

## Instruction Sheet for the Candidate

<b>Qualification</b>	Agricultural Machinery Technician (Level-04)
<b>Competency Standard</b>	Operate Plant Protection (PP) Implements
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name_____
	Registration/Roll Number_____
<b>Guidance for Candidate</b>	<p><b>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration &amp; assessment):</b></p> <ul style="list-style-type: none"> <li>• Identify Plant Protection equipment</li> <li>• Operate Plant Protection equipment</li> <li>• Maintenance Plant Protection equipment</li> </ul>
<b>Time: 03 Hrs.</b>	During a practical assessment, under observation by an assessor, you are required to
<b>Minimum Evidence Required</b>	<p><b>Identify Plant Protection (PP) equipment</b></p> <ol style="list-style-type: none"> <li>1. Identify indicators PP (herbicides, fungicides, insecticides, etc.)</li> <li>2. Identify PP equipment (hand sprayers, knapsack sprayers, boom sprayers, dusters, etc.)</li> <li>3. Inspect plant protection equipment</li> <li>4. Identify the nozzles</li> </ol> <p><b>Operate Plant Protection equipment</b></p> <ol style="list-style-type: none"> <li>1. Inspect pest scouting as per requirement</li> <li>2. Calibrate plant protection equipment</li> <li>3. Estimate the water chemical ratio</li> <li>4. Use of plant protection equipment</li> <li>5. Uses of nozzles according indicators</li> <li>6. Estimate operation cost</li> </ol> <p><b>Maintenance Plant Protection equipment</b></p> <ol style="list-style-type: none"> <li>1. Find problems of PP equipment</li> <li>2. Maintain knapsack sprayers</li> <li>3. Maintain Boom sprayers</li> <li>4. Maintain Dusters</li> </ol>

## Self-Assessment Checklist

<b>Candidate Name</b>	
<b>Registration No.</b>	
<b>Qualification</b>	Agricultural Machinery Technician (Level-04)
<b>Competency Standard</b>	Operate Plant Protection (PP) Implements
<b>Purpose of Assessment</b>	Formative Assessment
<b>Assessment Task</b>	<ul style="list-style-type: none"> <li>Identify Plant Protection equipment</li> <li>Operate Plant Protection equipment</li> <li>Maintenance Plant Protection equipment</li> </ul>

I can.....

<b>Performance Criteria</b>	<b>Yes</b>	<b>No</b>
1. Identify indicators PP (herbicides, fungicides, insecticides, etc.)	<input type="checkbox"/>	<input type="checkbox"/>
2. Identify PP equipment (hand sprayers, knapsack sprayers, boom sprayers, dusters, etc.)	<input type="checkbox"/>	<input type="checkbox"/>
3. Inspect plant protection equipment	<input type="checkbox"/>	<input type="checkbox"/>
4. Identify the nozzles	<input type="checkbox"/>	<input type="checkbox"/>
5. Inspect pest scouting as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
6. Calibrate plant protection equipment	<input type="checkbox"/>	<input type="checkbox"/>
7. Estimate the water chemical ratio	<input type="checkbox"/>	<input type="checkbox"/>
8. Use of plant protection equipment	<input type="checkbox"/>	<input type="checkbox"/>
9. Uses of nozzles according indicators	<input type="checkbox"/>	<input type="checkbox"/>
10. Estimate operation cost	<input type="checkbox"/>	<input type="checkbox"/>
11. Find problems of PP equipment	<input type="checkbox"/>	<input type="checkbox"/>
12. Maintain knapsack sprayers	<input type="checkbox"/>	<input type="checkbox"/>
13. Maintain Boom sprayers	<input type="checkbox"/>	<input type="checkbox"/>
14. Maintain Dusters	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature\_\_\_\_\_ Assessor's Signature\_\_\_\_\_

Date: \_\_\_\_\_

## Assessors Judgment Guide

<b>Qualification</b>	Agricultural Machinery Technician (Level-04)
<b>Competency Standard</b>	Operate Plant Protection (PP) Implements
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Signature: _____
<b>Assessment Outcome</b>	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

## Observation Checklist

<b>Assessment Task</b>	<ul style="list-style-type: none"> <li>Identify Plant Protection equipment</li> <li>Operate Plant Protection equipment</li> <li>Maintenance Plant Protection equipment</li> </ul>			
<b>During the practical assessment, candidate demonstrated the following:</b>		<b>Yes</b>	<b>No</b>	<b>Remarks</b>
1.	Identify indicators PP (herbicides, fungicides, insecticides, etc.)			
2.	Identify PP equipment (hand sprayers, knapsack sprayers, boom sprayers, dusters, etc.)			
3.	Inspect plant protection equipment			
4.	Identify the nozzles			
5.	Inspect pest scouting as per requirement			
6.	Calibrate plant protection equipment			
7.	Estimate the water chemical ratio			
8.	Use of plant protection equipment			
9.	Uses of nozzles according indicators			
10.	Estimate operation cost			
11.	Find problems of PP equipment			
12.	Maintain knapsack sprayers			
13.	Maintain Boom sprayers			
14.	Maintain Dusters			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

## Knowledge Assessment

<b>Qualification</b>	Agricultural Machinery Technician (Level-04)
<b>Competency Standard</b>	Operate Plant Protection (PP) Implements
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <span><b>COMPETENT</b> <input type="checkbox"/></span> <span><b>NOT YET COMPETENT</b> <input type="checkbox"/></span> </div> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	What are the indicators of plant protection		
2.	What is pest scouting		
3.	What are the types of Sprayers		

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<b>Feedback to the Candidate</b>	
<b>Candidate's Signature</b> _____	<b>Assessor's Signature</b> _____