

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)**

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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

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: Apply pesticide on a pest infested established crop using the following resources			
1. Wore correct PPEs for control of pest/disease in the field • Mask • Gumboots • Overalls/Dust coat, • Gloves <i>(Award 1 mark for each PPE donned as per workplace procedures or zero)</i>	4		
2. Assembled materials, tools and equipment based on job requirements <i>(Award 2 mark for each set assembling or zero)</i>	2		
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>	2		
4. Scouted the mapped area and identified the pest <i>Award 1 mark for scouting and 1 mark for pest identification)</i>	2		
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	2		

- Read instructions on label - Correctly measured pesticide based on pest identified (Award 1 mark for evidence of reading and 1 mark for correct measurement)			
6. Mixed the chemical thoroughly as per the manufacturer's instructions • Poured water into the sprayer a quarter full • Measured the correct quantity and poured in the sprayer • Mixed water and pesticide thoroughly • Filled the sprayer with water to the required level (Max) (Award 2 marks for each activity or zero)	8		
7. Sprayed the insecticide on the established crop as per the manufacturer's instructions • Started spraying from furthest part of field along the wind direction taking care of drifting. • Directed the spray on the funnel of the maize crop (pest hide-out) • Moved with a constant speed through-out the field to ensure uniformity of spray (Award 2 marks for each activity or zero)	6		
8. Cleaned the knapsack sprayer as per the manufacturer's instructions • Cleaned with several repetitions of water rinse • Removed the nozzles and checked for debris • Drained the water used to clean the knapsack properly (Award 2 marks for each activity or zero)	6		
9. Observed personal hygiene as per workplace procedures. • Washed hands and face with soap and clean	2		

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>	2		
GRAND TOTAL	36		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent ☐ Not yet Competent ☐ <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	