PRODUCE CONVECTIONAL AND NON-CONVECTIONAL LIVESTOCK

UNIT CODE: AGR/OS/EXT/CR/01/6/A

UNIT DESCRIPTION

This unit specifies competencies required to produce convectional and non-convectional livestock. It involves selecting breeding stock, designing animal structures, constructing animal structures, installing and maintaining livestock tools, equipment and machines, breeding convectional and non-convectional live stocks, practicing livestock husbandry and managing young and growing stocks.

ELEMENTS AND PERFORMANCE CRITERIA

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ELEMENT	PERFORMANCE CRITERIA			
These describe the key	These are assessable statements which specify the required level of			
outcomes which make	performance for each of the elements.			
up workplace function.	Bold and italicized terms are elaborated in the Range.			
1. Select breeding	1.1 Breeding stocks are chosen according to breeding standards.			
stock	1.2 <i>Breeding methods</i> are identified according to intended breeder outcome.			
	1.3 Tools and equipment are chosen and prepared according to the requirement of the breeding operation.			
	1.4 Breed selection is done according to standard selection			
	methods.			
	1.5 Breeding is done according to the set criteria in the livestock			
	production manual.			
2. Design and	2.1 Animal structures are designed according to animal housing			
construct farm	plan.			
structures	2.2 Structure and maintenance materials are identified and			
	gathered according to animal housing plan.			
	2.3 Animal structures are constructed according to animal			
	housings plan in accordance to livestock production manual.			
3. Install and				
maintain livestock tools, equipment	3.1 Tools, equipment and machines are assembled as per manufactures manual			
and machines	3.2 Tools, equipment and machines are fitted as per the housing plan and requirement			
	3.3 Tools, equipment and machines are cleaned as per manufactures manual.			
	3.4 Tools, equipment and machines are sharpened as per			
	manufactures manual.			
	3.5 Tools, equipment and machines are greased or oiled as per			
	manufactures manual.			
	3.6 Tools, equipment and machines are replaced as per the work			
	policy.			

4.	Breed farm animals	 4.1 Livestock routine management practices are identified based on animal type and category. 4.2 Livestock are prepared for breeding as per livestock production manual. 4. 3 Livestock are bred in accordance with livestock production manual
5.	Practice livestock husbandry	 5.1 Livestock structures requirement are adhered to according to animal species specified in LPM. 5.2 Livestock are housed based on LPM. 5.3 Livestock structures are cleaned, disinfected or fumigated as per LPM. 5.4 Personal protective equipment is adhered to as per occupation safety and health standards 5.5 Bio-security measures are adhered to according to animal disease handbook and LPM
6.	Manage young and growing stocks	 1.1 Young stocks are weighed as per manufacturer's specification. 1.2 Young stocks are fed as per the guidelines in LPM 1.3 Young stock is weaned following procedures stipulated in LPM. 1.4 Young stocks are housed according to breed and age as per LPM 1.5 Growing stock are housed separately as per LPM 1.6 Growing stocks are fed according to the feeding standards as per feeding standards tables. 1.7 Fully grown stocks are assessed for breeding in accordance with LPM

RANGE OF VARIABLES

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.

	RANGE	VARIABLE
1.	Breeding methods may include but not limited to:	 Natural mating Artificial breeding Embryo transfer Cross breeding Inbreeding etc.
	selection methods may include but not limited to:	 Mass selection Progeny testing Family selection Pedigree Multiple trait selection

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:

- Breed assessment
- Handling tools and equipment
- Animal breeding
- animal structure design
- Construction
- Installation
- Animal handling

- weighing
- feeding
- animal assessment

Required knowledge

The individual needs to demonstrate knowledge of:

- Types of breeds
- Animal behavior
- Types of livestock
- Farm animal structures designs
- Procurement
- Maintenance of tools and equipment.
- Measurement
- Construction
- Knowledge in tool, equipment and machines
- Animals production
- Handling of animals
- Preparing animals for breeding
- Animal measurement
- Breeding behavior
- Pre-breeding feeding
- Environment hygiene and safety
- Animal health {Parasite control, vaccination and deworming.}
- Types of livestock structures
- Livestock structures hygiene and safety
- Types of personal protective equipment
- Bio-security measures
- Weighing young stock
- Weaning procedures
- Housing
- Assessment of growing stock for breeding.
- Feeding young and growing stock.
- Types of feeds for different animal species

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	Assessment requires evidence that the candidate:
aspects of	Demonstrated:
competency	1.1 Ability to choose breeding stocks
	1.2 Understanding of breeding methods
	1.3 Ability to select breeds
	1.4 Ability to design animal structures

	1.5 Ability to construct animal structures
	1.6 Ability to install and maintain animal tools and equipment
	1.7 Ability to carry out livestock routine management practices
	1.8 Ability to use personal protective equipment
	1.9 Understanding of bio-security measures
2. Resource	The following resources should be provided:
implication	2.1 Materials, tools and equipment
	2.2 Assessment location
	2.3 Personal protective equipment
	2.4 Various types livestock
3. Method of	Competency in this unit may be assessed through:
assessment	3.1 Projects
	3.2 Observation
	3.3 Written tests
	3.4 Questionnaires
	3.5 Oral questioning
4. Context of	4.1 Competency elements must be assessed in a safe working
assessment	environment
	4.2 Assessment may be conducted in a workplace or simulated
	environment
5. Guidance	Holistic assessment with other units relevant to the industry sector,
information	workplace and job role is recommended.
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assessment	and the second second