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NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

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SUPERVISOR'S USE ONLY

Level 2 Agricultural and Horticultural Science, 2015

91297 Demonstrate understanding of land use for primary production in New Zealand

2.00 p.m. Monday 23 November 2015
Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of land use for primary production in New Zealand.	Demonstrate in-depth understanding of land use for primary production in New Zealand.	Demonstrate comprehensive understanding of land use for primary production in New Zealand.

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

You should attempt ALL the questions in this booklet.

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 2–8 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.

TOTAL

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The Hikurangi Swamp, located north of Whangarei, and parts of the Waikato Plains have been extensively drained by farmers and the reclaimed land used for agricultural production. Unfortunately, both areas are very prone to flooding.

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See: <http://agrihq.co.nz/article/harbour-improvement-project-starts?>*

Zealong Tea Estate, based near Hamilton, produces green tea for the local and export markets.

See: <http://www.stuff.co.nz/business/farming/agribusiness/9128307/Tea-farm-sold-to-avoid-frosty-reception> (accessed 5 September 2013)

(a) Explain in detail, how land use is being affected by increasing urban spread.

- the social implications of urban spread
- the implications of using technology.

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See: <http://www.stuff.co.nz/business/farming/agribusiness/9128307/Tea-farm-sold-to-avoid-frosty-reception> (accessed 5 September 2013)

It may not be possible to keep carrying out normal management practices on a rural property without coming into conflict with local residents.

- (b) Evaluate moving production away from urban areas by considering the advantages and disadvantages.

In your answer, consider:

- the future use of the land
- the social and economic effects of changing the land use.

Numbers of agricultural animals in New Zealand change as land use changes. The changes over the last 20 years are shown in the table below.

By referring to the information in the table and using the factors of economic, environmental, technological, social, political, or workforce considerations, justify traditional, current, and future agricultural land use in New Zealand.

- explain, using TWO factors, what changes have been seen over the last 20 years
- explain in detail, which TWO factors have caused these changes in land use
- predict and justify, using TWO factors, how this information could affect future land use.

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

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QUESTION
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