

93105A



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SUPERVISOR'S USE ONLY



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

Scholarship 2013 Agricultural and Horticultural Science

9.30 am Tuesday 19 November 2013

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.

QUESTION ONE (8 marks)

The graph in Question Booklet 93105Q shows the trends in the value of New Zealand's agricultural and horticultural exports to selected markets since 1990.

With reference to TWO export-orientated primary production systems:

- discuss how changes in market access have contributed to trends shown in the choice of export destination by the exporters of New Zealand's agricultural and horticultural products
- identify and discuss the responses that have occurred within the primary production systems as a result of the identified market access issues.

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

QUESTION TWO (8 marks)

As agricultural and horticultural production systems intensify, the availability of high-quality water, and the management of nutrients, have become issues for a wide range of stakeholders.

Discuss these conflicts and perspectives in terms of the sustainability (economic, environmental, political, and social) of primary production systems in New Zealand.

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

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

- animal welfare
- biosecurity
- changes in land use
- traceability
- value added.

Critically analyse the **opportunities** and **threats** that the chosen issues present to the production of ONE nationally significant primary product, and how producers have responded to these opportunities and threats.

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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