



# HortiSoil

2024

## **ACCREDITED PLANT PRODUCTION QUALIFICATIONS**

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# NATIONAL DIPLOMA PLANT PRODUCTION

**Attention all aspiring agricultural enthusiasts!**

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[coenie@hortisoil.co.za](mailto:coenie@hortisoil.co.za)





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# NATIONAL DIPLOMA PLANT PRODUCTION

## MODULES

- Agri-Business Management ✓
- Life Skills ✓
- Plant Production ✓
- Farm Management ✓
- Specialized Production ✓
- SAQA ID 49010 ✓
- Duration: 2 Years ✓
- Internationally Accepted ✓

**NQF 5**

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1. Environmental  
Control







ACCREDITED TRAINING PROVIDER  
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# NATIONAL DIPLOMA: PLANT PRODUCTION

## WHY STUDY THIS QUALIFICATION?

The purpose of this qualification is to allow students with grade 12 to progress towards a Junior Farm Manager to progress towards a Farm Manager position with specific reference to Plant Production.

A learner assessed against this qualification will have the necessary competence to monitor, implement, co-ordinate, plan, control and provide leadership regarding the agricultural processes as applicable to Plant production in a variety of Plant Production processes taking responsibility for the nature, quality and quantity of outputs.

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## PROGRAMME OUTLINE

Semester 1 of Year 1

Business Management 511

Life Skills 512

Plant Production 513

Management 514

Semester 2 of Year 1

Business Management 515

Life Skills 516

Plant Production 517

Management 518

Semester 1 of Year 2

Life Skills 521

Plant Production 522

Management 523

Specialized Production 524

Semester 2 of Year

Plant Production 525

Management 526

Specialized Production 527

## PROGRAMME FACTS:

Programme level: National

Diploma NQF 5

Duration: 2 year

Mode of Learning: Distance learning with quarterly practical training sessions. Must be able to arrange with a farm owner to obtain practical experience.

Fees: R 42 000 Per Year

Intake: February and July

Application Requirement: Numeracy, literacy and communication equivalent to Plant Production NQF 4 / Grade 12

## EMPLOYMENT AND CAREER OPPURTUNITIES

The Learner will be able to take complete responsibility for her/his own actions and take responsibility for the achievements of groups within a Plant Production context.

Competency will be gained in any of the specialized sub-fields of Plant Production as specified under Areas of Specialization (i.e. Vegetables, Fruit Production, Hydroponics, etc.) with a strong focus on management.

The learner will be able to take responsible decisions within a wide range of familiar and un-familiar contexts based on a sound understanding of the basic principles of agri-business and good agricultural practices, in meeting the set objectives and targets within the broader farm plan which includes the economical application of general resources, agricultural production and technical knowledge and skills, all in an Plant Production context.

This qualification will allow qualifying learners to become economically active in farming practices that will have a direct impact on Local Economic Development through the production of food, the improvement of household food security and access to mainstream agriculture.



## CONTACT INFORMATION / ENQUIRIES TO:

Coenie Potgieter | Programme coordinator

+27 81 379 2078

[coenie@hortisoil.co.za](mailto:coenie@hortisoil.co.za)





# About Our Qualifications

We are pleased to introduce our comprehensive training programs in Plant Production, which includes National Certificates (NQF 1 to 3) and a National Diploma in Plant Production (NQF 5). Designed to equip farm personnel with advanced skills and knowledge in these critical areas.

Our training courses are tailored to meet the specific needs of your farm organization to ensure optimum results.

The training can be presented in the form of a learnership via the AgriSeta learnership application system or a stand-alone training programme.



# Why Choose HortiSoil?



## Unmatched Practical Experience

Our trainers bring to the table years of hands-on experience in the field of plant production in general

## Track Record of Excellence

With an impressive track record of delivering high-quality training, our facilitators have consistently received outstanding feedback from participants.

## Customized Approach

We understand that every organization is unique, and we tailor our training programs to address your specific requirements.

Our expert trainers will work closely with you to identify areas of improvement and develop a training curriculum that aligns with your organizational goals.

Our unique training approach focus to bring Global G.A.P requirements in every step of the work.





# National Certificate: Plant Production NQF 1

The purpose of this qualification is to allow new entrants access to the Primary Agricultural Sector with specific reference to Plant Production. The contextualised purpose and usage of the qualification is as follows:

A learner assessed against this qualification will have the necessary competence to participate as part of a working team, performing the agricultural processes as applicable to Plant production in a closely defined context and under close supervision.

Competency will be gained in any of the specialized sub-fields of Plant Production as specified under Areas Of Specialization (i.e. Vegetables, Fruit Production, Hydroponics, etc.)

The learner will be able to take responsible decisions within a limited range based on a sound understanding of the basic principles of agri-business and good agricultural practices, in meeting the set objectives and targets within the broader farm plan which includes the economical application of general resources, agricultural production and technical knowledge and skills, all in an Plant Production context.

The Learner will be able to carry out repetitive procedures in a predictable environment and will be able to adhere to the relevant safety, quality, hygiene and technical standards as applicable within the industry.







# **National Certificate: Plant Production NQF 2**

The purpose of this qualification is to allow Junior Personnel and elected candidates to progress towards a position of farm labourer (operators) with specific reference to Plant Production. The contextualised purpose and usage of the qualification is as follows:

A learner assessed against this qualification will have the necessary competence to participate as part of a working team, performing the agricultural processes as applicable to Plant production in an established and familiar context under general supervision.

The Learner will be able to perform directed activities and take responsibility for the guiding others at lower level within a Plant Production context.

Competency will be gained in any of the specialized sub-fields of Plant Production as specified under Areas Of Specialization (i.e. Vegetables, Fruit Production, Hydroponics, etc.)

The learner will be able to take responsible decisions within a familiar range based on a sound understanding of the basic principles of agri-business and good agricultural practices, in meeting the set objectives and targets within the broader farm plan which includes the economical application of general resources, agricultural production and technical knowledge and skills, all in an Plant Production context.





# National Certificate: Plant Production NQF 3

A learner assessed as competent against this qualification will have the necessary competence to supervise and lead a working team performing the agricultural processes as applicable to plant husbandry. Furthermore, the learner will be able to take responsible decisions based on a sound understanding of the basic principles of agri-business and good agricultural practices, in meeting the set objectives and targets within the broader farm plan which includes the economical application of general resources, agricultural production and technical knowledge and skills.

The learner will also be able to adhere to and implement according to the level of supervision as well as the relevant quality, safety and hygiene standards as applicable within the industry.

In addition they will be well positioned to extend their learning and practice into other areas of agricultural commodities within a context of either agronomy, or horticulture as applicable to the agricultural commodity, or to strive towards agricultural management standards and practice at higher levels.

Competent qualifying learners in this qualification will oversee the production of quality agricultural products whereby enhancing the overall agricultural process and gain opportunities to access local, national and international agricultural markets.







# National Diploma: Plant Production NQF 5

The purpose of this qualification is to allow Junior Farm Managers to progress towards a Farm Manager position with specific reference to Plant Production. The contextualised purpose and usage of the qualification is as follows:

A learner assessed against this qualification will have the necessary competence to monitor, implement, co-ordinate, plan, control and provide leadership regarding the agricultural processes as applicable to Plant production in a variety of Plant Production processes taking responsibility for the nature, quality and quantity of outputs.

The Learner will be able to take complete responsibility for her/his own actions and also take responsibility for the achievements of groups within a Plant Production context.

Competency will be gained in any of the specialized sub-fields of Plant Production as specified under Areas Of Specialization (i.e. Vegetables, Fruit Production, Hydroponics, etc.) with a strong focus on management.

The learner will be able to take responsible decisions within a wide range of familiar and un-familiar contexts based on a sound understanding of the basic principles of agri-business and good agricultural practices, in meeting the set objectives and targets within the broader farm plan which includes the economical application of general resources, agricultural production and technical knowledge and skills, all in an Plant Production context.



## Short Skills Programmes

Various short skill programs can be tailor made to meet your specific farm training needs for example:

- Pre-Harvest Preparation
- Harvest Best Practices
- Post Harvest Best Practices
- Irrigation
- Water Quality
- Global G.A.P introduction to better farming

We are confident that our training programmes will greatly benefit your organization and provide participants with valuable skills to thrive in their roles.

To schedule a consultation or to learn more about our training programs, please contact Coenie Potgieter, our Training Manager, [coenie@hortisoil.co.za](mailto:coenie@hortisoil.co.za).

We look forward to discussing your training requirements and working with you to achieve excellence in employee development.







# CONTACT US

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[www.hortisoil.co.za](http://www.hortisoil.co.za)



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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY**  
**REGISTERED QUALIFICATION THAT HAS PASSED THE END DATE:**

**National Diploma: Plant Production**

SAQA QUAL ID		QUALIFICATION TITLE		
49010		National Diploma: Plant Production		
ORIGINATOR				
SGB Primary Agriculture				
PRIMARY OR DELEGATED QUALITY ASSURANCE FUNCTIONARY			NQF SUB-FRAMEWORK	
AgriSETA - Agriculture SETA			OQSF - Occupational Qualifications Sub-framework	
QUALIFICATION TYPE	FIELD		SUBFIELD	
National Diploma	Field 01 - Agriculture and Nature Conservation		Primary Agriculture	
ABET BAND	MINIMUM CREDITS	PRE-2009 NQF LEVEL	NQF LEVEL	QUAL CLASS
Undefined	240	Level 5	NQF Level 05	Regular-Unit Stds Based
REGISTRATION STATUS		SAQA DECISION NUMBER	REGISTRATION START DATE	REGISTRATION END DATE
Passed the End Date - Status was "Reregistered"		SAQA 9900/00	2018-07-01	2023-06-30
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2024-06-30		2028-06-30		

In all of the tables in this document, both the pre-2009 NQF Level and the NQF Level is shown. In the text (purpose statements, qualification rules, etc), any references to NQF Levels are to the pre-2009 levels unless specifically stated otherwise.

This qualification does not replace any other qualification and is not replaced by any other qualification.

**PURPOSE AND RATIONALE OF THE QUALIFICATION**

The purpose of this qualification is to allow Junior Farm Managers to progress towards a Farm Manager position with specific reference to Plant Production. The contextualised purpose and usage of the qualification is as follows:

- A learner assessed against this qualification will have the necessary competence to monitor, implement, co-ordinate, plan, control and provide leadership regarding the agricultural processes as applicable to Plant production in a variety of Plant Production processes taking responsibility for the nature, quality and quantity of outputs.
- The Learner will be able to take complete responsibility for her/his own actions and also take responsibility for the achievements of groups within a Plant Production context.
- Competency will be gained in any of the specialized sub-fields of Plant Production as specified under Areas Of Specialization (i.e. Vegetables, Fruit Production, Hydroponics, etc.) with a strong focus on management.
- The learner will be able to take responsible decisions within a wide range of familiar and un-familiar contexts based on a sound understanding of the basic principles of agri-business and good agricultural practices, in meeting the set objectives and targets within the broader farm plan which includes the economical application of general resources, agricultural production and technical knowledge and skills, all in an Plant Production context.
- The Learner will be able to select from a wide range of standard and non-standard procedures in Plant Production and will be able to ensure the relevant safety, quality, hygiene and technical standards as applicable within the industry.
- In addition to the above, the learner will be well positioned to extend learning and practice into other sub-fields such as Plant Production and Mixed Farming, since such efforts will only require additional learning within the elective scope of other qualifications at this level.
- The learner will be well positioned to progress towards higher levels of Management and Technical production practices as defined by qualifications at the next level.
- Learners will be enabled to actively participate in the Primary Agricultural Sector through the production of quality agricultural products, enhancing the overall agricultural process and gain opportunities to access local, national and international agricultural markets.
- This qualification will allow qualifying learners to become economically active in farming practices that will have a direct impact on Local Economic Development through the production of food, the improvement of household food security and access to mainstream agriculture.
- Finally, Learners will be able to guide and direct project teams in terms of the planning, implementation and control of development projects within a Plant Production context.

**Rationale:**

The range of typical learners that will enter this qualification will vary and includes:

- Junior farm managers who wish to progress to the level of farm manager;
- Learners in possession of different levels of practical experience in farming operations, which will be assessed and RPL'ed;
- School leavers (Grade 12); and
- Learners may come from both genders.

The learner will engage in farm management and operational activities relevant to Plant Production.

Requests and expressions of need for this qualification, coming from the broad, but also specific farming communities (Plant Production) forms the basis for the development of this qualification.

This qualification will form the basis for learners to extend their learning into more specialised areas of plant production and management 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. Whilst technical production orientated competencies are ensured, other aspects such as agri-business and good agricultural practices are included in the range of competencies required by farmers in order to enable them to strive towards agricultural management standards and practices at higher levels.

Competent qualifying learners in this qualification will oversee quality agricultural products in Plant Production whereby enhancing the overall agricultural process and gain opportunities to access local, national and international agricultural markets.

**LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING**

It is assumed that a learner entering a programme leading to this qualification has achieved numeracy, literacy and communication equivalent to NQF 4 and technical skills pertaining to agricultural activities equivalent to NQF 4.

**Recognition of prior learning:**

This qualification may be achieved in part or in whole through the recognition of prior learning. Credit will be given to learning, which has already been acquired, through the appropriate process of assessment.

For example:

- Learners who have acquired skills and competencies in this qualification through for instance experience in the industry will be assessed against the unit standards the qualification comprises of prior to entering learning. Credits will be allocated to those unit standards and exit level outcomes in which the learner is found competent. The outstanding unit standards will then be sequenced according to an appropriate learning programme.
- Should a new entrant into the industry wish to enter this learning programme, recognition will be given to all appropriate learning acquired through the schooling system.
- In terms of fundamental unit standards, competencies could be acquired through life experience.

Any learner wishing to be directly assessed may arrange to do so, without attending further training or education. The assessor and learner will decide together on the most appropriate assessment route to take.

**RECOGNISE PREVIOUS LEARNING?**

Y

**QUALIFICATION RULES**

Fundamental

- A minimum of 48 credits should be achieved in fundamental.

Core

- 155 credits should be achieved in core.

Elective

- A minimum of 37 credits should be achieved in Elective, depending on the context of application of the unit standards.



## EXIT LEVEL OUTCOMES

Exit Level Outcomes are divided into four categories of competencies, namely:

- Fundamental Competencies
- Agri-business
- Good Agricultural Practices
- Plant Production

Fundamental Competencies:

1. Apply communication skills in an agricultural environment.
2. Apply mathematical calculations within the agricultural environment.
3. Develop a data collection plan in the agricultural sector.
4. Integrate sustainable systems thinking into planning and management processes.

Agri-business:

5. Control an agricultural input chain.
6. Develop a strategic plan for agri-processing activities.
7. Describe the integration of the marketing component as a part of the total agri-business
8. Analyse and interpret financial information in an agri-business
9. Demonstrate the ability to optimise and integrate farming systems.

Agricultural Practices:

10. Ensure sound utilisation of agricultural resources.
11. Describe the process of optimisation of water quality in an agricultural production system.
12. Develop, implement and optimise a management system for food safety and quality practices in an agricultural supply chain.
13. Incorporate an understanding of the importance of natural resource management in relation to agricultural practices into the design of a natural resource management plan of the farm in relation to area wide planning and when participating in area wide planning and local government structures and policies.
14. Assist in determining the most appropriate and sustainable land-use for different parts of the land, supervise the implementation and maintenance of the selected infrastructure and maintain the most appropriate land-use on a farm by continuously assessing the natural resource base.

Plant Production:

15. Describe the basic biochemistry involved in the physiological processes of a plant.
16. Develop a soil fertility and plant nutrition plan.
17. Plants are propagated in any production system.
18. Implement and co-ordinate different harvesting plans
19. Identify, monitor and control pests, monitor beneficial arthropods, plant disease symptoms and weeds in a responsible manner by applying Integrated Pest Management Principles to conserve the environment.
20. Develop a plant manipulation management plan and manage its implementation to maximise growth and yield.

## ASSOCIATED ASSESSMENT CRITERIA

Fundamental Competencies:

1.
  - Simple presentations are made.
  - Situations, reasons, implications, concepts, underlying principles, and check for understanding and adjust message are explained.
  - Conditions, situations and events, using data are reported on.
  - Work instructions are given.
  - Events, situations and conditions are summarised over time.
2.
  - Data is represented in graph and table form.
  - Trends are plotted.
  - Percentages from collected data (statistical calculations) are determined.
  - Measurements are accurately.
  - Calculations per area performed.
  - Financial implications of personal and business related issues are investigated and monitored.
  - Ratios are determined according to prescribed parameters e.g. mixtures, crops.
3.
  - Appropriate experimental designs are selected for a specific purpose.
  - The implementation of data collection plans is described.
  - Data collection reports are interpreted and recommendations are made.
  - Guidance is provided to data gathering team.
4.
  - A whole farming system is developed.
  - Methods of systems thinking are applied in the design of soil, plant and animal management.
  - The sustainability of whole farming systems is monitored and re-evaluated.

Agri-business:

5.
  - Planning of a flow chain is described.
  - A plan on the flow of agricultural inputs is prepared and implemented.
  - Aspects of HR management related to the flow chain are described.
6.
  - Market trends are analysed.
  - Trends in technology are analysed.
  - A production plan is developed.
7.
  - Variables and critical success factors are determined for agri-business.
  - Market opportunities are identified and analysed.
  - Marketing strategies are developed.
  - The marketing function as part of the business plan is explained.
8.
  - The use of physical and financial information to compile financial statements is demonstrated.
  - The analysis of financial statements and physical records is demonstrated.
  - A comparison of financial and economic data to obtain managerial information is demonstrated.
9.
  - The integration and optimisation of natural resources are explained.
  - The optimisation of infrastructure is explained.
  - The optimisation and maintenance of livestock is explained.
  - A harvesting system is developed.
  - Post harvest systems are developed.

Agricultural Practices:

10.
  - The modification of agricultural equipment is explained.
  - The determination of specifications of equipment is explained.
  - A maintenance and storage plan is developed.
  - Safety policies are explained.
  - The development of task related technology in the agricultural environment is explained.
  - A replacement policy is developed.
11.
  - The characteristics of an optimised water system are described.
  - Solutions are provided to water quality problems.
  - The calibration and utilisation of water quality monitoring equipment is demonstrated.
  - The management of infrastructure related to water quality is explained.
- 12.

- Implement and manage a food safety and quality management system in respect of food safety, production, environmental and social practices in the agricultural environment which meets market requirements in the agricultural supply chain.
- Evaluate, take corrective action and make improvements to ensure the effectiveness/efficiency of the food safety and quality management system with regard to good agricultural practices (GAP) good manufacturing practices (GMP), good health practices (GHP), good social practices (GSP) and good environmental practices (GEP), whichever is applicable to the workplace.
- A traceability system for operational efficiency in the agricultural supply chain is designed.

13.
  - Integrated natural resource management practices and plans to combat environmental degradation and deterioration are designed.
  - Innovative natural resource management practices to ensure the sustainability of an agricultural endeavour are introduced.
  - A natural resource management strategic plan for a farm is developed.
  - Company/farm policy on natural resource management is determined.
  - Assist in the development of area wide planning and local government structures and policies.
14.
  - Information relevant to the natural resources of a site is researched.
  - Appropriate technology to determine sustainable farm layout and infrastructure placement is identified and used.
  - Principles of sustainability in terms of the layout and infrastructure placement in an agricultural context are applied.
  - High and low potential yield areas according to a range of land use options are identified.

Plant Production:

15.
  - The role of carbon compounds and ground rules of plant metabolism is explained.
  - The movement of solutes and water in a plant is explained.
  - The pathways of photosynthesis are explained.
  - Respiration pathways are described.
  - The role of hormones during plant growth is described.
  - The responses of plants to the environment are explained.
16.
  - Soil and leaf analysis is interpreted and explained.
  - A soil utilisation plan is developed.
  - The development of a soil database is explained.
  - A soil systems management strategy is described.
17.
  - The appropriate propagation environments for a variety of plants are described.
  - The application of basic tissue culture is explained.
  - Different propagation processes is explained.
  - Problems related to propagation are described.
18.
  - The implementation of alternative and new harvesting tools and equipment is described.
  - The maturity indexing process is described.
  - The co-ordination of the harvesting of different crops is described.
  - Health, hygiene and safety procedures is explained.
  - The co-ordination of waste disposal is explained.
19.
  - Common insects, disease symptoms and weeds or know where to have those that are not common are recognized and identified.
  - An understanding of the basic principles of integrated pest management with basic control measures as per agricultural enterprise, is demonstrated.
  - Recognize and identify pests and beneficials on specific crops (all crops), count and monitor pest population levels over time, as well as the occurrence of beneficials over time, and determine when the threshold is reached.
  - Formulate a decision, suitable control method with reference to product information, make recommendations for application, selection of alternative compounds within a resistance management strategy with notice of occurring weather patterns, water quality, soil composition, adjuvants and/or other chemical or product requirements.
20.
  - Plant manipulation needs are incorporated into a plant manipulation management plan.
  - Framework development principles are incorporated into a plant manipulation management plan.
  - Flower and fruit manipulation practices are evaluated and optimized.
  - The implementation of the pruning principles as vegetative plant manipulation methods appropriate to the crop are planned.

NOTE: Assessment should be specific to the area of operation (i.e. Either horticulture or agronomy including but not limited to arable and/or dry land production).

Integrated Assessment:

Integrated assessment at the level of the qualification provides an opportunity for learners to show that they are able to integrate concepts, ideas and actions across unit standards to achieve competence that is relevant and coherent in relation to the purpose of the qualification.

Integrated assessment must judge the quality of the observable performance, but also the quality of the thinking that lies behind it. Assessment tools must encourage learners to give an account of the thinking and decision-making that underpin their demonstrated performance. Some assessment practices will be of a more practical nature while others will be of a more theoretical nature. The ratio between action and interpretation is not fixed, but varies according to the type and level of qualification.

A broad range of task-orientated and theoretical assessment tools may be used, with the distinction between practical knowledge and disciplinary knowledge maintained so that each takes its rightful place.

Generic nature of the unit standards and the context of assessment:

Because of the diverse nature of the primary agricultural sector, a generic approach to developing the unit standards has been adopted. This resulted in generic unit standards which should be contextualised within a specific area of operation, a specific agricultural commodity or specific agricultural system. Assessment therefore, should not be divorced from the context of application. All assessment tools, such as guides as well as the interpretation of unit standards and specifically range statements, should be contextualised within a specific agricultural commodity and/or system.

## INTERNATIONAL COMPARABILITY

In the case of the primary agriculture context it is difficult to compare the qualification and unit standards against similar international qualifications due to the vast differences in levels of mechanization and literacy of farm operators. It should also be noted that climatic and market conditions differ considerably between South Africa and other countries and the variety in commodities is therefore significant.

This qualification and associated unit standards have been evaluated against comparable qualifications and unit standards of the following Qualifications Authorities:

- Australian AQF
- New Zealand NQF, and
- British NVQ's.

During this comparison the following was found:

Australian AQF: This qualification is comparable to an AQF Diploma in Agriculture (General cross-sector qualification) in a plant production context. Packaging of the AQF qualification reflects the need for sector specific content of a qualification to remain flexible, a quality that has also been captured in this qualification. The AQF qualification requires the inclusion of Units of Competency, similar to the unit standards reflected in the South African qualification. It should however be noted that the qualification of the AQF contains considerably more Elective type Units of Competency since these units have been developed for specific sub-fields. In the case of this qualification a more generic approach have been followed, allowing contextualisation of fewer unit standards across a wide range of sub-fields. It could be concluded that there are numerous similarities between the Units of Competency and the Unit Standards reflected in the SA qualification covering similar sub-fields.

New Zealand NQF: This qualification is partly comparable to a NZNQF National Diploma in Agribusiness Management (Level 5) in a plant production context as well as with a National Diploma in Horticulture (Level 6). It should be noted that the NZQF qualification has been developed for a specific sub-field of specialization whilst a more generic approach is taken in this qualification allowing for contextualisation of the qualification across a wider range of sub-fields. In the NZQF qualification focus is given to local conditions, practices and approaches to agriculture whilst this qualification focuses on agriculture within a South African context.

British NVQ: This qualification is comparable with the BTEC National Award/Diploma in Agriculture courses.

Furthermore, input to the development of this qualification has been compared against international standards and qualifications and is evidenced in the following:

- Qualifications and competency units as defined by the New South Wales Department of Education and Training.
- The wide and narrow consultative process as well as the contributions made by role players from Universities and Technicians whom have a specific requirement for internationally comparable qualifications.

## ARTICULATION OPTIONS

A learner will be able to progress horizontally from one category to another, namely small stock, large stock or pig production, etc. (Please refer to the list mentioned under "Areas of Specialisation") He/she will be able to do this without re-doing the whole qualification, but by only completing the necessary elective unit standards.

Furthermore, the learner will be able to progress horizontally to the following qualifications:

- National Certificate in Animal Production, NQF 5.

This qualification allows access to the agricultural sector (refer to the SGB's brief and matrix) and gives access to the relevant agricultural qualification at NQF 6.



In terms of competencies, the learner will progress from farming operation skills to basic managerial skills to managerial skills. The scope of practice will also increase.

The learner will be able to articulate with other occupations within the agricultural pharmaceutical operations such as laboratory assistant, assistance in the marketing and selling of agricultural pharmaceutical products and fertilisers. The learner will also be able to move to the secondary agricultural field.

#### MODERATION OPTIONS

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

Therefore anyone wishing to be assessed against this qualification may apply to be assessed by any assessment agency, assessor or provider institution which is accredited by the relevant ETQA.

#### CRITERIA FOR THE REGISTRATION OF ASSESSORS

Assessors need:

- A minimum of 2 (two) years' practical experience in agricultural plant production practices relevant to an area of specialisation mentioned below;
- Practical experience in the specific agricultural commodity (which might include the list of "Areas of Specialisation" mentioned below or a specific commodity such as deciduous fruit, agronomic crop, sugar cane, vegetables, etc.) and/or system such as permaculture, organic production, hydroponic, etc.
- Technical competence in agricultural plant production practices at, at least one NQF level above the assessee.

#### REREGISTRATION HISTORY

As per the SAQA Board decision/s at that time, this qualification was Reregistered in 2012; 2015.

#### NOTES

As per the SAQA decision to re-register all provider-based qualifications on the National Qualifications Framework that meet the criteria for re-registration, this qualification has been re-registered from 1 July 2018. Areas of specialisation of the qualification in Plant Production include but are not limited to:

- Organic production,
- Hydroponic production,
- Perma-culture production,
- Agronomy,
- Horticulture,
- Natural resources harvesting.

#### UNIT STANDARDS:

	ID	UNIT STANDARD TITLE	PRE-2009 NQF LEVEL	NQF LEVEL	CREDITS
Core	<a href="#">116428</a>	Analyse and interpret the financial statements and physical records in an agri-business to generate managerial information	Level 5	Level TBA: Pre-2009 was L5	11
Core	<a href="#">116429</a>	Apply integrated pest management principles	Level 5	Level TBA: Pre-2009 was L5	10
Core	<a href="#">116431</a>	Describe biological processes in plant physiology	Level 5	Level TBA: Pre-2009 was L5	9
Core	<a href="#">116425</a>	Design a natural resource management plan	Level 5	Level TBA: Pre-2009 was L5	8
Core	<a href="#">116426</a>	Develop a production and strategic plan for the agricultural business	Level 5	Level TBA: Pre-2009 was L5	11
Core	<a href="#">116427</a>	Develop a propagation plan for any agricultural production system	Level 5	Level TBA: Pre-2009 was L5	9
Core	<a href="#">116419</a>	Develop and implement a food safety and quality management system in an agricultural supply chain	Level 5	Level TBA: Pre-2009 was L5	7
Core	<a href="#">116409</a>	Develop and implement plant manipulation methods	Level 5	Level TBA: Pre-2009 was L5	8
Core	<a href="#">116414</a>	Develop suitable irrigation systems	Level 5	Level TBA: Pre-2009 was L5	10
Core	<a href="#">116394</a>	Implement and manage human resource and labour relations policies and acts	Level 5	Level TBA: Pre-2009 was L5	9
Core	<a href="#">10050</a>	Integrate marketing plans with business process	Level 5	Level TBA: Pre-2009 was L5	6
Core	<a href="#">116382</a>	Manage an input chain	Level 5	Level TBA: Pre-2009 was L5	6
Core	<a href="#">116384</a>	Manage and control resources in a sustainable manner	Level 5	Level TBA: Pre-2009 was L5	5
Core	<a href="#">116371</a>	Manage soil systems	Level 5	Level TBA: Pre-2009 was L5	10
Core	<a href="#">116373</a>	Manage the harvesting process of agricultural crops	Level 5	Level TBA: Pre-2009 was L5	10
Core	<a href="#">116337</a>	Optimise and integrate various farming systems and trends within related enterprises	Level 5	Level TBA: Pre-2009 was L5	11
Core	<a href="#">116369</a>	Optimise water quality	Level 5	Level TBA: Pre-2009 was L5	6
Core	<a href="#">116324</a>	Plan a farm and select a site	Level 5	Level TBA: Pre-2009 was L5	9
Fundamental	<a href="#">8974</a>	Engage in sustained oral communication and evaluate spoken texts	Level 4	NQF Level 04	5
Fundamental	<a href="#">12417</a>	Measure, estimate & calculate physical quantities & explore, critique & prove geometrical relationships in 2 and 3 dimensional space in the life and workplace of adult with increasing responsibilities	Level 4	NQF Level 04	4
Fundamental	<a href="#">8975</a>	Read analyse and respond to a variety of texts	Level 4	NQF Level 04	5
Fundamental	<a href="#">7466</a>	Represent and operate on complex numbers in non-trivial situations	Level 4	NQF Level 04	2
Fundamental	<a href="#">7483</a>	Solve problems involving sequences and series in real and simulated situations	Level 4	NQF Level 04	2
Fundamental	<a href="#">8979</a>	Use language and communication in occupational learning programmes	Level 4	NQF Level 04	5
Fundamental	<a href="#">7468</a>	Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues	Level 4	NQF Level 04	6
Fundamental	<a href="#">7470</a>	Work with a wide range of patterns and inverses of functions and solve related problems	Level 4	NQF Level 04	6
Fundamental	<a href="#">8976</a>	Write for a wide range of contexts	Level 4	NQF Level 04	5
Fundamental	<a href="#">116412</a>	Develop and manage a data collection plan to support an agricultural enterprise	Level 5	Level TBA: Pre-2009 was L5	4
Fundamental	<a href="#">116387</a>	Integrate sustainable systems into planning and management processes	Level 5	Level TBA: Pre-2009 was L5	8
Elective	<a href="#">116398</a>	Use a Graphical User Interface (GUI)-based word processor to create and edit documents	Level 1	NQF Level 01	4
Elective	<a href="#">116405</a>	Develop, implement and manage a permaculture site design	Level 5	Level TBA: Pre-2009 was L5	10
Elective	<a href="#">116383</a>	Manage a hydroponic production unit	Level 5	Level TBA: Pre-2009 was L5	10
Elective	<a href="#">116328</a>	The effective and responsible arial application of agrochemical products	Level 5	Level TBA: Pre-2009 was L5	14
Elective	<a href="#">116327</a>	The optimisation of agri / ecotourism strenghts and opportunities and negation of threats and weaknesses	Level 5	Level TBA: Pre-2009 was L5	6
Elective	<a href="#">116400</a>	Effective and responsible advice, recommendation and sale of agrochemical products	Level 6	Level TBA: Pre-2009 was L6	12

#### LEARNING PROGRAMMES RECORDED AGAINST THIS QUALIFICATION:

NONE

#### PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS QUALIFICATION:

*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 Primary or Delegated Quality Assurance Functionaries 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 Primary or Delegated Quality Assurance Functionary should be notified if a record appears to be missing from here.*

1. A.R.L.L Training and Projects (Pty) Ltd
2. ACS Academy Pty Ltd
3. Adonai Capital and Farming
4. Afgri Operations (Pty) Ltd
5. Africa College of Education
6. Africa Institute for Innovation (Pty) Ltd
7. African Global Skills Academy
8. Afrika Leadership Development Institute
9. Agri Skills Academy Pty Ltd
10. Agri Skills Transfer (PTY) Ltd
11. Agri Success (Pty) Ltd
12. Agriesy Trading cc
13. Agriventions Consulting
14. Amasiko Trading Enterprise
15. Anicrop Training
16. Asolwandle Services Pty Ltd
17. Asqhakaze (Pty) Ltd
18. Badishi Training and Consultants
19. Bafikile Skills and Consulting Services
20. Bahwaduba Kgatleng Agricultural Training Centre
21. Bam Edible Pty Ltd
22. Beritam Projects and Training Solutions
23. Best Thought Trading and Projects 371
24. Bex Business Consulting
25. Bintjus Projects (Pty) Ltd
26. Black African Young Farmers NPO
27. Bogelang Trading Enterprise Cc
28. Bokgoni Computer Training Centre (PTY)LTD
29. Brace Naveg Jv
30. BRIA GROUP (PTY) LTD
31. Brightspark Academy
32. Buhlebetfu Investments Pty Ltd
33. Buni Advocacy and Training Services Pty Ltd
34. Career Builders Academy Pty Ltd
35. CORPORATE SKILLS DEVELOPMENT SERVICES
36. Davhana Training and Development (Pty)Ltd
37. Dee's Training (Pty) Ltd
38. Deltatrax Projects Pty Ltd
39. Deneyo's Trading Enterprise
40. Design Reimagined (Pty) Ltd
41. Dicla Training and Projects (Pty) Ltd
42. Dzunde Farming Co-operative Limited
43. Ecowise Landscape
44. Elgin Community College
45. Elimu Afrika Enterprise Pty Ltd
46. Esethu Mangena Pty Ltd
47. Eskilz College (Pty) Ltd
48. Exacube Training Institute
49. Exodus Agri Academy Pty Ltd
50. Eza Mahlubi Trading
51. Faithworks Development Consultants ( Pty) Ltd
52. Farmgro TP
53. FAS Agro Agricultural and Vocational College NPC
54. Foundation of Hope Holdings Pty Ltd
55. Funzani Training Consultants
56. Ga Lechuti Transformational Talks (Pty) Ltd
57. Gare Kgare Projects (Pty) Ltd
58. Gateway City College
59. Giliana College of Agriculture and Management
60. Godloti (Pty) Ltd
61. Grace Agric Farming
62. Green Identity (Pty) Ltd
63. Greenoxe (Pty) Ltd
64. Growth Path Projects (Pty) Ltd
65. Henley Dam Development Pty Ltd
66. Hortisoil Pty ltd
67. Hot To Go Training College and Services
68. House of Elegance Trading
69. HWM Consultancy (Pty) Ltd
70. HYGRO TRAINING COLLEGE (Pty) LTD
71. Ikhaya Lokukhusela NPC
72. Ilanga Skills and Management Development CC
73. Impact Plus Training Consultants
74. Infinite Skills Academy
75. Ingcali Agricultural Solutions (Pty) Ltd
76. Injula Farmers and Projects
77. Inland College
78. Institute For Cooperative and Community Economic Development
79. Institutional Higher Education
80. International Agricultural Academy for africa
81. Joypat farming and Projects
82. Judy and Newie Projects
83. Just Goodwill 1921 Organization NPO
84. Katlo Logistix (Pty) Ltd
85. Keneuoe Lucky Agri Training (Pty) Ltd
86. Khanimambo Innovative Solutions Cc
87. Khathula Skills Institute Pty Ltd
88. Khonadzeaho Training Centre
89. Kings Way Garden Services Pty Ltd
90. KK Nzori (Pty) Ltd
91. Klear Living (Pty) Ltd
92. Knowledge For Ever
93. Kompliancelady
94. Koue Bokkeveld Training Centre
95. Lablab Agri Professionals
96. LAND BANK
97. Langalezulu (Pty) Ltd
98. Laumel Business Solution
99. Lemang Agricultural Services Pty Ltd



100.	LFP AGRI (PTY) LTD
101.	Lina and Arenes Catering
102.	Lusa Agric Supplies Pty Ltd
103.	Maab Training Management ( Pty) Ltd
104.	Magswe Projects Pty Ltd
105.	Majoka Trading and Construction
106.	Maliatzezulu General Trading
107.	Malizana Projects CC
108.	Malwande Business Schl
109.	Masikila Training Solution (Pty) LTd
110.	Mathel Holdings
111.	Matluka Services (Pty) Ltd
112.	Matojeni Farmers Trading and Projects
113.	Matotomana Training & General Trading
114.	Maurice Training and Projects Pty Ltd
115.	Mcgine Development Group (Pty) Ltd
116.	Meals on Wheels Community Services - South Africa
117.	Medical And Community Chaplaincy
118.	Middle Sky Trading 41 Pty Ltd
119.	Mile learning
120.	Moslo Farming and Landscaping pty Ltd
121.	MMC Agents Pty Ltd
122.	Modirisiwa Projects (Pty) Ltd
123.	Monageng Projects (Pty) Ltd
124.	Morero Agricultural Academy
125.	Mortarboard Training Solutions
126.	Moshia Holdings Pty Ltd
127.	Moshita Family Agric Primary Co-Operative Limited
128.	Mostgate Investment (Pty) Ltd
129.	Motheo FET College - Central Office
130.	Motsiri Training Pty Ltd
131.	Mpenhle Protection and Projects
132.	Mphekgwane Business Development
133.	Mthashana FET College - Vryheid Campus
134.	Mthombo Agri-Business Institute
135.	Mulivhuwa Holdings
136.	Muselwa Trading and Projects
137.	Mutshabi Education and Skills Development
138.	MV and LM Center Pty Ltd
139.	Mvelo Consultant
140.	Mzansi Training Institute
141.	Nandzu Trade and General Projects
142.	National English Maths Science Learning Centre Pty Ltd
143.	Ndikhondinani Skills Development
144.	Ndizanathi Projects
145.	Network for Career Development
146.	New Hope Revival Organisation
147.	Newpath Enterprises (Pty) Ltd
148.	Ngwetsana Skills Development
149.	Nistro Consulting
150.	Nolengka Farm
151.	Nothoka Business Enterprise Cc
152.	Number 9 and Fortfar Academy (Pty) Ltd
153.	Omiya Training and Projects
154.	Onenga Collective Investment
155.	Overberg Training and Development Initiative
156.	Owen Sithole College of Agriculture
157.	Peritum Agri Institute
158.	PHAMBILI KZN CONSTRUCTION AND DEVELOPMENT
159.	Phoka Mobung Pty Ltd
160.	Potchefstroom College of Agriculture
161.	Powerpoint Lifestyles Pty Ltd
162.	Prempie Business Solutions Pty Ltd
163.	QNH Logistics Pty Ltd
164.	Redeeming Time Multi Skills Training Services
165.	Retshetse Training Project
166.	Riostep (Pty) Ltd
167.	Ritompha Agricultural Institute Pty Ltd
168.	Roma Training Institute
169.	Scientia Agri Institute
170.	Selula Ulwazi Pty Ltd
171.	Shalom Home Community Based Cared
172.	Shivhishi Holdings Pty Ltd
173.	Shooter Pest Control (Pty) Ltd
174.	Sibayeni Metrofarming Pty Ltd
175.	Simba Skills Consultants
176.	Sinovuyoethu Trading Pty Ltd
177.	Siphamba Agri Group Pty Ltd
178.	Siphumezulwazi Consulting (Pty) Ltd
179.	Siqalosami Projects Pty Ltd
180.	Sivande Sethi Agriculture and Projects
181.	Sivukangomusa Landscaping and Agriculture Primary Co-Operative Limited
182.	Siyabonga Academy For Excellence
183.	Siyafunda-TTA Training (Pty) Ltd
184.	Siyamkelintando Farming and Landscaping
185.	Skills Catalyst Consultants
186.	Skills Development and Training Company (Pty) Ltd
187.	Skills for All
188.	Sly Wasly Trading and Projects
189.	Sobethu Skills and Development
190.	South African Training and Development Institute (PTY) LTD
191.	SOUTHERN AFRICAN YOUTH MOVEMENT
192.	Spears Business and Life Couch Consulting (Pty) Ltd
193.	ST NICS Boys Farmers and Projects Pty Ltd
194.	Stance Skills Academy Pty Ltd
195.	Stembridge College (Pty) Ltd
196.	Tama Mothiba Foundation NPC
197.	Tangana Investment Pty Ltd
198.	Tau Fresh Products (Pty)
199.	Technofield
200.	The Skills Development Hub (Pty) Ltd
201.	Thembeni Skills Development Trading and Projects (Pty) Ltd

202.	Thumbela Communication Pty Ltd
203.	Thuso Skills Development and Training Centre NPC
204.	Thuto Ya Setshaba Training Services (Pty) Ltd
205.	Tisoni Business Enterprise
206.	TJHEBELOPELE TAC (PTY) LTD
207.	Toutele Agriculture College South Africa Pty Ltd
208.	TOWNSHIP FLEVA (PTY) LTD
209.	TP Business Management (Pty) Ltd
210.	TPLR and Training Services (PTY) LTD
211.	TPN Training and Recruitment cc
212.	Trinity Skills and Trading
213.	True Devine Agricultural Skills foundation College Pty Ltd
214.	Tsiku Consulting (Pty) Ltd
215.	Tsolo Agriculture and Rural Development Institute
216.	Twoline Training Skills For Africa Pty Ltd
217.	Ukundiza Development Institute NPC
218.	Uluntu Skills Development Centre
219.	Umasingana Business and Projects Pty Ltd
220.	Umfumfu Construction and Projects
221.	Umgibe Farming Organics and Training Institute (Pty) Ltd
222.	Umntho We Afrika Foundation
223.	Umthombolwazi Consultants Cc
224.	Unity is Power Educational Program
225.	Univen Continuing Education Pty Ltd
226.	Valambya Training and Business College (Pty) Ltd
227.	Veejay Associates
228.	Vhembe Tutors and Coaches Pty Ltd
229.	VOLCAN STONE (PTY) LTD
230.	Vuka Sizwe Community Development Pty Ltd
231.	Watsima Projects and Environmental Services
232.	Wavhudi Business Trading
233.	WC Music Institute
234.	Willem 400
235.	World Wide Industrial and Systems Engineers
236.	Xamanda Projects Solutions
237.	Xisana Engineering and Supply Pty Ltd
238.	Xivono K Projects (Pty) Ltd
239.	Zamava Trading Pty Ltd
240.	Zwavhumbwa Trading Enterprises