

**081106T4DAF**

**DAIRY FARM MANAGEMENT LEVEL 6**

**DA/OS/FM/CR/04/6/B**

**Formulate Dairy Feed**

**March/April 2025**



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

**PRACT                      MENT**

**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>i. TASK 1:</b> Identify the following feed stuff A, B, C, D, E                                                                                                                                                                                                                                                               |                                                          |                       |                 |
| 1. Worn <ul style="list-style-type: none"> <li>• Gloves</li> <li>• Gumboots</li> <li>• Dust coat/Apron/overall</li> <li>• Cap</li> </ul><br><i>(Award 1 Mark each or 0)</i>                                                                                                                                                     | <b>4</b>                                                 |                       |                 |
| 2. Identified the feed stuffs correctly <ul style="list-style-type: none"> <li>A-Maize germ</li> <li>B-Wheat bran</li> <li>C-Fish meal</li> <li>D- Common salt</li> <li>E-Sunflower cake</li> </ul><br><i>(Award 1 Mark each or 0)</i>                                                                                          | <b>1</b><br><b>1</b><br><b>1</b><br><b>1</b><br><b>1</b> |                       |                 |
| <b>Sub-total 1</b>                                                                                                                                                                                                                                                                                                              | <b>9</b>                                                 |                       |                 |
| <b>i. Task 2</b> A dairy farmer wants to formulate a concentrate supplement that provides 16% crude protein (CP). He has shelled corn (9% CP) and cotton seed cake (40% CP).<br>Using Pearson square method, compute the combination of the shelled corn and cotton seed cake that will provide 5kg of 16% CP the farmer wants. |                                                          |                       |                 |

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| <p>3. Assembled the materials</p> <ul style="list-style-type: none"> <li>• Shelled corn</li> <li>• Cotton seed cake</li> <li>• Fullscap</li> <li>• Sticky note</li> <li>• Sisal rope</li> <li>• Digital scale (minimum 5kg)</li> <li>• Polythene sheet 1m x2m</li> <li>• Poly-sack</li> <li>• Ballet</li> </ul> <p><b>(Award 1 Mark each or 0)</b></p>                                                                                                                                                                                                                                                                                                                           | <p><b>3</b></p>                                                                                                                 |  |  |
| <p>4. Computed the concentrate supply that provides 16% crude protein o before mixing the provided ingred</p> <ul style="list-style-type: none"> <li>• Drew a Pearson's square</li> <li>• Placed the provided percentages on the left side</li> <li>• Placed the required concentrate at the concentrate at the centre of the square</li> <li>• Subtracted diagonally disregarding the negative signs</li> <li>• Labelled the results as parts</li> <li>• Added the total parts</li> <li>• Computed the corresponding percentages</li> <li>• Computed the required amounts to come up with 5kg concentrate</li> </ul> <p><b>(Award 2 Marks for each step done correctly)</b></p> | <p><b>2</b></p> <p><b>2</b></p> <p><b>2</b></p> <p><b>2</b></p> <p><b>2</b></p> <p><b>2</b></p> <p><b>2</b></p> <p><b>2</b></p> |  |  |

|                                                                                                                                                                                      |          |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|--|
| <b>or 0)</b>                                                                                                                                                                         |          |  |  |
| 5. Cleaned the working area<br><b>(Award 1 Mark or 0)</b>                                                                                                                            | <b>1</b> |  |  |
| 6. Weighed the feed ingredients<br><b>(Award 1 Mark or 0)</b>                                                                                                                        | <b>1</b> |  |  |
| 7. Weighed the ingredients as per the computation and came up with 3.87kg of shelled corn and 1.13kg of cotton seed cake<br><b>(Award 4 Marks for the correct measurements or 0)</b> | <b>4</b> |  |  |
| 8. Recorded the weight<br><b>(Award 1 Mark or 0)</b>                                                                                                                                 | <b>1</b> |  |  |
| 9. Spread the polythene sheet on the area<br><b>(Award 1 Mark or 0)</b>                                                                                                              | <b>1</b> |  |  |
| 10. Assembled the weighed materials provided on the polythene sheet<br><b>(Award 1 Mark or 0)</b>                                                                                    | <b>1</b> |  |  |
| 11. Mixed the ingredients thoroughly as per the working done above<br><b>(Award 1 Mark each or 0)</b>                                                                                | <b>2</b> |  |  |
| 12. Packaged the feed in a poly-sack 5kg, weighing to ensuring it is 5kg<br><b>(Award 1 Mark each or 0)</b>                                                                          | <b>3</b> |  |  |
| 13. Sealed the poly-sack with a rope tightly<br><b>(Award 1 Mark or 0)</b>                                                                                                           | <b>1</b> |  |  |
| 14. Labeled the package with <ul style="list-style-type: none"> <li>• Weight</li> <li>• Name of the product</li> </ul>                                                               | <b>4</b> |  |  |

|                                                                                                                                                                                                                                                                                    |           |              |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|--|
| <ul style="list-style-type: none"> <li>• Composition</li> <li>• Admission Number</li> </ul> <p><b>(Award 1 Mark each or 0)</b></p>                                                                                                                                                 |           |              |  |
| 15. Stored properly<br><b>(Award 1 Mark or 0)</b>                                                                                                                                                                                                                                  | <b>1</b>  |              |  |
| 16. Cleaned the working area<br><b>(Award 2 Marks)</b>                                                                                                                                                                                                                             | <b>2</b>  |              |  |
| 17. Disposed the remains<br><b>(Award 2 Marks or 0)</b>                                                                                                                                                                                                                            | <b>2</b>  |              |  |
| <b>Sub-Total 2</b>                                                                                                                                                                                                                                                                 | <b>43</b> |              |  |
| <b>GRAND TOTAL</b>                                                                                                                                                                                                                                                                 | <b>52</b> |              |  |
| <b>ASSESS COME</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 the Candidate:</b>                                                                                                                                                                                                                                                |           |              |  |
| <b>Feedback to the Candidate:</b>                                                                                                                                                                                                                                                  |           |              |  |
| <b>Candidate Signature</b>                                                                                                                                                                                                                                                         |           | <b>Date:</b> |  |
| _____                                                                                                                                                                                                                                                                              |           | _____        |  |

|                                      |                      |
|--------------------------------------|----------------------|
| <b>Assessor's Signature</b><br>_____ | <b>Date</b><br>_____ |
|--------------------------------------|----------------------|