

HYGRO

Training College



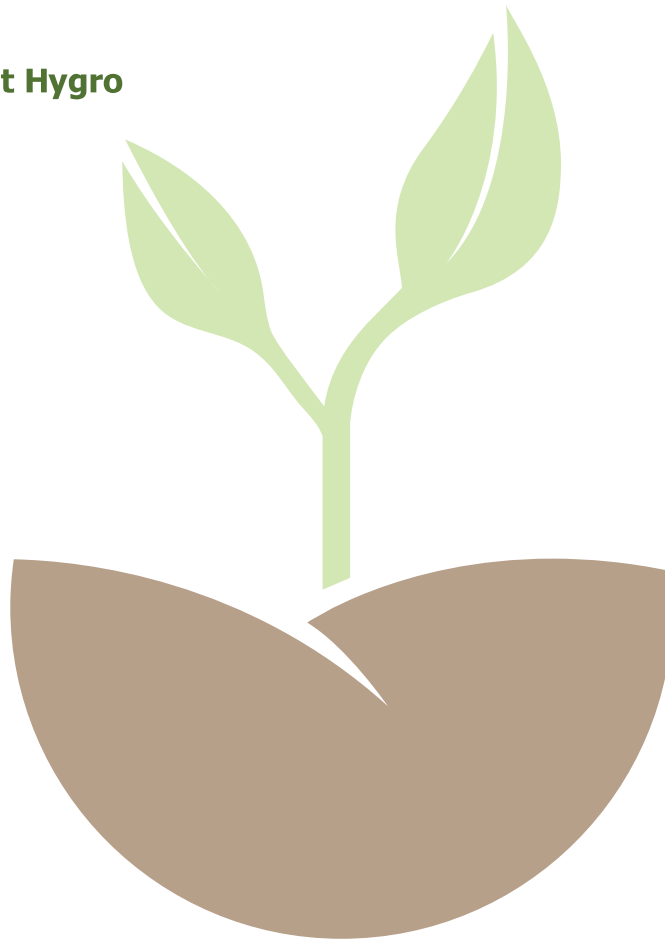
2025



PROSPECTUS

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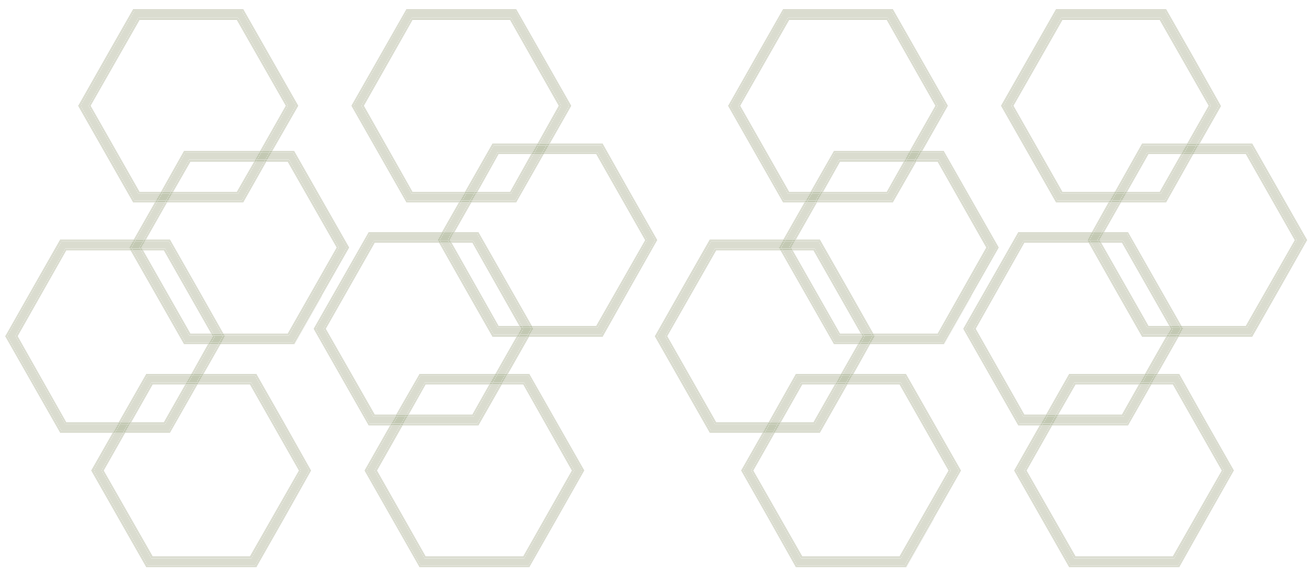
CURRICULUM

NATIONAL DIPLOMAS:

1. **Animal Production – NQF Level 5**
2. **Plant Production – NQF Level 5**

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CURRICULUM

NATIONAL CERTIFICATES:

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ADVANTAGES OF STUDYING AT HYGRO

When you enroll at Hygro, you meet a creative, innovative, dedicated, and enthusiastic team that is passionate about what they teach and how they serve your study needs.

We train our students to work ethically and to function independently, with perseverance and self-discipline. Thus, enabling them to be recognizable in the workplace. Core functions i.e., conflict management, time management, project team member, etc. forms part of our baseline training to prepare our students for the workplace environment.

When you enroll at Hygro, you can expect to:

- grow and learn throughout your studies
- receive an accredited qualification
- have access to distance learning
- have access to full time training at Hygro's facilities
- have access to communal accommodation (space is limited)
- experience a challenging programme that maintains high standards
- enjoy fast, friendly service from academic and administrative staff
- learn from a diverse team of highly qualified educators
- benefit from a thorough programme
- receive practical training

ACCREDITATION AND REGISTRATION

Hygro is an accredited agricultural college, as well as an approved QCTO Assessment Centre and Workplace.

Accreditation numbers:

- AgriSETA: AGRI/cprov/0031/06
- QCTO: 08-QCTO/SDP220624064747
- QCTO: 08-QCTO/AC-TTC110724154448
- SAIOSH: 69631307
- TETA: TETA21-1383
- Department of Labour: CI:656/3/12/1

MISSION, CORE VALUE & ASSURANCE

Our mission is to continue our growth through the delivery of the highest most cost-effective skills development and training, thereby creating employment.

We firmly believe in:

- Creating a job is better than finding one
- Empowerment through education
- Honesty and integrity
- Community development

Hygro is a company established under the Companies Act 61 of 1973. Hygro can manage funds provided by our clients in an effective, efficient, and transparent manner.

We hereby provide assurance, as required in terms of section 38(1)(j) of the Public Finance Management Act, that effective, efficient, and transparent financial management and internal control systems have been implemented and are maintained within Hygro. These includes annual external audits and procurement systems and procedures.



FACILITIES

Hygro offers communal accommodation, practical training facilities for hydroponic systems, plant production, animal production, poultry production and mixed farming systems. We also offer expert training and guidance from a qualified veterinary doctor and experts in the agricultural sector to ensure the highest quality of training. We also offer distance learning for individuals that prefer to do part time learning.

RECOGNITION OF PRIOR LEARNING (RPL)

During your lifetime, you might have acquired various skills, competencies, and experiences. This learning – which may have taken place outside formal education and training – is valuable, regardless of where or when it was obtained. You may have acquired skills or knowledge from a combination of training conducted while at work, experienced gained at work, short courses, or from community work in a relevant field. RPL permits you to gain credits towards a formal certificate or diploma offered by Hygro, based on the level and extent of your knowledge. Your prior learning will be measured against specified prescribed learning outcomes.

For more information on recognition of prior learning, please e-mail info@hygro.co.za

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CHOOSE YOUR QUALIFICATION

NATIONAL DIPLOMAS

- Animal production
- Plant production

NATIONAL CERTIFICATES

- Animal production
- Plant production
- Mixed farming systems

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ADMISSION REQUIREMENTS

NATIONAL DIPLOMA

A National Senior Certificate (NSC), Matric / Grade 12

OR

A qualification at NQF level 04, and or NQF level 05

OR

Competency acquired through recognition of prior learning

NATIONAL CERTIFICATES

Entry level requirement for NQF level 01:

A candidate must have achieved numeracy, literacy, and communication equivalent to ABET level 03 or grade 07

OR

Entry level requirement for NQF level 02:

A candidate must have achieved numeracy, literacy, and communication equivalent to NQF level 01 or grade 09

OR

Entry level requirement for NQF level 03:

A candidate must have achieved numeracy, literacy, and communication equivalent to NQF level 02 or grade 10

OR

Entry level requirement for NQF level 04:

A candidate must have achieved numeracy, literacy, and communication equivalent to NQF level 03 or grade 12

DO I QUALIFY?

SUBMIT YOUR APPLICATION TO

info@hygro.co.za

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HOW TO APPLY

CHOOSING YOUR QUALIFICATION



Once you have decided on the qualification you want, you are ready to apply.

COMPLETE AND SIGN THE REGISTRATION/ APPLICATION FORM



Kindly complete all the requested fields and sign where needed.

**EMAIL
REGISTRATION/
APPLICATION FORM
WITH ALL
SUPPORTING
DOCUMENTS**



Everyone applying for a new qualification (first-time applicants or existing students starting a new qualification) must submit the required documents.

Hygro does not provide scanners or electronic devices at the regional office, so please ensure that your documents are scanned and uploaded to an electronic device before starting the application process.

Documents must be certified within the last 3 months and emailed to info@hygro.co.za. Uncertified copies will be rejected.

**PAY THE
REGISTRATION FEE**



Pay the registration fee to complete the registration/application.

STUDY/HOSTEL FEES



Kindly note that study/hostel fees are payable upfront on or before the 7th of each month. Refer to section G on the registration/application form.

STUDENT SUPPORT AT HYGRO

Hygro prides itself on its learner support, which includes the following:

OUR STAFF, OUR PRIDE

Hygro is well staffed with committed, passionate administrators, coordinators, facilitators, assessors and moderators.

INTERNATIONAL RECOGNITION

Most of our Diploma and Learnership programmes are internationally recognized in countries like New Zealand, Australia and Britain.

ASSESSMENT CRITERIA

Competency will be determined on a variety of assessment methods:

- Verbal explanations
- Written assessments
- Practical assessments
- Physical demonstration
- Historical evidence

LEARNING MATERIAL

All learning material has been designed and developed to meet the outcomes criteria of the relevant SAQA.

ONSITE TRAINING

Hygro offers full time learning / onsite training.

Learners receive in class theoretical training and onsite practical learning.

All evidence will be compiled in a Portfolio of Evidence (PoE).

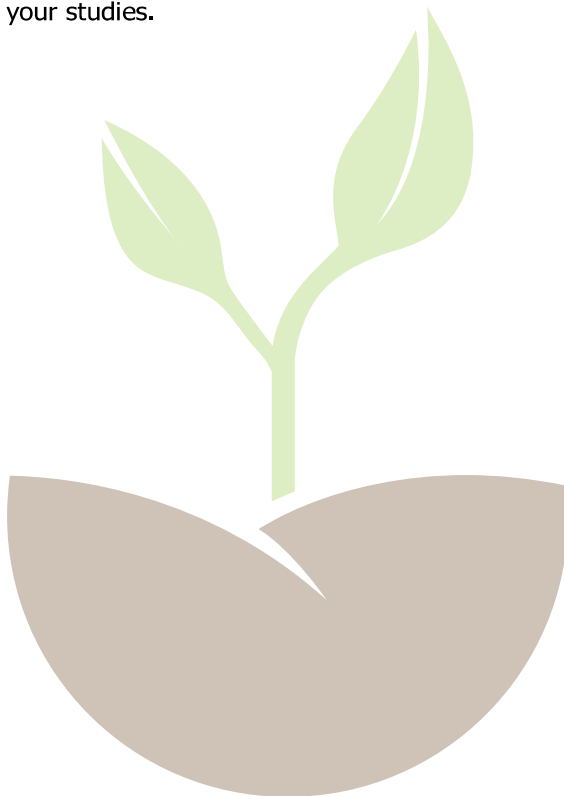
Once training has been completed and assessments marked, the PoE will be submitted to a qualified moderator to moderate the PoE. Upon completion of the moderation process, the PoE will then be submitted to the AgriSETA for verification purposes. Once the AgriSETA verified the PoE, the certificate will be generated and handed over to Hygro for distribution to the learners.

DISTANCE LEARNING SUPPORT

Should you choose to enroll for a distance learning course, it does not mean you are alone. An accredited facilitator / assessor will be assigned to you to assist with any queries you may encounter throughout your studies.

PAYMENT OPTIONS

Study / Hostel fees are payable over a period of 10 months.



STUDENT PRACTICALS



NATIONAL DIPLOMA: ANIMAL PRODUCTION

240 CREDITS ON NQF LEVEL 05, SAQA ID NUMBER 49011

INTRODUCTION TO THE PROGRAM

This qualification is registered at level 5 on the National Qualifications Framework.

The purpose of this qualification is to allow Junior Farm Managers to progress towards a Farm Manager position with specific reference to Animal Production. The contextualized 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 animal production in a variety of Animal 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 take responsibility for the achievements of groups within an Animal Production context.
- Competency will be gained in any of the specialized sub-fields of Animal Production as specified under Areas of Specialization (i.e. Small stock, Large Stock, Dairy Production, Aqua Culture, etc.) with a strong focus on management.
- The learner will be able to take responsible decisions within a wide range of familiar and unfamiliar 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 Animal Production context.
- The learner will be able to select from a wide range of standard and non-standard procedures in Animal 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 an Animal Production context.

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.

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

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

This qualification will form the basis for learners to extend their learning into more specialized areas of animal 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 to enable them to strive towards agricultural management standards and practices at higher levels.

DO I QUALIFY?

To be enrolled to this qualification, a candidate must have achieved matric / grade 12

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.

Submit your application to our training department to determine if you qualify to enroll for this qualification. Email to info@hygro.co.za

WHAT WILL I LEARN?

The learner will have demonstrated ability to make decisions and provide management guidelines considering a range of options after completion of the following unit standards in these specified areas:

FUNDAMENTAL:

- Engage in sustained oral communication and evaluate spoken texts
- Measure, estimate and calculate physical quantities and explore, critique, and prove geometrical relationships in 2- and 3-dimensional space in the life and workplace of adult with increasing responsibilities
- Read analyze and respond to a variety of texts
- Represent and operate on complex numbers in non-trivial situations
- Solve problems involving sequences and series in real and simulated situations
- Use language and communications in occupational learning programmes
- Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues
- Work with a wide range of patterns and inverses of functions and solve related problems
- Write for a wide range of contexts
- Develop and manage a data collection plan to support an agricultural enterprise
- Integrate sustainable systems into planning and management processes

CORE:

- Analyze and interpret the financial statements and physical record in an agri-business to generate managerial information
- Apply and plan animal nutrition
- Design a natural resource management plan
- Develop a production and strategic plan for the agricultural business

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- Develop and implement a food safety and quality management system in an agricultural supply chain
- Dissect animals
- Evaluate animal anatomy and physiology systems
- Evaluate animal health systems
- Harvest animal products: animal products systems
- Implement and manage human resource and labour relations policies and acts
- Integrate marketing plans with business process
- Integrate sustainable breeding and selection methods
- Investigate life threatening hazards when handling animals
- Manage an input chain
- Manage and control resources in a sustainable manner
- Optimize and integrate various farming systems and trends within related enterprises
- Optimize water quality
- Plan a farm and select a site
- Understand juvenile animal rearing practices

ELECTIVE:

- Control feedlot production unit
- The optimization of agri / ecotourism strengths and opportunities and negation of threats and weaknesses

Once training has been completed and assessments marked, the PoE will be submitted to a qualified moderator to moderate the PoE. Upon completion of the moderation process, the PoE will then be submitted to the AgriSETA for verification purposes. Once the AgriSETA verified the PoE, the certificate will be generated and handed over to Hygro Training College for distribution to the learners.

DURATION:

A complete training program will be available prior to implementation. The duration of the training will be over a period of 2 years.

NATIONAL DIPLOMA: PLANT PRODUCTION

240 CREDITS ON NQF LEVEL 05, SAQA ID NUMBER 49010

INTRODUCTION TO THE PROGRAM

This qualification is registered at level 5 on the National Qualifications Framework.

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 contextual 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 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 unfamiliar 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 a 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.

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.

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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 specialized 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 to enable them to strive towards agricultural management standards and practices at higher levels.

DO I QUALIFY?

To be enrolled to this qualification, a candidate must have achieved matric / grade 12 or must have attained a qualification at NQF level 4 on the National Qualifications Framework or will have other related technical knowledge such as animal production, plant production, or nature conservation. It is assumed that the learner is competent in Communication and Mathematical Literacy at NQF Level 4.

Submit your application to our training department to determine if you qualify to enroll for this qualification. Email to info@hygro.co.za

WHAT WILL I LEARN?

The learner will have demonstrated ability to make decisions and provide management guidelines considering a range of options after completion of the following unit standards in these specified areas:

FUNDAMENTAL:

- Engage in sustained oral communication and evaluate spoken texts
- Measure, estimate and calculate physical quantities and explore, critique, and prove geometrical relationships in 2- and 3-dimensional space in the life and workplace of adult with increasing responsibilities
- Read analyze and respond to a variety of texts
- Represent and operate on complex numbers in non-trivial situations
- Solve problems involving sequences and series in real and simulated situations
- Use language and communications in occupational learning programmes
- Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues
- Work with a wide range of patterns and inverses of functions and solve related problems
- Write for a wide range of contexts
- Develop and manage a data collection plan to support an agricultural enterprise
- Integrate sustainable systems into planning and management processes

CORE:

- Analyze and interpret the financial statements and physical record in an agri-business to generate managerial information
- Apply integrated pest management principles
- Describe biological processes in plant physiology
- Design a natural resource management plan

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- Develop a production and strategic plan for the agricultural business
- Develop a propagation plan for any agricultural production system
- Develop and implement a food safety and quality management system in an agricultural supply chain
- Develop and implement plant manipulation methods
- Develop suitable irrigation systems
- Implement and manage human resource and labour relations policies and acts
- Integrate marketing plans with business process
- Manage an input chain
- Manage and control resources in a sustainable manner
- Manage soil systems
- Manage the harvesting process of agricultural crops
- Optimize and integrate various farming systems and trends within related enterprises
- Optimize water quality
- Plan a farm and select a site

ELECTIVE:

- Manage a hydroponic production unit
- The effective and responsible arial application of agrochemical products
- The optimization of agri / ecotourism strengths and opportunities and negation of threats and weaknesses
- Effective and responsible advice, recommendation, and sale of agrochemical products

DURATION:

A complete training program will be available prior to implementation. The duration of the training will be over a period of 2 years.

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NATIONAL CERTIFICATE : ANIMAL PRODUCTION

140 CREDITS ON NQF LEVEL 04, SAQA ID NUMBER 48979

INTRODUCTION TO THE PROGRAM

This qualification is registered at level 4 on the National Qualifications Framework. This qualification provides learners the opportunity to gain a qualification in Animal Production.

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

- A learner assessed against this qualification will have the necessary competence to manage Supervisors and working teams, performing the agricultural processes as applicable to animal production in a range of Animal Production taking responsibility for the quality and quantity of outputs.
- The Learner will be able to take complete responsibility for her/his own actions and take responsibility for supervising others at lower levels within an Animal Production context under broad guidance and evaluation.
- Competency will be gained in any of the specialized sub-fields of Animal Production as specified under areas of specialization (i.e. Small stock, Large Stock, Dairy Production, Aqua Culture, etc.) with a strong focus on management.
- The learner will be able to take responsible decisions within a wide 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 Animal Production context.
- The Learner will be able to oversee the implementation of a wide range of procedures 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 others in terms of the planning, implementation, and control of development projects within an Animal Production context.

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

- Farm operators who wish to progress to the level of junior farm manager.
- Learners in possession of different levels of practical experience in farming operations, which will be assessed and RPL'ed;
- School leavers (Gr. 12) from agricultural schools; and

- Learners may come from both genders.

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

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

This qualification will form the basis for learners to extend their learning into more specialized areas of animal 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. 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 to enable them to strive towards agricultural management standards and practices at higher levels.

DO I QUALIFY?

To be enrolled to this qualification, a candidate must have achieved numeracy, literacy and communication equivalent to NQF level 02 and technical skills pertaining to agricultural activities equivalent to NQF 3. or grade 12.

Submit your application to our training department to determine if you qualify to enroll for this qualification. Email to info@hygro.co.za

WHAT WILL I LEARN?

The learner will have demonstrated ability to make decisions and provide management guidelines considering a range of options after completion of the following unit standards in these specified areas:

FUNDAMENTAL:

- Accommodate audience and context needs in oral communication
- Interpret a variety of literary texts
- Interpret and use information texts
- Write texts for a range of communicative contexts
- Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems
- Engage in sustained oral communication and evaluate spoken texts
- Implement a data collection plan
- Measure, estimate, and calculate physical quantities and explore, critique, and prove geometrical relationships in 2- and 3-dimensional space in life and workplace of adult with increasing responsibilities
- Plan and maintain environmentally sound agricultural processes
- Read, analyze, and respond to a variety of texts
- Use language and communication in occupational learning programmes
- Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues
- Write for a wide range of contexts

CORE:

- Apply procedures to manage damage control in animals and victims
- Assume co-responsibility and participation in human resource management
- Establish a plan for the monitoring, safe use, and maintenance of equipment implements, technology, and infrastructure
- Evaluate, adjust, and implement factors influencing agricultural enterprises
- Execute sustainable resource use and quality control
- Explain animal classification and natural history
- Explain functional animal anatomy and physiology
- Explain intermediate animal nutrition
- Give an overview of the industry structure
- Implement a food safety and quality management system in the agricultural supply chain
- Implement a natural resource management plan
- Implement animal health and bio-security programs
- Implement integrated farm layout and site selection
- Manage the quality of the harvesting of animal products
- Manage water quality parameters
- Participate in the development and management of an agri-business plan
- Participate in the development and management of an agricultural marketing plan
- Plan and maintain breeding system
- Prepare a whole farm budget and establish a proper integrated information system for an agri-business
- Procure and manage agricultural input

ELECTIVES:

- Control feedlot production unit

DURATION:

A complete training program will be available prior to implementation. The duration of the training will be over a period of 1 year.

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NATIONAL CERTIFICATE : PLANT PRODUCTION

120 CREDITS ON NQF LEVEL 03, SAQA ID NUMBER 49052

INTRODUCTION TO THE PROGRAM

This qualification is registered at level 3 on the National Qualifications Framework.

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.

This qualification provides learners the opportunity to gain a qualification in Plant Production.

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

- Farm operators who wish to progress to the level of supervisor within farming operations in Plant Production,
- Farm owners, in possession of an equivalent qualification at NQF 2,
- Learners in possession of different levels of practical experience in farming operations, which will be assessed and RPL'ed;
- Possible candidates for promotion identified by the community as leaders.
- Learners may come from both genders.

The learner will engage in supervision 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 specialized 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. 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 to enable them to strive towards agricultural management standards and practices at higher levels.

DO I QUALIFY?

To be enrolled to this qualification, a candidate must have achieved numeracy, literacy and communication equivalent to NQF level 02 and technical skills pertaining to agricultural activities equivalent to NQF level 2, or grade 10.

Submit your application to our training department to determine if you qualify to enroll for this qualification. Email to info@hygro.co.za

WHAT WILL I LEARN?

The learner will have demonstrated ability to make decisions and provide management guidelines considering a range of options after completion of the following unit standards in these specified areas:

FUNDAMENTAL:

- Accommodate audience and context needs in oral communication
- Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations
- Describe, apply, analyze, and calculate shape and motion in 2-and 3-dimensional space in different contexts
- Incorporate basic concepts of sustainable farming systems into practical farm activities
- Interpret and use information from texts
- Investigate life and work-related problems using data and probabilities
- Supervise the collection of agricultural data
- Use language and communication in occupational learning programmes
- Use mathematics to investigate and monitor the financial aspects of personal, business, and national issues
- Write texts for a range of communicative contexts

CORE:

- Apply crop protection and animal health products effectively and responsibly
- Apply routine maintenance and servicing plans and procedures
- Assist in farm planning and layout for conservation and rainwater harvesting
- Demonstrate a basic understanding of the physiological functioning of the anatomical structures of the plant
- Explain application of marketing principles within an alternative and dynamic agricultural marketing environment
- Explain costing and the viability of an agri-business
- Explain human resource policies and procedures
- Explain store inputs categories, labelling and storage methods
- Explain the planning and scheduling of tasks in a production environment
- Explain the propagation of plants
- Interpret factors influencing agricultural enterprises and plan accordingly
- Maintain water quality parameters
- Manage soil fertility and plant nutrition
- Monitor and co-ordinate the harvesting of agricultural products
- Monitor and supervise a food safety and quality management system in the agricultural supply chain
- Monitor natural resource management practices

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- Monitor pests, diseases, and weeds on crops
- Monitor plant manipulation
- Monitor the operation and maintenance of irrigation systems

ELECTIVE:

- Identify and apply permaculture principles
- Produce crop in a hydroponic system

Duration:

A complete training program will be available prior to implementation. The duration of the training will be over a period of 1 year.

NATIONAL CERTIFICATE: MIXED FARMING SYSTEMS

120 CREDITS ON NQF LEVEL 02, SAQA ID NUMBER 48977

INTRODUCTION TO THE PROGRAM

This qualification is registered at level 2 on the National Qualifications Framework.

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 Mixed Farming systems. The contextualized 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 both Plant- and Animal 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 Mixed Farming context.
- Competency will be gained in a combination of the sub-fields of Plant and Animal Production as specified under areas of specialization (i.e. Small Stock, Large Stock as well as 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 Mixed Farming context.
- The Learner will be able to carry out familiar procedures in a limited environment and will be able to adhere to 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 Animal Production, 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 others in terms of the implementation of smaller development projects within Mixed Farming context.

This qualification provides learners the opportunity to gain a qualification in Mixed Farming Systems (Plant- and Animal Production).

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

- Junior farm labourers who wish to progress to the level of labourer within farming operations in Plant Production;
- Farm owners, in possession of an equivalent qualification at NQF 1;

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- Learners in possession of different levels of practical experience in farming operations, which will be assessed and RPL'ed;
- Possible candidates for promotion identified by the community as leaders.
- Learners may come from both genders.

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

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

This qualification will form the basis for learners to extend their learning into more specialized areas of plant- and animal 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. 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 to enable them to strive towards agricultural management standards and practices at higher levels.

DO I QUALIFY?

To be enrolled to this qualification, a candidate must have achieved numeracy, literacy and communication equivalent to NQF level 01, or grade 09.

Submit your application to our training department to determine if you qualify to enroll for this qualification. Email to info@hygro.co.za

WHAT WILL I LEARN?

The learner will have demonstrated ability to make decisions and provide management guidelines considering a range of options after completion of the following unit standards in these specified areas:

FUNDAMENTAL:

- Access and use information from texts
- Apply basic knowledge of statistics and probability to influence the use of data and procedures to investigate life related problems
- Demonstrate understanding of rational and irrational numbers and number systems
- Maintain and adapt oral communication
- Measure, estimate and calculate physical quantities and explore, describe, and represent geometrical relationships in 2- dimensions in different life or workplace contexts
- Monitor, collect, and collate agricultural data
- Recognize and identify the basic functions of the ecological environment
- Use language and communication in occupational learning programmes
- Use mathematics to investigate and monitor the financial aspects of personal and community life
- Work with a range of patterns and functions and solve problems
- Write for a defined context

CORE:

- Apply crop protection and animal health products effectively and responsibly

- Apply layout principles for conservation and infrastructure
- Apply marketing principles in agriculture
- Apply plant manipulation methods
- Apply sustainable farming practices to conserve the ecological environment
- Control inputs and stock in agri-business
- Control pests, diseases, and weeds on all crops effectively and responsibly
- Define and understand production systems and production management
- Explain principles of human resources management practices in agriculture
- Identify and recognize factors influencing agricultural enterprise selection
- Identify basic breeding practices for farm animals
- Illustrate and understand the basic layout of financial statements
- Monitor the establishment of a crop
- Monitor water quality
- Operate and support a food safety and quality management system in the agricultural supply chain
- Respond correctly to control defensive behavior in animals
- Understand animal nutrition
- Understand basic soil fertility and plant nutrition
- Utilize and perform minor repair and maintenance tasks on implements, equipment, and infrastructure

ELECTIVE:

- Administer livestock processing treatments
- Mix and deliver feedlot feed to bunker
- Perform routine operations and identify basic problems in hydroponic systems

DURATION:

A complete training program will be available prior to implementation. The duration of the training will be over a period of 1 year.



Contact

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