

<b>Domain</b>	<b>PLANT HUSBANDRY</b>	<b>Unit ID:</b>	<b>1309</b>
<b>Title:</b>	<b>Demonstrate knowledge of crop agriculture in Namibia</b>		
<b>Level: 2</b>		<b>Credits: 2</b>	

### Purpose

This unit standard specifies the competencies required to demonstrate knowledge of crop agriculture in Namibia. It is intended for those who work in agriculture as well as people in other occupations that work with plants. It includes:

- Demonstrate knowledge of the economic and social contribution of crop agriculture in Namibia
- Demonstrate knowledge of economically important crops in Namibia and their components
- Describe crop adaptations to agro-ecological zones, seasons and water needs
- Demonstrate knowledge of crop production systems in Namibia.

### Special Notes

1. Entry information

Prerequisite:

- None

2. This unit standard is to be delivered and assessed in the context of agricultural operations and can be assessed in conjunction with other relevant technical unit standards.

3. The evidence required to demonstrate competency in this unit must be relevant to workplace operations.

4. Assessment evidence may be collected from a real workplace or an appropriate simulated environment in which agricultural operations are carried out.

5. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' guidelines and instructions.

6. Glossary of terms

- '*Crops*' and '*Crop agriculture*' may include, but is not limited to, the dryland, irrigated, vegetable, herb, flower, ornamental, nursery, fruit and field crops grown in Namibia for subsistence and commercial purposes.

7. Regulations and legislation relevant to this unit standard include the following:

- Labour Act, No. 11, 2007
- Regulations relating to the Health and Safety of employees at work, 1997
- National Agricultural Policy, 1995
- Agronomic Industry Act, 20, 1992
- National Drought Policy, 1997

- Standards Act, 2005, Standards Regulations: Standards Act, 2005 and relevant Namibian Standards as established

and all subsequent amendments to any of the above.

- All current sets of *Good Agricultural Practices* to which Namibia subscribes and that regulate agricultural products entering a country to which Namibian producers may export.

### **Quality Assurance Requirements**

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority on [www.namqa.org](http://www.namqa.org) and the Namibia Training Authority on [www.nta.com.na](http://www.nta.com.na).

### **Elements and Performance Criteria**

#### **Element 1. Demonstrate knowledge of the economic and social contribution of crop agriculture in Namibia**

##### **Range**

The economic contribution of crop agriculture includes its national performance as a component of gross domestic product (GDP) in comparison to other sub-sectors of agriculture and in comparison to the main sectoral contributors to GDP; and its contribution by region and divided into the formal and informal economic sectors of the economy.

The social contribution of crop agriculture includes description of how the social fabric of the nation is integrated with and dependent on crop production.

##### **Performance Criteria**

- 1.1 The economic contribution of the sub-sector crop agriculture is quantified as a component of the overall contribution of agriculture to Namibia's GDP and regional production.
- 1.2 Regulations of the Namibian Agronomic Board, the Ministry of Agriculture, Water and Forestry and other authorities relevant to crop agriculture are described and their impact explained.
- 1.3 The social contribution of crop agriculture to family, regional and national life is explained.

#### **Element 2. Demonstrate knowledge of economically important crops in Namibia and their components**

##### **Performance Criteria**

- 2.1 The crops produced in Namibia and globally important crops are identified at significant stages of growth.
- 2.2 The useful or economically important parts of crops are identified.

2.3 Uses of crops and crop parts are named.

**Element 3. Describe crop adaptations to agro-ecological zones, seasons and water needs**

**Performance Criteria**

- 3.1 The agro-ecological zones of Namibia are described.
- 3.2 Crops are classified by their adaptation to agro-ecological zones and seasons.
- 3.3 Crops are classified by their ability to be grown as rainfed crops or irrigated.

**Element 4. Demonstrate knowledge of crop production systems in Namibia**

**Range**

Crop agriculture should be considered as a whole and may include (but is not limited to): small-scale commercial, large-scale commercial, 'emerging commercial', extensive production systems, intensive production systems, dry-land, irrigated, horticultural and subsistence, corporate and individual.

The definition of '*Farming as a business*' will clarify the differences between agricultural production for auto-consumption (subsistence farming) and agricultural production for market and profit.

**Performance Criteria**

- 4.1 Crop production systems in use in Namibia are described.
- 4.2 Farming as a business is defined.

**Registration Data**

<b>Subfield:</b>	Agronomy and Horticulture
<b>Date first registered:</b>	25 November 2015
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<b>Body responsible for review:</b>	Namibia Training Authority