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NEW ZEALAND QUALIFICATIONS AUTHORITY
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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, 2016

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

2.00 p.m. Monday 14 November 2016
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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Horticultural land use changes to reflect variations in consumer demand. Some of the changes in land use between 1994 and 2014 are shown in the table below.

Source (extract): Statistics New Zealand

(a) In 2014, New Zealand produced its highest ever yield per hectare of apples, despite the area of land in apple production being the smallest in 20 years.

(b) Justify traditional, current, and likely future horticultural land use in New Zealand.

In your answer, refer to the table and the land use factors on page 2, to:

- explain changes in land use between 1994 and 2014
- explain, in detail, what this might mean for current land use
- predict how this information might affect future land use.

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Horticulture New Zealand is calling for protection of land classified as highly productive:

- explain why there is a conflict between horticultural land use and residential use
- explain, in detail, how traditional land use has influenced the tension seen in current land use
- compare and contrast the implications if a council does not consider highly productive land when changing horticultural land use to residential land use.

New Zealand is often affected by the El Niño weather pattern, which can lead to drought. El Niño is a set of warm conditions in the central Pacific that bring dry weather to the east of

Source: <http://www.stuff.co.nz/business/farming/sheep/67324546/sheep-and-beef-are-doing-it-tough-in-drought>

In your answer, explain in detail, using TWO land use factors:

- how traditional land use in 1997–1998 may have been affected by the El Niño weather pattern
- how current land use may not be as significantly affected by El Niño.

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

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