

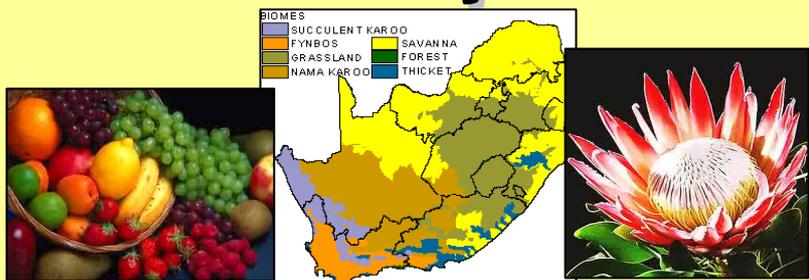
NQF Level: 1

US No: 116158

# Assessment Guide

## Primary Agriculture

# Apply Basic Agricultural Enterprise Selection Principles



Assessor: .....

Workplace / Company: .....

Class Group: ..... Date: .....

The availability of this product is due to the financial support of the National Department of Agriculture and the AgriSETA.



agriculture

Department:  
Agriculture  
REPUBLIC OF SOUTH AFRICA





**1.1**

**SO 1 AC 1 - 5**

**Instructions to Learner:**

Work in groups and answer the questions:

**Learner Workbook: Page 3**

**Facilitator Guide: Page 10 - 11**

1. Discuss the ideal soil types for the crop you produce. Explain why this soil type is ideal.

**Model Answer(s):**

Crop Specific - but make Reference to suitability of textural class; effective soil depth; water infiltration rates and water holding capacity.

2. Discuss why the soil potential in areas such as the Western Cape is higher than the soil potential in the Kalahari Desert.

**Model Answer(s):**

- a. Western Cape soils are richer in organic content and minerals, have a higher water holding capacity, and consist of soil types other than sand.
- b. Desert sands are leached, poor and sandy with low water holding capacity

**Assessor Notes ...**

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## 1.2

**SO 1 AC 1 - 5**

**Instructions to Learner:**  
Work in pairs and make notes about the following:

**Learner Workbook: Page 4      Facilitator Guide: Page 10 - 11**

1. Work in pairs and make notes about the following:

<b>Water sources for my farm:</b>	Site specific, but reference must be made to: River, dam, fountain, well, canal, mountain catchments, soil water.
<b>Type of farm we operate as related to water resources:</b>	Site specific, but reference must be made to: Specify arable/pastoral/dry-land/irrigated/etc.

**My Notes ...**

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## 1.4

SO 1 AC 1 - 5

### Instructions to Learner:

Walk around on your farm and make notes regarding the following:

Learner Workbook: Page 8

Facilitator Guide: Page 12

1. Walk around on your farm and make notes regarding the following:

**No Model Answers supplied due to geographical differences.**

General description of the topography of my area:	
General description of the climate of my area:	
Average Annual rainfall on my farm	
Elevation and slope direction on my farm:	
Prevailing wind direction on my farm:	
The crop that we produce on my farm:	
Why the climate, geographical influences, topography, etc. is particularly suited for the type of crop we produce	
What other types of crops this area would be suitable for:	



## 2.1

**SO 2 AC 1 - 4**

**Instructions to Learner:**

Discuss with a partner...

**Learner Workbook: Page 9      Facilitator Guide: Page 12**

- If you had to decide on an area where you would like to start a commercial farm, tick (✓) off the things that you would consider necessary in order to run it as an agri-business:

**No Model Answers supplied due to geographical differences.**

Pipes from the nearest water storage dam to the farm	<input type="checkbox"/>
Tarred roads on the farm	<input type="checkbox"/>
A nice house for myself to live in	<input type="checkbox"/>
Irrigation canals from the river to my farm	<input type="checkbox"/>
Access roads for delivery of stock and distribution of my crops	<input type="checkbox"/>
Telephone access to my farm (landlines or cellular)	<input type="checkbox"/>
A nice view to see whilst my workers are working on the farm	<input type="checkbox"/>

- Once you have chosen to purchase a specific farm, make a list of the structures that you think necessary to erect in order to make your business efficient.

**Motivate the use of each structure:**

**No Model Answers supplied due to geographical differences.**

Structures I would erect...	Why...





## 3.1

SO 3 AC 1 - 4

### Instructions to Learner:

Discuss as a group and record your findings

Learner Workbook: Page 11

Facilitator Guide: Page 13

### Answer the following questions for your area:

- Match the commodity with the type of farming you think best suitable for high volume, low cost production, by linking them with a line.

Cattle	Dry land; Feedlot	Battery Poultry Farming
Corn	Dry land; Irrigated	
Chickens	Battery; Dry land	Feedlot farming
Grapes	Dry land; Irrigated	
Peaches	Irrigated	Dry land farming
Tomatoes	Irrigated; Hydroponic	
Strawberries	Irrigated; Hydroponic	Hydroponic farming
Sheep	Dry land; Feedlot	
Grain	Dry land; Irrigated	Irrigated farming
Turkey	Battery; Dry land	

- Match the commodity with the level of farming you think best suitable for high volume, low cost production, by linking them with a line.

Cattle	Intensive	
Corn	Extensive	
Chickens	Extensive if not battery	Extensive Farming
Grapes	Intensive	
Peaches	Intensive	Intensive Farming
Tomatoes	Intensive	
Strawberries	Intensive	
Sheep	Extensive	
Grain	Extensive	

Turkey	Extensive	
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3. You have decided to farm with fruit. Choose the most appropriate description of the methods that you would apply & write next to it "Fruit".  
(Model Answer-dependant on fruit)

**Methods & Descriptions to choose from:**

Extensive farming	
Intensive farming	
Dry land farming	
Irrigated faming	
Hydroponics	
Feedlot farming	
Battery poultry farming	
Commercial farming	
Subsistence farming	

4. What is extensive farming?

**Model Answer(s):**

Farming systems with low inset for relative returns

5. What is intensive farming?

**Model Answer(s):**

High inset farming system with high returns

6. What does one farm on an Arable farm?

**Model Answer(s):**

Crops

7. What does one farm on a Pastoral farm?

**Model Answer(s):**

Animals

8. What does a "mixed farmer" farm with?

**Model Answer(s):**

Different crops or different animals or both crops and animals

**9.** What is the difference between subsistence & commercial farming?

**Model Answer(s):**

Subsistence for own gain and swapping.

**10.** When is dry land farming considered?

**Model Answer(s):**

When water is scarce/water restrictions are in place.  
When sufficient rainfall/soil water is available to sustain farming.

**11.** What is irrigated farming?

**Model Answer(s):**

Artificially giving water to plants.

**12.** What is hydroponic farming?

**Model Answer(s):**

Growing crops in an artificial environment where soil/water is manipulated and light conditions are controlled.

**13.** What is feedlot farming?

**Model Answer(s):**

Farming with animals in camps where their diet is controlled.

**14.** What is battery poultry farming?

**Model Answer(s):**

Farming with chickens in a building environment with diet control, light manipulation and usually in cages.

**My Notes ...**

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## 4.1

SO 4 AC 1 - 4

### Instructions to Learner:

Research and find out

Learner Workbook: Page 15

Facilitator Guide: Page 14

**Compare the production cycles for two of your favourite agricultural products:** Take down notes after discussing inputs from various members of the group:

**Model Answer not supplied due to variations between crops**

Info	Product 1 (fresh produce e.g. fruit)	Crop 2 (meat product)
What type of crop is it?		
In what month does one plant?		
What kinds of manipulations / chemical actions are done during the growth cycle?		
How long does it normally take before fruit / the crop forms?		
At what strategic points will workers have to perform actions on the crop?		
What types of actions and what will the consequences of those actions be?		
How will we know when the crop is ready for harvest?		
Which month/s of the year do we normally harvest this type of crop?		
What needs to happen to the crop after it has been harvested, but before it can be sold to the market?		
What is the time duration from planting until harvesting?		
What other factors do you know of that should be considered during this cycle?		





### Assessment Feedback Form

Comments / Remarks	
<p>Feedback to learner on assessment and / or overall recommendations and action plan for competence:</p>     	
<p>Feedback from learner to assessor:</p>     	
<p><b>Assessment Judgement</b> You have been found:</p> <p><input type="radio"/> Competent</p> <p><input type="radio"/> Not yet competent in this unit standard</p>	<p>Actions to follow:</p> <p><input type="radio"/> Assessor report to ETQA</p> <p><input type="radio"/> Learner results and attendance certification issued</p>
<p><b>Learner's Signature:</b></p>	<p><b>Date:</b></p>
<p><b>Assessor's Signature:</b></p>	<p><b>Date:</b></p>
<p><b>Moderator's Signature:</b></p>	<p><b>Date:</b></p>