

BQA NCQF QUALIFICATION TEMPLATE

SECTION A: QUALIFICATION DETAILS																		
QUALIFICATION DEVELOPER (S)			Madirelo Training and Testing Centre															
TITLE		Certificate III in Livestock Farming and Management							NCQF LEVEL			3						
STRANDS (where applicable)		N/A																
FIELD		Agriculture and Nature Conservation							CREDIT VALUE			120						
SUB FIELD		Animal Production																
New Qualification				Legacy Qualification					Renewal Qualification			✓						
									Registration Code			Q0349						
SUB-FRAMEWORK		General Education					TVET		✓		Higher Education							
QUALIFICATION TYPE		Certificate		I		II		III	✓	IV		V		Diploma			Bachelor	
		Bachelor Honours					Post Graduate Certificate					Post Graduate Diploma						
		Masters								Doctorate/ PhD								
RATIONALE AND PURPOSE OF THE QUALIFICATION																		
RATIONALE: The reviewed Certificate III in Livestock Farming and Management is informed by the Human Resource Development Council (HRDC) Priority Skills Report (2025), which identifies agriculture as one of Botswana's priority sectors for economic diversification, food security, employment creation, and sustainable rural development. The report highlights continued demand for skilled agricultural personnel capable of improving livestock productivity, strengthening value chains, and supporting the modernization of the agricultural sector. The qualification also aligns with Botswana's Vision 2036 and national agricultural development priorities, which promote commercial agriculture, climate resilience, import substitution, and increased citizen participation in																		

productive sectors.

The qualification is further aligned with the International Standard Classification of Occupations (ISCO-08), particularly occupations within Major Group 6: Skilled Agricultural, Forestry and Fishery Workers, including livestock producers, mixed crop and livestock farmers, and animal production workers. These occupations require practical and technical competencies in livestock production, breeding, nutrition, animal health, biosecurity, farm resource management, occupational safety, and sustainable farming practices to meet current industry requirements.

Rapid technological developments in livestock farming, including precision agriculture, digital farm record management, improved breeding systems, and animal health monitoring technologies, require a workforce equipped with both practical and management skills. In addition, increasing emphasis on quality assurance, environmental sustainability, climate-smart agriculture, and compliance with animal welfare and food safety standards has expanded the competency requirements for livestock personnel.

The reviewed qualification therefore equips graduates with the knowledge, practical skills, and professional competencies required to manage livestock enterprises efficiently, apply modern production technologies, implement biosecurity and animal health measures, maintain farm records, and operate in accordance with national and international agricultural standards. It also prepares graduates for employment, self-employment, and entrepreneurial opportunities within the livestock value chain while providing progression pathways to higher qualifications. Consequently, the qualification contributes to developing a competent workforce capable of supporting Botswana's agricultural transformation, enhancing national food security, and improving the competitiveness and sustainability of the livestock industry.

The purpose of this qualification is to produce graduates with basic operational and theoretical knowledge skills and competences to:

1. Carry out agricultural livestock practices using safe handling and routine care procedures to promote animal welfare, workplace safety, food security, and sustainability.
2. Apply knowledge of animal anatomy and physiology to support livestock production, improve animal health, productivity, and overall farm performance.
3. Conduct herd health inspections to identify diseases, implement preventive measures, and maintain healthy livestock in accordance with industry standards.

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4. Plan and manage livestock projects using sustainable, climate-smart agricultural practices that promote environmental conservation and successful livestock enterprises.
5. Apply communication principles and computer concepts to support effective task execution and problem-solving in the workplace.

MINIMUM ENTRY REQUIREMENTS (including access and inclusion)

Certificate II, NCQF Level 2 or equivalent.

There shall be access and inclusion through Credit Accumulation Transfer and Recognition Prior Learning in line with ETP policies.

SECTION B

QUALIFICATION SPECIFICATION

GRADUATE PROFILE (LEARNING OUTCOMES)

ASSESSMENT CRITERIA

1. Carryout agricultural livestock practices in accordance with set standards for food security and sustainability

- 1.1 Adhere and promote safety in all operations regarding animal handling ethics.
- 1.2 Discuss major types of livestock enterprises (cattle, poultry, goats, pigs, sheep, etc.) with Farmers to empower them with current industrious production knowledge and choice of breeds.
- 1.3 Discuss the socio - economic importance of livestock farming with stakeholders to equip them with relevant information for them to fully contribute to national development.
- 1.4 Execute the management of major types of livestock enterprises as per agricultural principles (feeding, breeding, housing, health care, record keeping) to hence farm productivity.
- 1.5 Market livestock produce to maximize profit and sustainability of the

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	enterprise. 1.6 Engage livestock stakeholders on challenges facing livestock enterprises and propose sustainable solutions considering animal welfare standards.
2. Use Tools and Equipment appropriately by applying safe handling practices and routine care procedures to improve efficiency, animal welfare and safety in the work place	2.1 Educate farmers on different tools and equipment used in Livestock Farming stating their functions and care as per the manufacturer's guidelines. 2.2 Use appropriate tools and equipment for a specific husbandry activity in accordance with a set standard. 2.3 Apply correct care and storage procedures for different tools and equipment 2.4 Perform the after care of animals after each activity to ensure successful operations.
3. Exhibit the knowledge of Anatomy and Physiology of farm animals by relating to animal production practices to enhance good health and throughput.	3.1 Discuss major anatomical structures of farm animals (skeletal, digestive (ruminant and non-ruminant), reproductive, circulatory, respiratory systems) with farmers in order to equip them with how animal body systems work. 3.2 Educate farmers on major anatomical structures of farm animals (skeletal, digestive, reproductive, circulatory, respiratory systems) to equip them with skills of handling livestock. 3.3 Relate anatomy and physiology to animal production practices (feeding, breeding, health and skeletal).
4. Execute Herd Health inspection as per the set standard to maximise disease control measures	4.1 Discuss with farmers general disease prevention measures in order to assist with diseases surveillance using the set animal disease control standards. 4.2 Carryout administration of drugs and vaccines as per manufacturer's instructions. 4.3 Perform disease diagnosis and develop vaccination and treatment plans to maintain livestock health and control diseases in accordance

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	with veterinary standards. 4.4 Discuss internal and external parasites (effects, identification, life cycle, common signs, control) with farmers using the veterinary standard procedures. 4.5 Implement farm-level bio-security measures to reduce animal disease occurrences and production risks.
5. Carry out Livestock Project Planning using contemporary measures for a successful and sustainable venture	5.1 Engage stakeholders on factors of production (land, capital, labour and management skills) for sustainable and legitimate livestock business project. 5.2 Conduct a feasibility study for a specific livestock enterprise to establish the practical possibility of achieving a goal and implementing the ideas. 5.3 Discuss with stakeholders factors to consider when choosing a suitable site for livestock enterprise to en-cooperate practical, logistical and environmental variables. 5.4 Draw projections for a specific livestock venture. 5.5 Educate stakeholders on Identifying common risks in livestock projects and ways to remedy the risks.
6. Implement green agriculture in livestock farming in accordance with environmental conservation concepts to protect natural resources.	6.1 Discuss environmental conservation policies and regulations of Botswana with stakeholders to empower them with the relevant knowledge to conserve pastures. 6.2 Educate farmers to Identify environmental risks in livestock farming (soil erosion, overgrazing, water pollution) for sustainable production. 6.3 Discuss conservation practices (such as rotational grazing, pasture rehabilitation, and erosion control) with farmers to ensure sustainable range lands utilization. 6.4 Apply frequent removal of livestock waste techniques and utilize the waste in order to advance the green agriculture concept.

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SECTION C	QUALIFICATION STRUCTURE				
COMPONENT	TITLE	Credits Per Relevant NCQF Level			Total Credits
		Level [3]	Level []	Level []	
FUNDAMENTAL COMPONENT Subjects/ Courses/ Modules/Units	Communication Skills	10			10
	Computer Skills	10			10
CORE COMPONENT Subjects/Courses/ Modules/Units	1. Agricultural Livestock Practices	25			25
	2. Livestock Tools and Equipment	20			20
	3. Anatomy and Physiology of Farm animals	15			15
	4. Herd Health and Biosecurity	20			20
	5. Livestock Project Planning	10			10
	6. Green Agriculture in Livestock	10			10

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	Farming				
STRANDS/ SPECIALIZATION	Subjects/ Courses/ Modules/Units	Credits Per Relevant NCQF Level			Total Credits
		Level []	Level []	Level []	
1.					
	N/A				
2.					
Electives					

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SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL

TOTAL CREDITS PER NCQF LEVEL

NCQF Level	Credit Value
NCQF Level 3	120
TOTAL CREDITS	120

Rules of Combination:

(Please Indicate combinations for the different constituent components of the qualification)

To graduate candidate should achieve a maximum of 120 credits inclusive of 20 credits for fundamental and 100 credits core. Qualification does not have elective components.

ASSESSMENT ARRANGEMENTS

Assessment shall be conducted by persons registered with Botswana Qualifications Authority (BQA) as assessors preferably with a qualification higher than Certificate III in Livestock Framing and Management or related in line with ETP assessment policies.

The weightings for the assessment will be as follows:

a) Formative assessment

The weighting of formative assessment is 60%.

b) Summative Assessment

The weighting of summative assessment is 40%.

MODERATION ARRANGEMENTS

Moderation shall be conducted by persons registered with Botswana Qualifications Authority (BQA) as moderators preferably with a qualification higher than Certificate III in Livestock Framing and Management or related in line with ETP moderation policies.

RECOGNITION OF PRIOR LEARNING

There shall be provision for award of the qualification through Recognition of Prior Learning (RPL) in accordance with institutional policies in line with the Educational Training Provider (ETP) policy.

CREDIT ACCUMULATION AND TRANSFER

Credits Accumulated and Transfer (CAT) will be administered in line with the Educational Training Provider (ETP) policy and will be administered towards the award of qualification

PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)

Horizontal Articulation (related qualifications of similar level that graduates may consider)

Certificate III in Animal Production

Certificate III in Animal Science

Certificate III in Animal Health

Vertical Articulation (qualifications to which the holder may progress)

Certificate IV in Livestock farming

Certificate IV in Animal Production

Certificate IV in Animal Science

Certificate IV in Animal Health

EMPLOYMENT

- ✓ Laboratory assistant
- ✓ Salesperson
- ✓ Field Assistant
- ✓ Farm workers,
- ✓ Assistant farm managers

QUALIFICATION AWARD AND CERTIFICATION

Minimum standards of achievement for the award of the qualification

A candidate is required to achieve the stipulated minimum of 120 credits inclusive of 20 credits for fundamental and 100 credits for core components, to be awarded the qualification.

Certification

Candidates meeting prescribed requirements will be awarded Certificate III in Livestock Farming and Management certificate in accordance with standards prescribed for the award of the certificate and applicable policies

SUMMARY OF REGIONAL AND INTERNATIONAL COMPARABILITY

Regional: National Certificate: Animal Production, South Africa

International: New Zealand Certificate in Agriculture (Level 3) – Farming Systems, New Zealand

Titles

Both qualifications are certificates. However, the qualifications differ in terms of naming conventions as the reviewed Certificate III in Livestock Farming and Management places emphasis on both livestock farming and management, National Certificate: Animal Production focused on animal production only, the New Zealand Certificate in Agriculture – Farming Systems focus on integrated farming systems

NCQF Level

All three qualifications are at NQF Level 3. These shows equal level of difficulty of these qualifications.

Exit Outcomes

The reviewed and benchmarked qualifications develop learners to apply basic animal production practices, including feeding, handling, and managing livestock according to species-specific requirements and welfare standards, support animal health, breeding, reproduction, and production cycles while ensuring biosecurity and disease prevention measures are maintained, assist in farm production systems by carrying out routine operations in livestock and/or crop farming environments, operate basic agricultural tools, equipment, machinery, and infrastructure safely under supervision in line with workplace requirements and apply workplace safety, environmental sustainability, pasture management, and biosecurity practices in agricultural production systems. The reviewed qualification furthermore builds competence in demonstration of skills and knowledge on to plan and manage livestock projects using sustainable, climate-smart agricultural practices that promote environmental conservation and successful livestock enterprises.

Modules / Courses / Subjects

All qualifications cover core agricultural competencies such as animal health, livestock handling, nutrition, welfare, biosecurity, safety, and sustainability. Benchmark qualifications provide more detailed coverage of breeding, species-specific management, and broader farming systems including machinery use, pasture management, irrigation, and seasonal operations. The reviewed qualification retains strong livestock focus.

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Assessment Strategies and Weightings

The reviewed and benchmarked qualifications use competency-based assessment focused on practical skills demonstrated in real or simulated farming environments. They apply structured formative 40% and summative 60% weightings, while the other benchmarked qualifications mainly on workplace competency evidence without fixed percentages.

Qualification Rules and Minimum Standards for Award

Both qualifications require learners to demonstrate full competency across all required components before certification is awarded.

REVIEW PERIOD

This program shall be reviewed every five (5) years, however review maybe undertaken earlier as needed.

For Official Use Only:

CODE (ID)			
REGISTRATION STATUS	BQA DECISION NO.	REGISTRATION START DATE	REGISTRATION END DATE
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT	
