

## Knowledge Assessment

<b>Qualification</b>	National Vocational Certificate level 2 to 5, in Agriculture Sector (Soil, water and fertilizer testing lab technician)
<b>Competency Standard</b>	<b>Perform Uric/Urease nitrogen (n) in solid, liquid and mixed fertilizer by kjeldahl method</b>
<b>Purpose of Assessment</b>	
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<b>COMPETENT</b> <input type="checkbox"/> <b>NOT YET COMPETENT</b> <input type="checkbox"/> 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.

### Perform Uric/Urease nitrogen (n) in solid, liquid and mixed fertilizer by kjeldahl method

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Name the standard solution used for determination of uric nitrogen?		
2.	Enlist Common nitrogen containing fertilizers?		
3.	Write the amount of nitrogen present in 50 kg Urea Bag?		
4.	Mark True statement?		
5.	Plants intake Nitrogen in the form of?		
6.	Write the formula of urea?		

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

## Key

National Vocational Certificate level 2 to 5, in **Agriculture Sector (Soil, Water and Fertilizer Testing Lab Technician)**

**Perform Uric/Urease nitrogen (n) in solid, liquid and mixed fertilizer by kjeldahl method**

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		<b>Satisfactory</b>	<b>Not Satisfactory</b>
7.	Name the standard solution used for determination of uric nitrogen?		
8.	Enlist Common nitrogen containing fertilizers?		
	<ul style="list-style-type: none"> <li>• Urea</li> <li>• Ammonium Nitrate</li> <li>• NPK</li> <li>• DAP</li> </ul>		
9.	Write the amount of nitrogen present in 50 kg Urea Bag?		
	<ul style="list-style-type: none"> <li>• 23 kg</li> </ul>		
10.	Mark True statement?		
	<ul style="list-style-type: none"> <li>• Nitrogen is an important micronutrient required by plants.</li> <li>• Nitrogen improves crop vegetative growth</li> <li>• Urea fertilizer is a major source of Phosphate.</li> </ul>		
11.	Plants intake Nitrogen in the form of?		
	<ul style="list-style-type: none"> <li>• <b>Nitrate</b></li> </ul>		
12.	Write the formula of urea?		
	CH <sub>4</sub> N <sub>2</sub> O		