

National Vocational Certificate in Horticulture and Crop Husbandry (Level 2)

Level of qualification: 2

Total credits available: 128

Total credits required: 117

	Compulsory	Elective
Level 1 credits available	20	None
Level 2 credits available	79	29
Minimum totals required	99	18

Registration date: 12 September 2024

Scheduled review date: 12 September 2029

Body responsible for the qualification: Namibia Training Authority - NTA through Agricultural and Forestry Industry Skills Committee.

Other bodies whose unit standards are included in the qualification: None

1 PURPOSE

This qualification recognises people who have the competencies required for performing agricultural tasks in agronomy and horticulture. It is awarded to those who have demonstrated the skills and knowledge required to control pests, diseases, disorders and weeds; perform soil and leaf sampling techniques and apply nutrient amendments; apply basic concept of soil, water, nutrient and plant interactions; demonstrate knowledge of the economic and social contribution of the agronomic and horticulture industry in Namibia; demonstrate knowledge of soil and water conservation and appropriate technology; produce compost; propagate plants; scout for pests, diseases, disorders and weeds in crops; establish field crops; harvest field crops; establish vegetable crops; provide care for nursery and ornamental plants; conduct basic fruit production techniques; harvest fruit and vegetable crops; conduct post-harvest operations for field crops; handle horticultural produce after harvest; operate agricultural small production machinery and equipment; operate and maintain simple irrigation systems; apply basic financial literacy skills for agribusiness; demonstrate an understanding of basic economic principles of farming; use workplace English in agricultural operations; apply work ethics; demonstrate an understanding of basic environmental principles in agriculture; apply fundamental computer literacy skills; apply basic numeracy skills in a workplace environment; perform basic estimations and calculations in agricultural operations; demonstrate knowledge of basic workplace health and safety; and carry out basic repair and maintenance of water infrastructure and pumps on the farm.

It also requires the following competencies:

Produce fodder crops; handle farm animals; provide water, feeds and supplements to livestock; carry out basic repairs and maintenance of farm machinery and equipment; conduct basic manual metal arc welding; use draught animals; operate agricultural large production farm machinery and equipment; and demonstrate knowledge of organic agriculture.

The entry requirements for this qualification are the ability to demonstrate basic communication skills in the English language and basic numeracy skills.

This qualification leads to the National Vocational Certificate in Crop and Horticulture Production (Level 3) through participating in full time study at a registered and/or accredited training provider or through Recognition of Prior Learning (RPL).

2 REGULATIONS FOR THE QUALIFICATION

2.1 Summary of qualification requirements

This qualification will be awarded to people who are credited with a minimum of **117** credits and have met the requirements of both the compulsory and elective sections and as well as all requirements for Workplace Integrated Learning (WIL) as laid out in the National Policy on Work-Integrated Learning for Technical and Vocational Education and Training (TVET).

5.1 Detailed qualification requirements

Compulsory

All the unit standards listed below are required.

FIELD: Agriculture and Nature Conservation
Subfield: Agronomy and Horticulture
Domain: Plant Husbandry

Unit ID	Unit Standard Title	Level	Credits
1306	Control pests, diseases, disorders and weeds	2	4
1307	Perform soil and leaf sampling techniques and apply nutrient amendments	2	3
1308	Apply basic concept of soil, water, nutrient and plant interactions	2	2
1309	Demonstrate knowledge of the economic and social contribution of the agronomic and horticulture industry in Namibia	2	2
1310	Demonstrate knowledge of soil and water conservation and appropriate technology	2	2
1312	Produce compost	2	4
1313	Propagate plants	2	3
1314	Scout for pests, diseases, disorders and weeds in crops	2	3

AND

FIELD: Agriculture and Nature Conservation
Subfield: Agronomy and Horticulture
Domain: Agronomic Crops

Unit ID	Unit Standard Title	Level	Credits
1293	Establish field crops	2	4
1295	Harvest field crops	2	2

AND

FIELD: Agriculture and Nature Conservation
Subfield: Agronomy and Horticulture
Domain: Horticulture

Unit ID	Unit Standard Title	Level	Credits
1299	Establish vegetable crops	2	3
1298	Provide care for nursery and ornamental plants	2	3
1297	Conduct basic fruit production techniques	2	2
1301	Harvest fruit and vegetable crops	2	3

AND

FIELD: Agriculture and Nature Conservation
Subfield: Agronomy and Horticulture
Domain: Post-Harvest Storage and Handling

Unit ID	Unit Standard Title	Level	Credits
1323	Conduct post-harvest operations for field crops	2	3
1324	Handle horticultural produce after harvest	2	4

AND

FIELD: Agriculture and Nature Conservation
Subfield: Machinery and Equipment
Domain: Operate Machinery, Tools and Equipment

Unit ID	Unit Standard Title	Level	Credits
2578	Operate agricultural small production machinery and equipment	2	3
1380	Operate and maintain simple irrigation systems	2	6

AND

FIELD: Agriculture and Nature Conservation
Subfield: Farm Management
Domain: Farm Business

Unit ID	Unit Standard Title	Level	Credits
1326	Apply basic financial literacy skills for agribusiness	2	3
1327	Demonstrate an understanding of basic economic principles of farming	2	4

AND

FIELD: Agriculture and Nature Conservation
Subfield: Farm Management
Domain: Human Resources Management

Unit ID	Unit Standard Title	Level	Credits
1330	Use workplace English in agricultural operations	2	2
1331	Apply work ethics	2	2

AND

FIELD: Agriculture and Nature Conservation
Subfield: Farm Management
Domain: Environmental Literacy

Unit ID	Unit Standard Title	Level	Credits
1393	Demonstrate an understanding of basic environmental principles in agriculture	2	4

AND

FIELD: Physical, Mathematical and Computer Studies
Subfield: Information Communication Technology
Domain: Computing Fundamentals

Unit ID	Unit Standard Title	Level	Credits
1156	Apply fundamental computer literacy skills	1	8

AND

FIELD: Physical, Mathematical and Computer Studies
Subfield: Numeracy
Domain: Foundation Numeracy Skills

Unit ID	Unit Standard Title	Level	Credits
1153	Apply basic numeracy skills in a workplace environment	1	5

AND

FIELD: Agriculture and Nature conservation
Subfield: Farm Management
Domain: Farm Numeracy Skills

Unit ID	Unit Standard Title	Level	Credits
2608	Perform basic estimations and calculations as part of agricultural operations	2	3

AND

FIELD: Health Sciences and Social Services
Subfield: Preventive Health
Domain: Occupational Health and Safety

Unit ID	Unit Standard Title	Level	Credits
1157	Demonstrate knowledge of basic workplace health and safety	1	7

AND**FIELD:** Agriculture and Nature Conservation**Subfield:** Infrastructure**Domain:** Water Supplies

Unit ID	Unit Standard Title	Level	Credits
1345	Carry out basic repair and maintenance of water infrastructure and pumps on the farm	2	5

Electives

A minimum of 18 credits are required from the following unit standards.

FIELD: Agriculture and Nature Conservation
Subfield: Agronomy and Horticulture
Domain: Agronomic Crops

Unit ID	Unit Standard Title	Level	Credits
1296	Produce fodder crops	2	5

FIELD: Agriculture and Nature Conservation
Subfield: Livestock
Domain: Animal Husbandry

Unit ID	Unit Standard Title	Level	Credits
1357	Handle farm animals	2	3
1359	Provide water, feeds and supplements to livestock	2	3

FIELD: Agriculture and Nature Conservation
Subfield: Machinery and Equipment
Domain: Repairs and Maintenance

Unit ID	Unit Standard Title	Level	Credits
1385	Carry out basic repairs and maintenance of farm machinery and equipment	2	5
1387	Conduct basic manual metal arc welding	2	3

FIELD: Agriculture and Nature Conservation
Subfield: Draught Animal Power
Domain: Draught Animals

Unit ID	Unit Standard Title	Level	Credits
1370	Use draught animals	2	2

FIELD: Agriculture and Nature Conservation
Subfield: Machinery and Equipment
Domain: Operate Machinery, Tools and Equipment

Unit ID	Unit Standard Title	Level	Credits
2579	Operate agricultural large production farm equipment and machinery	2	4

FIELD: Agriculture and Nature Conservation
Subfield: Organic Farming
Domain: Organic Agriculture

Unit ID	Unit Standard Title	Level	Credits
2616	Demonstrate knowledge of organic agriculture	2	4

3 CREDIT RECOGNITION AND TRANSFER ARRANGEMENTS

Credits for any version of a unit standard of the same identification number will be recognised in the award of this qualification.

4 SPECIAL ARRANGEMENTS

4.1 Providers seeking registration and/or accreditation to deliver this qualification must meet the following special arrangements.

4.1.1 This qualification will be offered to trainees **either** including a period of 3 months of **industrial/job attachment, where it is recommended that the attachment be done at a training institution to develop a Portfolio of Evidence (POE) and be mentored on site, OR** as an **apprenticeship scheme** of a duration determined and agreed upon by the employer and the training provider on a ratio of 70/30 (70% at workplace and 30% at training institution) basis.

Industrial/Job attachment is defined as a period in a workplace setting where a trainee obtains structured practical experience in a specific occupation in order to complement competencies acquired during training at a Technical Vocational Training Provider (TVTP).

Apprenticeship refers to the system of work integrated learning, where an apprentice is employed by a company on contractual basis, earning a monthly salary, learning and working side-by-side with an experienced mentor. In this case the employer must be an NTA approved entity (company) to register apprentices and has to identify a suitable training provider to provide the apprentice with the opportunity to gain skills and knowledge from theoretical training.

Employers and training providers are encouraged to consult the **National Policy On Work-Integrated Learning (WIL) for Technical and Vocational Education and Training (TVET) Sector** for further details on WIL implementation.

4.1.2 Providers involved in the assessment of this qualification and the associated unit standards must comply with the national assessment framework for the TVET system up to and including level 5 of the National Qualifications Framework. Assessment will include performance and achievement assessment acquired through work integrated learning periods. Assessment arrangements apply to all occupations and industries which are encompassed in the Technical Vocational Education and Training sector.

4.1.3 Providers of this qualification and the associated unit standards must be registered and/or accredited.

4.1.4 Providers of this qualification and their associated unit standards must have access to all equipment and facilities detailed in the tools and equipment list.

4.2 Competencies covered in this qualification may be assessed through Recognition of Prior Learning (RPL).

4.3 Further relevant information and documentation may be accessed through:

Namibia Training Authority

10 Rand Street

Khomasdal

Namibia

Telephone number: 061 207 8550

Facsimile number: 061 207 8551

Email: info@nta.com.na

5 TRANSITION ARRANGEMENTS

5.2 Non-National Qualifications Framework transition

None

5.3 National Qualifications Framework transition

This qualification was updated and issued as Version 2 in 2024.

Version 1 of this qualification will not be awarded as from 31 December 2025. People currently working towards Version 1 of this qualification are advised to transfer their existing credit awards to this version of the qualification at any time during 2025 and beyond.

People holding the earlier version of this qualification will continue to have their qualification recognised within the Agriculture industry in terms of meeting relevant career and further learning entry and/or progression requirements.