

Instruction Sheet for the Candidate

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Manage Soil Fertility
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____ Registration/Roll Number_____
Guidance for Candidate	To meet this standard, you are required to complete the following within time frame (for practical demonstration & assessment): <ol style="list-style-type: none"> 1. Prepare for work 2. Organic fertilizer 3. Inorganic fertilizers 4. Perform soil nutrient management
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to: <ol style="list-style-type: none"> 1. Prepare for work <ul style="list-style-type: none"> • Identify and arrange tools required for Nutrition management. • Prepare work plan for required task • Adopt precautionary measures regarding personnel health and safety as per standards 2. Organic fertilizers <ul style="list-style-type: none"> • Select required organic fertilizers for managing nutrition. • Calculate the required amount of organic fertilizer as per standard • Perform application of organic fertilizers as per standards • Ensure health and safety standards 3. Inorganic fertilizers <ul style="list-style-type: none"> • Identify and enlist the inorganic fertilizers • Calculate the amount and type of organic fertilizer as per standard • Perform the application of organic fertilizer as per standard • Ensure health and safety standards 4. Perform soil nutrient management <ul style="list-style-type: none"> • Identify and arrange tools required for manuring • Adopt precautionary measures regarding personnel health and safety as per standards • Prepare work plan for required task
Minimum Evidence Required	

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Manage Soil Fertility
Purpose of Assessment	Formative Assessment
Assessment Task	1. Prepare for work 2. Organic fertilizer 3. Inorganic fertilizers 4. Perform soil nutrient management

I can.....

Performance Criteria	Yes	No
1. Identify and arrange tools required for Nutrition management.	<input type="checkbox"/>	<input type="checkbox"/>
2. Prepare work plan for required task	<input type="checkbox"/>	<input type="checkbox"/>
3. Adopt precautionary measures regarding personnel health and safety as per standards	<input type="checkbox"/>	<input type="checkbox"/>
4. Select required organic fertilizers for managing nutrition.	<input type="checkbox"/>	<input type="checkbox"/>
5. Calculate the required amount of organic fertilizer as per standard	<input type="checkbox"/>	<input type="checkbox"/>
6. Perform application of organic fertilizers as per standards	<input type="checkbox"/>	<input type="checkbox"/>
7. Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>
8. Identify and enlist the inorganic fertilizers	<input type="checkbox"/>	<input type="checkbox"/>
9. Calculate the amount and type of organic fertilizer as per standard	<input type="checkbox"/>	<input type="checkbox"/>
10. Perform the application of organic fertilizer as per standard	<input type="checkbox"/>	<input type="checkbox"/>
11. Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>
12. Identify and arrange tools required for manuring	<input type="checkbox"/>	<input type="checkbox"/>
13. Adopt precautionary measures regarding personnel health and safety as per standards	<input type="checkbox"/>	<input type="checkbox"/>
14. Prepare work plan for required task	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature _____ Assessor's Signature _____

Date: _____

Assessors Judgment Guide

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Manage Soil Fertility
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	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

Assessment Task	1. Prepare for work 2. Organic fertilizer 3. Inorganic fertilizers 4. Perform soil nutrient management			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify and arrange tools required for Nutrition management.	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Prepare work plan for required task	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Adopt precautionary measures regarding personnel health and safety as per standards	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Select required organic fertilizers for managing nutrition.	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Calculate the required amount of organic fertilizer as per standard	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Perform application of organic fertilizers as per standards	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Identify and enlist the inorganic fertilizers	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Calculate the amount and type of organic fertilizer as per standard	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Perform the application of organic fertilizer as per standard	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Identify and arrange tools required for manuring	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Adopt precautionary measures regarding personnel health and safety as per standards	<input type="checkbox"/>	<input type="checkbox"/>	
14.	Prepare work plan for required task	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Manage Soil Fertility
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	<div style="display: flex; justify-content: space-around; align-items: center;"> COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> </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 methods for soil and water sampling?		
2.	How to store soil and water sample?		
3.	How to perform organic fertilizers as per standard?		

4.	How to dispatch samples to soil testing laboratory?		
5.	What are fertilizers, discuss their application techniques?		

Feedback to the Candidate	
Candidate's Signature_____	Assessor's Signature _____