

MANAGE LAYING POULTRY

ISCED UNIT CODE:0811 351 04 A

TVETCDACC UNIT CODE: POL/OS/LY/CR/02/4/MA

UNIT DESCRIPTION:

This unit specifies the competencies required to manage laying poultry. It involves feeding laying birds, cleaning feeding and watering equipment, maintaining suitable litter condition, managing poultry house micro climate and maintaining layers health. It also entails monitoring poultry performance, handling poultry eggs and maintaining poultry records.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
These describe the key outcomes which make up workplace function.	These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the range.</i>
1. Feed laying birds	<p>1.1 Suitable type and form of poultry feed is determined and acquired based on flock age and work place procurement procedures</p> <p>1.2 <i>Feeding tools and equipment</i> are identified and gathered as per poultry production guidelines.</p> <p>1.3 Amount of layer feed is determined and weighed based on grower flock feeding requirements</p> <p>1.4 Feeding and watering equipment are <i>prepared</i> based on their condition, position and flock size</p> <p>1.5 Layer feeding frequency is determined based on guidelines in the PPM</p> <p>1.6 Layer feed and water is dispensed according to amount of weighed feed and water requirements</p>
2. Clean feeding and watering equipment	<p>2.1 Feeding and watering equipment are emptied based on the condition of content</p> <p>2.2 Automated or fixed feeding and watering equipment are cleaned in place following good manufacturing practices (GMP) and hazard critical control point (HACCP) procedures</p> <p>2.3 Non-automated feeding and watering equipment are</p>

	removed from layer house and cleaned out of place following GMP and HACCP procedures
3. Maintain suitable litter condition	<p>3.1 Layer house litter is identified, sourced and placed based on type of house structure, production system, suitability, cost and availability</p> <p>3.2 Layer poultry litter is raked periodically based on its physical conditions</p> <p>3.3 Spoilt litter is replaced based on recommendations in the PPM</p> <p>3.4 Litter maintenance precautions are observed as per poultry production guidelines</p>
4. Manage poultry house micro climate	<p>4.1 Tools and equipment for micro climate moderation are identified, gathered and installed as per poultry production guidelines</p> <p>4.2 Micro climate assessment is performed as per work place requirement</p> <p>4.3 Micro climate is moderated as per poultry environmental requirements, PPM guidelines and farm practice</p>
5. Maintain layers health	<p>5.1 Layer farm biosecurity measures are implemented as per programme design and work place procedures</p> <p>5.2 Vaccination equipment are determined as per the manufacturer's guidelines</p> <p>5.3 Vaccination procedures are carried out as per type of vaccine and vaccination schedule</p> <p>5.4 Layers vaccination records are kept as per organizational requirements</p> <p>5.5 Layers deworming is executed based on veterinarian advice and farm schedule</p> <p>5.6 Vermin control is carried out as per farm practice</p> <p>5.7 Layers health is monitored as per farm practice.</p>
6. Monitor poultry performance	<p>6.1 Poultry vices are monitored and controlled according to PPM recommendations and farm practices</p> <p>6.2 Performance assessment is carried out as per work place procedures</p> <p>6.3 Non-performing layers are culled as per provided culling</p>

	criteria and work place procedures.
7. Handle poultry eggs	<p>7.1 Poultry eggs collected as per the work place practices</p> <p>7.2 Poultry eggs are Sorted and graded as per poultry production requirement</p> <p>7.3 Poultry eggs are packaged as per the farm practices.</p> <p>7.4 Poultry eggs are branded based on the KEBS specifications</p> <p>7.5 Egg production and sales are recorded as per farm practices</p>
8. Maintain poultry records	<p>8.1 Poultry performance and heath records are entered based on provided recording format</p> <p>8.2 Poultry records are maintained according to work place practices</p> <p>8.3 Entered poultry records are kept as per farm practices.</p>

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. Feeding tools and equipment may include but not limited to:	<ul style="list-style-type: none"> • Scoops • Feeders • Waterers • Weighing scales • Buckets
2. Prepared may include but not limited to:	<ul style="list-style-type: none"> • Removing foreign material • Removing spoilt left-over feed • Washing • Drying • Positioning in right pattern and height
3. Litter maintenance precautions may include but not limited to:	<ul style="list-style-type: none"> • Repair of leaking roofs • Avoiding spillage • Proper ventilation
4. Micro climate	<ul style="list-style-type: none"> • Humidity

may include but not limited to:	<ul style="list-style-type: none"> • Temperature • Light • Ventilation/ air flow
5. Vaccination procedures may include but not limited to:	<ul style="list-style-type: none"> • Vaccine constitution • Water deprivation • Vaccine administration
6. Poultry vices may include but not limited to:	<ul style="list-style-type: none"> • Pecking • Cannibalism • Egg eating
7. Performance assessment may include but not limited to:	<ul style="list-style-type: none"> • Weighing • Physical appearance • Gait • Behavior

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:

- Vaccination
- Observation
- Handling
- Numeracy
- Culling
- Egg handling
- Egg sorting
- Egg grading
- Egg packaging
- Record keeping

Required knowledge

The individual needs to demonstrate knowledge of:

- Book keeping
- Egg handling

- Poultry behavior
- Poultry health
- Poultry growth and development
- Poultry handling
- Scales and measurement

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	Assessment requires evidence that the candidate: 1.1 Fed layers correct type and amount of feed 1.2 Moderated layers house micro- climate appropriately 1.3 Maintained litter in good dry condition 1.4 Observed bio- safety measures 1.5 Followed vaccination schedule as planned 1.6 Put in place vermin and predators control measures. 1.7 Collected, graded, sorted and packaged eggs appropriately 1.8 Entered and kept records accurate
2. Resource Implications	The following resources MUST be provided: 2.1 Assessment location / Layer production farm 2.2 Personal Protective Equipment and Apparel
3. Methods of Assessment	Competency may be assessed through: 3.1 Observation 3.2 Written tests 3.3 Oral questioning
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.