

BREED LIVESTOCK

UNIT CODE: AGR/OS/EXT/CR/06/4

UNIT DESCRIPTION

This unit specifies the competencies required to breed livestock. It involves preparing to breed livestock, breeding the livestock, waste management and documentation.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT These describe the key outcomes which make up workplace function (to be stated in active voice)	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements (to be stated in passive voice) <i>Bold and italicized terms are elaborated in the Range</i>
1. Prepare to breed livestock	1.1 <i>Tools, equipment and materials</i> are identified and assembled according to livestock breeding plan 1.2 <i>Selection method</i> is chosen based on the desired characteristics 1.3 Size of the breeding stock is determined depending on resources available 1.4 Breeding <i>animals</i> are identified and selected based on the selection method chosen 1.5 The <i>breeding method</i> is identified and selected based on the desired outcome 1.6 Livestock for breeding are prepared according to Livestock Production Manual (LPM)
2. Breed the livestock	2.1 Signs of heat are detected according to the type of animal 2.2 Animals are bred according to the breeding method chosen, type of animal and the breeding objective.
3. Complete animal breeding	3.1 Livestock breeding/ serving template is filled and filed. 3.2 Success of breeding is evaluated according to the objectives 3.3 Waste and recyclable materials are sorted and disposed according to <i>workplace policy</i>

	<p>3.4 Reusable equipment and tools are cleaned, sterilized and stored as per the workplace policy.</p> <p>3.5 Livestock breeding activities are documented according to LPM</p> <p>3.6 Monitoring of the animal after serving is done to check for any repeat of heat signs or failure of conception according to the LPM.</p>
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RANGE

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

VARIABLE	RANGE (May include but are not limited to :)
Tools equipment and materials and structures	<ul style="list-style-type: none"> • Personal Protective Equipment • Livestock restraining tools • Water • Stationery • Ram/ Buck harness and crayons • Breeding pens
Selection method	<ul style="list-style-type: none"> • Mass selection • Progeny • Family • Pedigree • Multiple trait selection
Livestock	<ul style="list-style-type: none"> • Cattle • Sheep • Poultry • Emerging livestock • Fish • Pig • Rabbits • Bees • Equines • Goats
Breeding method	<ul style="list-style-type: none"> • Natural • Artificial

Environmental management regulations	<ul style="list-style-type: none"> • Environmental Management and Coordination Act – EMCA • National environmental management authority regulations • OHS
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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:

- Animal handling
- Animal identification
- Tools and equipment handling
- Observation
- Perceptual skills (auditory, visual)
- Recording
- Writing
- Communication

Basic numeracy

Required Knowledge

The individual needs to demonstrate knowledge of:

- Animal anatomy
- Breed characteristics
- Livestock production systems
- Livestock Welfare
- Breeding methods
- Breeding systems
- Culling animal
- Occupational safety and health Factors affecting fertility
- Heat cycle
- Heat signs
- Personal protective equipment
- Livestock welfare
- Reproductive efficiency
- Waste management

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 Gathered materials tools and equipment appropriately 1.2 Observed laid down environmental workplace policy keenly 1.3 Observed safety measures correctly 1.4 Selected and prepared breeding stock precisely 1.5 Followed the veterinary officers instructions keenly 1.6 Used materials and resources efficiently 1.7 Stored unused materials, clean tools and equipment properly 1.8 Documented animal breeding activities correctly
2. Resource Implications	The following resources must be provided: 2.1 Assessment location - functional farm with various livestock species, livestock structures, tools, equipment and materials for livestock breeding. 2.2 Personal protective equipment 2.3 Materials, tools and equipment
3. Methods of Assessment	Competency in this unit may be assessed through: 3.1 Observation 3.2 Oral interview 3.3 Written exam 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 role is recommended.