

91294



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

2

SUPERVISOR'S USE ONLY

# Level 2 Agricultural and Horticultural Science, 2012

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

2.00 pm Monday 26 November 2012

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.

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

TOTAL

ASSESSOR'S USE ONLY





**QUESTION TWO: PRE-SLAUGHTER MANAGEMENT PRACTICES**

Use the information in the box below and your own knowledge to answer all parts of this question.

Farmer Smith runs Romney ewes which are mated to Suffolk rams. The property has experienced a mild winter with excellent spring and summer rainfall, resulting in a plentiful supply of quality feed.

The farmer took the following actions:

- He did not castrate any ram lambs at tailing time.
- Instead of weaning the lambs at two months of age, he decided to leave all lambs with their mothers to control the excess feed supply.
- In late summer he drafted for slaughter a truck-load of the heaviest lambs every month.

It has been suggested that the drafting management practice should be changed.

- (a) Explain how non-castration would influence lamb growth and development on this property.

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- (b) Explain how the **weaning** practice would influence lamb growth and development on this property.

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### QUESTION THREE: PASTURE FEEDING

Feed quality, as illustrated in the photographs below, is the most important factor affecting livestock growth and development.

**Yearling deer**



**Weaned lambs**



The following advice was given to farmers rearing young stock such as deer and lambs on pasture:

1. Pastures should be topped in late November/early December.
2. Use pasture regrowth from silage made in November/December.
3. When rotationally grazing, move livestock when only 30–50% of the available pasture has been eaten.

Select ONE item of advice from the list above.

Selected item of advice (use number from list): \_\_\_\_\_

(a) Explain how this advice would benefit the growth and development of deer or lambs.

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