

Domain Title: Level: 3	ANIMAL HUSBANDRY Maintain Livestock Health	Unit ID: 1366 Credits: 5
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Purpose

This unit standard specifies the competencies required to:

- Implement preventative health plan
- Supervise handling, storage and application of drugs
- Maintain medical kit
- Coordinate post treatment procedures.

This unit standard is intended for people working in agriculture and other occupations who handle livestock.

Special Notes

1. Entry information:

Prerequisites:

- *Unit 1354 - Demonstrate knowledge of basic anatomy and physiology of farm animals*
- *Unit 1349 - Carry out basic animal health maintenance*
- *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 maintain livestock health is demonstrated on at least one ruminant and one non-ruminant 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 are not limited to safe systems and procedures for handling livestock, hazard and risk control, safe use of hand tools and equipment, manual handling, outdoor work and the use of personal protective equipment.

- '*Hazards*' for people may include but are not limited to livestock movement and handling, livestock handling facilities, manual handling, solar radiation, noise, dust, equipment and tools, moving machinery and vehicles.
- '*Personal protective equipment (PPE)*' may include but is not limited to boots, overalls, gloves, protective eyewear, hearing protection, respirator or face mask and sun protection.
- '*Supervise basic health treatments*' may include but is not limited to ensuring correct type, dosage and application of drugs, usage and calibration of application equipment according to manufacturing guidelines. It includes observing and evaluating workmanship, giving instructions, practical demonstrations and taking corrective actions
- '*Coordinate*' includes but is not limited to planning and organising people for specific activities and tasks, which may take place sequentially or simultaneously, in order to achieve the desired outcomes.
- '*Livestock*' may include but are not limited to sheep, cattle, goats, pigs, horses, donkeys, poultry and support animals.
- '*Workplace procedures*' may include but are not limited to work 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.

8. 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
- 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.namqa.org.na and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1. Implement preventative health plan

Range

Preventative health plan may include but is not limited to routine monitoring of animal health, routine immunisation, and parasite control when necessary.

Parasites include both internal and external parasites that are prevalent in the specific farming region.

Routine inspections include but are not limited to collecting faecal sample to determine parasite infestation, check eyes, determine level of tick infestation, observe abnormal tail movement and other abnormal behaviour and observe for nasal discharge.

Performance Criteria

- 1.1 Safety requirements are followed in accordance with 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 Suitable personal protective equipment (PPE) is selected, used and maintained according to industry standards.
- 1.4 Symptoms of most common notifiable diseases are described.
- 1.5 Routine animal health inspection is carried out according to workplace procedures.
- 1.6 The preventative health plan is understood.
- 1.7 Implementation of preventative health plan is coordinated, monitored and supervised according to regulation and workplace procedures.
- 1.8 The requirement for specialist advice and/or treatment is explained.

Element 2. Supervise handling, storage and application of drugs

Range

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

Veterinary remedies may include but are not limited to vaccines, antibiotics, disinfectants, parasite control substances.

Administration of veterinary remedies include but are not limited to injection (intravenous, subcutaneous and intra-muscular), drenching, applying disinfectants and dipping, using appropriate equipment.

Personal protective equipment may include but is not limited to boots, overalls, gloves, protective eyewear, hearing protection, respirator or face mask and sun protection.

Performance Criteria

- 2.1 Suitable personal protective equipment is selected, used and maintained according to industry standards.
- 2.2 Preparation of treatment and handling facility is coordinated according to workplace procedures.
- 2.3 Health maintenance equipment is checked, sterilised, calibrated and used according to manufacturer's specifications.
- 2.4 Veterinary remedies are inspected for availability and suitability.
- 2.5 The preparation, handling and administration of veterinary remedies according to manufacturers' specifications is coordinated and supervised.
- 2.6 Veterinary remedies are stored according to manufactures and workplace procedures.
- 2.7 Veterinary remedy stock control is carried out to ensure timely procurement according to workplace procedures.

Element 3. Maintain medical kit

Range

The medical kit may include but is not limited to syringes, needles, gloves, stomach tubes, scissors, stitching needles, thread, sampling containers, liquid paraffin, emergency veterinary remedies, drenching gun, pour-on applicators, surgical kit, rectal thermometer, embryonic wire, stethoscope and spray bottles.

Performance Criteria

- 3.1 The medical kit is inspected routinely for completeness and functionality according to workplace procedures.
- 3.2 Malfunctioning and missing equipment is repaired or replaced according to workplace procedures.
- 3.3 Stock control of veterinary remedies in the medical kit is carried out to ensure timely replacement according to workplace procedures.

Element 4. Coordinate post treatment procedures

Range

Post-procedural monitoring may include but is not limited to haemorrhage infection and fly strike shock.

Animals are prepared and moved includes but is not limited to allowing young animals adequate time to settle, mother-up, prior to moving them in controlled and calm manner on a planned route.

Withdrawal periods may include but not limited to periods before slaughter and milking.

Performance Criteria

- 4.1 Storage of tools, equipment and materials is coordinated.
- 4.2 Post-treatment monitoring of animals is carried out and adverse situation addressed according to workplace procedures.
- 4.3 Withdrawal periods are adhered to according to manufacturer's specifications.
- 4.4 Keeping records of treated animals is coordinated and monitored.

Registration Data

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