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Draw a cross through the box (☒) if you have NOT written in this booklet



Mana Tohu Mātauranga o Aotearoa New Zealand Qualifications Authority

Level 2 Agricultural and Horticultural Science 2023 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 2–12 in the correct order and that none of these pages is blank.

Do not write in any cross-hatched area (only write in any cross-hatched area will be cut off when the booklet is marked.

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

INSTRUCTIONS

You are required to discuss THREE livestock species of your choice.

BEFORE choosing livestock, carefully read ALL the questions to ensure your selections will allow you to meet all the requirements.

QUESTION ONE: Livestock development and feeding

Throughout their life stages, livestock require different types of feed as they grow and develop.

Select your livestock for this question. The livestock you select for this question must be different to those you select for questions Two and Three.

Liv	estock for Question One:
a)	How do the growth and development of your chosen livestock change from birth through to the harvest of products? Provide details of the main factors that drive these changes.

Please turn over ➤

In your engin	or consider the impact on the coor	nomics of production and timing	
in your answ	er consider the impact on the ecor	omics of production and timing.	

QUESTION TWO: Livestock health

To ensure that livestock are able to reach their potential for growth and development, producers must carry out animal health practices throughout the life of the livestock.

Select your livestock for this question. The livestock you select for this question must be different to those you select for questions One and Three.

Liv	estock for Question Two:
	ct your health practice for your chosen livestock.
Не	alth practice:
(a)	How does this animal health practice have a positive impact on the growth and development of your chosen livestock?

and devel	the effectivenes opment impact	the quality of	the product	s and the ed	conomics of	production.	

QUESTION THREE: Breeding practices

The breeding practices chosen by livestock producers can have an important impact on the growth and development of the resulting offspring.

Select your livestock for this question. The livestock you select for this question must be different to those you select for questions One and Two.

Liv	estock for Question Three:
Sele	ct a breeding practice for your chosen livestock.
Bre	eeding practice:
(a)	How does this breeding practice impact the growth and development of the offspring that result from this practice?

Please turn over ➤

	ernative breeding practice.	
In your ans practices.	wer discuss the impacts on the quality and quantity of livestock produced from	n tr

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

QUESTION NUMBER	write the question number(e) if applicable.	
NUMBER		