

MANAGE KIENYEJI CHICKEN HEALTH AND WELFARE

UNIT CODE: 0841 241 03A

TVET CDACC UNIT CODE: POL/OS/KE/CR/03/3/MA

UNIT DESCRIPTION:

This unit specifies the competencies required to manage poultry health. It involves farm biosecurity, acquisition of health control equipment and supplies, parasite control, vaccination, disease control and record keeping

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT These describe the key outcomes which make up workplace function.	PERFORMANCE CRITERIA 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. Maintain chicken farm biosecurity	1.1 <i>Biosecurity structures and equipment</i> are constructed and installed respectively in accordance with the designs and <i>poultry production manuals (PPM)</i> 1.2 <i>Biosecurity measures</i> are determined as per PPM and farm practice 1.3 Personal Protection Equipment and Apparel are identified, gathered and donned based on job requirements
2. Manage Kienyeji chicken vaccination	2.1 Poultry vaccines are administered in accordance with developed schedule 2.2 Vaccinated poultry are observed to ascertain vaccine intake and check for abnormal reactions in accordance with PPM and vaccine manufacturer's guidelines 2.3 <i>Vaccination details</i> are recorded as per PPM guidelines and farm policies
3. Control chicken parasites, pests and predators	3.1 Poultry flock performance, behavior and droppings are observed daily to detect presence of internal and external parasites as per PPM guidelines 3.2 Poultry flock is de-wormed to control internal parasites following drug manufacturer's guidelines 3.3 External parasites are controlled using guidelines in the PPM

4. Manage chicken Kienyeji diseases and vices	4.1 Poultry showing signs of disease are isolated for further observation per PPM guidelines 4.2 Poultry farm supervisor or qualified veterinary professional is contacted for diagnosis and treatment of sick birds. 4.3 Poultry are monitored for vices as per farm practice 4.4 Poultry vices are controlled as per poultry production manuals
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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. Biosecurity structures and equipment includes but not limited to	<ul style="list-style-type: none"> • Boundary fence (electric or stone wall) • Gate • Entry showers, both at the gate and at the house sites • Foot bathes and vehicle sprayers • Hand washing gadgets • Post mortem rooms • Mortality disposal pits • Rodent and pest control traps
2. Biosecurity Measures includes but not limited to	<ul style="list-style-type: none"> • Color coded clothing for different parts of the farm e.g. feed stores, egg sorting and flock houses • Human traffic restriction • Showering • Rodent and pest control traps • Personal protective equipment
3. Poultry production manuals (PPM) includes but not limited to	<ul style="list-style-type: none"> • National Poultry Development Program Manual • Breeder's manuals by breeders like Cobb and Issa Brown
4. Preparations includes but not limited to	Activities that are carried out before, during and after vaccination; <ul style="list-style-type: none"> • Provision of anti-stress nutritional premixes • Feed and water withdrawal • Confirmation of bird numbers to determine dosage • Provision of disinfectant free water • Positioning vaccine receptacles in the poultry house for oral vaccines • Confine and restrain poultry for injectable and ocular-nasal

	vaccination
5. Vaccination details includes but not limited to	<ul style="list-style-type: none"> • Type of vaccine • Type of disease vaccinated against • Age of poultry • Date and time of vaccination • Date of manufacture and expiry of vaccine • Vaccine source and batch number • Number of birds vaccinated • Identification of birds (flock, type, breed)

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:

- Cleaning
- Communication
- De-beaking
- Diagnostic
- Farm equipment operation skills
- Negotiation
- Observation
- Poultry handling and care

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Required knowledge

The individual needs to demonstrate knowledge of:

- Animal health care
- Animal welfare
- Cleaning and disinfection procedures
- De-beaking procedure
- Mode of disease and parasite spread
- Poultry behavior
- Poultry biosecurity measures
- External parts of chicken body
- Poultry nutritional disorders
- Signs of ill health in poultry

- Types of cleaning agents, sanitizers and disinfectant
- Types of external and internal poultry parasites
- Types of vaccines
- Vaccination sites

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 Implemented biosecurity measures 1.2 Put in place control measures for internal and external parasites 1.3 Implemented vaccination program
2. Resource Implications	The following resources must be provided: 2.1 Assessment location / poultry 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 3.4 Third party report
4. Context of Assessment	Competency may be assessed on the job, off the job or a combination of these. 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.