

91294



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

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SUPERVISOR'S USE ONLY

Level 2 Agricultural and Horticultural Science, 2019

91294 Demonstrate understanding of how NZ commercial management practices influence livestock growth and development

2.00 p.m. Monday 25 November 2019
Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of how management practices influence livestock growth and development in commercial production in New Zealand.	Demonstrate in-depth understanding of how management practices influence livestock growth and development in commercial production in New Zealand.	Demonstrate comprehensive understanding of how management practices influence livestock growth and development in commercial production in New Zealand.

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should attempt ALL the questions in this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–12 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

TOTAL

ASSESSOR'S USE ONLY

The following questions require you to discuss **THREE** different livestock of your choice, such as sheep, salmon, cattle, deer, poultry, insects, horses, or alpacas.

Make sure you choose **different** livestock for **EACH** Question.

Before selecting your livestock, carefully read **ALL** the questions to ensure that your selection will allow you to meet **ALL** the requirements.

QUESTION ONE: ENVIRONMENTAL MODIFICATION



Bees and beekeepers busy at work

The quality and quantity of product produced by a livestock species, such as honey produced by bees, can be influenced by modifying the environment to encourage growth and development.

Select your livestock for this question and write it below.

Livestock for Question One: _____

- (a) Describe a specific technique that farmers use to modify your chosen livestock's environment.

QUESTION TWO: DISEASE MANAGEMENTASSESSOR'S
USE ONLY**Farm gate warning signs**

Mycoplasma bovis is a nationally significant disease that has had a major impact on cattle in New Zealand. It is important for farmers to put in place practices that protect their livestock from similar outbreaks so that the industry is protected from their economic impacts.

Select your livestock for this question and write it below.

Note: Make sure you choose different livestock for EACH Question.

Livestock for Question Two: _____

- (a) Name a nationally significant disease that affects your chosen livestock species, and describe how farmers prevent its spread.

QUESTION THREE: NUTRITIONASSESSOR'S
USE ONLY

Goats feeding

Farmers often have to choose between different feed types when raising livestock species. For example, goat farmers can choose between Lucerne silage or Ryegrass silage.

Select your livestock for this question and write it below.

Note: Make sure you choose different livestock for EACH Question.

Livestock for Question Three: _____

- (a) Explain how a specific livestock feed is selected to improve your chosen livestock species' growth and development.
