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SOUTH AFRICAN QUALIFICATIONS AUTHORITY
REGISTERED UNIT STANDARD:

Evaluate, adjust and implement factors influencing agricultural enterprises

SAQA US ID		UNIT STANDARD TITLE		
116293		Evaluate, adjust and implement factors influencing agricultural enterprises		
ORIGINATOR		ORIGINATING PROVIDER		
SGB Primary Agriculture				
QUALITY ASSURING BODY				
-				
FIELD			SUBFIELD	
Field 01 - Agriculture and Nature Conservation			Primary Agriculture	
ABET BAND	UNIT STANDARD TYPE	OLD NQF LEVEL	NEW NQF LEVEL	CREDITS
Undefined	Regular	Level 4	NQF Level 04	3
REGISTRATION STATUS		REGISTRATION START DATE	REGISTRATION END DATE	SAQA DECISION NUMBER
Reregistered		2009-07-01	2012-06-30	SAQA 0480/09
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2013-06-30		2016-06-30		

In all of the tables in this document, both the old and the new NQF Levels are shown. In the text (purpose statements, qualification rules, etc), any reference to NQF Levels are to the old levels unless specifically stated otherwise.

This unit standard does not replace any other unit standard and is not replaced by any other unit standard.

PURPOSE OF THE UNIT STANDARD

Learners are capable of evaluating and adjusting the enterprise and production processes of animal and crop enterprises. In addition they will be well positioned to extend their learning and practice into other areas of agriculture, specifically crop production and animal production systems. This training will benefit the profession by equipping learners with adequate skills to improve productivity and performance.

Learners will understand the importance of the application of business principles in agricultural production with specific reference to enterprise planning.

They will be able to operate farming practices as businesses and will gain the knowledge and skills to move from a subsistence orientation to an economic orientation in agriculture. Farmers will gain the

knowledge and skills to access mainstream agriculture through a business-orientated approach to agriculture.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that a learner attempting this unit standard will demonstrate competence against the unit standard or equivalent:

- NQF 3: Interpret factors influencing agricultural enterprises, and plan accordingly.

UNIT STANDARD RANGE

Whilst range statements have been defined generically to include as wide a set of alternatives as possible, all range statements should be interpreted within the specific context of application.

Range statements are neither comprehensive nor necessarily appropriate to all contexts. Alternatives must however be comparable in scope and complexity. These are only as a general guide to scope and complexity of what is required.

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Evaluate and adjust production processes so that natural resources required are managed sustainably.

OUTCOME RANGE

Natural resources include soil, water, climate, vegetation and topography.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Recommendations of soil and water sample analysis are evaluated and the relevant enterprises are adjusted.

ASSESSMENT CRITERION 2

Processes are adjusted to take account of weather forecasts.

ASSESSMENT CRITERION 3

The production cycle processes are appraised, adjusted and incorporated into the relevant enterprises.

ASSESSMENT CRITERION 4

Production processes according to observation and reports are evaluated and adjusted.

ASSESSMENT CRITERION 5

Production records are appraised and the outcomes are incorporated into the production processes.

ASSESSMENT CRITERION 6

Production is adjusted according to the evaluation of market information.

SPECIFIC OUTCOME 2

Compare and evaluate infrastructural factors affecting requirements.

OUTCOME RANGE

Infrastructural requirements include fencing, housing, water supply, electricity, handling facilities, access and other.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Factors affecting the role and function of infrastructure for the relevant enterprises are evaluated and adjusted.

ASSESSMENT CRITERION 2

Required adjustments to the infrastructure are integrated and implemented.

ASSESSMENT CRITERION 3

According to relevant regulations and legislation the enterprise is evaluated, and adjustments made and implemented where appropriate.

SPECIFIC OUTCOME 3

Evaluate and adjust required stock.

OUTCOME RANGE

All livestock and crops required for the relevant enterprise.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Deficiencies in production regarding stock are evaluated and adjusted to ensure optimum production.

ASSESSMENT CRITERION 2

The characteristics and needs of livestock and crops are evaluated and adjustments to the enterprise are made accordingly.

ASSESSMENT CRITERION 3

The suitability of resources for specific enterprises are evaluated and adjusted, and appropriate changes implemented.

SPECIFIC OUTCOME 4

Evaluate and adjust harvest procedures required.

OUTCOME RANGE

All livestock and crops required for the relevant enterprise.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

The criteria for successful harvesting are evaluated, adjusted and implemented into the enterprise.

ASSESSMENT CRITERION 2

Harvest practices are evaluated and adjustments are implemented.

ASSESSMENT CRITERION 3

Good health and hygiene principles are evaluated and harvesting procedures are adjusted.

ASSESSMENT CRITERION 4

Health and hygiene regulations and legislation are evaluated and adjustments where required are included.

ASSESSMENT CRITERION 5

Products are evaluated and adjusted accordingly to quality standards.

SPECIFIC OUTCOME 5

Compare and integrate the post harvest factors.

OUTCOME RANGE

All livestock and crops required for the relevant enterprise.

ASSESSMENT CRITERIA**ASSESSMENT CRITERION 1**

The procedures for successful post harvesting practices are compared and integrated into the relevant enterprise.

ASSESSMENT CRITERION 2

Post harvest practices are evaluated and adjusted where necessary.

ASSESSMENT CRITERION 3

Good health and hygiene principles are assessed and adjustments are made where necessary.

ASSESSMENT CRITERION 4

Health and hygiene regulations and legislation are reviewed and changes are integrated into the procedures.

ASSESSMENT CRITERION 5

Products are evaluated and quality standards are adjusted accordingly.

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS

The assessment of qualifying learners against this standard should meet the requirements of established assessment principles.

It will be necessary to develop assessment activities and tools, which are appropriate to the contexts in which the qualifying learners are working. These activities and tools may include an appropriate combination of self-assessment and peer assessment, formative and summative assessment, portfolios and observations etc.

The assessment should ensure that all the specific outcomes; critical cross-field outcomes and essential embedded knowledge are assessed.

The specific outcomes must be assessed through observation of performance. Supporting evidence should be used to prove competence of specific outcomes only when they are not clearly seen in the actual performance.

Essential embedded knowledge must be assessed in its own right, through oral or written evidence and cannot be assessed only by being observed.

The specific outcomes and essential embedded knowledge must be assessed in relation to each other. If a qualifying learner is able to explain the essential embedded knowledge but is unable to perform the specific outcomes, they should not be assessed as competent. Similarly, if a qualifying learner is able to perform the specific outcomes but is unable to explain or justify their performance in terms of the essential embedded knowledge, then they should not be assessed as competent.

Evidence of the specified critical cross-field outcomes should be found both in performance and in the essential embedded knowledge.

Performance of specific outcomes must actively affirm target groups of qualifying learners, not unfairly discriminate against them. Qualifying learners should be able to justify their performance in terms of these values.

- Anyone assessing a learner against this unit standard must be registered as an assessor with the relevant ETQA.
- Any institution offering learning that will enable achievement of this unit standard or assessing this unit standard must be accredited as a provider with the relevant ETQA.
- Moderation of assessment will be overseen by the relevant ETQA according to the moderation guidelines in the relevant qualification and the agreed ETQA procedures.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE

The person is able to demonstrate a basic knowledge of:

- Role and function of soil and water samples, weather information, vegetation, infrastructure, breed characteristics, production cycles, records, markets, health and hygiene within production processes.
- Description, characteristics and properties of vegetation, infrastructure, weather, production cycles, markets within production processes.
- Observation of the effects of weather patterns, soil and water characteristics, market trends, breed and stock characteristics / performance, health and hygiene conditions, infrastructure conditions, vegetation quality and quantity influencing production processes.
- Purpose of vegetation, infrastructure, weather, production cycles, markets within production processes.
- Implications of ineffective practices on production processes.
- Knowledge of specific livestock and crop characteristics so as to compare and evaluate within production processes and environmental conditions.
- Regulations and legislation related to production processes.
- Describe various production procedures as an integral part of the production process.
- Communication and reporting skills.
- Understand the procedures and principles that are followed to determine the viability of an enterprise.

UNIT STANDARD DEVELOPMENTAL OUTCOME

N/A

UNIT STANDARD LINKAGES

N/A

Critical Cross-field Outcomes (CCFO):

UNIT STANDARD CCFO IDENTIFYING

Problem Solving: relates to all specific outcomes.

UNIT STANDARD CCFO WORKING

Teamwork: relates to all specific outcomes.

UNIT STANDARD CCFO ORGANISING

Self organisation and management: relates to all specific outcomes.

UNIT STANDARD CCFO COLLECTING

Information evaluation: relates to all specific outcomes.

UNIT STANDARD CCFO COMMUNICATING

Communication: relates to all specific outcomes.

UNIT STANDARD CCFO SCIENCE

Science and Technology: relates to all specific outcomes.

UNIT STANDARD CCFO DEMONSTRATING

World as a set of related systems: relates to all specific outcomes.

UNIT STANDARD CCFO CONTRIBUTING

Self-development: relates to all specific outcomes.

QUALIFICATIONS UTILISING THIS UNIT STANDARD:

	ID	QUALIFICATION TITLE	OLD LEVEL	NEW LEVEL	STATUS	END DATE	QUALITY ASSURING BODY
Core	48979	National Certificate: Animal Production	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	AgriSETA
Core	49009	National Certificate: Plant Production	Level 4	New Level Assignment Pend.	Reregistered	2012-06-30	AgriSETA

PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS UNIT STANDARD:

This information shows the current accreditations (i.e. those not past their accreditation end dates), and is the most complete record available to SAQA as of today. Some Quality Assuring Bodies have a lag in their recording systems for provider accreditation, in turn leading to a lag in notifying SAQA of all the providers that they have accredited to offer qualifications and unit standards, as well as any extensions to accreditation end dates. The relevant Quality Assuring Body should be notified if a record appears to be missing from here.

NONE

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