

		Unit ID:	1327
Domain	FARM BUSINESS		
Title:	Demonstrate an understanding of basic economic principles of farming		
Level: 2	Credits: 4		

Purpose

This unit standard specifies the competencies required to:

- Demonstrate basic knowledge on the production potential of farm land
- Demonstrate basic knowledge on establishing an agricultural production enterprise.

This unit standard is intended for people working in agriculture.

Special Notes

1. Entry information:

Prerequisite:

- *Unit 1153 - Apply basic numeracy skills in a workplace environment*
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. 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
 - Animal Health Act 2011
 - Animal Protection Act of 1962
 - Prevention of Undesirable Residue in Meat Act, 1991
 - FANMeat standards for producers 2010
 - Fertilisers, farm feeds and agriculture and stock remedies Act No. 46, 1998
 - Stock Theft Act 1990
 - Animal disease and parasite act No. 10 2005
 - Biosafety Act No. 7 of 2006
 - Water Resources Management Act No. 24, 2004
 - Environmental Management Act No. 7, 2007

- Communal Land Reform Act No. 5, 2002
- Environmental Management and Assessment Bill 2004
- National Policy on Human and Wildlife Conflict Management, 2009
- Desertification and Biodiversity Policy March 2005
- Proposed Climate Change Policy October 2009
- 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.na and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1. Demonstrate basic knowledge on the production potential of farm land

Range

Methods for establishing land area size include but are not limited to using GPS, paper and computer generated maps, manual field and area measurements using tape measures or walking strides.

Production parameters include but are not limited to soil, water, rainfall, climate, elevation, natural vegetation and landscape.

Agricultural production opportunities include but are not limited to field crop production, vegetable production, tree (timber and fruit tree) and indigenous forest product production, forage production, game and livestock farming, irrigated and dry-land farming.

Risks may include but are not limited to conflicts, policy changes, land degradation, disease outbreaks, changes in markets and natural disasters.

Performance Criteria

- 1.1 Land area is determined using appropriate methods.
- 1.2 Production parameters of defined areas of land are identified and their potential described.
- 1.3 Land is assessed according to potential agricultural production opportunities and risks.

Element 2. Demonstrate basic knowledge on establishing an agricultural production enterprise

Range

Investment requirements include but are not limited to financial resources for infrastructure, machinery, equipment, animals, and production inputs.

Performance Criteria

- 2.1 Selection criteria for the selection of a particular agriculture enterprise are explained.
- 2.2 Investment requirements for agricultural enterprises are explained.
- 2.3 Principles of using loans for agricultural production are explained.
- 2.4 Agricultural productivity and the relationship between inputs for agriculture and outputs is explained.
- 2.5 Income and production costs are calculated according to basic farm accounting procedures.
- 2.6 The principle of re-investing surplus for farm enterprise growth is explained

Registration Data

Subfield:	Farm Management
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