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93105Q



Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Scholarship 2024 Agricultural and Horticultural Science

Time allowed: Three hours
Total score: 24

QUESTION BOOKLET

There are THREE questions in this booklet. Answer ALL questions.

Write your answers in Answer Booklet 93105A.

Check that this booklet has pages 2 and 3 in the correct order and that neither of these pages is blank.

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

QUESTION ONE: Agricultural and horticultural production in a regulatory environment

Agricultural and horticultural production systems operate in an environment where the compliance with regulations is often a necessity in order to carry out their operations. These regulations could be imposed by:

- industry bodies or organisations
- the New Zealand government
- overseas governments or organisations.



Source: <https://www.thebuxtonpartnership.co.uk/blog/stay-up-to-date-on-changing-compliance-regulations/>

With reference to ONE agricultural or horticultural primary production system, discuss:

- the various compliances that are required, and the positive and negative effects these compliances have in terms of being able to grow and market the produce
- the different perspectives producers may have of these compliance requirements.

QUESTION TWO: Weather events and climate change

With reference to ONE agricultural or horticultural primary production system, discuss the potential for climate-related events to disrupt the primary production system and options for the future viability of the system.

In your discussion, consider:

- the climatic requirements for production
- the potential for the primary production system to be negatively impacted by weather events
- options for mitigating the negative impacts of climate change and enabling the sustainability of the primary production system into the future.

QUESTION THREE: Exporting New Zealand's agricultural and horticultural production

With reference to TWO agricultural or horticultural primary production systems, discuss the reliance New Zealand has on export markets.

In your discussion, consider:

- the benefits/advantages of the export markets
- the risks/threats that this poses for New Zealand
- actions that could be taken to allow greater resilience when supplying export markets.



Source: <https://www.mainfreight.com/americas/en-nz/services/air-ocean/mainchain>

