



Citrus Orchard Foreman Occupational Learning

Work Scenario Guide

I8: Asset Storage

Qualification:	110667 – Occupational Certificate: Orchard and Vineyard Foreman
Work Scenario:	I8: Asset Storage
Learning Area:	I: Oversee the management and maintenance of production infrastructure, machinery and equipment
Scenario Description:	You need to oversee the safe storage of vehicles, machinery, tools and equipment, to ensure that assets are kept in good condition, safe from sabotage, theft, or decay due to improper storage.

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Alignment Information

Qualification

The content of this learner guide is aligned to the following occupational qualification:

SAQA QUAL ID	Qualification Title			
110667	Occupational Certificate: Orchard and Vineyard Foreman			
Originator				
Development Quality Partner – AgriSETA				
Primary Or Delegated Quality Assurance Functionary			NQF Sub-Framework	
-			OQSF - Occupational Qualifications Sub-Framework	
QUALIFICATION TYPE		FIELD		SUBFIELD
Occupational Certificate		Field 01 - Agriculture and Nature Conservation		Primary Agriculture
Abet Band	Minimum Credits	Pre-2009 NQF Level	NQF Level	Qual Class
Undefined	147	Not Applicable	NQF Level 04	Regular-ELOAC

Modules

The content of this learner guide is aligned to the following modules of the occupational qualification above.

Module Code	Module Title	Level	Credits
Knowledge Modules			
611202-001-00-KM-01	Plant Structure and Physiology	4	5
611202-001-00-KM-02	Vineyard or Orchard Establishment	3	2
611202-001-00-KM-03	Vineyard or Orchard Manipulation Processes	3	8
611202-001-00-KM-04	Harvesting	3	4
611202-001-00-KM-05	Basic Principles of Plant Nutrition	4	4
611202-001-00-KM-06	Crop Protection	3	3
611202-001-00-KM-07	Assets in Horticultural Production	3	2
611202-001-00-KM-08	Farm Business Management and Farming Process Management	4	8
611202-001-00-KM-09	Human Resource Management and Processes	4	8
611202-001-00-KM-10	Overseeing Farming Resource Utilisation	4	8
Practical Skill Modules			
611202-001-00-PM-01	Organise, Allocate and Monitor Availability and Productive Use of Resources	4	5
611202-001-00-PM-2a	Set Team and Individual Performance Goals to Enhancing Team Performance	4	10
611202-001-00-PM-2b	Control Vineyard or Orchard Practices	4	10

611202-001-00-PM-03	Supply Accurate Daily Orchard or Vineyard and Production Information	4	10
Work Experience Modules			
611202-001-00-WM-01	Vineyard or Orchard Resource Optimisation	4	20
611202-001-00-WM-02	Skilled and Motivated Work Team Output	4	20
611202-001-00-WM-03	Daily Orchard or Vineyard and Production Information Availability	4	20

Learning Outcomes

The content of this learner guide is aligned to the following learning outcomes of the modules above.

Knowledge Topics	
Outcome Code	Module Title
KM-07-KT02	Use and storage of on-farm infrastructure, systems, tools, equipment and machinery
IAC0205	Storage requirements for a range of on-farm tools, equipment and machinery
IAC0206	The importance of compliance with sound storage requirements are justified
IAC0207	The effect of poor storage activities on the serviceability of on-farm tools, equipment and machinery is analysed
Practical Skills	

Chapter 1

Asset Storage

learning outcomes

The content of this chapter is aimed at helping you to:

- Manage the storage of on-farm assets.

1. Asset Storage

Assets are often complicated pieces of equipment or machinery, and storing them properly is essential for keeping them functional and in good condition. Proper storage practices can also protect assets from environmental damage, and save on maintenance costs in the long term. Finally, storing assets properly keeps them safe from theft, vandalism, or accidental damage. Storage areas should be safe from weather, secure, as close to the work area as possible, and well-ventilated.

2. Storage Facilities

There are a few different types of storage facilities, and different assets are stored in different ways. Firstly, indoor storage facilities are the main way of storing small assets that can be easily moved. These are the most secure and safe storage facilities.

Some assets are best stored outdoors, such as in a covered parking lot. These assets are usually larger equipment which are too big for indoor storage. These storage spaces provide some protection from the elements, but indoor storage is always best.

3. Preparing Assets for Storage

Before placing any asset into storage, there are a few ways you should prepare the asset.

3.1. Cleaning

Firstly, all assets should be cleaned thoroughly. Use the appropriate cleaning product and water to remove any dirt, grease, plant material, and other debris that could cause rusting, clogging, or other damage to the asset. Pay special attention to areas such as air filters, hydraulic systems, and exhausts. For equipment like tractors and harvesters, you should clean underneath and around the chassis to prevent build-up of mud.

3.2. Battery Care

Many large assets, including tractors, harvesters, and irrigation pumps, rely on batteries to function. These batteries must be carefully stored to maintain their charge and extend their lifespan.

If you plan to store the asset for an extended period, you should disconnect the battery to prevent discharge. If you remove the batteries, you should store them in a cool, dry place. Keep them off the floor, and periodically check their charge and condition.

3.3. Tyre Care

Tyres should be properly inflated to the manufacturer's recommended pressure before storing. If you plan to store the equipment for a long time, you should consider supporting it on blocks to relieve pressure on the tyres. If possible, cover tyres with a tarp or protective covers to shield them from direct sunlight and UV rays, which can cause the rubber to deteriorate.

4. Maintaining Stored Assets

Even if assets are properly stored, you must still ensure that you maintain them properly, even in storage. Assets should be regularly inspected for potential issues such as leaks, rust, or electrical problems. You should regularly schedule inspections, particularly before harvest and other intensive periods of production.

If the assets are stored outside or for a long period, you should use tarps or covers to protect them from dust, dirt, moisture, and sunlight. For large vehicles like tractors and harvesters, you should make sure that the cover is breathable to allow for air circulation.

Pests such as rodents can damage electrical wiring, insulation, and other parts of machinery. You should use pest control measures such as traps or rodent repellents, to prevent infestations in storage areas. You should ensure that storage areas are sealed and free from gaps where rodents can enter.

All assets and storage areas must be clearly labelled. Any assets stored for long periods must be marked with a clear indication of their last maintenance date, inspection, and any repairs performed.

summary

Chapter 1 – Asset Storage

- Storing assets properly keeps them functional and in good condition, protects them from environmental damage, keeps them safe and secure, and saves on maintenance costs.
- Indoor storage facilities are the main way of storing small assets that can be easily moved, and are the most secure and safe storage facilities.
- Larger assets may be stored outside, which provides some protection from the elements, but indoor storage is always best.
- Before storing any asset, it should be cleaned thoroughly, using the appropriate cleaning product and water.
- Many large assets, including tractors, harvesters, and irrigation pumps, rely on batteries to function.
- These batteries must be carefully stored to maintain their charge and extend their lifespan.
- Tyres should be properly inflated to the manufacturer's recommended pressure before storing.
- Even if assets are properly stored, you must still ensure that you maintain them properly, even in storage.
- Assets should be regularly inspected for potential issues such as leaks, rust, or electrical problems.
- If the assets are stored outside or for a long period, you should use tarps or covers to protect them from dust, dirt, moisture, and sunlight.

- Pests such as rodents can damage electrical wiring, insulation, and other parts of machinery, and should be kept out of the storage area.
- All assets and storage areas must be clearly labelled.

assessment activities

- ✓ **Activity P1:** Complete this activity to test your knowledge of asset storage.
- ✓ **Activity F1:** Complete this activity to test your knowledge of the entire module.