

ORNAMENTAL PLANTS PRODUCTION

ISCED UNIT CODE: 0812 451 11A

TVET CDACC UNIT CODE: HO/CU/HP/CR/03/5/MA

Unit duration: 80 Hours

Relationship to Occupational Standards

This unit addresses the Unit of Competency: **Produce ornamental plants**

Unit Description

This unit specifies the competencies required to produce ornamental plants. It involves preparing ornamental plants planting materials, establishing ornamental plants, managing ornamental plants and performing ornamental plants post-harvest practices.

Summary of Learning Outcomes

SNO	Learning Outcome	Duration (Hours)
1.	Prepare ornamental plants planting materials	10
2.	Establish ornamental plants	20
3.	Manage ornamental plants	30
4.	Perform ornamental plants post-harvest practices	20
	TOTAL	80

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcomes	Content	Suggested Assessment Methods
1. Prepare ornamental plants planting materials	Theory 1.1 Nursery site selection 1.1.1 Definition of ornamental plants 1.1.2 Importance of nursery site	<ul style="list-style-type: none">• Written tests• Reflection papers• Projects• Interviews/ Oral

	<p>selection</p> <p>1.1.3 Factors considered when siting a nursery</p> <p>1.1.4 Tools, equipment and materials used</p> <p>1.1.4.1 Panga</p> <p>1.1.4.2 Jembe</p> <p>1.1.4.3 Slashers</p> <p>1.1.4.4 Rake</p> <p>1.1.4.5 Seeds</p> <p>1.1.4.6 Splits</p> <p>1.1.4.7 Suckers</p> <p>1.2 Nursery preparation</p> <p>1.3 Planting seeds in a nursery</p> <p>1.4 Nursery management practices</p> <p>1.4.1 Mulching</p> <p>1.4.2 Shading</p> <p>1.4.3 Hardening off</p> <p>1.4.4 Watering</p> <p>1.4.5 Fertilizer application</p> <p>1.4.6 Pest and diseases control</p> <p>1.4.7 Pricking out</p> <p>Practice</p> <p>1.5 Carry out a nursery bed preparation and planting</p> <p>1.6 Carry out nursery bed management practices</p>	<p>questions</p> <ul style="list-style-type: none"> • Individual/group assignments • Practicals
2. Establish ornamental plants	<p>Theory</p> <p>2.1 Preparation of the land</p> <p>2.2 Planting of seedlings</p>	<ul style="list-style-type: none"> • Written tests • Reflection papers • Projects

	<p>2.3 Field management practices</p> <p>Practice</p> <p>2.4 Carry out land preparation using various methods.</p> <p>2.5 Carry out planting of seedlings</p> <p>2.6 Carry out field management practices</p>	<ul style="list-style-type: none"> • Interviews/ Oral questions • Individual/group assignments • Practicals
3. Manage ornamental plants	<p>Theory</p> <p>3.1 Field management practices</p> <p>3.1.1 Gapping</p> <p>3.1.2 Thinning</p> <p>3.1.3 Fertilizer application</p> <p>3.1.4 Pest and disease control</p> <p>3.1.4.1 Causal agent</p> <p>3.1.4.2 Signs and symptoms</p> <p>3.1.5 Irrigation</p> <p>3.1.6 Mulching</p> <p>3.2 Harvesting of ornamental plants</p> <p>3.3 Management of wastes</p> <p>Practice</p> <p>3.4 Carry out management practices using various methods</p> <p>3.5 Carry out harvesting of oil crops</p> <p>3.6 Carry out management of waste in an orchard</p>	<ul style="list-style-type: none"> • Written tests • Reflection papers • Projects • Interviews/ Oral questions • Individual/group assignments • Practicals
4. Perform ornamental plants post-harvest practices	<p>Theory</p> <p>4.1 Post-harvest practices</p> <p>4.2 Examples of post-harvest practices</p>	<ul style="list-style-type: none"> • Written tests • Reflection papers • Projects

	4.2.1 Cooling 4.2.2 Freezing 4.2.3 Drying 4.2.4 Grading 4.2.5 Sorting 4.2.6 Packaging 4.2.7 Storage 4.2.8 Transportation 4.3 Marketing techniques 4.3.1 Online marketing 4.3.2 Influencer marketing 4.3.3 Public relation 4.4 Management of wastes Practice 4.5 Carry out post-harvest practices using various methods 4.6 Carry out the management of waste	<ul style="list-style-type: none"> • Interviews/ Oral questions • Individual/group assignments Practicals
--	--	--

Suggested Methods of Instruction

- Role playing
- Group discussion
- Direct instruction
- Role playing
- Group discussion
- Direct instruction
- Questionnaires
- Interviews
- Experiment
- Survey
- Observation

Recommended Resources for 25 Trainees

Tools

- 25 Hoes
- 25 Machetes
- 25 Secateurs
- 25 Shovels
- 25 Soil augur
- 25 Panga
- 25 Pegs

Equipment's

- 25 Hammers
- 25 Saw
- 25 Buckets
- 25 Secateurs
- 25 Shears
- 25 Dibblers
- 25 Spray pumps
- 25 Watering cans
- 25 Hose pipes
- 25 Ploughs
- 25 Harrows
- 25 Ridges
- 25 Boom sprayer
- 25 Pruning saw
- 25 Wire strainers
- 25 Traps
- 25 Pipe sprinklers
- 25 Scouting flags

easyvet.com

- 25 Storage tanks
- 25 Tractors
- 25 Grading shed
- 25 Bud count square
- 25 Meteorological equipment

Materials

- 25 Pesticides
- Fertilizers
- 25 Stationery
- Manures
- 25 Seedlings /planting materials
- 25 Khaki paper bags size 3
- 25 Rope
- 25 Nets
- 25 Translucent papers
- 25 Papers
- 25 Plantlets
- 25 Tissue culture
- 25 Embryo culture
- 25 Papers
- 25 Fencing wire
- 25 Staking sticks
- 25 Nails
- 25 Herbicides
- 25 Pesticides
- 25 Pheromones
- 25 Seeds
- 25 Seedlings
- 25 Splits

easyvet.com

- 25 Crowns
- 25 Slips
- 25 Cuttings
- 25 Suckers

easyvet.com