



Mana Tohu Mātauranga o Aotearoa New Zealand Qualifications Authority

# Level 2 Agricultural and Horticultural Science 2024 91294 Demonstrate understanding of how NZ commercial management practices influence livestock growth and development

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 2–8 in the correct order and that none of these pages is blank.

Do not write in the margins  $(\frac{1}{2})/\frac{1}{2}$ . This area will be cut off when the booklet is marked.

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

91294

## INSTRUCTIONS

Choose THREE different types of livestock to answer this assessment. For each question you will need to discuss a different livestock type.

Read ALL the questions before starting so you can choose which livestock you will use to answer each question.

#### **QUESTION ONE:** Monitoring health

Chosen livestock for Question One:

(a) Explain how farmers monitor the health of your chosen livestock to ensure successful growth and development.

 Prevention of livestock health issues is more beneficial than treatment for growth and development.

(b) Consider the statement above and justify whether you agree or disagree. In your answer consider the economics of production and timing.

## **QUESTION TWO:** Feeding ruminant livestock

Choose your livestock to answer Question Two. It must be different from Question One and Question Three.

Ch	osen livestock for Question Two:
(a)	Explain how pasture quality and quantity change throughout the year, and how these changes influence the growth and development of your selected livestock.

Choose a crop that a farmer might use instead of pasture to improve growth and development of your selected livestock.

/

////

////

Chosen crop:

(b) Justify the use of this crop. In your answer consider the quality, timing, and economics of production.

4

	5	
1		
-		
-		
-		

/ / / / /

### **QUESTION THREE:** Indoor farming

Choose your livestock to answer Question Three. It must be different from Question One and Question Two.

Chosen livestock for Question Three	Chosen	livestock	for	Question	Three
-------------------------------------	--------	-----------	-----	----------	-------

Farmers can choose to keep livestock indoors to control their environment.

(a) What are your chosen livestock's ideal environmental conditions? Explain how indoor housing might enhance their growth and development.

(b) Discuss issues with indoor housing that could limit the growth and development of your chosen livestock. Refer to quantity, quality, and economics of production in your answer.

/ /

7	

2

/ / / / /

	Extra space if required. Write the question number(s) if applicable.	
UESTION NUMBER		

Agricultural and Horticultural Science 91294, 2024

///////