

National Certificate: Plant Production NQF 2



^ 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.

^ COURSE CONTENT

Module 1: Communication

- Access and use information from text
- Maintain and adapt oral communication
- Write for a defined text
- Use language and communication in occupational learning programmes

Module 2: Mathematical Literacy

- Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems
- Work with a range of patterns and functions and solve problems
- Demonstrate an understanding of rational and irrational numbers and the numbers systems
- Use mathematics to investigate and monitor the financial aspects of personal and community life
- Measure, estimate and calculate physical quantities and explore, describe and represent geometrical relationships in two dimensions in different life or workplace contexts

Module 3: General Agricultural Practices

- Recognise and identify the basic functions of the ecological environment
- Monitor, collect and collate agricultural data
- Assess the influence of the environment on sustainable livestock production
- Utilise and perform minor repair and maintenance tasks on implements, equipment and infrastructure
- Store and control agrochemical products effectively and responsibly

Module 4: Agricultural Business

- Apply marketing principles in agriculture
- Apply layout principles for conservation and infrastructure
- Control inputs and stock in agribusiness
- Define and understand production systems and production management
- Explain principles of human resource management and practices in the agricultural environment
- Illustrate and understand the basic layout of financial statements
- Operate and support food safety and quality management systems in the agricultural supply chain

^ COURSE CONTENT

Module 5: Plant Production ▼

- Apply crop protection and animal health products effectively and responsibly
- Apply plant manipulation methods
- Demonstrate an understanding of plant propagation
- Harvest agricultural crops
- Monitor the establishment of a crop
- Monitor water quality
- Operate and maintain specific irrigation systems
- Understand basic soil fertility and plant nutrition
- Understand the structure and functions of a plant
- Control pests, diseases and weeds on all crops effectively and responsibly

Module 6: Natural Resource Management ▼

- Apply sustainable farming practices to conserve the ecological environment
- Identify and recognise factors influencing agricultural enterprise selection
- Participate in agri/ecotourism practices at both micro and meso levels for tourists

^ DELIVERY

- Duration: 12 Months
- Delivery: Classroom/Online/Blended

^ ENTRY LEVEL REQUIREMENTS

- Grade 10
- Computer Literacy

^ CAREER POSSIBILITIES

- Farm Worker specialising in plant production (pest controller/ irrigationist)
- Farm Supervisor
- Farm Team Leader

^ ACCREDITATION

- National Certificate: Plant Production
- Accreditation: AGRI SETA
- SAQA ID: 48975
- NQF Level: 2
- Credits: 120

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