



# AGRICULTURE



## NATIONAL CERTIFICATE: PLANT PRODUCTION

### COURSE INFORMATION

**SAQA ID:** 48975

**NQF Level:** 2

**Learnership Duration:** 12 months

**Credits:** 131

**Contact Sessions:** Minimum Contact Session, including remediation (if required) and Portfolio Building, for this Qualification is **25 days**.

**Accrediting SETA:** Agriculture Sector Education & Training Authority

### COURSE INFORMATION

■ **Mentor Requirements:** Mentor must have at least 3 years' experience

■ **Workplace Approval:** Not applicable.

■ **Workplace Requirements:** Learners must be exposed to all outcomes related to this qualification.

### SKILLS OUTCOMES

■ **Fundamental Competencies**

■ **Agri-business**

■ **Good agricultural practices**

■ **Plant production**

- Identify the basic structures and functions of a plant.
- Soil is prepared according to the requirements of the crop.
- Propagate plants.
- Recognise common insects, disease symptoms and weeds and apply basic control measures.
- Apply agrochemical products in a safe, effective and responsible manner with consideration to the environment.
- Plant a range of crops and monitor the correct establishment of crops as well as ensuring that planting is placed and spaced as required.
- Manipulate plants by applying a narrow range of techniques.
- Harvest crops.

### PURPOSE

The purpose of this qualification is to allow junior personnel and elected candidates to progress towards a position of farm labourers (operators) with specific reference to Plant Production.

### ENTRY CRITERIA

■ Numeracy, Literacy and Communication at NQF Level 1 or equivalent.

■ Technical skills pertaining to agricultural activities equivalent to NQF 1

### QUALIFICATION RULES

This qualification is made up of fundamental, core and elective unit standards and a minimum of 120 credits is required to complete the qualification:

■ Core unit standards totalling 72 credits are compulsory.

■ Fundamental standards totalling 42 credits are compulsory.

■ Elective unit standards totalling 6 credits are compulsory.

### EQUIPMENT NEEDED


- General Farming Equipment


### MARKET INFORMATION


**Target Market:** Individuals in or looking towards to a career in agriculture.


**Target Industries:** Agriculture

### GENERAL INFORMATION

 **Credit Accumulation Transfer (CAT):** CAT exemption is only applicable to approved learners. Approved learners will have reduced contact days. Learners who do not meet the CAT requirements will be required to complete Part 1 and Part 2 of every Cluster.

 **FISA Requirements:** Final Integrated Summative Assessment is not a requirement for the successful completion of this learnership.

 **Recognition of Prior Learning (RPL):** RPL is not available for this qualification.

 **Training Methodology:** This learnership is not available on UHub



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## Unit Standards

### CLUSTER 1 (PART 1) - ORIENTATION TO PLANT PRODUCTION

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Core	116053	Understand basic soil fertility and plant nutrition	5
Core	116115	Define and understand production systems and production management	2
Core	116057	Understand the structure and functions of a plant	5

■ Recommended training days for Cluster 1 (part 1) is 2 days

Cluster 1 (Part 2) - Orientation to Plant Production – Credit Accumulation Transfer is applicable to the unit standards below

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Fundamental	8962	Maintain and adapt oral communication	5
Fundamental	8967	Use language and communication in occupational learning programmes	5
Fundamental	8964	Write for a defined context	5
Fundamental	116064	Recognise and identify the basic functions of the ecological environment	4

■ Recommended training days for Cluster 1 (part 2) is 4 days

### CLUSTER 2 (PART 1) - APPLY QUALITY STANDARDS AND PROCEDURES IN AGRICULTURAL PRACTICES

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Core	116125	Apply crop protection and animal health products effectively and responsibly	4
Core	116070	Operate and support a food safety and quality management system in the agricultural supply chain	2
Core	116081	Identify and recognise factors influencing agricultural enterprise selection	2
Core	116126	Apply marketing principles in agriculture	2
Core	116124	Control pests, diseases and weeds on all crops effectively and responsibly	2
Core	116111	Harvest agricultural crops: Procedures	4
Core	116077	Monitor water quality	3
Core	116060	Utilise and perform minor repair and maintenance tasks on implements, equipment and infrastructure	5

■ Recommended training days for Cluster 2 (part 1) is 4 days



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## Unit Standards

**CLUSTER 2 (PART 2) - APPLY QUALITY STANDARDS AND PROCEDURES IN PLANT PRODUCTION – CREDIT ACCUMULATION TRANSFER IS APPLICABLE TO THE UNIT STANDARDS BELOW**

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Fundamental	8963	Access and use information from texts	5

■ Recommended training days for Cluster 2 (part 2) is 1 day

**CLUSTER 3 (PART 1) - PLANT PROCESS**

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Core	116128	Apply plant manipulation methods	4
Core	116066	Operate and maintain specific irrigation systems	3
Core	116121	Apply sustainable farming practices to conserve the ecological environment	5
Core	116119	Demonstrate an understanding of plant propagation	3
Core	116079	Monitor the establishment of a crop	4
Elective	116076	Introduce organic certification and internal control systems	4
Elective	116109	Interpret and illustrate permaculture principles	5

■ Recommended training days for Cluster 3 (part 1) is 4 days

**CLUSTER 3 PLANT PROCESS (PART 2) – CREDIT ACCUMULATION TRANSFER IS APPLICABLE TO THE UNIT STANDARDS BELOW**

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Fundamental	116080	Monitor, collect and collate agricultural data	2
Fundamental	12444	Measure, estimate and calculate physical quantities and explore, describe and represent geometrical relationships in 2-dimensions in different life or workplace contexts	3
Fundamental	9009	Administer livestock proceduresApply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problemsessing treatments	3

■ Recommended training days for Cluster 3 (part 2) is 2 days

**CLUSTER 4 (PART 1) - COMPLIANCE AND CALCULATION IN PLANT PRODUCTION**

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Core	116122	Control inputs and stock in agribusiness	2
Core	116083	Illustrate and understand the basic layout of financial statements	2
Core	13356	Assess the influence of the environment on sustainable livestock production	4
Core	116127	Apply layout principles for conversation and infrastructure	5

■ Recommended training days for Cluster 4 (part 1) is 3 days



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**CLUSTER 4 (PART 2) - COMPLIANCE AND CALCULATION IN PLANT PRODUCTION – CREDIT ACCUMULATION TRANSFER IS APPLICABLE TO THE UNIT STANDARDS BELOW**

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Fundamental	7480	Demonstrate understanding of rational and irrational numbers and number systems	3
Fundamental	9007	Work with a range of patterns and functions and solve problems	5

■ Recommended training days for Cluster 4 (part 2) is 2 days

**CLUSTER 5 (PART 1) - MANAGE RESOURCES AND ACTIVITIES FOR PLANT PRODUCTION**

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Core	116113	Explain principles of human resources management and practices in agriculture	2
Elective	116069	Participate in agri/ecotourism practices at both micro and meso levels to tourists	4
Elective	116065	Store and control agrochemical products effectively and responsibly	4

■ Recommended training days for Cluster 5 (part 2) is 1 days

**CLUSTER 5 (PART 2) - MANAGE RESOURCES AND ACTIVITIES FOR PLANT PRODUCTION – CREDIT ACCUMULATION TRANSFER IS APPLICABLE TO THE HIGHLIGHTED UNIT STANDARDS BELOW**

OUTCOME	SAQA ID	NAME OF UNIT STANDARD	CREDITS
Fundamental	7469	Use mathematics to investigate and monitor the financial aspects of personal and community life	2

■ Recommended training days for Cluster 5 (part 2) is 1 day