

**083104T4AQC**

**AQUACULTURE LEVEL 4**

**AQ/OS/AT/CR/02/4/A**

**Produce Fish Feeds**

**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

|                                                                                                                                                                                                                                                                                                  |                        |                       |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|-----------------|
| <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 1: FERTILIZE A FISH POND</b>                                                                                                                                                                                                                                                             |                        |                       |                 |
| 1. Wore PPE as per job requirement <ul style="list-style-type: none"> <li>• Apron</li> <li>• Gloves</li> <li>• Gumboots</li> <li>• Face mask</li> </ul> <i>(Award 1 mark each for correct PPE worn)</i>                                                                                          | <b>4</b>               |                       |                 |
| 2. Assembled tools, materials and equipment<br><i>(Award 2 marks for assembled tools, equipment and materials )</i>                                                                                                                                                                              | <b>2</b>               |                       |                 |
| 3. Measured the pond size <ul style="list-style-type: none"> <li>• Used a measuring tape to calculate the area (length <math>\times</math> width for rectangular ponds or <math>\pi \times \text{radius}^2</math> for circular ponds).</li> </ul> <i>(Award 3 marks for correct calculation)</i> | <b>3</b>               |                       |                 |
| 4. Calculated fertilizer requirement <ul style="list-style-type: none"> <li>• 2 grams of DAP per square meter of pond surface area. i.e 2 grams=1m<sup>2</sup></li> </ul>                                                                                                                        | <b>4</b>               |                       |                 |

|                                                                                                                                                                                                                                                                       |   |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|--|
| <ul style="list-style-type: none"> <li>100m<sup>2</sup>pond will require 200grams of DAP</li> </ul> <p><i>(Award 2 marks for correct formula and 2 marks for correct answer)</i></p>                                                                                  |   |  |  |
| <p>5. Prepared the fertilizer</p> <ul style="list-style-type: none"> <li>Weighed the appropriate amount of DAP fertilizer</li> </ul> <p><i>(Award 3 marks for fertilizer preparation)</i></p>                                                                         | 3 |  |  |
| <p>6. Placed the fertilizer in a clean bucket</p> <ul style="list-style-type: none"> <li>Added water half way</li> <li>Stirred to dissolve the fertilizer</li> </ul> <p><i>(Award 2 marks for the activity)</i></p>                                                   | 2 |  |  |
| <p>7. Sprinkled the fertilizer</p> <ul style="list-style-type: none"> <li>Walk around the pond's perimeter</li> <li>Evenly scatter the fertilizer across the pond surface, aiming for uniform coverage</li> </ul> <p><i>(Award 3 marks for uniform broadcast)</i></p> | 3 |  |  |
| <p>8. Monitored the pond after application</p> <ul style="list-style-type: none"> <li>Noted the fertilizer distribution and any visible effects on the water clarity</li> </ul> <p><i>(Award 2 marks for monitoring water quality)</i></p>                            | 2 |  |  |
| <p>9. Safety and cleanliness</p> <ul style="list-style-type: none"> <li>Cleaned</li> <li>Stored all materials properly</li> </ul> <p><i>(Award 1 mark for each activity)</i></p>                                                                                      | 2 |  |  |
| <p>10. Documented the process</p> <ul style="list-style-type: none"> <li>Recorded the pond size</li> <li>Fertilizer amount</li> <li>Observations</li> </ul>                                                                                                           | 3 |  |  |

|                                                                                                                                                                                                                                                                      |           |              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|--|
| (Award 1 mark for each activity above)                                                                                                                                                                                                                               |           |              |  |
| <b>GRAND TOTAL</b>                                                                                                                                                                                                                                                   | <b>28</b> |              |  |
| <b>ASSESSMENT OUTCOME</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>(Please tick as appropriate)</p> <p>(The candidate is competent if the candidate obtains at least 50%)</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>                                                                                                                                                                                                                                          |           | <b>Date</b>  |  |
| _____                                                                                                                                                                                                                                                                |           | _____        |  |