

National Vocational Certificate in Crop and Horticulture Production (Level 3)
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Level of qualification: 3

	Compulsory	Elective
Level 3 credits available	64	31
Level 2 credits available	None	49
Level 1 credits available	5	None
Minimum totals required	69	31

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. It is awarded to people who have demonstrated the skills and knowledge required to work effectively in the agriculture industry, demonstrate knowledge of crop structure, functions and nutrition and coordinate soil and fertility amendments and practices, compost production and use, seed production and storage, crop production, crop health, horticultural storage and handling, irrigation, agricultural workforce, maintain records, sell produce, prevent and respond to wildfire; operate equipment, machinery and irrigation; and use workplace English in coordination of agricultural production. It also requires electives with a minimum total of 31 credits.

This qualification is designed to be accessible and flexible. The entry requirement is the National Vocational Certificate in Crop Husbandry and Horticulture.

This qualification leads to the National Vocational Certificate in Agriculture (Level 4).

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 100 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: 1315	Coordinate application of soil and crop fertility amendments and practices	3	4

Unit ID: 1320	Coordinate tasks for compost production and use	3	4
Unit ID: 1321	Coordinate tasks for seed production and storage	3	4
Unit ID: 1322	Demonstrate knowledge of the structure, functions and nutrition of crop plants	3	3

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1302	Coordinate greenhouse crop production tasks	3	5

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1325	Coordinate tasks for storage and handling of horticultural products	3	4

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1304	Coordinate tasks for irrigation of crops	3	3

FIELD: Agriculture and Nature Conservation
 Subfield: Farm Management
 Domain: Farm Production Planning

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1329	Demonstrate knowledge of the livestock industry in Namibia	3	3

FIELD: Agriculture and Nature Conservation
 Subfield: Natural Resources Management
 Domain: Farm Ecosystem Management

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1395	Coordinate tasks to reduce problem animals in farming	3	4
Unit ID: 1394	Prevent and respond to wildfire	3	4

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1382	Operate and maintain complex farm machinery and equipment	3	5
Unit ID: 1383	Operate automated irrigation systems	3	4

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1332	Coordinate workforce deployment in agriculture	3	4
Unit ID: 1333	Use workplace English in agricultural production	3	2

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1328	Demonstrate an understanding of farm enterprise planning	3	5

FIELD: Agriculture and Nature Conservation
 Subfield: Farm Management
 Domain: Record Keeping

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1335	Maintain agricultural records	3	4

FIELD: Agriculture and Nature Conservation
 Subfield: Farm management
 Domain: Farm Produce Marketing

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1334	Sell farm produce	3	2

FIELD: Business, Commerce and Management Studies
 Subfield: Business Development
 Domain: Entrepreneurship

Unit No.	Unit Standard Title	Level	Credits
Unit ID 1158	Apply basic entrepreneurship skills	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: Plant Husbandry

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1316	Coordinate crop production tasks	3	4
Unit ID: 1319	Coordinate sustainable, ecological and organic crop production tasks	3	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: 1317	Coordinate pest, disease, disorder and weed control tasks in conventional crop production	3	4
Unit ID: 1318	Coordinate pest, disease, disorder and weed management tasks in sustainable, ecological and organic crop production	3	4

Additional credits from the following group must be taken to complete the requirement of a total of 100 credits for the qualification of which 31 are elective (dependent on how many credits are taken from the above paired choices).

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

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1303	Coordinate fruit crop production tasks	3	5

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: 1350	Carry out basic breeding of common livestock species	2	2
Unit ID: 1351	Conduct livestock castration	2	3
Unit ID: 1352	Conduct livestock identification	2	3
Unit ID: 1364	Coordinate movement of livestock	3	4
Unit ID: 1353	Dehorn calves	2	2
Unit ID: 1354	Demonstrate knowledge of basic anatomy and physiology of farm animals	2	2
Unit ID: 1358	Maintain housing for livestock	2	2
Unit ID: 1360	Slaughter 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: Rangeland and Pastures
 Domain: Natural Rangeland

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1396	Demonstrate knowledge of condition of rangeland	2	3

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

Unit No.	Unit Standard Title	Level	Credits
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
Unit ID: 1388	Conduct blacksmithing techniques	2	2
Unit ID:1392	Carry out repairs and maintenance of complex farm machinery	3	4
Unit ID: 1386	Carry out maintenance of simple irrigation systems	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: Draught Animal Power
 Domain: Draught Animals

Unit No.	Unit Standard Title	Level	Credits
Unit ID: 1369	Make harnesses for draught animals	2	5
Unit ID: 1371	Select and train draught animals	3	2
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.