

91297



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Level 2 Agricultural and Horticultural Science 2021

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

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 2–12 in the correct order and that none of these pages is blank.

Do not write in any cross-hatched area (///). This area may be cut off when the booklet is marked.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

QUESTION ONE: Pasture and forestry

Farmers are warning the Government that its proposed reforms to the Emission Trading Scheme could accelerate conversion of productive pasture into forestry.



- (a) Name TWO regions, and explain how environmental factors have led to one being traditionally used for pasture and the other for forestry.

Region 1 – Pasture: _____

Region 2 – Forestry: _____

(b) Discuss why a farmer would decide to retain productive land in pasture, or convert to forestry. In your answer, consider economic and workforce factors.

There is more room for your answer on the next page ➤

QUESTION TWO: Barriers to changing land use

There are a number of barriers to changing land use from traditional low-intensity land use to more intensive land use.



- (a) Name a region traditionally used for low-intensity land use, and explain how TWO factors have acted as barriers to a more intensive land use.

Region: _____

Traditional land use: _____

Factor 1: _____

Factor 2: _____

QUESTION THREE: Social licence to farm

The higher standards around water quality, and the public expectations around ethical labour and animal welfare practices are realities farmers have to accept, he said.

- (a) Name TWO different primary-production land uses, and explain how a farmer's social licence to farm has been threatened.

Land use 1: _____

Land use 2: _____

(b) Justify a specific primary-production land use in terms of a farmer’s social licence to farm.

In your answer by considering TWO of the following factors:

- technological
- social
- political.

Specific primary-production land use: _____

There is more room for your answer on the next page ➤

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

QUESTION
NUMBER

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

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NUMBER

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Acknowledgements

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

Page 2

Image: https://www.newshub.co.nz/home/rural/2020/07/forestry-sector-stresses-right-tree-right-place-approach-as-debate-over-carbon-farming-continues/_jcr_content/par/video/image.dynimg.1280.q75.jpg/v1595911205996/getty-forestry-trees-1120.jpg

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Image: <https://i.pinimg.com/originals/d0/ce/90/d0ce90376a74f062cc2387d4f5ff6558.jpg>

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Image: <https://devpolicy.org/wp-content/uploads/2018/10/RSE-workers-Credit-Rochelle-Bailey.jpg>

Image: <https://www.stuff.co.nz/business/farming/opinion/112667884/facts-overrated-in-farmings-fight-for-social-licence>

Text: <https://www.stuff.co.nz/business/farming/108950407/higher-standards-for-farming-here-to-stay-if-industry-is-to-retain-social-licence>