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Mana Tohu Mātauranga o Aotearoa New Zealand Qualifications Authority

Level 2 Agricultural and Horticultural Science 2024

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 2–8 in the correct order and that none of these pages is blank.

Do not write in the margins (1/////2). This area will be cut off when the booklet is marked.

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

QUESTION ONE: Diversification

Many New Zealand primary producers are diversifying their traditional land use to provide more than one source of income on the same land.

Name a traditional primary production land use, as well as an additional land use that could be grown on the same land type or class.

Tra	ditional land use:
Ado	ditional land use:
(a)	Explain the environmental and social reasons why a farmer or grower would retain their traditional land use.
(b)	Why would a farmer or grower diversify into a second land use to support their income and/or their traditional land use? Justify your answer by considering both economic and workforce factors.

QUESTION TWO: Fruit production

Choose a region in New Zealand that has traditionally been used for fruit production.

Re	Region:							
	ose a fruit grown in that region.							
Fru	Fruit:							
(a)	Referring to TWO environmental factors, explain why this fruit type has been grown successfully in your chosen region.							

Discuss the initial challenges an orchardist may face when setting up a new land use in a new region. Refer to workforce and economic factors in your answer.					

QUESTION THREE: Suitability of land use

Erosion can be considered a factor that influences land use change. The present and
potential erosion of hill country soils will impact the sustainability of agriculture in areas across New Zealand.
actoss them Zealand.
Source: https://www.stuff.co.nz/business/farming/opinion/300809978/cyclone-gabrielle-
my-advice-to-stormbattered-farmers-from-someone-whos-been-through-it
A farmer could choose to convert erosion-prone land into either forestry or native bush.
F
Selecting (✔) either forestry or native bush, justify which alternative land use option would ensure the
Selecting (✔) either forestry or native bush, justify which alternative land use option would ensure the long-term sustainability of erosion-prone land. Consider political and social factors in your answer.
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Extra space if required. Write the question number(s) if applicable.

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