

## KIENYEJI CHICKEN HEALTH AND WELFARE MANAGEMENT

**UNIT CODE:** 0841 241 03A

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

### Relationship to Occupational Standards

This unit addresses the Unit of Competency: Manage *Kienyeji* Chicken Health

**Duration of Unit:** 100 hours

### Unit Description

This unit specifies the competencies required to manage *Kienyeji* chicken health. It involves farm biosecurity, parasite control, vaccination, control of diseases and vices

### Summary of Learning Outcomes

By the end of this unit, the learner should be able to:

| S/No         | Learning Outcomes                                 | Duration (Hours) |
|--------------|---|------------------|
| 1.           | Maintain <i>Kienyeji</i> chicken farm biosecurity | 20               |
| 2.           | Manage <i>Kienyeji</i> chicken vaccination        | 20               |
| 3.           | Control <i>Kienyeji</i> chicken parasites         | 30               |
| 4.           | Manage <i>Kienyeji</i> chicken diseases and vices | 30               |
| <b>Total</b> |   | <b>100</b>       |

### Learning Outcomes, Content and Suggested Assessment Methods

| Learning Outcome                                | Content  | Suggested Assessment Methods   |
|---|--|--|
| 1. Maintain <i>Kienyeji</i> chicken biosecurity | 1.1. Personal Protection Equipment<br>1.1.1. Gloves<br>1.1.2. Dust coat/overall<br>1.1.3. Gumboots<br>1.1.4. Goggles | Written tests<br>Observation<br>Oral questions<br>Third party report<br>Interviewing |

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|  | <p>1.1.5. Face mask.</p> <p>1.2. Biosecurity structures and equipment</p> <p>1.2.1. Boundary fence (electric or stone wall)</p> <p>1.2.2. Gate</p> <p>1.2.3. Entry showers, both at the gate and at the house sites</p> <p>1.2.4. Foot bathes and vehicle sprayers</p> <p>1.2.5. Hand washing gadgets</p> <p>1.2.6. Post mortem rooms</p> <p>1.2.7. Mortality disposal pits</p> <p>1.2.8. Rodent and pest control traps</p> <p>1.3. Biosecurity measures in a chicken farm</p> <p>1.4. Chicken waste management</p> <p>1.4.1. Litter (droppings, feathers, spilt feed, dead birds)</p> <p>1.4.2. Other wastes (plastics, glass, paper, metals and fluids)</p> <p>1.5. Biosecurity records</p> | Case study reports   |
| 2. Manage <i>Kienyeji</i> chicken vaccination              | <p>2.1 Bird handling methods</p> <p>2.2 Vaccination schedule</p> <p>2.3 Vaccine handling</p> <p>2.4 Vaccination sites and routes</p> <p>2.5 Vaccines abnormal reactions</p> <p>2.6 Vaccination records</p>  | <ul style="list-style-type: none"> <li>• Observation</li> <li>• Written tests</li> <li>• Oral questions</li> <li>• Interviewing</li> <li>• Third party report</li> </ul> |
| 3. Control <i>Kienyeji</i> chicken parasites and predators | <p>3.1 Economic importance of parasites and predictors.</p> <p>3.2 Parasites and predictors predisposing factors</p>  | <ul style="list-style-type: none"> <li>• Observation</li> <li>• Written tests</li> <li>• Oral questions</li> <li>• Interviewing</li> </ul>                               |

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|  | <p>3.3 External and internal chicken parasites</p> <ul style="list-style-type: none"> <li>• Internal (round worms)</li> <li>• External (mites, soft ticks, fleas)</li> </ul> <p>3.4 Prevention and control measures</p> <p>3.5 Chicken pests and predators</p> <ul style="list-style-type: none"> <li>• Types</li> <li>• Control measures</li> </ul> <p>3.6 Kienyeji chicken parasites and predator's management records.</p>                                   | <ul style="list-style-type: none"> <li>• Third party report</li> </ul>   |
| 4. Manage <i>Kienyeji</i> chicken diseases and vices | <p>4.1 Economic importance of chicken diseases and vices</p> <p>4.2 Chicken diseases and vices predisposing factors</p> <p>4.3 General signs of ill health in chicken</p> <p>4.4 General disease prevention and control measures</p> <ul style="list-style-type: none"> <li>• Chicken vices</li> <li>• Types of vices</li> </ul> <p>4.5 Chicken diseases and vices prevention and control measures</p> <p>4.6 Chicken diseases and vices management records</p> | <ul style="list-style-type: none"> <li>• Observation</li> <li>• Written tests</li> <li>• Oral questions</li> <li>• Interviewing</li> <li>• Third party report</li> </ul> |

### Suggested Methods of Instruction

- Project
- Demonstration by trainer
- Practice by the trainee
- Field trips
- Discussions

- Direct instruction
- Electronic audio-visual presentations
- Simulations

## **Recommended Resources**

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| <ul style="list-style-type: none"> <li>• Stationery (pen and sketching books)</li> <li>• Chicken shackles</li> <li>• Scapels</li> <li>• Cleaning materials and equipment</li> <li>• Disinfectants</li> <li>• Sanitizers</li> <li>• Disposal pits</li> <li>• Weighing scales</li> <li>• Debeaking machine</li> <li>• Wing stab needles</li> <li>• Strategic chicken drugs – preventative and emergency</li> </ul> | <ul style="list-style-type: none"> <li>• Automatic vaccination syringes</li> <li>• Syringes and needles</li> <li>• Vaccines</li> <li>• Chicken dewormers</li> <li>• Coccidials</li> <li>• Chicken acaricides</li> <li>• Chicken dusts</li> <li>• Footbaths</li> <li>• Spayers</li> <li>• Waste management equipment and material</li> <li>• Litter rakes</li> <li>• Litter bins</li> <li>• Rodenticides</li> <li>• Rodent control traps</li> </ul> | <ul style="list-style-type: none"> <li>• Flock health records</li> <li>• Water</li> <li>• PPEs</li> <li>• Standard work place procedures</li> <li>• Animal diseases act Cap 365, legal notice 47 of 1985</li> <li>• NEMA regulations and audits</li> <li>• Livestock Production Manual</li> </ul> |
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