

## HANDLE EGGS FOR HATCHING

**ISCED UNIT CODE:** 0811 351 01A

**TVETCDACC UNIT CODE:** POL/OS/HT/CR/01/4/MA

### UNIT DESCRIPTION:

This unit specifies the competencies required to handle eggs for hatching. It involves grading of eggs for hatching, storage of fumigated eggs and entry of hatchery records.

### ELEMENTS AND PERFORMANCE CRITERIA

<b>ELEMENT</b> These describe the key outcomes which make up workplace function.	<b>PERFORMANCE CRITERIA</b> These are assessable statements which specify the required level of performance for each of the elements. <i><b>Bold and italicized terms are elaborated in the range.</b></i>
1. Grade eggs for hatching	1.1 <i><b>Personal Protection Equipment and Apparel (PPEs)</b></i> are identified and donned in accordance with <i><b>poultry production manual (PPM)</b></i> and work place procedures 1.2 Hatching eggs are offloaded into the sorting room according to PPM and <i><b>hatching egg handling guidelines</b></i> 1.3 Hatching eggs are sorted into storage trays in accordance with the PPM and hatching egg handling guidelines 1.4 Rejected eggs are disposed in accordance with the <i><b>environmental protection regulations</b></i> and work place procedures
2. Store fumigated eggs	2.1 Hatchery biosecurity measures are observed and adhered to according to PPM guidelines and work place procedures 2.2 Sorted and accepted eggs are fumigated in the fumigation chamber in accordance with the PPM and hatching egg handling guidelines 2.3 Fumigated eggs are stored at a temperature of between 12°C and 18°C awaiting setting in accordance with the PPM and hatching egg handling guidelines
3. Enter hatchery records	3.1 Number of eggs received, source, type and date received are entered into the hatchery inventory record in accordance with work place procedures

	3.2 Number of eggs broken on reception, rejected, accepted / stored are entered into the hatchery inventory record in accordance with work place procedures
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## RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environment and situations that will affect performance.

Variable	Range
1. Poultry production manual (PPM) may include but limited to:	<ul style="list-style-type: none"> <li>• National Poultry Development Programme Manual</li> <li>• Breeder's manuals by breeders like Cobb and Issa Brown</li> </ul>
2. Personal Protection Equipment and Apparel (PPE) may include but limited to:	<ul style="list-style-type: none"> <li>• Overalls</li> <li>• Gumboots</li> <li>• Nose and mouth mask</li> <li>• Goggles</li> <li>• Gloves</li> <li>• Head gear</li> </ul>
3. Hatching egg handling guidelines may include but limited to:	<ul style="list-style-type: none"> <li>• Hand sanitization or wearing gloves whenever handling eggs</li> <li>• Free from communicable diseases</li> <li>• Handling eggs with care</li> <li>• Avoiding wetting the eggs</li> </ul>
4. Environmental protection regulations may include but limited to:	<ul style="list-style-type: none"> <li>• Public Health Act</li> <li>• EMCA 1999</li> <li>• OSH Act 2007</li> </ul>

## REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

### Required skills

The individual needs to demonstrate the following skills:

- Communication
- Egg handling
- Egg sorting
- Numeracy
- Observation
- Record keeping
- Weighing

### Required knowledge

The individual needs to demonstrate knowledge of:

- Egg sizes and shape
- Egg handling
- Egg sorting
- Egg storage
- Record keeping
- Refrigeration methods
- Types of hatchery records
- Personal hygiene

### EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Handled hatching eggs with care in accordance with hatching egg handling regulations</p> <p>1.2 Sorted hatching eggs in accordance with the PPM and hatching egg handling guidelines</p> <p>1.3 Stored hatching eggs in accordance with the PPM and hatching egg handling guidelines</p> <p>1.4 Entered egg records accurately in accordance with work place procedures</p> <p>1.5 Observed occupational safety and health measures in the working environment</p> <p>1.6 Observed laid down environmental protection measures at the work place</p>
2. Resource Implications	<p>The following resources must be provided:</p> <p>2.1 Assessment location / workplace</p> <p>2.2 Personal Protective Equipment and Apparel</p> <p>2.3 Assessment materials</p>
3. Methods of	Competency may be assessed through:

Assessment	3.1 Observation 3.2 Written tests 3.3 Oral questioning 3.4 Third party report
4. Context of Assessment	Competency may be assessed on the job, off the job or during industrial attachment. Off the job assessment must be undertaken in a closely simulated workplace environment.
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.

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