

081205T4HNM

HORTICULTURAL NURSERY MANAGEMENT LEVEL 5

HO/OS/NM/CR/07/5/B

Harden Tissue Culture Seedlings

March/April 2025



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

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PRACTICAL ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

OBSERVATION CHECKLIST

Candidate's name & Registration Code			
Assessor's name & Registration Code			
Venue of Assessment			
Date of assessment			
Items to be evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks available	Marks obtained	Comments
TASK: TRANSPLANT THE PROVIDED MATURE TISSUE CULTURE BANANA SEEDLINGS.			
1. Wore Personal Protective Equipment (PPEs) gloves, overalls and gumboots). <i>(Award one mark for each PPE donned as per workplace procedures)</i>	3		
2. Assembled all the required tools, equipment, and materials. <i>(Award three marks for assembling all required tools, equipment, and materials)</i>	3		
3. Cleared allocated piece of land and collected/removed trash. <i>(Award 1 mark for land clearing and 1 mark for collecting/removing trash).</i>	2		
4. Dug planting hole, 60cm by 60 cm, separated the first 0-30 cm soil (top soil), from the next 30-60 cm soil (sub-soil). <i>(Award 1 mark for separating top soil, 1 mark for separating sub-soil, 1 mark for digging to the correct depth- 60 cm, 1 mark for the correct diameter/width & length, and 1 mark consistent diameter/length & width)</i>	5		

<i>of the hole from top to bottom)</i>			
<p>5. Dug a second planting hole at the correct spacing based on the cultivar of banana seedling provided.</p> <p><i>{Award 1 mark for the correct spacing (4m by 4m for tall varieties, 3m by 3m for medium height varieties, 3m by 2m for short varieties), Award 1 mark for separating top soil, 1 mark for separating sub-soil, 1 mark for digging to the correct depth- 60 cm, 1 mark for the correct diameter/width & length, and 1 mark consistent diameter/length & width of the hole from top to bottom}</i></p>	6		
<p>6. Mixed top soil with one wheelbarrow of manure and 200g of planting fertilizer (DAP and not CAN).</p> <p><i>(Award 2 mark for mixing correct amount of manure, 2 mark for choosing the correct planting fertilizer, 1 mark for mixing the planting fertilizer with manure and topsoil)</i></p>	5		
<p>7. Returned the soil, manure and fertilizer mixture to the planting hole and filled it up almost to the top.</p> <p><i>(award 1 mark for returning the correct mixture, 1 mark for filling hole to almost full)</i></p>	2		

<p>8. Removed polythene sleeve of the banana seedling and ensured the soil lump/clod is kept intact.</p> <p><i>(Award 1 mark for removing the polythene and 1 mark for keeping soil lump intact)</i></p>	2		
<p>9. Made a smaller planting hole at the centre of the filled hole and transplanted the banana seedling centrally.</p> <p><i>(award 1 mark for making a smaller planting hole at the centre of the soil mixture and 1 mark for planting at the centre of the hole)</i></p>	2		
<p>10. Covered the banana seedling to the same depth as in the polythene sleeve and firmed the soil around the plant.</p> <p><i>(Award 1 mark for correct depth of planting and 1 mark for firming soil)</i></p>	2		
<p>11. Mulched the transplanted banana seedling and watered.</p> <p><i>(Award 1 mark for mulching and 1 mark for watering)</i></p>	2		
<p>12. Made a basin using the sub-soil around the transplanted banana seedling.</p> <p><i>(Award 1 mark for making the basin or zero)</i></p>	1		
<p>13. Assembled, cleaned and properly stored all the tools and equipment after use.</p> <p><i>(Award one mark for assembling, 1 mark for cleaning and one mark for properly storing)</i></p>	3		
<p>14. Gathered and disposed waste at an appropriate place</p>	2		

<i>(Award one mark for gathering the waste and one mark for safe disposal of waste)</i>			
Total	40		
ASSESSMENT OUTCOME			
<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>			
Feedback from candidate:			
Feedback to candidate:			
Candidate's Signature	Date		
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Assessor's Signature	Date		
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