

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

Level of qualification: 2

	Compulsory	Elective
Level 2 credits available	59	72
Level 1 credits available	34	None
Minimum totals required	93	27

Registration date: 25 November 2015

Scheduled review date: 2020

Body responsible for the qualification: Namibia Training Authority - NTA

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: work effectively in the agriculture industry, record data, use tools, operate equipment, maintain machinery and water supplies, and fertilise, plant, establish, apply remedies to, harvest and handle agronomic or horticultural crops and apply basic first aid, HIV and AIDS, numeracy, computer, financial literacy, entrepreneurship and English skills while interacting with others in an agricultural workplace environment. It also requires electives with a minimum total credit value of 27.

This qualification is designed to be accessible and flexible. The entry requirement is Grade 10.

This qualification leads to the National Vocational Certificate in Crop and Horticulture Production (Level 3).

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 120 credits and have met the requirements of both the compulsory and elective sections.

2.2 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 No.	Unit Standard Title	Level	Credits
Unit ID: 1307	Apply soil sampling techniques and soil fertility	2	2

	and conditioning amendments and practices		
Unit ID: 1308	Demonstrate introductory knowledge of soil, water, nutrient and plant interactions	2	2
Unit ID: 1309	Demonstrate knowledge of crop agriculture in Namibia	2	2
Unit ID: 1310	Demonstrate knowledge of soil and water conservation and appropriate relevant technology	2	2
Unit ID: 1311	Demonstrate understanding of sustainable, ecological and organic agriculture	2	1
Unit ID: 1312	Produce compost	2	2
Unit ID: 1313	Propagate plants	2	3
Unit ID: 1314	Report pests, diseases, disorders and weeds in crops	2	3

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1295	Harvest field crops	2	2

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1301	Harvest fruit and vegetable crops	2	3

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1357	Handle farm animals	2	3
Unit ID: 1359	Provide water, feeds and supplements to livestock	2	3

FIELD: Agriculture and Nature Conservation
 Subfield: Machinery and Equipment
 Domain: Operate machinery, tools and equipment

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1378	Operate farm vehicles, tractors and stationary engines	2	4
Unit ID: 1379	Operate simple farm machinery	2	2
Unit ID: 1380	Operate simple irrigation systems	2	3
Unit ID: 1381	Use and maintain hand and power farm tools	2	2

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

Unit No.	Unit Standard Title	Level	Credits
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Unit ID: 1346	Provide water for farming operations	2	2
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FIELD: Agriculture and Nature Conservation
 Subfield: Farm Management
 Domain: Farm Business

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1326	Apply basic financial literacy skills for agribusiness	2	4
Unit ID: 1327	Demonstrate an understanding of basic economic principles of farming	2	4

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1330	Use workplace English in agricultural operations	2	2
Unit ID: 1331	Work effectively in the agricultural industry	2	4

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1393	Demonstrate an understanding of basic environmental principles in agriculture	2	4

FIELD: Health Sciences and Social Services
 Subfield: Core Health
 Domain: First Aid

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 843	Provide basic first aid	1	3

FIELD: Health Sciences and Social Services
 Subfield: Core Health
 Domain: HIV and AIDS Awareness

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1155	Demonstrate basic awareness of HIV and AIDS	1	6

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1156	Apply fundamental computer literacy skills	1	8

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1153	Apply basic numeracy skills in a workplace environment	1	5

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1157	Demonstrate knowledge of basic workplace health and safety	1	7

FIELD: Communication Studies and Language
 Subfield: Communication Skills
 Domain: Foundation Communication Skills

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1151	Interact with others in a workplace environment	1	5

Electives

A minimum of 4 credits is required from the following two unit standards

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1293	Establish field crops	2	4
Unit ID: 1294	Establish field crops in sustainable, ecological and organic agriculture	2	4

A minimum of 4 credits is required from the following two unit standards

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1299	Establish vegetable crops	2	4
Unit ID: 1300	Establish vegetable crops in sustainable, ecological and organic agriculture	2	4

A minimum of 4 credits is required from the following two unit standards.

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1305	Apply pest, disease, disorder and weed management measures in sustainable, ecological	2	4

	and organic crop production		
Unit ID: 1306	Apply pest, disease, disorder and weed treatments	2	4

A minimum of 3 credits is required from the following two unit standards.

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1323	Conduct post-harvest operations for field crops	2	3
Unit ID: 1324	Handle horticultural produce after harvest	2	4

A minimum of 4 credits is required from the following three unit standards.

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1296	Produce fodder crops	2	5

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1297	Conduct basic fruit production techniques	2	4
Unit ID: 1298	Conduct basic gardening, nursery and ornamental plant techniques and operations	2	4

Additional credits from the following group must be taken to complete the requirement of a total of 120 credits for the qualification of which 27 are elective (dependent on how many credits are taken from the above paired choices).

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1349	Carry out basic animal health maintenance	2	4
Unit ID: 1352	Conduct Livestock Identification	2	3
Unit ID: 1354	Demonstrate knowledge of basic anatomy and physiology of farm animals	2	2

FIELD: Agriculture and Nature Conservation
 Subfield: Livestock
 Domain: Dairy

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1367	Milk dairy animals	2	3

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1345	Carry out basic repair and maintenance of water infrastructure and pumps on the farm	2	5

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1386	Carry out maintenance of simple irrigation systems	2	3
Unit ID: 1385	Carry out basic repair and maintenance of simple farm machinery	2	3
Unit ID: 1387	Conduct basic arc welding and repair of metal structures	2	3

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1370	Use draught animals	2	2

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

Providers seeking accreditation to deliver this qualification must meet the following special arrangements.

- 4.1 Providers involved in the assessment of this qualification and the associated unit standards must comply with the national assessment arrangements for the VET system up to and including level 5 of the Namibia Qualifications Framework. These arrangements apply to all occupations and industries, including agriculture, which are encompassed in the vocational education and training sector. A copy of the national assessment arrangements is available from:

Namibia Training Authority
 Rand Street
 Khomasdal
 Namibia

Telephone number: 061 207 8550

Facsimile number: 061 207 8551

Email info@nta.com.na

- 4.2 Providers of this qualification and the associated unit standards must be accredited.

5 TRANSITION ARRANGEMENTS

5.1 Non National Qualifications Framework transition

None

5.2 National Qualifications Framework transition

This is the first version of this qualification.