

This assessment is based on a now-expired version of the achievement standard and may not accurately reflect the content and practice of external assessments developed for 2024 onwards.

91931Q



Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Level 1 Agricultural and Horticultural Science RAS 2023

91931 Demonstrate understanding of sustainability considerations that influence primary production management practices

Credits: Four

PILOT ASSESSMENT

ASSESSMENT TASK

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of sustainability considerations that influence primary production management practices.	Explain sustainability considerations that influence primary production management practices.	Evaluate sustainability considerations that influence primary production management practices.

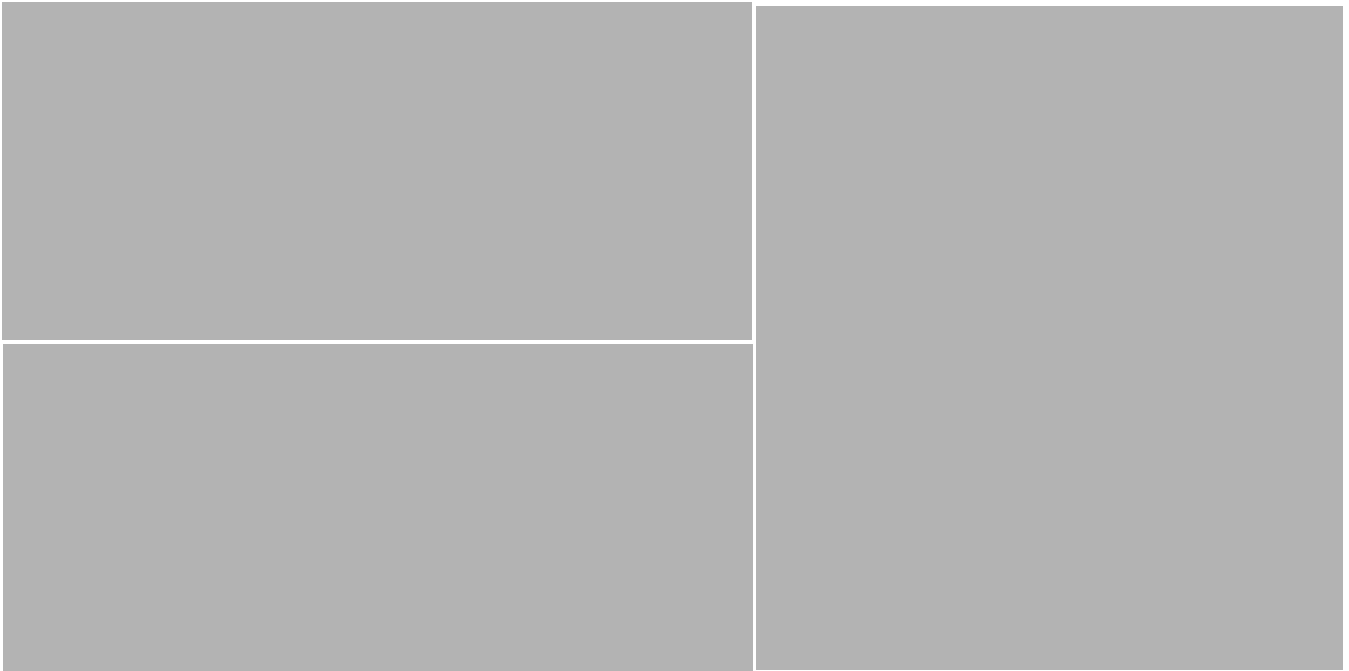
Refer to this document to respond to the task for Agricultural and Horticultural Science RAS 91931.

Check that this document includes page 2.

REPORT TOPIC: Water sustainability

Background

Water is the life blood for any primary production system. Producers need to ensure that their water management practices are sustainable for both the present and the future.



Examples of types of farms that require water management

Report requirements

Produce a report outlining TWO water management practices for ONE primary production system of your choice. In your report, include how a Māori value relevant to sustainability is being demonstrated.

Your report should be no more than 800 words. Any images or diagrams included need to be relevant to the text.

In your report you should discuss:

- how your primary production system impacts the environment
- how both water management practices improve water sustainability
- the environmental, social, and economic considerations of the water management practices in terms of improving water sustainability
- which of the two water management practices will have the greatest impact upon the sustainability of water, and why.

Acknowledgements

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

Top left: <https://www.zespri.com/content/dam/zespri/us/blog-detail/where-are-kiwifruit-grown-/kiwifruit-grown-body.jpg>

Bottom left: <https://resources.stuff.co.nz/content/dam/images/4/y/p/a/8/u/image.related.StuffLandscapeThreeByTwo.1464x976.26dd48.png/1680214287574.jpg>

Right: https://www.northlandnz.com/assets/Uploads/1__ScaleWidthWzEyMDBd.-Pastoral-Farming.jpg