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93105Q



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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!

Scholarship 2022 Agricultural and Horticultural Science

Time allowed: Three hours
Total score: 24

QUESTION BOOKLET

Answer all THREE questions in this booklet.

Write your answers in Answer Booklet 93105A.

Check that this booklet has pages 2–4 in the correct order and that none of these pages is blank.

YOU MAY KEEP THIS BOOKLET AT THE END OF THE EXAMINATION.

INSTRUCTIONS

Start planning your answers to Questions One, Two and Three on pages 2, 8 and 14 of your answer booklet.

QUESTION ONE: Factors impacting the sustainability of New Zealand agriculture**Critical international issues affecting New Zealand agriculture**

Unprompted responses from a survey of primary sector research, government, and rural professionals (2019)

Consider the diagram above.

With reference to ONE primary production system, discuss the key factors in terms of the threats and opportunities that they pose to its future sustainability.

QUESTION TWO: Labour issues in the primary production sector

Agricultural and horticultural production systems are highly dependent on the labour that is available. With a wide range of roles needing to be performed, labour is increasingly a critical factor in growing the productivity of the whole production system.

Employment trends in New Zealand 2015 – 2021

With reference to ONE primary production system, discuss the labour issues (be it quantity and/or quality of labour) and their potential effect on the current AND future productivity of the primary production system.

QUESTION THREE: Producing for niche markets

Producing for niche markets is often seen as a way for primary producers to achieve higher returns. However, the reality is that most of the agricultural and horticultural products New Zealand produces are traded as commodities and not as niche products into niche markets.

With reference to TWO primary production systems:

- (a) Explain how growers differentiate their product OR production in order to target niche markets.
- (b) Discuss the positives and negatives OR challenges and opportunities New Zealand producers face when producing for a niche market.

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Acknowledgements

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

Page 2

Image: <https://ourlandandwater.nz/news/matrix-2019>

Page 3

Image: <https://www.stats.govt.nz/information-releases/employment-indicators-may-2021>