



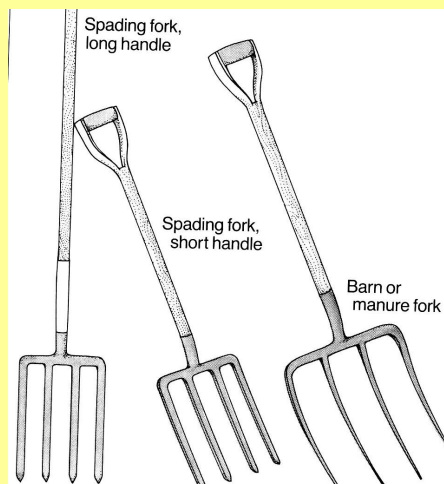
NQF Level: 1

US No: 116200

# Learner Workbook

## Primary Agriculture

# Plant crops under supervision



My Name: .....

My Workplace: .....

Commodity: ..... 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



## Before we start...

Dear Learner - on completion of the Learner Guide, you should have acquired all the knowledge and skills to be assessed against the following unit standard:

<b>Title:</b> Plant crops under supervision		
<b>US No:</b> 116200	<b>NQF Level:</b> 1	<b>Credits:</b> 4

Please read the unit standard at your own time (see Learning Guide).

## What is assessment all about?

Assessment takes place at different intervals of the learning process and includes various activities. Some activities will be done before the commencement of the program whilst others will be done during programme delivery and other after completion of the program.

The assessment experience should be user friendly, transparent and fair. Should you feel that you have been treated unfairly, you have the right to appeal. Please ask your facilitator about the appeals process and make your own notes.

## How to use this workbook ...

Your activity workbook will be handed in from time to time on request of the facilitator for the following purposes:

- The activities that follow are designed to help you gain the skills, knowledge and attitudes that you need in order to become competent in this learning module.
- It is important that you complete all the activities and worksheets, as directed in the learner guide and at the time indicated by the facilitator.
- It is important that you ask questions and participate as much as possible in order to play an active roll in reaching competence.
- When you have completed all the activities and worksheets, hand this workbook in to the assessor who will mark it and guide you in areas where additional learning might be required.
- You should not move on to the next step in the assessment process until this step is completed, marked and you have received feedback from the assessor.
- Your facilitator should identify sources of information to complete these activities.
- **Please note** that all completed activities, tasks and other items on which you were assessed must be kept in good order, as it becomes part of your **Portfolio of Evidence** for final assessment.



**1**

**SO 1 AC 1-3**

**Group work:** Brainstorm with your group and answer the following questions.

My Name:

.....

My Workplace:

.....

My ID Number:

.....

1. Name 4 different hand tools you would use during soil preparation prior to the planting of crops.

.....

.....

.....

.....

.....

2. Write down some reminders that you would relay to a team of farm workers regarding the safe use of hand tools.

.....

.....

.....

.....

**Facilitator comments:**

**Assessment:**



**2**

**SO 1 AC 1-3**

**Group work:** Divide into groups and brainstorm.

My Name: .....

My Workplace: .....

My ID Number: .....

**Which tools you are going to use for the specific crop you are going to plant?**

List the tools and also discuss the cleaning, safe handling, caring for and storing the tools.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

**Facilitator comments:**

**Assessment:**



# 3

**SO 3 AC 1-4**

**Group work:** Divide into groups and decide...

My Name:

.....

My Workplace:

.....

My ID Number:

Give 5 advantages of effective soil preparation as well as their effects on plant roots.

Advantages	Effects on the plant roots
1.	
2.	
3.	
4.	
5.	

Give 5 disadvantages of ineffective soil preparation as well as their effects on plant roots.

Disadvantages	Effects on the plant roots
1.	
2.	
3.	
4.	
5.	

**Facilitator comments:**

**Assessment:**



# 4

**SO 3 AC 1-4**

**Research:**  
Complete the following research & observation sheet.

My Name:

.....

My Workplace:

.....

My ID Number:

Choose a type of Crop that you produce on your farm. What is it?	
<b>For this type of crop – answer the following questions:</b>	
What types of soils are most appropriate?	
Name 5 steps you would take prior to planting any one plant of this type.	1.
	2.
	3.
	4.
	5.
What types of nutrients would be necessary for optimum growth of this crop?	
How would you know if there were enough of these nutrients in the soil for your crop?	
If any nutrient/s are short, how would you know how much of that nutrient to add?	
Tick off which of the following has been added to your farm's crop in the last 6-12 months.	<ul style="list-style-type: none"> <li>• lime,</li> <li>• liquid fertiliser,</li> <li>• chemical fertilisers single</li> <li>• chemical fertilizer mixtures</li> <li>• organic compost</li> <li>• potassium</li> <li>• nitrogen</li> </ul>
What symptoms could you expect to see in your type of crop if too much fertilizer was applied?	

**Facilitator comments:**

**Assessment:**



**5**

**SO 3 AC 1-4**

**Research and explore:**

Find at least 2 different types of soil.

My Name:

..... My

Workplace:

.....

My ID Number:

Divide into groups and go outside find at least 2 different types of soil (they should have a different consistency / colour / texture).  
Bring the samples back to the class.  
Write down what you discovered.

.....

.....

.....

.....

.....

.....

.....

.....

.....

**Facilitator comments:**

**Assessment:**



# 6

**SO 4 AC 1-4**

**Practical Assignment:** Perform the following tasks set out below.

My Name: .....

My Workplace: .....

My ID Number: .....

1. Prepare two beds of 1m wide x 5m for long. (Use lines and pegs for making straight beds and also make sure that you have applied your knowledge on fertilization and soil preparation).
2. One bed has to be planted with cabbage seedlings and the other with beetroot seed.
3. The spacing of the cabbage must be 50 cm between the two rows and 40 cm between plants in the row – calculate how many seedlings to obtain for the bed and get them.
4. The spacing of the beetroot must be 10 cm between the four rows in the bed and 6cm between plants in the row – calculate how many seeds you require and get them.
5. Mark the rows with pegs and lines.
6. Ask your facilitator to show you how deep to plant the seedlings and seed. (For seedlings, just cover the root ball; for seed, about 1 cm deep).
7. Do the actual planting and irrigate after planting.

**My Notes ...**

.....

.....

.....

.....

.....

.....

.....

.....

**Facilitator comments:**

**Assessment:**





**7**

**SO 4 AC 1-4**

**Research:**

Have a group discussion with your facilitator and let him explain to you:

My Name:

.....

My Workplace:

.....

My ID Number:

.....

- ◆ How to lay out a tree orchard?
- ◆ How to plant a grain crop?
- ◆ How to plant cuttings?
- ◆ How to plant trees and shrubs?

**Write down what you found out**

.....

.....

.....

.....

.....

.....

.....

.....

.....

**Facilitator comments:**

**Assessment:**

# Assessment Feedback Form

Comments / Remarks	
<p><b>Feedback to learner on assessment:</b></p>	
<p><b>Feedback from learner to assessor:</b></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>

# Am I ready for my test?

- Check your plan carefully to make sure that you **prepare in good time**.
  - You have to be found **competent** by a qualified **assessor** to be declared competent.
  - Inform the assessor if you have any **special needs** or requirements **before** the agreed date for the test to be completed. You might, for example, require an interpreter to translate the questions to your mother tongue, or you might need to take this test orally.
  - Use this worksheet to help you prepare for the test. These are **examples of possible questions** that might appear in the test. All the information you need was taught in the classroom and can be found in the learner guide that you received.
1. **I am sure** of this and understand it well
  2. **I am unsure** of this and need to ask the Facilitator or Assessor to explain what it means

Questions	1. I am sure	2. I am unsure
1) I know the names and functions of tools and materials.		
2) I know the principles of planting a crop correctly.		
3) I can use sight and touch to achieve the planting of plants.		
4) I know the safe handling procedures of tools and materials.		
5) I know the procedures to maintain the hygiene of tools and materials in order not to cross contaminate.		
6) I know the methods and procedures for planting crops correctly.		
8) I can describe the methods to ensure that planting material do not suffer from root shock.		
9) I know how to determine the correct planting depth for crops.		
10) I know the policies and procedures of the Occupational Health & Safety act.		

# Checklist for practical assessment ...

Use the **checklist** below to help you prepare for the part of the practical assessment when you are observed on the **attitudes** and **attributes** that you need to have to be found competent for this learning module.

Observations	Answer Yes or No	Motivate your Answer (Give examples, reasons, etc.)
Can you identify problems and deficiencies correctly?		
Are you able to work well in a team?		
Do you work in an organised and systematic way while performing all tasks and tests?		
Are you able to collect the correct and appropriate information and / or samples as per the instructions and procedures that you were taught?		
Are you able to communicate your knowledge orally and in writing, in such a way that you show what knowledge you have gained?		
Can you base your tasks and answers on scientific knowledge that you have learnt?		
Are you able to show and perform the tasks required correctly?		
Are you able to link the knowledge, skills and attitudes that you have learnt in this module of learning to specific duties in your job or in the community where you live?		

- The assessor will complete a checklist that gives details of the points that are checked and assessed by the assessor.
- The assessor will write commentary and feedback on that checklist. They will discuss all commentary and feedback with you.
- You will be asked to give your own feedback and to sign this document.
- It will be placed together with this completed guide in a file as part of your portfolio of evidence.
- The assessor will give you feedback on the test and guide you if there are areas in which you still need further development.

# Paperwork to be done ...

Please assist the assessor by filling in this form and then sign as instructed.

Learner Information Form				
Unit Standard	<b>116200</b>			
Program Date(s)				
Assessment Date(s)				
Surname				
First Name				
Learner ID / SETA Registration Number				
Job / Role Title				
Home Language				
Gender:	Male:		Female:	
Race:	African:	Coloured:	Indian/Asian:	White:
Employment:	Permanent:		Non-permanent:	
Disabled	Yes:		No:	
Date of Birth				
ID Number				
Contact Telephone Numbers				
Email Address				
Postal Address				Signature: