

Plant Production:

National Certificate: NQF Level 3

[SAQA ID: 49052](#)

This qualification forms the basis for learners to extend their learning into more specialised areas of plant production & 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.

Whilst technical production orientated competencies are ensured, other aspects such as agri-business & good agricultural practices are included in the range of competencies required by farmers in order to enable them to strive towards agricultural management standards & practices at higher levels.

CONTENT

1. Quality Control in Plant Production Applications

- Apply crop protection and animal health products effectively and responsibly.
- Interpret factors influencing agricultural enterprises and plan accordingly.
- Explain the planning and scheduling of tasks in a production environment.
- Identify and apply permaculture principles.
- Incorporate basic concepts of sustainable farming systems into practical farm activities.

2. Monitoring and Managing Plant Production

- Monitor natural resource management practices.
- Monitor pests, diseases and weeds on crops.
- Monitor the operation and maintenance of irrigation systems.
- Manage soil fertility and plant nutrition.
- Monitor and co-ordinate the harvesting of agricultural products.
- Demonstrate a basic understanding of the physiological functioning of the anatomical structures of the plant

3. Managing the Agricultural Business

- Explain costing and the viability of an agri-business.
- Explain store inputs categories, labelling and storage methods.
- Assist in farm planning and layout for conservation and rainwater harvesting.
- Apply routine maintenance and servicing plans and procedures.

4. Agricultural Farming Management

- Communicate agri/ecotourism principles and concepts effectively and adapt to needs.
- Monitor and supervise a food safety and quality management system in the agricultural supply chain.

In addition to the modules listed above, there is also Workplace Communication (20 credits) and Workplace Calculations. (16 credits)