
Citrus Orchard Foreman Occupational Learning

Progressive Activities Workbook

A1: New Enterprise Planning

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Contents

Chapter 1 Activity P1	4
Chapter 2 Activity P2	5
Chapter 3 Activity P3	6
Chapter 4 Activity P4	7
Chapter 5 Activity P5	8

Chapter 1

Activity P1

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

1. What are the basic climatic requirements of citrus production?

2. What are the basic environmental requirements of citrus production?

3. What important biological process, found in most plants, is sunlight required for?

4. How do farmers in dry regions ensure that their trees receive enough water?

5. Name three macronutrients vital for the functioning of citrus trees.

6. What is the ideal soil pH for citrus?

7. What is the rootstock?

8. What is a cultivar?

9. What is the process of combining a rootstock and cultivar called?

10. Name three possible functions of off-site infrastructure:

11. What is the expected market growth trend for citrus?

12. What do MRLs stand for?

Chapter 2

Activity P2

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

1. What are the two important resources in citrus farming when determining layout?

2. What are microclimates?

3. Name three soil characteristics which topography can impact?

4. What are windbreaks usually made of in citrus orchards?

5. What are the dangers of excessive soil moisture?

6. In South Africa, is it more common to grow trees as free-standing or using trellises?

7. What is hail netting designed for?

8. What is pollen?

9. Which reproductive parts do flowers have?

10. Why is cross pollination favourable?

Chapter 3

Activity P3

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

1. Why are soil surveys usually done when planning a new orchard or farm?

2. What are the two types of soil surveys?

3. What is soil texture?

4. What are the three primary soil particles that make up soil texture?

5. What are soil horizons?

6. What are the three major horizons that soils have?

7. What is the fourth horizon that some soils have?

8. What does root depth refer to?

9. What is soil compaction?

10. Why is adequate soil drainage necessary?

Chapter 4

Activity P4

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

1. What are the three main types of irrigation systems?

2. What do pumps do in an irrigation system?

3. What do filters do?

4. What are the three most common types of filters?

5. What is the first step when reading an irrigation design plan?

6. What is a bill of quantities used for?

7. How often do well-run and well-installed irrigation systems need major maintenance?

8. What does CU stand for?

9. What are the three classifications of water quality factors?

Chapter 5

Activity P5

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

1. When is citrus farming profitable?

2. What is income?

3. What is gross income?

4. What are the three types of income?

5. What are fixed costs?

6. What are variable costs?

7. What is net profit?

8. What is sustainability in farming?

9. How often is budgeting done?

10. What are the two main types of budgeting?

11. What are goals?

12. What are objectives?

13. What does PERT stand for?