

081205T4HPN

HORTICULTURE PRODUCTION LEVEL 5

HO/OS/HP/CR/01/5/B

Produce Tropical Fruits

March/April 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION  
COUNCIL (TVET CDACC)**

**PRACTICAL ASSESSMENT**

**OBSERVATION CHECKLIST**

<b>Candidate's name &amp; Registration Code</b>			
<b>Assessor's name &amp; Registration Code</b>			
<b>Venue of Assessment</b>			
<b>Date of assessment</b>			
<b>Items to be evaluated:</b> <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	<b>Marks available</b>	<b>Marks obtained</b>	<b>Comments</b>
<b>TASK 1 PREPARE TO GRAFT MANGO SEEDLINGS</b>			
1. Wore Personal Protective Equipment as per workplace procedures. <ul style="list-style-type: none"> <li>Gloves.</li> <li>Overall.</li> </ul>	<b>2</b>		

<ul style="list-style-type: none"> <li>• Gumboots.</li> <li>• Face mask</li> </ul> <p><i>(Award ½ mark for each PPE donned correctly)</i></p>			
2. Assembled required tools and equipment <i>(Award 2 marks or zero for the activity undertaken)</i>	<b>2</b>		
3. Sterilized knife/ scapel using ethanol and dried with blotting paper. <ul style="list-style-type: none"> <li>• Sterilized.</li> <li>• Dried.</li> </ul> <p><i>(Award 2 marks for 2 tasks correctly undertaken)</i></p>	<b>4</b>		
4. Selected rootstock and scion <ul style="list-style-type: none"> <li>• Checked on health of root stock seedling and scion seedlings.</li> <li>• Matured root stock and scion.</li> </ul> <p><i>(Award 2 marks for 2 tasks correctly undertaken)</i></p>	<b>4</b>		
Sub total	<b>12</b>		
<b>TASK 2: CARRY OUT CLEFT GRAFTING ON MANGO SEEDLING</b>			
5. Prepared the rootstock and scion. <ul style="list-style-type: none"> <li>• Removed any side branches or shoots on each.</li> <li>• Made a v- shape wedge on the rootstock</li> <li>• Made an inverted v- shape on the scion.</li> </ul> <p><i>(Award 3 marks for 3 tasks correctly undertaken)</i></p>	<b>9</b>		

<i>undertaken)</i>			
6. Joined the root stock and scion. <ul style="list-style-type: none"> <li>Placed the scion on rootstock.</li> <li>Aligned the cambium layers.</li> <li>Ensured the two cut surfaces fit tightly.</li> </ul> <i>(Award 3 marks for 3 tasks correctly undertaken)</i>	<b>6</b>		
7. Tied the graft union. <ul style="list-style-type: none"> <li>Tied the graft union using a grafting tape started tying from base.</li> <li>Wrapped the tape firmly around the graft union covering the entire surface.</li> </ul> <i>(Award 3 marks for 2 tasks correctly undertaken)</i>	<b>6</b>		
8. Bagged the grafted seedling appropriately as per good agricultural practices. <i>(Award 2 marks or zero for the activity undertaken)</i>	<b>2</b>		
9. Labeled the grafted plant. <i>(Award 2 marks or zero for the activity undertaken)</i>	<b>2</b>		
10. Placed the grafted seedling under a shade. <i>(Award 1 mark or zero for the activity undertaken)</i>	<b>1</b>		
11. Cleaned tools and equipment after use. <i>(Award 1 mark or zero for the activity undertaken)</i>	<b>1</b>		
12. Disposed wastes as per work place	<b>1</b>		

procedures. <i>(Award 1 mark or zero for the activity undertaken)</i>			
Sub total	<b>28</b>		
<b>Total</b>	<b>40</b>		
<b>ASSESSMENT OUTCOME</b>			
<p>The candidate was found to be:</p> <p style="text-align: center;">Competent <input type="checkbox"/> Not yet Competent <input type="checkbox"/></p> <p><i>(Please tick as appropriate)</i></p> <p><i>(The candidate is competent if the candidate obtains at least 50%)</i></p>			
<b>Feedback from candidate:</b>			
<b>Feedback to candidate:</b>			
<b>Candidate's Signature</b>		<b>Date</b>	
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<b>Assessor's Signature</b>		<b>Date</b>	
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