

071906T4AEN

AGRICULTURAL ENGINEERING LEVEL 6

ENG/OS/AGR/CR/01/6/A

Operate Agricultural and Related Production Machinery and Equipment

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: Service, hitch and calibrate fertilizer distributor			
1. Worn personal protective equipment. (Safety boots, overall, gloves) (Award 1 mark each)	3		
2. Checked machine's safety requirements (Loose parts, lubrication) (Award 1 mark each for at least two safety checks done)	2		
3. Serviced the fertilizer distributor in preparation for operation <ul style="list-style-type: none"> Identified greasing points Greased moving parts Tightened bolts and nuts Appropriately used the tools (Award 1 mark each or 0)	4		
4. Hitched the fertilizer distributor <ul style="list-style-type: none"> Positioned the tractor Choked the tractor Connected the left lower link Connected the right lower link Inserted the pins to secure hitch points Connected the PTO Lifted the fertilizer distributor (Award 1 mark each or 0)	7		
5. Filled the hopper with fertilizer (Award 1 mark or 0)	1		
6. Spread 2m by 5m of polythene sheet on the ground (Award 1 mark or 0)	1		

7. Engaged the P.T.O for a duration equivalent to the recorded time. (Award 1 mark or 0)	1		
8. Collected and weighed the fertilizer on the sheets (Award 1 mark each or 0)	2		
9. Calculated the application of the fertilizer distributor. <ul style="list-style-type: none"> • Determined the area covered. (L × W) • Calculated the application rate. • Commented on the application rate (Award 1 mark each or 0)	3		
10. Adjusted and re-calibrated in case of any deviation (Award 1 mark each or 0)	2		
11. Inspected the fertilizer distributor after use. (Award 1 mark or 0)	1		
12. Cleaned the fertilizer distributor by removing the fertilizer deposits in the hopper as per workplace procedures. (Award 1 marks or 0)	1		
13. Stored the fertilizer distributor. <ul style="list-style-type: none"> • Taking the implement to the store • Choked the tractor • Lowered the implement • Detached the P.T.O • Removed the pins • Unhitched the top link • Unhitched the right lower link • Unhitched the left lower link • Correct positioning of the implement in the store (Award 1 mark each or 0)	9		
14. Stored the fertilizers distributor as per the manual (Award 1 mark or 0)	1		
15. Adhered to safety (Award 1 mark or 0)	1		
16. Cleaned self (Award 1 mark or 0)	1		
TOTAL	40		

ASSESSMENT OUTCOME	
<p>The candidate was found to be:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> Competent <input style="width: 50px; height: 25px; border: 1px solid black;" type="checkbox"/> Not yet Competent <input style="width: 50px; height: 25px; border: 1px solid black;" type="checkbox"/> </div> <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 the Candidate:	
Feedback to the Candidate:	
Candidate Signature _____	Date: _____
Assessor's Signature _____	Date _____