

MARKER CODE



Student Personal Identification Number

South Pacific Form Seven Certificate

AGRICULTURE

2014

QUESTION and ANSWER BOOKLET

Time allowed: Two and a half hours

INSTRUCTIONS

Write your Student Personal Identification Number (SPIN) on the top right hand corner of this booklet.

Answer **ALL QUESTIONS**. Write your answers in the spaces provided in this booklet.

If you need more space for answers, ask the Supervisor for extra paper. Write your SPIN on all extra sheets used and number the questions clearly. Attach the extra sheets at the appropriate places in this booklet.

Major Learning Outcomes (Achievement Standard)	Skill Bands			Weight /Time
	Band 1 <i>Basic</i>	Band 2 <i>Proficient</i>	Band 3 <i>Advanced</i>	
AgrA: Examine local and export primary production and analyse the influence of market controls	8 questions	2 questions	1 question	15% 30 min
AgrB: Analyse primary production practices that ensure sustainable primary production	11 questions	3 questions	2 questions	23% 46 min
AgrC: Discuss the production and marketing of a locally produced animal primary product and of a locally produced plant primary product	18 questions	5 questions	3 questions	37% 74 min
TOTAL	37 questions	10 questions	6 questions	75% 150 min


Questions in this examination require you to refer to primary products from your own country.

Check that this booklet contains pages 2-17 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.

SECTION A: PRIMARY PRODUCTION

Assessor's use only

A1	Production	<p>In the table below list TWO plant primary products and TWO animal primary products that are locally produced. For each product:</p> <p>A1a Indicate with a tick (✓) if the product is produced for the local market Name the type of local market opportunity available for each produced product</p> <p>A1b Indicate with a tick (✓) if the product is produced for an export market Name the main export country for each export product</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 15%;">Primary Product</th> <th style="width: 15%;">Local market</th> <th style="width: 20%;">Local market opportunity</th> <th style="width: 15%;">Export market</th> <th style="width: 20%;">Expors country</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Primary Product	Local market	Local market opportunity	Export market	Expors country	1						2						3						4						<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 50%;">Basic</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 50%;">Basic</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR		Basic	Level	Excellent		Weak		NR	
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A2	Marketing System	<p>The picture below shows local farmers selling agricultural products at a local market.</p> <div style="text-align: center; margin: 10px 0;">  </div>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 50%;">Basic</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR																																							
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A2a	<p>Identify the marketing system.</p> <hr style="border: 0.5px solid black; margin-top: 10px;"/>																																																

<p>A2b</p>	<p>The marketing system is exposed to some risks. Describe ONE possible risk of this type of marketing system.</p> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th>Basic</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR			
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<p>A3</p>	<p>Quantity and Attribute Requirements</p> <p>Select ONE primary product that is exported from your country.</p> <p>Your Island Country _____</p> <p>Export Primary Product _____</p> <p>Country exported to _____</p>											
<p>A3a</p>	<p>For your selected primary product, describe the typical quantity of product that can be expected at harvest per hectare or per animal (Example tray/cartons per hectare, kg of carcass weight).</p> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th>Basic</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR			
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<p>A3b</p>	<p>Describe a product attribute (Example breed, variety, Brix, micron, colour, live weight, or fat cover) required for the market you selected. Use units and values, where appropriate, to help describe the product attribute required.</p> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th>Basic</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR			
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<p>A3c</p>	<p>Explain why the market has this requirement.</p> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th>Proficient</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR	
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A4	<p>Market Factors and Product Supply</p> <p>Select a primary product you have studied to answer this question. In your answer, use specific examples, including recent units and values where appropriate, to help explain how market factors affect supply and demand – Example volume of product, typical costs, and returns to producer.</p> <p>Selected primary product: _____(No mark)</p> <p>Given below are market factors that influence primary production. Select TWO market factors from the list to answer the questions given.</p> <ul style="list-style-type: none"> • Transport methods • Market Access • Market Quality Requirements • Effect of Supply and Demand on Returns • Effect of Seasonality on Supply and Demand • Needs of people and future prospects 	<i>Assessor's use only</i>										
A4a	<p>Market factor 1: _____ (No mark)</p> <p>Explain how this market factor has, in recent years, affected the supply of your primary product.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Market factor 2: _____ (No mark)</p> <p>Explain how this market factor has, in recent years, affected the supply of your primary product.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Proficient</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR	
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A4c	<p>The two market factors you have used to answer (A4a) and (A4b) will vary in their effect on the quantity of product available in the marketplace.</p> <p>Rank these market factors in order of the effect they have on the quantity of your primary product available in the marketplace, both now and in the future.</p> <p>1 _____</p> <p>2 _____</p> <p style="text-align: right;">(No mark)</p>											

SECTION B: SUSTAINABLE PRIMARY PRODUCTION

Assessor's use only

B6	<p>Labour Management</p> <p>Read the case study below then answer the question that follows.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p><i>Assuming that Mr Jones works on a crop production farm in your country. At the end of the month he observes the following problems:</i></p> <ul style="list-style-type: none"> • <i>Some of the labourers arrive late in the morning and some depart early in the afternoon. He confronts them in this regard.</i> • <i>He is short of 10 bags of fertiliser, which cannot be accounted for.</i> </div>								
B6a	<p>Identify the management principle that can resolve these problems.</p> <p>_____</p> <p>_____</p> <table border="1" style="float: right; margin-top: 10px;"> <thead> <tr> <th style="background-color: #cccccc;">Basic</th> <th style="background-color: #cccccc;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR	
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B6b	<p>Describe ONE practical mechanism that will reduce the problem of labourers arriving late for work and leaving early in the afternoon.</p> <p>_____</p> <p>_____</p> <table border="1" style="float: right; margin-top: 10px;"> <thead> <tr> <th style="background-color: #cccccc;">Basic</th> <th style="background-color: #cccccc;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR	
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B6c	<p>Indicate ONE possible measure to prevent the loss of the 10 bags of fertiliser which are missing or cannot be accounted for.</p> <p>_____</p> <p>_____</p> <table border="1" style="float: right; margin-top: 10px;"> <thead> <tr> <th style="background-color: #cccccc;">Basic</th> <th style="background-color: #cccccc;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR	
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B7	<p>Management Practices</p> <p>Select ONE primary product produced in your country to answer this question.</p> <p>Name of selected primary product: _____ (No mark)</p> <p>Three of the management practices that farmers need to carry out to maintain sustainable production are described in the box below.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <ul style="list-style-type: none"> • <i>Soil management such as fertility</i> • <i>Waste management such as disposal effluent</i> • <i>Water management such as runoff</i> </div> <p>Explain how farmers in your country carry out ONE of the management practices for sustainable production of your chosen primary product. You can use specific examples of your own or any of those given above.</p>								

Assessor's use only

B7a	Specific management practice : _____ (No mark) Explanation of how this management practice is carried out in a sustainable way. _____ _____ _____ _____ _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Proficient</th> <th style="text-align: left; padding: 2px;">Level</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Excellent</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Moderate</td> <td></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR	
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B7b	Justify why your answer to B7a is the most sustainable method for this management practice to be carried out. You must compare your answer to another less sustainable method. _____ _____ _____ _____ _____ _____ _____ _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Advanced</th> <th style="text-align: left; padding: 2px;">Level</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Excellent</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Moderate</td> <td></td> </tr> <tr> <td style="padding: 2px;">Low</td> <td></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> <tr> <td style="padding: 2px;">Exceed</td> <td></td> </tr> </tbody> </table>	Advanced	Level	Excellent		Moderate		Low		Weak		NR		Exceed	
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B8	Husbandry and Agronomy Practices One method of ensuring that the capability of long-term primary production is maintained in a farm is to improve the husbandry and agronomic production practices.	<p style="text-align: right;"><i>Assessor's use only</i></p>
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B8a	Explain how inorganic fertilisers can maintain and/or increase the production of a local primary plant product in the long run, you have studied. In your answer you must define inorganic fertiliser and give an example. You also need to provide units, and recommended application rates or values, used on a named plant product in your country. Name of local primary plant product: _____ (No mark) i. Definition of inorganic fertiliser: _____ _____ _____ _____ ii. Explanation _____ _____ _____ _____ _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Basic</th> <th style="text-align: left; padding: 2px;">Level</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Excellent</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Basic</th> <th style="text-align: left; padding: 2px;">Level</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Excellent</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR		Basic	Level	Excellent		Weak		NR	
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<p>B8b</p>	<p>Explain how the chemical control of a named disease can maintain and/or increase the production of a local primary animal product in the long run, you have studied. In your answer you must provide an example with units and recommended application rates or values, used on a named plant product in your country.</p> <p>Name of local primary animal product: _____ (No mark)</p> <p>Explanation _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th>Proficient</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR							
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<p>B8c</p>	<p>Explain how intercropping can maintain and/or increase the production of a local primary plant product you have studied in the long run. In your answer you must define intercropping and give an example including the names of crops involved and their importance to this management practice in your country.</p> <p>Name of local primary plant product: _____ (No mark)</p> <p>i. Definition of intercropping: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>ii. Explanation: _____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th>Basic</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Basic</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR		Basic	Level	Excellent		Weak		NR	
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<p>B8d</p>	<p>Explain how the use of genetic selection can maintain and/or increase the production of a local primary animal product you have studied in the long run. In your answer you must define genetic selection and give an example including units, and values, where appropriate, to help your explanation.</p> <p>Name of local primary animal product: _____</p> <p>i. Definition of genetic selection: _____</p> <p>_____</p> <p>_____</p> <p>ii. Explanation: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th>Basic</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Basic</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR		Basic	Level	Excellent		Weak		NR	
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B9	Global Agricultural Issues	<p>The list of global agricultural issues in the box below can affect the local primary products produced in the Pacific Islands.</p> <p>Identify and select TWO agricultural issues that are important to the primary products that you have studied this year.</p> <p>In your answer you MUST refer to a particular primary product (plant or animal) that you have studied. Use examples, figures, units and values, where appropriate to help explain your answer. The global agricultural issues are:</p> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-between;"> <ul style="list-style-type: none"> • <i>Biodiversity and Invasive species</i> • <i>Genetic resource conservation</i> • <i>Introduction of new species</i> <ul style="list-style-type: none"> • <i>Genetic engineering</i> • <i>Organic husbandry</i> • <i>Pollution</i> </div>	<i>Assessor's use only</i>													
B9a	Selected global agricultural issue 1: _____(No mark) Describe the agricultural issue that you have selected. _____ _____ _____	<table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr> <th style="width: 50%;">Basic</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR							
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B9c	Selected global agricultural issue 2: _____(No mark) Describe the agricultural issue that you have selected. _____ _____ _____	<table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr> <th style="width: 50%;">Basic</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR							
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B9d	Explain in what way the selected global agricultural issue 2 affects the production of a primary product that you have studied. _____ _____ _____	<table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr> <th style="width: 50%;">Proficient</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR					
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Weak																
NR																
B9e	Out of the two global agricultural issues you have selected above, which ONE will you recommend to have a better influence on the primary products in your country? Recommended global agricultural issue: _____ (No mark) Justify your answer: _____ _____ _____ _____ _____ _____	<table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr> <th style="width: 50%;">Advanced</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> </tr> <tr> <td>Low</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> <tr> <td>Exceed</td> <td></td> </tr> </tbody> </table>	Advanced	Level	Excellent		Moderate		Low		Weak		NR		Exceed	
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SECTION C: PRODUCTION MANAGEMENT

This section is in **TWO** parts:
 Part A: Farm Animal Production Management
 Part B: Crop Production Management

Part A: FARM ANIMAL PRODUCTION MANAGEMENT

C10 Schedule of Operations

Answer **ALL** questions. Select a locally produced farm animal product and its specific market that you have studied to answer the questions given.

Nationally significant produced farm animal: _____ (No mark)

Specific market for the produced farm animal: _____ (No mark)

Farmers follow a sequence of steps of management practices in order to produce a farm animal product that meets the requirements of different markets.

C10a On the calendar of operations below, complete a list of operations for the 10 key steps of management practices used in the production of your selected primary produced farm animal that will help to achieve the requirements of the selected market. Use double-headed arrows (↔) to show when these practices are carried out. The end of each arrow should clearly show the beginning and end of the activity.

Calendar of Operations

Steps of management practices in order they are carried out	Months of the year											
	Jan	Feb	Mar	Apr	Ma	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1												
2												
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6												
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Assessor's use only

Basic	Level				
	C10ai	C10aii	C10aiii	C10aiv	C10av
Excellent					
Weak					
NR					

C10b	<p>Use the above calendar of operations to answer the questions that follow (C10b to C12b).</p> <p>Select TWO steps of management practice from the calendar of operations above.</p> <p>Explain how each of the TWO selected steps of management practices can affect the quality of farm animal product that can be expected at the time of selling or slaughtering (specific volumes and their units, per hectare or per animal, are required where relevant)</p> <p>Step of management practice 1: _____(No mark)</p> <p>Explanation: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Step of management practice 2: _____(No mark)</p> <p>Explanation: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Proficient</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR	
Proficient	Level											
Excellent												
Moderate												
Weak												
NR												
C10c	<p>Compare the two selected steps of management practices detailed in (C10b) identify which would have the greater impact on quantity at the time of selling or slaughtering.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Proficient</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR	
Proficient	Level											
Excellent												
Moderate												
Weak												
NR												
C11 C11a	<p>Quality Requirements</p> <p>For your farm animal product, describe the consistency or uniformity requirements that farmers must meet when supplying the selected market.</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Basic</th> <th style="width: 50%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR			
Basic	Level											
Excellent												
Weak												
NR												

C11b	<p>Select ONE step of management practice from the calendar of operations on page 10.</p> <p>Explain how the selected step of management practice can affect the quality requirement described in (C11a), during the production process.</p> <p>Selected step of management practice: _____(No mark)</p> <p>Explanation: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="text-align: left; padding: 2px;">Proficient</th> <th style="text-align: left; padding: 2px;">Level</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Excellent</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Moderate</td> <td></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR					
Proficient	Level															
Excellent																
Moderate																
Weak																
NR																
C11c	<p>Compare and contrast the step of management practice explained in (C11b) with another management practice from the calendar operations on page 10.</p> <p>Step of management practice from (C11b): _____(No mark)</p> <p>Another step of management practice: _____(No mark)</p> <p>Justify which of the two steps of management practices above would have the greater impact on the quality of the farm animal product, in terms of consistency or uniformity, available to the specified market.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="text-align: left; padding: 2px;">Advanced</th> <th style="text-align: left; padding: 2px;">Level</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Excellent</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Moderate</td> <td></td> </tr> <tr> <td style="padding: 2px;">Low</td> <td></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> <tr> <td style="padding: 2px;">Exceed</td> <td></td> </tr> </tbody> </table>	Advanced	Level	Excellent		Moderate		Low		Weak		NR		Exceed	
Advanced	Level															
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Moderate																
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NR																
Exceed																

C12 Factors Influencing Farm Animals

The box below shows the specific factors that can influence the selected steps of the schedule of operations of your primary farm animal on page 10.

<ul style="list-style-type: none"> • <i>Land availability</i> • <i>Capital</i> • <i>Market demand</i> • <i>Specialist/technical information/advice</i> 	<ul style="list-style-type: none"> • <i>Yield</i> • <i>Labour availability</i> • <i>Technology</i> • <i>profitability</i>
--	---

C12a This question requires you to complete the table below. You must do the followings.

- Select TWO steps of management practices from the calendar of operations on page 10 to answer this question.
- Write these TWO selected steps of management practices in the respective boxes of Column 1.

C12a In Column 2, write the first selected specific factor in the box, then describe how it can influence each selected step of management practices in Column 1. Write your answer in the corresponding boxes.

C12b In Column 3, write the second selected specific factor in the box, then describe how it can influence each selected step of management practices in Column 1. Write your answers in the corresponding boxes.

You must give an example using your studied farm animal and provide relevant figures, volumes and units to support your answer.

Column 1	Column 2: Specific factor 1	Column 3: Specific factor 2
<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 150px; height: 20px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 150px; height: 20px; margin: 0 auto;"></div>
Step of management practice 1 <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Step of management practice 2 <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

<i>Assessor's use only</i>				
	Basic	Level		
		C12ai	C12aii	C12bi
Excellent				
Weak				
NR				

Part B: CROP PRODUCTION MANAGEMENT

C13 Schedule of Operations

Answer **ALL** questions. Select a locally significant produced crop product and its specific market that you have studied to answer the questions given.

Nationally significant produced crop product: _____ (No mark)

Specific market for the produced crop product: _____ (No mark)

C13a Farmers follow a sequence of steps of management practices in order to produce a crop product that meets the requirements of different markets.

On the calendar of operations below, complete a list of operations for the 10 key steps of management practices used in the production of your selected primary produced crop product that will help to achieve the requirements of the selected market. Use double-headed arrows (↔) to show when these practices are carried out. The end of each arrow should clearly show the beginning and end of the activity.

Calendar of Operations

Steps of management practices in order they are carried out	Months of the year											
	Jan	Feb	Mar	Apr	Ma	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

<i>Assessor's use only</i>	Basic	Level				
		C10ai	C10aii	C10aiii	C10aiv	C10av
	Excellent					
	Weak					
	NR					

C13b	<p>Use the calendar operations on page 14 to answer the questions that follow (C13b to C15b).</p> <p>Select TWO steps of management practices from the calendar of operations on page 14.</p> <p>Explain how each of the TWO selected steps of management practices can affect the quantity of crop product that can be expected at harvest (specific volumes and their units, per hectare or per animal, are required where relevant).</p> <p>Step of management practice 1: _____(No mark)</p> <p>i. Explanation: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Step of management practice 2: _____(No mark)</p> <p>ii. Explanation: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;">Proficient</th> <th style="width: 20%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td style="text-align: center;"> </td> </tr> <tr> <td>Moderate</td> <td style="text-align: center;"> </td> </tr> <tr> <td>Weak</td> <td style="text-align: center;"> </td> </tr> <tr> <td>NR</td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR					
Proficient	Level															
Excellent																
Moderate																
Weak																
NR																
C13c	<p>Justify which of the two selected steps of management practices detailed in (C13b) would have the greater impact on quantity at the time of harvest, compared with the other.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;">Advanced</th> <th style="width: 20%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td style="text-align: center;"> </td> </tr> <tr> <td>Moderate</td> <td style="text-align: center;"> </td> </tr> <tr> <td>Low</td> <td style="text-align: center;"> </td> </tr> <tr> <td>Weak</td> <td style="text-align: center;"> </td> </tr> <tr> <td>NR</td> <td style="text-align: center;"> </td> </tr> <tr> <td>Exceed</td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	Advanced	Level	Excellent		Moderate		Low		Weak		NR		Exceed	
Advanced	Level															
Excellent																
Moderate																
Low																
Weak																
NR																
Exceed																

C14	Quality requirements															
C14a	<p>For your crop product, describe the consistency or uniformity requirements that farmers must meet when supplying the selected market.</p> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Basic</th> <th style="width: 30%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Basic	Level	Excellent		Weak		NR							
Basic	Level															
Excellent																
Weak																
NR																
C14b	<p>Select ONE step of management practice from the calendar of operations on page 14.</p> <p>Explain, in detail, how the selected step of management practice can affect the quality requirement described in (C14a) above, during the production process.</p> <p>Selected step of management practice: _____(No mark)</p> <p>Explanation: _____</p> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Proficient</th> <th style="width: 30%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Proficient	Level	Excellent		Moderate		Weak		NR					
Proficient	Level															
Excellent																
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NR																
C14c	<p>Compare and contrast the step of management practice described in (C14b) with another management practice from the calendar on page 14.</p> <p>Step of management practice from (C14b): _____(No mark)</p> <p>Another step of management practice: _____(No mark)</p> <p>Justify which of the two steps of management practices above would have the greater impact on the quality of the product, in terms of consistency or uniformity, available to the specified market.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Advanced</th> <th style="width: 30%;">Level</th> </tr> </thead> <tbody> <tr> <td>Excellent</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> </tr> <tr> <td>Low</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> <tr> <td>Exceed</td> <td></td> </tr> </tbody> </table>	Advanced	Level	Excellent		Moderate		Low		Weak		NR		Exceed	
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