

**081105T4DAF**

**DAIRY FARM MANAGEMENT LEVEL 5**

**DA/OS/FM/CR/04/5/B**

**Formulate Dairy Feed**

**Nov/Dec 2024**



**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

<b>Candidate's Name &amp; Registration Code</b>			
<b>Assessors 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: SILAGE MAKING</b>			
<b>1. Wore PPEs appropriately based on the job requirements.</b> <ul style="list-style-type: none"> <li>Dust coat/apron</li> <li>Hard duties gloves</li> <li>Face mask</li> <li>Gumboots</li> </ul> <i>(Award ½ a mark for each PPE or 0)</i>	<b>2</b>		
<b>2. Identified and assembled materials, tools, and equipment based on feed formulation manual</b> <i>(Award 2 marks or 0 for assembling)</i>	<b>2</b>		
<b>3. Cleaned the fodder by removing</b> <ul style="list-style-type: none"> <li>debris</li> <li>weeds</li> <li>Other contaminants.</li> </ul> <i>(Award 2 marks or 0)</i>	<b>2</b>		
<b>4. Chopped the crop into small, uniform pieces (1-2 inches) to facilitate compaction and fermentation</b> <ul style="list-style-type: none"> <li>Small pieces (1-2 inches)</li> <li>Uniform pieces</li> </ul>	<b>4</b>		

(Award 2 marks each or 0)			
<p>5. Mixed water and molasses:</p> <ul style="list-style-type: none"> <li>• Poured 1 liter of molasses into a mixing container</li> <li>• Added 3 liters of water to the container.</li> <li>• Stirred the mixture thoroughly to ensure the molasses is completely dissolved in the water.</li> </ul> <p>(Award 1 mark or zero for each activity)</p>	<b>3</b>		
<p>6. Applied the mixture (water and molasses) as per feed manufacturing guidelines:</p> <ul style="list-style-type: none"> <li>• Sprinkled the diluted molasses evenly over the chopped fodder</li> <li>• Mixed thoroughly to coat the fodder evenly.</li> <li>• Ensured all fodder is moistened with the solution to promote fermentation.</li> </ul> <p>(Award 2 marks for each activity)</p>	<b>6</b>		
<p>7. Filled the Silage bag/ Simulated silage bag:</p> <ul style="list-style-type: none"> <li>• Placed the chopped fodder into a silage bag</li> <li>• Compacted manually the fodder while filling the bag to remove as much air as possible.</li> <li>• Filled the polybags up to 3/4s full to allow sealing</li> </ul> <p>(Award 2 marks for each activity)</p>	<b>6</b>		
<p>8. Sealed the Bag;</p> <ul style="list-style-type: none"> <li>• Sealed the silage bag using sisal twine to</li> </ul>	<b>4</b>		

prevent air infiltration <ul style="list-style-type: none"> <li>checked the bag for any holes or damage</li> </ul> <i>(Award 2 marks for each activity)</i>			
9. Labeled the bag appropriately including: <ul style="list-style-type: none"> <li>Date of ensiling</li> <li>Fodder crop type</li> <li>Additive</li> </ul> <i>(Award 1 mark or 0 for each item labelled)</i>	<b>3</b>		
10. Stored the bags in a suitable location in accordance with animal feed manufacturing guidelines <ul style="list-style-type: none"> <li>Well-drained surface</li> <li>Protected the bags from direct sunlight and adverse weather conditions</li> </ul> <i>(Award 1 mark each activity or 0)</i>	<b>2</b>		
11. Assembled, cleaned, and stored tools and equipment. <ul style="list-style-type: none"> <li>Chopping board (wooden)</li> <li>Sharp panga</li> <li>Weighing Machines</li> <li>Bucket</li> </ul> <i>(Award ½ a mark for each or 0 )</i>	<b>2</b>		
12. Cleaned the working area based on workplace procedures <i>(Award 2 marks or 0 for proper cleaning)</i>	<b>2</b>		
13. Managed wastes after the exercise according to NEMA guidelines <i>(Award 2 marks or 0 for proper management)</i>	<b>2</b>		
<b>TOTAL</b>	<b>40</b>		

ASSESSMENT OUTCOME	
<p>The candidate was found to be:</p> <p>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 the Candidate:</b>	
<b>Feedback to the Candidate:</b>	
<b>Candidate Signature</b>	<b>Date:</b>
<hr/>	<hr/>
<b>Assessor's Signature</b>	<b>Date</b>
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