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SUPERVISOR'S USE ONLY



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

## Scholarship 2012 Agricultural and Horticultural Science

9.30 am Monday 26 November 2012

Time allowed: Three hours

Total marks: 24

### ANSWER BOOKLET

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

Answer ALL questions from Question Booklet 93105Q.

Write your answers in this booklet.

Start your planning and answers to Questions One, Two and Three from pages 2, 8 and 14 respectively.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–24 in the correct order and that none of these pages is blank.

**YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.**

Question	Mark
ONE	
TWO	
THREE	
TOTAL	/24

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You have three hours to complete this examination.

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### QUESTION ONE (8 marks)

In North America and Europe, consumers are increasingly demanding food products that have been produced “locally”. These “buy local” campaigns encourage the purchase and consumption of locally produced food products, as opposed to imports from countries such as New Zealand.

Discuss the reasons for this trend, and the opportunities and threats the trend presents for New Zealand's export-orientated food industries, referring to primary production systems that you have studied.

**Plan your answer here. Begin your answer on page 3.**











**QUESTION TWO (8 marks)**ASSESSOR'S  
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The Irrigation Acceleration Fund (IAF) is intended to support the potential for irrigated agriculture to contribute to sustainable economic growth throughout New Zealand. The 2011 Budget allocated \$35 million over five years to support the development of irrigation infrastructure proposals.

The expanded fund was the first part of the Government's plan to support the development of new water harvesting, with \$400 million also being considered in a future budget for the construction of regional scale schemes.

Investment-ready proposals for irrigation infrastructure must be technically and commercially robust and demonstrate a high level of community support.

The IAF's primary purpose is to support regional scale rural water infrastructure proposals.

Source (adapted): <http://www.mpi.govt.nz/environment-natural-resources/funding-programmes/irrigation-acceleration-fund>

Much of the discussion about the Irrigation Acceleration Fund has focused on the economic benefits of new irrigation schemes.

Critically analyse this commitment by the New Zealand Government by evaluating the **social and economic sustainability** associated with large scale regional irrigation schemes.

**Plan your answer here. Begin your answer on page 9.**













**QUESTION THREE (8 marks)**ASSESSOR'S  
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Choose TWO of the following contemporary issues:

- animal welfare
- carbon footprint
- changes in land use
- country of origin labelling
- foreign ownership of land.

**Describe** the issues selected and **discuss**, with reference to TWO specific nationally significant primary production systems, why they are each an issue for New Zealand's primary sector.

**Plan your answer here. Begin your answer on page 15.**













**Extra space if required.**  
**Write the question number(s) if applicable.**

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