

93105Q



931052



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

## Scholarship 2010

### Agricultural and Horticultural Science

2.00 pm Thursday 25 November 2010

Time allowed: Three hours

Total marks: 24

### QUESTION BOOKLET

There are three questions in this booklet. Each question is worth 8 marks. Answer ALL questions.

Write your answers in the Answer Booklet 93105A.

Start your answer to each question on the page noted.

Check that this booklet has pages 2–3 in the correct order and that none of these pages is blank.

You are advised to spend approximately 60 minutes on each question.

**YOU MAY KEEP THIS BOOKLET AT THE END OF THE EXAMINATION.**

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You have three hours to complete this examination.

### **QUESTION ONE (8 marks)**

Choose TWO of the following contemporary issues:

- biosecurity
- market access
- water (availability and/or quality).

Discuss the TWO chosen issues, with reference to ONE of the nationally significant, export-oriented, primary production systems that you have studied, and other primary production systems for which the issues have particular relevance.

The discussion should include:

- an explanation of your chosen issues
- a critical analysis of the impact of the two issues on your selected primary production system
- an evaluation of the two issues in the wider primary production sector.

Begin your answer to this question on page 2 of the Answer Booklet.

### **QUESTION TWO (8 marks)**

Choose ONE of the following contemporary issues:

- animal welfare
- climate change
- emissions trading
- food miles
- food safety
- traceability.

Contrast the impacts of this issue on TWO nationally significant, export-oriented, primary production systems.

For ONE of these selected primary production systems, discuss:

- how the farmer/grower might respond to the issue in the management of the production system
- the implications of those responses for the processors, marketers, and consumers of the product.

Begin your answer to this question on page 8 of the Answer Booklet.

### **QUESTION THREE (8 marks)**

Discuss how New Zealand can balance the claims and benefits of a “clean, green” environment with the desire for economic and social sustainability.

Your discussion should include examples drawn from primary production systems with which you are familiar.

Begin your answer to this question on page 14 of the Answer Booklet.

