

081205T4HNM

HORTICULTURAL NURSERY MANAGEMENT LEVEL 5

HO/OS/NM/CR/05/5/B

Produce Grafted/budded Seedlings

March/April 2025



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

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 | | | |
| Assessors 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 1: PRODUCE AN ORANGE GRAFTED SEEDLING BY CLEFT GRAFTING | | | |
| 1. Wore PPE'S as per workplace procedures Garden gloves Gumboots Mask Dustcoat/overall <i>(Award 1 Mark or 0 for each PPE)</i> | 4 | | |
| 2. Assembled tools, equipment and materials as per job requirements <i>(Award ½ Mark or 0 each)</i> | 3 | | |
| 3. Assessed health and age of the seedlings <i>(Award 2 Marks or 0 for each activity)</i> | 4 | | |
| 4. Correctly identified the scion and the rootstock <i>(Award 2 Marks or 0 for each activity)</i> | 4 | | |
| 5. Sterilized the scalpel with ethanol and dried it with the blotch paper <i>(Award 2 Marks or 0 for each activity)</i> | 4 | | |
| 6. Cut the scion in the shape of a wedge <i>(Award 4 Marks or 0 for the activity)</i> | 4 | | |
| 7. Removed leaves from the scion and only | 2 | | |

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|--|
| left 2-3 true leaves <i>(Award 2 Marks or 0 for the activity)</i> | | | |
| 8. Cut the rootstock horizontally at the point of the union and made a wedge incision <i>(Award 2 Marks or 0 for each activity)</i> | 4 | | |
| 9. Placed the scion in the incision of the rootstock and ensured cambium of the scion and rootstock are in contact with each other <i>(Award 3 Marks or 0 for each activity)</i> | 6 | | |
| 10. Tied and sealed the joint using a grafting tape <i>(Award 4 Marks or 0 for the activity)</i> | 4 | | |
| 11. Labeled the grafted seedling including information on type of grafted seedling, date of grafting and method of grafting <i>(Award 1 Mark or 0 for each information included on label, a max of 3)</i> | 3 | | |
| 12. Placed the seedling in a sheltered area, away from strong winds <i>(Award 2 Marks or 0 for each activity)</i> | 4 | | |
| 13. Properly disposed waste as per workplace procedures <i>(Award 2 Marks or 0 for the activity)</i> | 2 | | |
| 14. Cleaned tools, equipment and materials and dried before returning for storage <i>(Award 1 Mark or 0 for each activity)</i> | 3 | | |
| Sub-Total 2 | | | |
| GRAND TOTAL | 51 | | |

| ASSESSMENT OUTCOME | |
|---------------------------------------------------------------------------|--------------------------------------------|
| The candidate was found to be: | |
| Competent <input type="checkbox"/> | Not yet Competent <input type="checkbox"/> |
| <i>(Please tick as appropriate)</i> | |
| <i>(The candidate is competent if the candidate obtains at least 50%)</i> | |
| Feedback from the Candidate: | |
| Feedback to the Candidate: | |
| Candidate Signature _____ | Date: _____ |
| Assessor's Signature _____ | Date _____ |