

Achievement Standard

Subject Reference	Agricultural and Horticultural Science 3.2		
Title	Research and report on the impact of factors on the profitability of a New Zealand primary product		
Level	3	Credits	6
		Assessment	Internal
Subfield	Science		
Domain	Agricultural and Horticultural Science		
Status	Registered	Status date	4 December 2012
Planned review date	31 December 2019	Date version published	17 November 2016

This achievement standard involves researching and reporting on the impact of factors on the profitability of a New Zealand primary product.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Research and report on the impact of factors on the profitability of a New Zealand primary product. 	<ul style="list-style-type: none"> Effectively research and report on the impact of factors on the profitability of a New Zealand primary product. 	<ul style="list-style-type: none"> Comprehensively research and report on the impact of factors on the profitability of a New Zealand primary product.

Explanatory Notes

- This achievement standard is derived from *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007, and is related to the material in the *Teaching and Learning Guide for Agricultural and Horticultural Science*, Ministry of Education, 2011 at <http://seniorsecondary.tki.org.nz>.
- Research and report* involves:
 - selecting and processing information related to specific factors that may impact on profitability of a New Zealand primary product
 - using the processed information to describe the impact of the factors on the production of a primary product
 - reporting findings in a logical manner.

Effectively research and report involves:

- interpreting processed information to explain the impact of the factors on the profitability of a primary product.

Comprehensively research and report involves:

- analysing the processed information to justify the impact of the factors on the profitability of a primary product
 - reporting findings in a coherent and concise manner, including a summary of key findings.
- 3 *Profitability* refers to the ability to make a profit for the producer. Profitability may be determined by on-farm practices, off-farm processes, and other factors.
- 4 *Factors* may include physical and climatic conditions; social, technological (eg value-added innovations), economic, political, and cultural factors.
- 5 Production refers to all aspects of primary production under producer control, such as production process, management practices, quantity, timing, and product attributes.
- 6 Product attributes are measurable characteristics that affect the profitability of a primary product and may include, fat content, sugar levels, size, mass, diameter, tenderness, shelf life, and yield.
- 7 The report includes:
- a statement of purpose
 - selected and processed information
 - interpretation of findings based on own processed information
 - a valid conclusion(s) that relates to the purpose of the research
 - referencing using a recognised style, so that sources may be verified.
- 8 Conditions of Assessment related to this achievement standard can be found at www.tki.org.nz/e/community/ncea/conditions-assessment.php.
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Replacement Information

This achievement standard replaced AS90649.

Quality Assurance

- 1 Providers and Industry Training Organisations must have been granted consent to assess by NZQA before they can register credits from assessment against achievement standards.
- 2 Organisations with consent to assess and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.

Consent and Moderation Requirements (CMR) reference

0233