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Level 2 Agricultural and Horticultural Science 2020

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

2.00 p.m. Monday 30 November 2020
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 2–16 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 farming of ruminant animals, such as sheep and cattle, is New Zealand's main agricultural land use, with over 40% of the country's land being used for this purpose in 2018.

- Ruminant animal: _____

- (b) For your selected region, compare and contrast its continued use for ruminant animals with an alternative land use.

In your answer, consider political and workforce factors.

Traditional land use: _____

Alternative land use: _____

Please turn over ►

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The examination continues on the following page.**

Water is a limiting factor in a number of regions.

- In your answer, explain in detail how technological and environmental factors will impact future land use.

Agricultural and Horticultural Science 91297, 2020

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The examination continues on the following page.**

QUESTION THREE: Urban sprawlASSESSOR'S
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Agriculture depends on towns and cities for transport, process, promotion, and selling their produce in the markets, [REDACTED]

(excerpt from *NZ Herald* article)

- (a) Give detailed explanations for TWO economic factors behind urban sprawl in a region you have studied.

Region: _____

- (b) In your selected region, justify a council's decision to either allow or prevent the conversion of farmland to urban land use in terms of social and environmental factors.

Please turn over ►

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

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Acknowledgements

Material from the following sources has been adapted for use in this examination:

Page 2 Image: <https://www.whenuanui-farm.nz/files/9014/1556/2295/Whenuanui-farm-New-Zealand-sheep.jpg>

Page 6 Image: <https://www.fonterra.com/content/dam/fonterra-public-website/campaign-images/water-campaign/regional-images/banners/region-canterbury.jpg>

Page 10 Text (excerpt): https://www.nzherald.co.nz/farming/news/article.cfm?c_id=195&objectid=12246510
Image: <https://resources.stuff.co.nz/content/dam/images/1/l/f/t/2/9/image.related.StuffLandscapeSixteenByNine.1420x800.1mapfv.png/1508722480851.jpg>