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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

QUESTION BOOKLET

There are **THREE** questions in this booklet. Answer **ALL** questions.

Write your answers in Answer Booklet 93105A.

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

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

You have three hours to complete this examination.

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 to this question on page 2 of the Answer Booklet and begin your answer on page 3.

QUESTION TWO (8 marks)

The Irrigation Acceleration Fund

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 to this question on page 8 of the Answer Booklet and begin your answer on page 9.

QUESTION THREE (8 marks)

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 to this question on page 14 of the Answer Booklet and begin your answer on page 15.

