 4 lines)

DISEASE CONTROL OF ANIMALS ON FARM

Question 1: Describe a NAMED pest/disease and its effect on a farm animal.

4 marks (approximately 6-8 lines)

Questions 2: Explain how the pest/disease above can be managed on farm.

4 marks (approximately 6-8 lines)

BIOSECURITY ON FARM – LEGAL REQUIREMENT

Question 3: Describe the farm’s Biosecurity Plan. 4 marks (approximately 6-8 lines)

Question 4: Explain how this plan will reduce the outbreak and spread of disease and improve marketing on the farm using THREE examples. 6 marks (approx. 3-4 lines for each)

Example 1:

Example 2:

Example 3:

SOILS ON FARM

Question 5: Describe the soil type/s on farm (type and CEC) and its impact on plant production. 4 marks (approximately 6-8 lines)

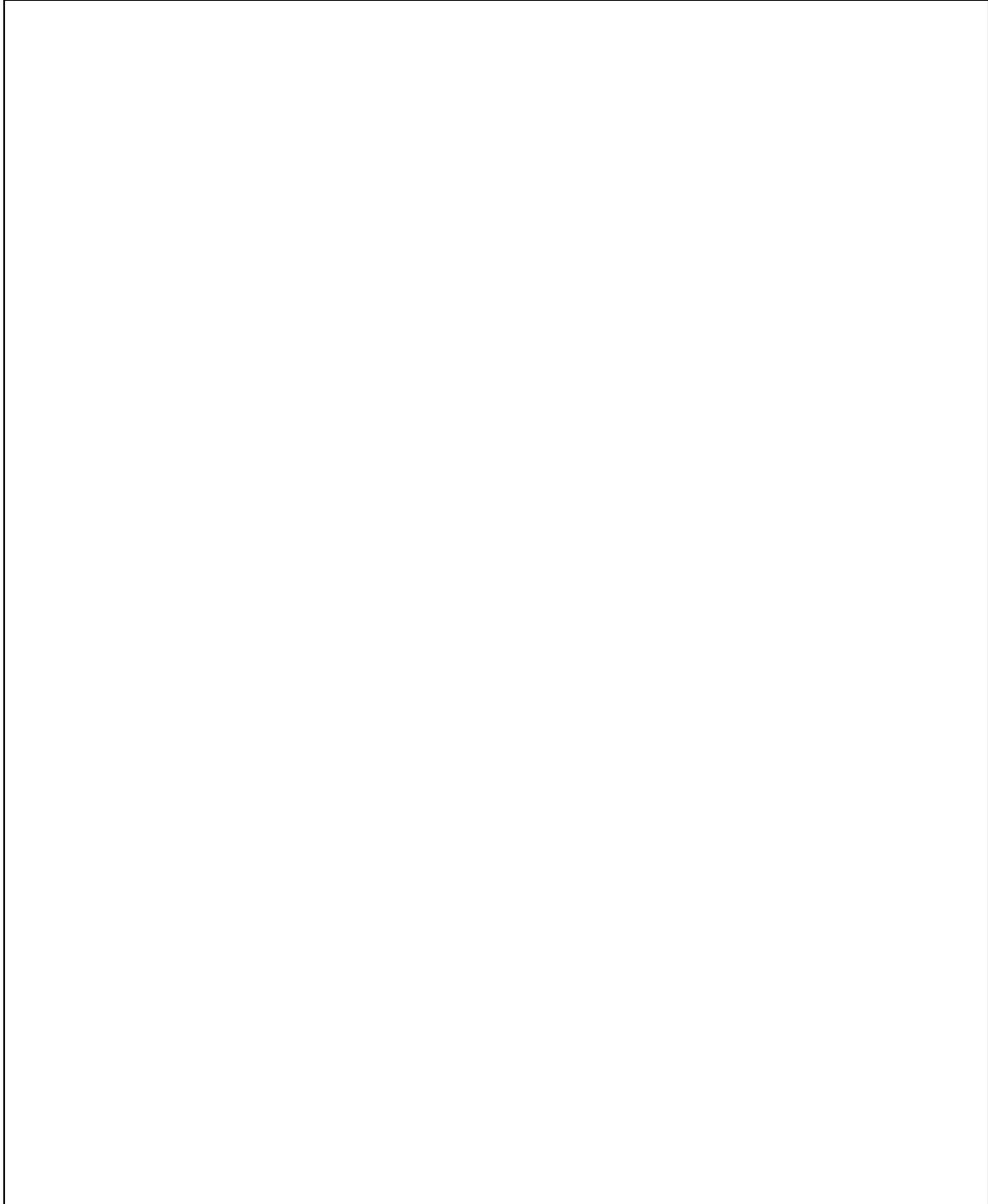
PASTURE MANAGEMENT

Question 6: Explain how a diversity of native and introduced pasture species are utilised effectively on the farm. 5 marks (approximately 10-12 lines)

TECHNOLOGIES ON FARM

Question 7: Evaluate TWO NAMED technologies used on the farm to improve sustainability and marketing of a named product.

8 marks (approximately 12-16 lines)

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PLANT DISEASE

Question 8: Describe a NAMED pest/disease and its effect on a specific plant production system on farm. 4 marks (approximately 6-8 lines)

Explain how the pest/disease above can be managed on farm.
4 marks (approximately 6-8 lines)

BIBLIOGRAPHY AND ACKNOWLEDGEMENTS: 2 marks

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SECTION 3: FARM CASE STUDY QUESTION WORKSHEET MARKING GUIDELINES

45-50 Marks

This student will demonstrate an extensive understanding of the complex, dynamic and interactive nature of agricultural production on the farm through their effective responses to questions on Disease Control, Biosecurity, Soils, Pasture Management, Technologies and Plant Diseases. Description of factors that influence agricultural systems will be clearly and cohesively expressed and linked to biological and physical resources and processes associated with plant and animal production. This student will also be able to demonstrate an extensive understanding of decision-making in the management of agricultural products to produce a superior product for market. Technologies used on the farm will be clearly and comprehensively evaluated to demonstrate an extensive understanding of their use to produce a sustainable product for market. A range of secondary source material and acknowledgements will be referenced as part of an appropriate bibliography.

40-45 Marks

This student will demonstrate a thorough understanding of the complex, dynamic and interactive nature of agricultural production on the farm through their mostly effective responses to questions on Disease Control, Biosecurity, Soils, Pasture Management, Technologies and Plant Diseases. Description of factors that influence agricultural systems will be attempted to be clearly and cohesively expressed and linked to biological and physical resources and processes associated with plant and animal production. This student will also be able to demonstrate a thorough understanding of decision-making in the management of agricultural products to produce a superior product for market. Technologies used on the farm will be attempted to be clearly and comprehensively evaluated to demonstrate a thorough understanding of their use to produce a sustainable product for market. A range of secondary source material and acknowledgements will be referenced as part of an appropriate bibliography.

35 -40 Marks

This student will demonstrate a sound understanding of the complex, dynamic and interactive nature of agricultural production on the farm through some effective responses to questions on Disease Control, Biosecurity, Soils, Pasture Management, Technologies and Plant Diseases. Description of factors that influence agricultural systems will be attempted to be expressed and linked to biological and physical resources and processes associated with plant and animal production. This student will also be able to demonstrate a sound understanding of decision-making in the management of agricultural products to produce a superior product for market. Technologies used on the farm will be attempted to be clearly and comprehensively evaluated to demonstrate a sound understanding of their use to produce a sustainable product for market. An attempt will be made to include a range of secondary sources and acknowledgements as part of a bibliography.

30 - 35 Marks

This student will demonstrate a basic understanding of the complex, dynamic and interactive nature of agricultural production on the farm through some responses to questions on Disease Control, Biosecurity, Soils, Pasture Management, Technologies and Plant Diseases. Description of factors that influence agricultural systems will be attempted to be expressed with some links to biological and physical resources and processes associated with plant and animal production. This student will also be able to demonstrate a basic understanding of decision-making in the management of agricultural products to produce a superior product for market. Technologies used on the farm will be attempted to be evaluated to a basic standard to demonstrate a limited understanding of their use to produce a sustainable product for market. An attempt may be made to include a range of secondary sources and acknowledgements as part of a bibliography.

25 -30 Marks

This student will demonstrate an elementary understanding of the complex, dynamic and interactive nature of agricultural production on the farm through some responses to questions on Disease Control, Biosecurity, Soils, Pasture Management, Technologies and Plant Diseases. Description of factors that influence agricultural systems will be attempted and linked to an elementary level to biological and physical resources and processes associated with plant and animal production. This student will also be able to demonstrate an elementary understanding of decision-making in the management of agricultural products to produce a superior product for market. Technologies used on the farm will be attempted to be evaluated to demonstrate an elementary understanding of their use to produce a sustainable product for market. An attempt may be made to include a range of secondary sources and acknowledgements as part of a bibliography.

0 -25 Marks

This student will struggle or fail to demonstrate an elementary understanding of the complex, dynamic and interactive nature of agricultural production on the farm through some responses to questions on Disease Control, Biosecurity, Soils, Pasture Management, Technologies and Plant Diseases. Description of factors that influence agricultural systems may not be included and with an inadequate link to biological and physical resources and processes associated with plant and animal production. This student will not be able to demonstrate an elementary understanding of decision-making in the management of agricultural products to produce a superior product for market. Technologies used on the farm may not be included nor evaluated to demonstrate an elementary understanding of their use to produce a sustainable product for market. An attempt may be made to include a range of secondary sources and acknowledgements as part of a bibliography.

