

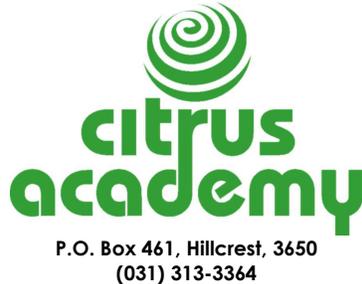
LEARNER WORKBOOK

Production Management



Title:	Execute Sustainable Resource Use and Quality Control						
Applied Title:	Execute Sustainable Resource Use and Quality Control						
Field:	Agriculture and Nature Conservation						
Sub-Field:	Primary Agriculture						
SETA (SGB):	AgriSETA						
Skills Area:	Production Management						
Context:	Sub-tropical fruit Production						
US No:	116288	Level:	4	Credits:	3	Notional Hours:	30
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Directions

This material is aimed at learners wishing to complete this unit standard. The guide contains all necessary activities and instructions that will enable the assessor and learner to gather evidence of the learner's competence as required by the unit standard.

This guide is designed to be used by the learner with guidance from a facilitator and a trained assessor to develop competence in all knowledge, skills and attitudes required by this unit standard.

This guide contains step-by-step instructions for the assessment process. These steps are as follows:

<i>Step</i>	<i>Description</i>	<i>Timeframe</i>
1	Learner Assessment Contract	Before delivery of program
2	Learner Declaration of Authenticity	Before delivery of program
3	Learning Assumed to Be in Place	Before delivery of program
4	Learner Assessment Plan for Gathering of Evidence	Before delivery of program
5	Assessment Activity Workbook	During delivery of program, assessment after delivery of program
6	Learner Presentation	After delivery of program
7	Practical Assessment	After delivery of program
8	Re-assessment Procedures	After completion of assessment
9	Documentation	After completion of assessment
10	Administration and Completion of Portfolio of Evidence	After completion of assessment

Step 1

Learner Assessment Contract

The assessor and / or the facilitator holds a pre-assessment briefing with you before the learning program starts in order to guide you and assist you to make sure that you understand exactly what is expected from you in order to become competent in this learning module.

As part of the pre-assessment briefing, the learner assessment contract must be signed. The assessor will assist you and explain the agreement to you in detail.

Learner Assessment Contract	
Learner's Name:	
Assessor's Name:	
Unit Standard:	116288
Your rights as a learner are:	
<ol style="list-style-type: none"> 1. You have a right to appeal against any judgment given as a result of any assessment. You must have valid reasons for doing this. 2. You have the right to an interpreter if you need one. However, if one of the learning assumptions for the unit standard is that you are competent within the language of assessment, you may not have an interpreter. 3. You can ask that an impartial observer attend any assessment. This observer may not take any part in the assessment. 4. If you do not agree with the assessment, you have the right to have your assessment internally moderated. If you still do not agree with the result of the assessment you can ask that the ETQA to perform an external moderation on the assessment. If any verification upholds the assessment findings, you will be held liable for all the costs of the verification. If any verification rules that you have been aggrieved as a result of the assessment, your assessor will be held liable for all cost of verification. 5. If during the assessment you are found not yet competent, your assessor will encourage you to master the areas where you have not reached competency. This will be recorded on a development plan. You are required to arrange with the assessor for a new assessment schedule. The assessor can only permit three such re-assessments. If a learner has not reached mastery after three additional attempts, the assessor reserves the right to remove you from the program. 	
<u>Qualification</u>	
This standard leads to the award of credits for unit standard 116288. Once the assessment is complete application will be made to register and certify you for that standard with the AgriSETA. You may contact the assessor or facilitator at any time for information to assist you with further studies.	
<u>Confidentiality</u>	
Each assessment application, the outcomes, results and reviews will be treated as a confidential matter by you, the learner, the facilitator(s), assessor(s), and moderator(s). No references will be made to anyone or any organisation outside the SETA about the status of an application during the assessment process.	

Consent

I, the learner, hereby state that I have read the above and understood the contents thereof. I was given the opportunity to clarify any issues relating to the assessment process and my assessment plan. I have requested this assessment of my own free will and without duress.

Learner's Signature		Date:	
Assessor's Signature		Date:	

Step 2

Learner Declaration of Authenticity

It is important that we make sure that each learner supplies original evidence completed by himself / herself and according to the level of knowledge and skill that he / she has acquired from the learning process.

Please sign the following declaration:

I hereby declare that the following documentary evidence is my own. I certify that the process followed was ethical and did not infringe on the copyright of any individual or organisation.			
Learner's Signature		Date:	
Assessor's Signature		Date:	

Step 3

Learning Assumed to Be in Place

Do you have all the knowledge and skills necessary to begin this learning process?

This is a level 2 module of learning, and we have to make sure that you have already learnt all the skills, knowledge and attitudes that you will need to use in this module. It will help you to understand and learn more easily in this module, and it is important that we know whether you are ready to move on.

Please look at the list of unit standards below of modules that you should have completed before undertaking this one. Tell us whether you have completed each of the unit standards or modules, and if you did, tell us when you learnt this.

If you need help in understanding this list, please ask the facilitator or assessor.

<i>NQF Level</i>	<i>Unit Standard Number</i>	<i>Learning Module Name</i>	<i>No, I Have Not Completed It</i>	<i>Yes. I Have Completed It</i>	<i>If Yes, When Did You Complete It?</i>
3		Literacy and Numeracy			
3	116218	Explain the planning and scheduling of tasks in a production environment			
3	116240	Explain store inputs categories, labelling and storage methods			
3	116237	Explain costing and the viability of an agri-business			
Learner's Signature			Date:		
Assessor's Signature			Date:		

Step 4

Learner Assessment Plan for Gathering of Evidence

As the assessor has explained to you, the aim of an assessment is not to catch you out, but rather to help you develop all the skills, knowledge and attitudes that you need to move forward. It is important that you know what is expected from you and that you play an active role every step of the way.

Let us plan for the assessment together. Below are the steps that you have to work through in order to show that you are competent in this module. Check them carefully and discuss each step with the assessor. Agree with the assessor on the dates on which each step has to be completed or documents handed in. Write the dates in the right-hand column as a reminder.

Learner Assessment Plan		
Module / Unit Standard Name:	Execute Sustainable Resource Use and Quality Control	
Module / Unit Standard Registration Number:	116288	
<i>Step Number</i>	<i>Step Description and Learner's Tasks</i>	<i>Completion / Submission Date</i>
5	<p><i>Assessment Activity Workbook</i></p> <ul style="list-style-type: none"> • In this step, you complete certain tasks in class or as homework. • It is important that you complete every task and understand why it is necessary, because it will help you to gain the knowledge, skills and attitudes that you need to be found competent in this learning module. • If there are things that you are unsure about, please ask the facilitator or the assessor to explain it to you again. • You hand in the completed workbook to the facilitator or assessor who will help you to check your progress. • The assessor or facilitator mark it and discuss areas that need more work with you. 	
6	<p><i>Learner Presentation</i></p> <ul style="list-style-type: none"> • There are many important things that you need to remember about production management in order to be found competent in this learning module, and so that you can do your job well and move on to level three. • You have to do a presentation to check if you have gained all this knowledge. • There is a detailed list of things that you need to know in this guide and examples of the types of questions that you could be asked. • Please prepare yourself well and remember to ask the facilitator or assessor to explain anything that you do not understand. 	
7	<p><i>Practical Assessment</i></p> <ul style="list-style-type: none"> • You have to develop very specific character traits and attitudes and have to be able to do very specific tasks to be competent in this learning module, be good in this job, and to be able to move on to level three. • Going out into the field and showing and explaining certain skills and 	

	<p>attitudes, is the most appropriate way for you to show that you are competent in the skills and attitudes that are needed.</p> <ul style="list-style-type: none"> You will have an opportunity to practice these tasks and develop these attitudes during your practical learning module. There is a list of all the things that you would have to be able to show and explain in this guide. Please prepare yourself well and remember to ask the facilitator or assessor to explain anything that you don't understand. 	
8	<p><i>Re-Assessment Procedure</i></p> <ul style="list-style-type: none"> What if the assessor tells you that you have not met the right standard or that you still need more evidence to prove your competence? The assessor explains to you exactly what you need to do or learn to become competent. You and the assessor and / or facilitator, develop an action plan together, and you may be granted a second or even a third opportunity to prove your competence. Remember you have the right to appeal against the assessor's decision, if you feel it is unfair. There is a copy of the form in the back of this guide if you need it. 	
9	<p><i>Paperwork</i></p> <ul style="list-style-type: none"> If you have met the standard that is explained for each step of the process you will be found competent in this unit standard. The assessor will discuss everything with you in detail and will ask you to fill in and sign forms throughout the process. You will also be given an opportunity to write down any comments you might have on the assessment process. Once the assessor has given you the final declaration of competence, you will be asked to give some feedback in order to help everyone to improve the learning and assessment process. Please think carefully. It might really help other learners in the future. 	
10	<p><i>Administration and Completion of Portfolio of Evidence</i></p> <ul style="list-style-type: none"> All the documents, or copies of them, must be kept on file as part of your portfolio of evidence. 	
<p><i>Into the Future</i></p> <ul style="list-style-type: none"> The assessor will discuss what happens next and when you will get a certificate of competence. It is also important to remember that you learnt this module for a specific reason. Discuss with the assessor, facilitator, mentor, and / or coach how you can move forward in your career with this level of competence. Also remember that the learning process never stops. Plan together with the assessor, facilitator, coach, and / or mentor what you need to learn next. 		
Learner's Signature		Date:
Assessor's Signature		Date:

Step 5

Assessment Activity Workbook

- 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.

Activity 1 – Worksheet

Complete the following table with reference to your own farm in order to determine the availability and sources of resources available to you.

<i>Resource Type</i>	<i>What quality standard is required for a sub-tropical fruit farm</i>	<i>What quantity is generally required per hectare for sub-tropical fruit</i>	<i>Possible sources and references for this type of resource</i>
Climatic Features			
Land			
Water			
Nursery trees			
Capital			
Labour			
Fertiliser			
Machinery and tools			

Activity 2 – Report Writing

Choose one type of sub-tropical fruit and write a short paragraph with statistical information regarding the theoretical breakeven input quantities compared to actual input quantities per hectare for sub-tropical fruit production.

Assessment Feedback Form – Activity Workbook

		Comments / Remarks	
Feedback to learner on assessment			
Feedback from learner to assessor			
Learner's Signature		Date:	
Assessor's Signature		Date:	

Step 6

Research Study and Multimedia Presentation

You are now ready for step six of the assessment process, the completion of a research study for your own organisation, with a multimedia presentation of your findings and recommendations. Review the criteria and requirements listed below and plan carefully to make sure that you complete your research and presentation in good time and according to the requirements.

Your research study has to be documented and handed in as part of your portfolio of evidence. Your findings and recommendations has to be presented to the assessor and members of the management of your organisation, who will give you feedback on the validity thereof, and your reflected competence in terms of this specific unit standard.

You have to score an overall mark of at least 85% in this task in order to be found competent.

Inform the assessor if you have any special needs or requirements **before** the agreed date for the hand in of the assessment task. You might, for example, require an interpreter to translate the questions to your mother tongue, or you might need to take this test orally. Please write your request down in your activity workbook on the front page and explain why you have made this request. Ask the assessor to sign next to your request to prove that they are aware of your special request.

Use this checklist to help you plan and prepare. All the information you need was taught in the classroom and can be found in the learner guide that you received.

Do research for the organisation or farm where you are currently employed or completing the practical section of your learning program on the following topic: Quality assurance systems for a sub-tropical fruit farm: How our organisation measures up to the resource challenge necessary to ensure Quality Assurance effectively. How we can improve the application of the resources available to improve the efficiency of the Quality Management System for a more sustainable future	
Report and make your presentation according to the following framework:	
The degree to which resource planning is performed by identifying the status and availability of the required resources.	
<ul style="list-style-type: none"> • Describe the ideal sustainable usage of resources and make comparisons to the organisation in question. 	
<ul style="list-style-type: none"> • Compare required and available resources with the production plan, incorporating all the available resources and information to produce the desired output at sustainable levels for the sub-tropical fruit producer in question. 	
<ul style="list-style-type: none"> • Ensure that you take into account and report on applicable legal requirements and the boundaries it puts on the agricultural processing activities 	
Determine the scope of the enterprise / production unit, referring to the extent in financial, resource, inputs, outputs and physical terms.	
<ul style="list-style-type: none"> • Explain the concept economies of scale. 	
<ul style="list-style-type: none"> • The effect of the factors that determine the size of an enterprise / production unit should be identified and explained. 	

<ul style="list-style-type: none"> The factors that influence the size of the enterprise and determine on the level on which the business will be able to operate (i.e. small, medium or large) should be identified and evaluated. 	
<p>Apply the principles of quality management systems.</p>	
<ul style="list-style-type: none"> Refer to all the steps and actions in the quality control process to ensure a certain production level and quality and include procedures such as Work Study, proprietary systems such as TQM, QES, ISO, HACCP, EurepGAP, simple adjustments, internal development, etc. 	
<ul style="list-style-type: none"> Define the concept of quality as applicable to the specific organisation. 	
<ul style="list-style-type: none"> Explain the principles and components of quality management systems applied. Include the steps that have to be followed during quality control inspections, customer-supplier chains and specific terms used within quality management systems (such as Price of Non-Conformance, Zero Tolerance, etc.) 	
<ul style="list-style-type: none"> Make recommendations on alternate quality management methods that can be followed and develop / select a relevant quality control method for the organisation. 	
<p>Make recommendations on how best to integrate the concept of quality control into the production process for the organisation.</p>	
<ul style="list-style-type: none"> Gather and process data gleaned off production and processing systems related to product quality 	
<ul style="list-style-type: none"> Investigate and report on attributes of the production process that relate to the product's quality 	
<ul style="list-style-type: none"> Evaluate the impact of various procedures, systems and methodologies on the quality of products produced. 	
<ul style="list-style-type: none"> Develop a cost-benefit analysis regarding the effect of such processes and procedures 	
<ul style="list-style-type: none"> Give an overview by means of a simple flowchart or schematic of the communication that will have to be developed and produced by the organisation to demonstrate and motivate the implementation of changes in the processing related to the product and its quality management system. This may include a list and examples, if possible, of reports, presentations, shows, demonstrations, visits, books and pamphlets. 	
<ul style="list-style-type: none"> Assess the current quality of the production process and recommend specific remedial actions that can improve the situation in the future. 	

The assessor or facilitator has explained this step to me and I have revised these questions.			
Learner's Signature		Date:	
Assessor's Signature		Date:	

The assessor will give you feedback on the test and guide you if there are areas in which you still need further development.

Subject Matter Expert / Workplace Mentor Confirmation	
I hereby confirm that the above key notes are a reasonable reflection of the minutes of the production meetings attended by the learner.	
Experiential Learning Time (hours):	
Name and Surname of SME / Workplace Mentor:	
Contact Details of SME / Workplace Mentor:	
Date:	
Signature:	

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.

<i>Observations</i>	<i>I Am Sure of This and Understand It Well</i>	<i>I Am Unsure of This and Need to Ask the Facilitator or Assessor to Explain What It Means</i>
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.

Step 8

Re-Assessment Procedure

The assessor will discuss in detail with you what to do in case you require a re-assessment, and when the re-assessment will take place.

Step 9

Paperwork

Please assist the assessor by filling in these forms and signing then as instructed.

Learner Information Form				
Unit Standard	116288			
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				



Learner Assessment Re-Actionnaire			
Questions		Response	
How did the assessor encourage you to be involved in the assessment process?			
Did the assessor take your special needs into account? If so, how?			
Did the assessor agree on the assessment procedures with you?			
Was feedback relevant to your needs?			
Were you always aware of the outcome of the assessment?			
Did the assessor help you to explore ways of becoming competent whenever you were judged NYC?			
Did the assessor allow you to ask questions?			
Did you always agree with assessment decisions?			
Was all appropriate documentation completed and signed and did you receive copies?			
Did the assessor assist or prevent you in any way when gathering evidence so as to obscure its authenticity?			
All the evidence submitted in my name is my authentic work, which was not acquired by any unethical means.			
Learner's Signature		Date:	
Assessor's Signature		Date:	
Moderator's Signature		Date:	



Assessor's Assessment Review and Improvement Document	
Issues	Comments
Did the assessment go according to plan?	
Did anything unexpected happen?	
Were you pleased with the assessment decision; i.e. was it what you expected?	
How could the process have been carried out more efficiently?	
How could the process of assessing the knowledge be improved?	
How could the Performance Observation checklist be improved?	
Was the evidence you gathered sufficient to make a judgment of competence?	
Was the way you obtained feedback from the learner effective?	
Were you pleased with the way you communicated your decision to the learner? If not, how could this have been improved?	
How would you improve the assessment process?	

Assessment Appeal Form

Any candidate has the right of appeal against any not-yet-competent decision by the assessor. If you wish to appeal, please complete the form below.

Appeal Form			
I hereby appeal against the outcome of my assessment.			
Date:			
Learner's Name:			
Assessors Name:			
Organisation:			
Assessment Details: Criteria, role, standards Used, etc.			
Issue to be Reviewed:			
Learner's Signature		Date:	
Assessor's Signature		Date:	

Step 10

Administration and Completion of Portfolio of Evidence

All the documents or copies thereof, as prescribed previously, must be kept on file as part of the learner portfolio of evidence.