

**081104T4AEX**

**AGRICULTURAL EXTENSION LEVEL 4**

**AGR/OS/EXT/CR/05/6/A**

**Perform Crop Protection**

**Nov/Dec 2024**



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

**PRACTICAL ASSESSMENT**

**INSTRUCTIONS TO ASSESSOR**

- Assess the candidate as the practical progresses observing the critical areas
- You are required to mark the practical as the candidate perform the tasks
- You are required to take video clips at critical points
- 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:</b> Apply pesticide on a pest infested established crop using the following resources			
1. Wore correct PPEs for control of pest/disease in the field <ul style="list-style-type: none"> <li>• Mask</li> <li>• Gumboots</li> <li>• Overalls/Dust coat,</li> <li>• Gloves</li> </ul> <i>(Award 1 mark for each PPE donned as per workplace procedures or zero)</i>	<b>4</b>		
2. Assembled materials, tools and equipment based on job requirements <i>(Award 2 mark for each set assembling or zero)</i>	<b>2</b>		
3. Mapped an area that is under crop, measuring 4m by 4m using sisal twine <i>(Award 1 mark for mapping and 1 mark for accurate measurement or zero)</i>	<b>2</b>		
4. Scouted the mapped area and identified the pest <i>Award 1 mark for scouting and 1 mark for pest identification)</i>	<b>2</b>		
5. Read instructions on the label of the chemical as per the manufacturer's instructions and determined the quantity of pesticide to use based on the pest identified	<b>2</b>		

<ul style="list-style-type: none"> <li>- Read instructions on label</li> <li>- Correctly measured pesticide based on pest identified</li> </ul> <p><i>(Award 1 mark for evidence of reading and 1 mark for correct measurement)</i></p>			
<p>6. Mixed the chemical thoroughly as per the manufacturer's instructions</p> <ul style="list-style-type: none"> <li>• Poured water into the sprayer a quarter full</li> <li>• Measured the correct quantity and poured in the sprayer</li> <li>• Mixed water and pesticide thoroughly</li> <li>• Filled the sprayer with water to the required level (Max)</li> </ul> <p><i>(Award 2 marks for each activity or zero)</i></p>	<b>8</b>		
<p>7. Sprayed the insecticide on the established crop as per the manufacturer's instructions</p> <ul style="list-style-type: none"> <li>• Started spraying from furthest part of field along the wind direction taking care of drifting.</li> <li>• Directed the spray on the funnel of the maize crop (pest hide-out)</li> <li>• Moved with a constant speed through-out the field to ensure uniformity of spray</li> </ul> <p><i>(Award 2 marks for each activity or zero)</i></p>	<b>6</b>		
<p>8. Cleaned the knapsack sprayer as per the manufacturer's instructions</p> <ul style="list-style-type: none"> <li>• Cleaned with several repetitions of water rinse</li> <li>• Removed the nozzles and checked for debris</li> <li>• Drained the water used to clean the knapsack properly</li> </ul> <p><i>(Award 2 marks for each activity or zero)</i></p>	<b>6</b>		
<p>9. Observed personal hygiene as per workplace procedures.</p> <ul style="list-style-type: none"> <li>• Washed hands and face with soap and clean</li> </ul>	<b>2</b>		

water • Avoided eating, drinking or smoking during the exercise  <i>(Award 1 mark each for observing hygienic and safety practices or zero)</i>			
10. Stored the sprayer and the remaining insecticide well as per workplace procedure <i>(Award 2 marks for properly storing the remaining insecticide and the sprayer or zero)</i>	<b>2</b>		
<b>GRAND TOTAL</b>	<b>36</b>		
<b>ASSESSMENT OUTCOME</b>			
The candidate was found to be:  <div style="display: flex; justify-content: space-around; align-items: center;"> <span>Competent</span> <input style="width: 50px; height: 30px; border: 2px solid blue;" type="checkbox"/> <span>Not yet Competent</span> <input style="width: 50px; height: 30px; border: 2px solid blue;" type="checkbox"/> </div> <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>			
<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>	
_____		_____	