
Citrus Orchard Foreman Occupational Learning

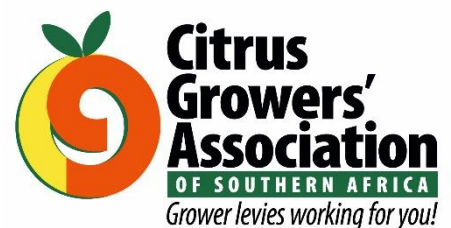
Progressive Activities Assessment Guide

C1: Plant Manipulation Planning

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Chapter 1

Activity P1

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

1. What is plant manipulation?

The skilful management or treatment of plants to derive a specific outcome.

2. Why are citrus trees manipulated?

To enhance the fruit size and quality.

3. What fruit do the overseas consumers prefer?

Fruit that is large, well-coloured, has no blemishes, tastes sweet, and is easy to peel.

4. What problems can plant manipulation not solve?

Diseased or neglected trees, or improper cultivar selection.

5. What external conditions can affect manipulation practices?

Environmental and climatic conditions.

6. What should a plant manipulation plan include?

The timing of manipulation practices, based on the growth stages of the trees and the specific conditions on the farm.

7. What quality of the trees will determine the needed manipulation activities?

The growth stage.

8. What are the two categories of plant manipulation methods used for citrus?

Physical and chemical manipulation.

9. What determines the effectiveness of manipulation techniques?

The level of training and size of your workforce.

Chapter 2

Activity P2

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

1. What tools are used to cut smaller branches, up to 20mm thick?

Pruning shears.

2. What are the two types of pruning shears?

By-pass and anvil shears.

3. How many shears will you generally need for manipulation?

Generally, you will need one pair of shears per worker, with a few spares.

4. How many saws will you generally need for manipulation?

Generally, you will need one saw per worker or a few workers depending on the practice, with a few spares.

5. What is wound sealant used for?

To seal large pruning wounds in order to prevent the wood from drying out and to prevent the possible entry of pathogens.

6. What is a utility knife used for?

Making a thin cut through the bark of the tree.

7. How long are skirting sticks usually?

600–800mm.

8. Why should workers never climb trees without ladders?

Phytophthora can be spread in this way.

9. What are mechanical hedgers and toppers mounted on?

Tractors.

10. What is a fruit count frame used for?

To count the number of fruitlets on a tree to determine whether hand thinning is required.

11. Which workers should have protective clothing and safety equipment?

All workers.