PRODUCE TROPICAL FRUITS

UNIT CODE: HO/OS/HP/CR/01/3/B

UNIT DESCRIPTION

This unit specifies the competencies required to participate in establishing and maintaining a tropical fruits orchard. This includes applying food safety measures in producing tropical fruits, preparing to produce tropical fruits, producing tropical fruits and completing production of tropical fruits

ELEMENTS AND PERFORMANCE CRITERIA

EI	LEMENT	PERFORMANCE CRITERIA
These describe the key		These are assessable statements which specify the required
outcomes which make		level of performance for each of the elements.
up workplace		Bold and italicized terms are elaborated in the range.
function.		
1.	Apply food safety	1.1 Orchard is established and maintained according to
	measures in producing tropical fruits	recommended <i>agronomic practices</i> and instructions given.
		1.2 Standard operating procedures for preventing and
		mitigating food safety risks are implemented as per the
		identified food safety risks
		1.3 <i>Food safety procedures</i> are followed in producing tropical
		fruits
		1.4 Possible sources of food safety hazards are identified and
		documented as per instructions
2.	Prepare to	1.1 Tools, equipment, materials and supplies are assembled
	produce tropical fruits	based on the requirements of the job.
		1.2 Occupational safety and health procedures are adhered to
		according workplace procedures and instructions given.
		1.3 Soil samples are collected as per instructions.
		1.4 Land for <i>tropical</i> and sub-tropical fruits production is
		prepared according to type of fruit tree and instructions
		given.
3.	Produce tropical	3.1 Nutrients are applied to the fruit trees based on the
	fruits	recommended rates and instructions given.
		3.2 Diseases, pests and physiological disorders of fruit are
		managed as per the instructions given.
4.	Complete	1.1 Fruits are harvested in accordance with the workplace
	production of tropical fruits	instructions
		1.2 <i>Post-harvest handling</i> of the tropical fruits is carried out
		based on the workplace instructions
		1.3 Tropical fruit production records are kept as per
		workplace instructions
		1.4 Waste disposal is undertaken in accordance with
		workplace practices and instructions given.

RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environment and situations that will affect performance.

Variable	Range
Agronomic pract may include but i limited to:	
2. Food safety proce may include but the limited to	
3. Sources of food s hazards may include but not limited to	ude • Growing media
4. Food safety haza may include but a limited to:	
5. Tools may include not limited to:	 Hoes Machetes Secateurs Shovels Soil augur Pegs Hammer Wire strainer Pruning saw Bucket Shears Dibbler
6. Farm machinery, implements &	Spray pumpsWatering cansHose pipes

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equipment may include	• Plough
but not limited to:	Harrows
	Ridger
	Pruning saw
	• Traps
	Pipe sprinklers
	 Scouting flags
	Storage tanks
	Tractors
	Bud count square
	Meteorological equipment
7. Materials and supplies	Seedlings /planting materials
may include but not	Pesticides
limited to:	Herbicides
innited to:	 Pheromones for arthropod traps
	Fertilizers
	Staking sticks National States
	• Nails
	Khaki paper bags
	• Stationery
	• Manures
	Measuring tape
	Layout string
	Shade nets
	 Translucent papers
	Planting pots
	Fencing wire
8. Occupational safety	• Fire
and health procedures	• Use of tools
may include but not	Chemical contamination and poisoning
limited to:	
9. Tropical fruits may	Mangoes
include but not limited	MangoesOranges
	OrangesPapaya
to:	_ · ·
	• Pineapple
	• Custard
	Avocado
10. II.	Bananas
10. Harvest and post-	Removal of edible crop parts (e.g. fruits)
harvest handling may	from the plant
include but not limited	Basic cooling
to:	Cleaning
	Transporting
	Sorting and grading
	Weighing

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

Required skills

The individual needs to demonstrate the following skills:

- Record keeping
- Basic hygiene
- Tilling
- Measuring
- Leveling
- Gaping
- Pruning
- Spraying
- Produce handling
- Soil sampling
- Basic numeracy
- Communication

Required knowledge

The individual needs to demonstrate knowledge of:

- Basic food hygiene practices
- Record keeping Basic tropical/ sub-tropical fruits orchard establishment and management
- Basic tools and equipment used in production of tropical fruits
- Basic soil sampling
- Basic soil conservation
- Basic agronomic practices in tropical/sub-tropical fruits production
- Basic maturity indices in tropical/ sub-tropical fruits
- Harvesting and post harvesting handling of tropical/ sub-tropical fruits
- Basic production records
- Basic waste disposal
- Occupational safety and health

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of	Assessment requires evidence that the candidate:
Competency	1.1 Prepared planting land depending on the type of
	fruit tree and instructions given.
	1.2 established and maintained the orchard
	according to recommended agronomic practices
	as instructed

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	1.3 Harvested and carried out post-harvest handling practices as instructed
	1.4 Observed safety measures by using Personal
	Protective Equipment (PPE) and correct tools as
	per the instructions
	1.5 Observed food safety procedures as per
	instructions
	1.6 Documented food safety records as per
	instructions
2. Resource Implications	The following resources should be provided:
for competence assessment	2. 1 Access to relevant workplace where assessment
	can take place
	2. 2 Appropriately simulated environment where
	assessment can take place
	2. 3 Materials relevant to the proposed activity or
	tasks
3. Methods of Assessment	Competency may be assessed through:
	3.1 Observation
	3.2 Oral questioning
	3.3 Interviews
	3.4 Third party report
4. Context of Assessment	Competency may be assessed:
	4.1 Off-the-job
	4.2 On-the-job
	4.3 Work placement -attachment
	Off the job assessment must be undertaken in a
	closely simulated workplace environment.
5. Guidance information	Holistic assessment with other units relevant to the
for assessment	industry sector, workplace and job role is
	recommended.