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91531



Level 3 Agricultural and Horticultural Science, 2015
91531 Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product(s)

9.30 a.m. Monday 30 November 2015 Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product(s).	Demonstrate in-depth understanding of how the production process meets market requirements for a New Zealand primary product(s).	Demonstrate comprehensive understanding of how the production process meets market requirements for a New Zealand primary product(s).

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 BOTH parts of the task 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

INSTRUCTIONS

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This paper consists of ONE task, in TWO parts (A and B), which relates to how primary production management practices for ONE nationally significant primary product ensure that the product will meet specific market requirements.

Read the **entire task carefully**, to ensure you can complete the task.

Nationally significant primary product (in unprocessed form):
Nationally significant primary product (in unprocessed form).
Specific market for this product:
Use the box below to plan your answer.

PART A

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For your chosen product, explain how management practices influence the **quality** and **quantity** requirements for a specific market during both the **establishment** and **growing** phases of your product.

In your answer, state specific attributes and data where applicable.

Note: Quality requirements can include product attributes, consistency, uniformity, and presentation.

(i) Establishment phase

Note that:

- for a plant product, this phase might include genetics, planting, training, grafting, soil preparation, site selection, and shelter.
- for an animal product, this phase might include genetics, pre-mating sire and dam preparation(s), and site selection.

Explain how TWO management practices used during the establishment phase will maximis the quantity of your product that meets the quality requirements of the specific market.				
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(ii) Growing phase

Note that:

- for a plant product, this phase might include the timing and implementation of pruning/thinning, pest control, fertiliser, irrigation, and environment.
- for an animal product, this phase might include general husbandry (such as timing and implementation of animal health and nutrition), and environment.

Explain how TWO management practices used during the growing phase will maximise the quantity of your product that meets the quality requirements of the specific market.

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PART B

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Which of the four management practices discussed in Part A has the greatest effect on maximising the **quantity** of product available?

In your answer, explain the quality requirements of the specified market and compare the four

management practices.			

More space for this answer is available on the next page.

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

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