



# NATIONAL CERTIFICATE: PLANT PRODUCTION NQF 2 (SAQA 48975) 122 Credits

QUALITY ASSURANCE FUNCTIONARY: AgriSETA

## Purpose and rationale

The purpose of this qualification is to allow Junior Personnel and elected candidates to progress towards a position of farm labourer (operator) with specific reference to Plant Production. This qualification will form the basis for learners to extend their learning into more specialised areas of plant production and provides the basis of the establishment of sustainable farming operations through the inclusion of a wide spectrum of competencies required by farmers in South Africa. Exist level outcomes include fundamental competencies, agri-business, good agricultural practices, plant production, and animal production (included to ensure that Learners at this level are exposed to a small component of animal production). The duration of the Learning Programme is 1220 Notional hours of learning.

## Learning assumed to be in place

Numeracy, literacy and communication equivalent, and technical skills pertaining to agricultural activities equivalent to NQF 1.

## Modules covered

### 1 – Communication

- 8962: Maintain and adapt oral communication
- 8963: Access and use information from texts
- 8967: Use language and communication in occupational learning programmes
- 8964: Write for a defined context

### 2 – Numeracy

- 7480: Demonstrate understanding of rational and irrational numbers and number systems
- 12444: Measure, estimate and calculate physical quantities and explore, describe and represent geometrical relationships in 2-dimensions in different life or workplace contexts
- 9007: Work with a range of patterns and functions and solve problems
- 9009: Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems
- 116080: Monitor, collect and collate agricultural data

### 3 – Introduction to Farming

- 116121: Apply sustainable farming practices to conserve the ecological environment
- 116127: Apply layout principles for conservation and infrastructure
- 116064: Recognise and identify the basic functions of the ecological environment
- 116081: Identify and recognize factors influencing agricultural enterprise selection
- 13356: Assess the influence of the environment on sustainable livestock production
- 116053: Understand basic soil fertility and plant nutrition
- 116077: Monitor water quality

### 4 – General Management

- 116115: Define and understand production systems and production management
- 116126: Apply marketing principles in Agriculture
- 116122: Control inputs and stock in Agribusiness
- 7469: Use mathematics to investigate and monitor the financial aspects of personal and community life
- 116083: Illustrate and understand the basic layout of financial statements
- 116113: Explain principles of human resources management and practices in agriculture

### 5 – Growing Crops

- 116109: Interpret and illustrate permaculture principles
- 116057: Understand the structure and functions of a plant
- 116060: Utilise and perform minor repair and maintenance tasks on implements, equipment and infrastructure
- 116119: Demonstrate an understanding of plant propagation
- 116128: Apply plant manipulation methods

- 116079: Monitor the establishment of a crop
- 116072: Perform routine operations and identify basic problems in hydroponic systems

## **6 – Farm Management**

- 116125: Apply crop protection and animal health products effectively and responsibly
- 116124: Control pests, diseases and weeds on all crops effectively and responsibly
- 116111: Harvest agricultural crops: Procedures
- 116066: Operate and maintain specific irrigation systems
- 116070: Operate and support a food safety and quality management system in the agricultural supply chain
- 116060: Utilise and perform minor repair and maintenance tasks on implements, equipment and infrastructure