

Domain	ANIMAL HUSBANDRY	Unit ID:	1349
Title:	Carry out basic animal health maintenance		
Level: 2			Credits: 4

Purpose

This unit standard specifies the competencies required to:

- Describe animal health and deviations
- Prepare for animal health treatment
- Apply drugs and treatments under supervision
- Complete animal health treatments.

This unit standard is intended for people working in agriculture and other occupations working with farm animals.

Special Notes

1. Entry information:

Prerequisites:

- *Unit 1354 - Demonstrate knowledge of basic anatomy and physiology of farm animals*
- *Unit 1357 - Handle farm animals*

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. Assessment of practical application to carry out basic health maintenance on farm animals is demonstrated on at least one livestock species as relevant to this unit standard.

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

7. Glossary of terms

- '*Safety requirements*' may include but not limited to safe systems and procedures for handling livestock, hazard and risk control, operating livestock handling equipment, safe use of hand tools and equipment, manual handling procedures, application and storage of hazardous substances, maintaining personal hygiene, outdoor work and the use of personal protective equipment.
- '*Hazards*' may include but are not limited to animal movement and handling, obstacles, veterinary chemicals, damaged infrastructure, solar radiation, slippery

and uneven surfaces, electricity, sharp tools, unsafe and damaged equipment and machinery and loose clothing.

- '*Personal protective equipment (PPE)*' may include but is not limited to clothing and footwear that prevents feet crushing, skin abrasions and tangles in machinery, helmet, gloves, protective eye wear, hearing protection, respirator, face mask and sun protection.
- '*Health treatments*' may include but are not limited to giving injections, drenching, applying disinfectants, dipping, collecting faecal samples, checking vulvas, ears and eyes, teeth, udders and feet, trimming hooves and nails and administering vitamins and trace elements.
- '*Livestock*' may include sheep, cattle, goats, pigs, chicken and support animals.
- '*Workplace procedures*' may include but not limited to work notes, farm management plans, product labels, manufacturer's specifications, operator's manuals, safety plans, fire control, waste disposal, recycling, re-use guidelines and supervisors oral or written instructions.
- '*Drugs*' may include but are not limited to all veterinary remedies which may legally be applied by non-veterinary personnel, such as vaccines, dips, disinfectants, sprays and other medicines.
- '*Treatments*' may include but are not limited to applications which may legally be administered by non-veterinary personnel such as injections, dipping, drenching, spraying, pour-on, dosing, disinfecting and scarification.

8. Regulations and legislation relevant to this unit standard includes but are not limited to 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
- 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
- Environmental Management and Assessment Bill 2004
- Pollution Control and Waste Management Bill, 2003 3rd draft
- 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.namwa.org.na and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1. Describe animal health and deviations

Range

“Abnormal behaviour and condition” include but are not limited to fatigue, lack of appetite or gross signs of disease and abnormalities as well as parasite infestations.

“Equipment and techniques” to inspect animals may include but not limited to visual observations, thermometers and weighing scales.

Performance Criteria

- 1.1 Safety requirements are followed according to work place safety plans and policies.
- 1.2 Hazards for people and animals are identified, risks assessed and risk controls are implemented according to workplace procedures.
- 1.3 Personal Protective Equipment (PPE) is selected, used and maintained according to workplace procedures.
- 1.4 Condition and health status of livestock is assessed according to workplace procedures using appropriate equipment and techniques.
- 1.5 Animals showing abnormal behaviour and condition are identified, recorded and reported according to workplace procedures.

Element 2. Prepare for animal health treatment

Range

Tools and equipment may include but are not limited to syringes, automatic vaccinators, measuring containers, sprayers, dressing and other materials routinely used in basic preventative and curative disease and parasite control.

Suitable handling facilities may include but are not limited to appropriate holding facilities, crush pens, areas where neck clamps can be used, holding boxes in appropriate proximity to animals and with weather protection for animals and people.

Preparation of animals includes calming, cleaning and positioning animals for treatment.

Performance Criteria

- 2.1 Safety requirements are followed according to work place safety plans and policies.
- 2.2 Hazards for people and animals are identified, risks assessed and risk controls are implemented according to workplace procedures.
- 2.3 Suitable personal protective equipment is selected, used and maintained according to industry standards.

- 2.4 Drugs and treatments are prepared under supervision and according to work place procedures.
- 2.5 Tools and equipment are checked and prepared under supervision according to workplace procedures.
- 2.6 Treatment sites are prepared according to workplace procedures.
- 2.7 Animals to be treated are restrained and prepared for treatment according to workplace procedures.

Element 3. Apply drugs and treatments under supervision

Effects include basic knowledge of anticipated impact, recovery periods and symptoms.

Performance Criteria

- 3.1 Demonstrate knowledge of basic animal drugs, their application and effects.
- 3.2 Apply drugs and treatments under supervision using correct procedures and equipment according to workplace procedure.

Element 4. Complete animal health treatments

Range

Post treatment areas may include but are not limited to areas where animals are allowed adequate time to settle, mother-up or recover in isolation and under supervision.

Animal waste may include, but is not limited to skin, hairs, testes and blood, as well as dead animals.

Adverse reactions may include but are not limited to rapid breathing, trembling, salivation, high fever, anxiety, bloat, diarrhoea and sudden collapse.

Performance Criteria

- 4.1 Animal identification and treatments and are recorded according to workplace procedures.
- 4.2 Animals are moved to post treatment areas according to workplace procedures.
- 4.3 Animal carcasses and treatment residues are disposed of according to workplace procedures.
- 4.4 Equipment and facilities are cleaned, maintained and faults or malfunctions are reported according to workplace procedures.
- 4.5 Equipment is stored according to workplace procedures.
- 4.6 Remaining animal health remedies are stored and/or disposed of according to workplace procedures.

- 4.7 Animals are monitored for infection, adverse reaction and other complications resulting from the treatment procedure and reported according to workplace procedures.
- 4.8 Sick and non-viable animals are quarantined and reported according to regulations and workplace procedures.

Registration Data

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