

NZQA Approved

Internal Assessment Resource

Agricultural and Horticultural Science Level 3

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| This resource supports assessment against:  Achievement Standard 91529  Research and report on the impact of factors on the profitability of a New Zealand primary product |
| Resource title: Can you make money from Lamb production? |
| 6 credits |
| This resource:   * Clarifies the requirements of the standard * Supports good assessment practice * Should be subjected to the school’s usual assessment quality assurance process * Should be modified to make the context relevant to students in their school environment and ensure that submitted evidence is authentic |

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| Date version published by Ministry of Education | December 2012  To support internal assessment from 2013 |
| Quality assurance status | These materials have been quality assured by NZQA.  NZQA Approved number A-A-12-2012-91529-01-6009 |
| Authenticity of evidence | Teachers must manage authenticity for any assessment from a public source, because students may have access to the assessment schedule or student exemplar material.  Using this assessment resource without modification may mean that students’ work is not authentic. The teacher may need to change figures, measurements or data sources or set a different context or topic to be investigated or a different text to read or perform. |

Internal Assessment Resource

Achievement Standard Agricultural and Horticultural Science 91529: Research and report on the impact of factors on the profitability of a New Zealand primary product

Resource reference: Agricultural and Horticultural Science 3.2A

Resource title: Can you make money from lamb production?

Credits: 6 Version: 1 Level: 3

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| Achievement | Achievement with Merit | Achievement with Excellence |
| Research and report on the impact of factors on the profitability of a New Zealand primary product. | Effectively research and report on the impact of factors on the profitability of a New Zealand primary product. | Comprehensively research and report on the impact of factors on the profitability of a New Zealand primary product. |

Student instructions

Introduction

This assessment activity requires you to research New Zealand lamb meat production in order to answer the question “Can you make a profit from lamb production in New Zealand?” You are to report on how a range of factors impact on the profitability of New Zealand produced lamb by considering their effect and/or impact on the production process used for lamb in New Zealand.

In considering the profitability you will need to research on-farm practices, off-farm processes, and other factors such as physical and climatic conditions; and social, technological (for example, value-added innovations), economic, political, and cultural factors.

The production process used for lamb meat in New Zealand includes all stages under the producer’s control, such as production process, management practices, quantity, timing, and product attributes.

You can work in a group of two or three to gather information, but you must work independently on the collation, processing, and reporting of your research findings.

You have up to 10 weeks to carry out the research and complete your report.

You will be assessed on how effectively and comprehensively you carry out your research and report on your findings.

Task: Can you make money from lamb meat production?

***Conduct the research***

Research relevant information on the impact of specific factors such as physical conditions; and social, technological, economic, political, and cultural factors on the profitability of New Zealand produced Lamb. You need to cover at least two of these factors.

Plan your research process and include regular check points with your teacher.

Select and organise relevant information under each specific factor so that you can use it to develop an informed response to this question.

Use the information to:

* describe the impact of the factors on the production process used for lamb meat in New Zealand
* explain the impact of the factors on the profitability of lamb meat production in New Zealand
* analyse the processed information to justify the impact of the factors on the profitability of New Zealand produced Lamb.

Keep a record of your research in a logbook. Include a reference list. Your research logbook will be handed in with your completed report, as it may be used to assess how you have processed and integrated the knowledge you have gathered during your research.

***Prepare your report***

Present your findings in a coherent and concise manner, including a summary of key findings.

The report will include:

* Purpose – a statement that provides a clear description of your research focus
* Introduction – provides the relevant background to the topic and the research you have carried out
* Findings – presents a summary of the relevant information you selected and processed relating to the topic. This information is written in your own words, along with referenced quotes you have selected. It will include graphs and tables relating to the specific factors. In this section you will describe the impact of each of these factors on the lamb meat production process in New Zealand.
* Discussion – an interpretation of findings based on your own processed information. This is written in paragraph form and should address each factor you have described, with an explanation of how each impacts on the profitability of lamb meat production in New Zealand. You must summarise information that justifies your stance on the impact of specific factors on the profitability of venison production in New Zealand.
* Conclusion – a valid conclusion(s) that relates to the purpose of the research. If you make a statistical conclusion it may be shared in the conclusion, supported by your statement that justifies whether or not you can make a profit from venison production in New Zealand.
* References – referencing using a recognised style, so that sources may be verifie