



NQF Level: 1

US No: 116198

Learner Workbook

Primary Agriculture

Harvest Animal Products



My Name:

My Workplace:

Commodity: Date:

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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:

Title: Evaluate Basic External Animal Anatomy and Morphology

US No: 116198

NQF Level: 1

Credits: 5

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.
- ◆ Sources of information to complete these activities should be identified by your facilitator.
- ◆ **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

Group discussion; and Self test.

My Name:

My Workplace:

My ID Number:

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In a group discussion you are assigned to list as many products of animal origin that you can think of within your group and report back to the other groups at the end of the session.

- List as many products of animal origin.

- List the different ways in which the products you listed can be harvested; what the financial value of the product is and the use of the product.

Product	Different ways of harvesting	Financial value	Use of product

3. Can the product be stored without special equipment?

4. Give a full description of how to harvest one of the products you listed.

SELF TEST

Now that you have studied a few animal products, answer the following questions by matching the statement with an answer in the possible answer column. Just write the correct letter next to the question statement.

1	Cows produce milk after...	A	Manufacturing of strong woolen material.
2	The length of the wool fibre is important for...	B	Egg production
3	The diameter of a wool fibre is important for...	C	A calf is born
4	Daylight length plays an important role in...	D	Shoes and clothes
5	Animal horns and hooves are used to manufacture...	E	Phosphorous supplement for plants
6	Animal skins are used to manufacture...	F	Manufacturing woolen material that is of high quality and softness
7	Animal bones can be ground and used as...	G	Glue
8	Ostriches produce ...	H	Butter
9	Most meat are classified to inform the customer of its...	I	Meat and feathers
10	Byproducts of milk...	J	Quality

Facilitator comments:

Assessment:



2
SO 2

Group homework, Individual written report and Self test

My Name:

My Workplace:

My ID Number:

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In a group homework assignment you are assigned to list as many animal products as you can and find out by consulting a book or by asking a farmer how certain animal products are harvested.

a) Find out why that product is harvested at a certain stage.

List Product	Reason for the product harvested at a certain stage

b) Report back to the class and discuss your answers in the classroom

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SELF TEST

Now that you studied the harvesting of a few animal products, answer the following questions by matching the statement with the answer from the possible answer column. Just write the correct letter next to the question statement.

1	Fine, long mohair is...	A	More sort-after than that from the body
2	Ostrich feathers from the wings are...	B	Fat on their bodies than that of older animals
3	Young, well-fed calves will have less...	C	More expensive then short fine mohair
4	Hair produced by young angora goats will have a...	D	Down.
5	The very light fine feathers produced by geese and ducks, between their feathers are called...	E	Smaller fibre diameter than that of older animals
6	Wool is shorn most of the time between...	F	Six months
7	Mohair is shorn most of the time at intervals of...	G	Forty five percent of the live body mass
8	Young calves are slaughtered depending on their...	H	Twenty five millimeters a month
9	The mass of a lamb's carcass will be approximately...	I	Fatness
10	Mohair grows approximately at...	J	Eight and Twelve months growth

My Notes ...

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Facilitator comments:

Assessment:



3a

SO 3

Individual assignment and report.

My Name:

My Workplace:

My ID Number:

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- List as many of the scarce animal products as possible.

- Determine what they are used for and their characteristics especially the characteristics and names of the final product.

Use of product	Characteristics	Name of final product

3. Find out how the product is produced and harvested and the potential it has as a farming entity

How product is Produced / Harvested	Potential as a farming entity

4. Report back to the class so that it can be discussed and evaluated by the class.

Facilitator comments:

Assessment:



3b
SO 3

Individual homework.

My Name:

My Workplace:

My ID Number:

In an individual homework assignment you are assigned to:

- a) Look for articles and advertisements in agricultural books on the different milking machines that are available as well as storing equipment such as cold storage tanks that farmers can use to store their milk after it is extracted from the cow by the milking machine.
- b) Study their design and operation and discuss within the class. Capture your results below.

[Large dashed rectangular area for student response]

Facilitator comments:

Assessment:



4
SO 4

Group Field-trip; discussion and individual report.

My Name:
My Workplace:
My ID Number:

During a group field trip to either a sheep shearing shed or dairy (or any other farm where animal product harvesting occurs) you are assigned to
At the sheep shearing shed on a farm:

- The farmer will demonstrate the correct procedure to shear the sheep and to class the wool. You will notice the different equipment that is used to sort the wool into bins and later to press it into bales. You must also be able to answer some questions on the harvesting of wool
- Make notes of the procedure so that you understand the procedure in a broad sense.

[Large dashed box for notes]

Facilitator comments:

Assessment:

At the milking parlor:

- The farmer will demonstrate the milking process and the procedures that he must follow to ensure that he produced milk in the most hygienic way. You must be able to answer some questions on the harvesting of milk.
- Make notes of the procedure so that you understand the procedure in a broad sense.

A large rectangular area with a dashed border, intended for taking notes.

Facilitator comments:

Assessment:

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. Name 5 products of animal origin.		
2. Name 3 less well-known products of animal origin		
3. How is meat harvested?		
4. What are the norms and guidelines that describe the grades of animal products called?		
5. Name 2 factors that are important for meat quality.		
6. Name 2 factors that are important for fibre quality.		
7. What is used to extract milk from cows?		
8. What external factor that can be manipulated by a modern farmer influences egg production?		
9. Name the raw product of animal origin that is used to manufacture glue and gelatin.		

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 you 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	116198			
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: