
Citrus Orchard Foreman Occupational Learning

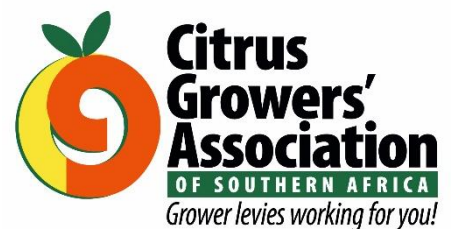
Formative Activities Assessment Guide

B4: Irrigation Installation

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Contents

Activity F1 – Workplace Irrigation Installation

4

Activity F1 – Workplace Irrigation Installation

Answer the following questions while completing your practical work and work experience:

1. Describe the irrigation system used on your farm:

Pertinent Information	Marks Awarded:
Flood / mobile / static irrigation system	1

2. Why was this system chosen?

Pertinent Information	Marks Awarded:
Learners' answers will vary based on the system, but the following factors should be discussed in their reasoning:	
Electricity availability	1
Land area availability	1
Water availability	1
Location of farm	1
Location of orchards	1

3. Describe the available water on your farm, in terms of availability and quality:

Pertinent Information	Marks Awarded:
Availability of water	1
Physical water quality	2
Chemical water quality	2
Biological water quality	2

4. What kind of soil is found on your farm and how did this affect the choice of irrigation system?

Pertinent Information	Marks Awarded:
Soil type (clay content)	1
Effect on irrigation system choice (waterlogging, drying out, run-off, etc.)	3

5. How expensive was the installation of the system?

Pertinent Information	Marks Awarded:
Cost of installation	1

6. Is the system compatible with fertigation? Motivate your answer.

Pertinent Information	Marks Awarded:
Compatibility with fertigation, with references to water quality.	2

7. How will the irrigation system assist the plants during times of water stress?

Pertinent Information	Marks Awarded:
Method of management of water stress as it relates to the irrigation system	2

8. If you had to install a new irrigation system, which system would you recommend and why would you recommend this system?

Pertinent Information	Marks Awarded:
Irrigation system selected	2
Justification of choice (crop choice, cost, climate, etc.)	5