
Citrus Orchard Foreman Occupational Learning

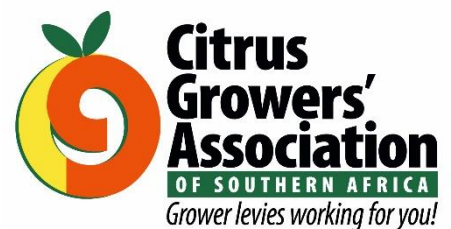
Progressive Activities Assessment Guide

C2: Plant Manipulation

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Contents

Chapter 1 Activity P1	4
Chapter 2 Activity P2	5
Chapter 3 Activity P3	6

Chapter 1

Activity P1

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

1. What are the two types of plant manipulation methods?

Physical and chemical manipulation methods.

2. List the physical manipulation methods:

Pruning, skirting, girdling, and manual fruit thinning.

3. List the chemical plant manipulation methods:

Fruit set improvement, chemical fruit thinning, fruit size enlargement, delaying harvest and creasing control.

4. Why is pruning performed?

To control the size of citrus trees, to improve their shape, and to improve light interception.

5. Why is skirting performed?

To prevent fruit and branches from touching the ground and to enhance various cultural practices.

6. Why is girdling performed?

To increase fruit set and raise the sugar levels in the fruit.

7. Why is fruit thinning performed?

To improve the quality of the remainder of the fruit.

Chapter 2

Activity P2

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

1. What inherent qualities affect the shape and manner that citrus trees grow in?

Cultivar and rootstock.

2. Which branches are the most vigorous in terms of growth?

Branches at the top of the tree.

3. How will citrus trees grow if not pruned?

With a dense outside bearing shell and a dark inside.

4. Where is fruit mainly borne on?

The outside shell of the canopy, especially toward the top of the tree.

5. What is the most common pruning mistake?

Waiting too long before you prune.

6. What are the four types of tree according to growth stages?

Nursery trees, young trees, mature trees, and old trees.

7. How are suckers on nursery trees treated?

Suckers are removed when their shoots are small and tender.

8. What is the focus on when pruning mature trees?

Light interception, encouraging fruiting wood growth, and plumbing simplification.

9. What is the advantage of using mechanical hedging and topping?

Trees are pruned fast and uniformly.

Chapter 3

Activity P3

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

1. Where should manipulation tools and equipment be stored?

In a secure storeroom that is dry and free from dust.

2. What should be done with tools and equipment at the end of the season?

They must be serviced and oiled to prevent rust.

3. What condition should blades be in?

Sterile and sharp.

4. How is wound sealant applied?

Over the wound with a brush.

5. How deep should a girdling cut be?

No deeper than the bark thickness.

6. What are ladders made from?

Aluminium, fibreglass or wood.

7. How is average fruit size measured?

Selecting 200 fruit at random and measuring the diameter of each using fruit measuring callipers or a measuring card.

8. Who should drive tractors?

Only workers that are trained in the use, maintenance and safety aspects of tractor use.

9. What body parts should sterilising solutions not come into contact with?

Open wounds, eyes, or clothing.