
Citrus Orchard Foreman Occupational Learning

Progressive Activities Assessment Guide

L1:
**Sustainability and
Environmental
Management**

Copyright ©



P.O. Box 461, Hillcrest, 3650
(031) 765-3410



© Citrus Academy 2026

1st edition (06/2026)

Content originator:
Citrus Academy

Occupational alignment:
Ukudla Namanzi (Pty) Ltd

Disclaimer

By accepting this document and reading its contents you agree to be bound by the terms of this disclaimer.

The use of the contents of this document is at your own risk. Neither the Citrus Academy NPC nor Citrus Research International (Pty) Ltd or the Citrus Growers' Association NPC warrant that the content of this document is suitable for your intended use or that it is free of inaccuracies or omissions. The opinions and advice expressed in this document are not necessarily those of the Citrus Academy NPC, Citrus Research International (Pty) Ltd or the Citrus Growers' Association NPC. The Citrus Academy NPC, Citrus Research International (Pty) Ltd and the Citrus Growers' Association NPC, their directors, officers, employees, agents and contractors shall not be liable for any loss or damage of any nature suffered by any person as a direct or indirect result of the use of, or inability to use any advice, opinion or information contained in this document, or any misrepresentation, misstatement or omission, whether negligent or otherwise, contained in this document.

You indemnify the Citrus Academy NPC, Citrus Research International (Pty) Ltd and the Citrus Growers' Association NPC against any claim by any third party against the Citrus Academy NPC, Citrus Research International (Pty) Ltd or the Citrus Growers' Association NPC, their directors, officers, employees, agents or contractors arising from, or in connection with, the use of, or reliance on, the contents of this document. It is your responsibility to determine suitability of the contents of this document for your intended use.

Contents

Chapter 1 Activity P1	4
Chapter 2 Activity P2	5

Chapter 1

Activity P1

Complete this activity to test your knowledge of the entire chapter:

1. What is sustainability in the context of farming?

Farming in a way that we do not damage our environment to the point where we can no longer farm there.

2. What is a resource?

A natural or man-made element that can be used to meet human needs.

3. What are the two types of resources?

Renewable and non-renewable.

4. Are natural resources renewable or non-renewable?

They can be either.

5. What is energy?

Energy is the ability to do work.

6. What are the most common alternative energy sources?

Solar, wind, water, nuclear, and biodiesel.

7. Which of the above alternative energy sources can work anywhere if the appropriate infrastructure is built?

Nuclear and biodiesel.

8. Which of the above alternative energy sources require a specific environment to work?

Solar, wind, and water.

Chapter 2

Activity P2

Complete this activity to test your knowledge of the entire chapter:

1. Why is biodiversity important for the health of ecosystems?

A variety of organisms is necessary otherwise ecosystems collapse and disappear.

2. Why is agriculture a threat to biodiversity?

Agriculture aims at establishing a majority of one species of plant or animal in an ecosystem.

3. What principle should be used to limit the negative impact of agriculture as far as possible?

Sustainability.

4. Name two of the most important aspects of maintaining biodiversity:

Proper planning before orchard establishment, effective management for the orchard lifespan, and careful agrochemical usage.