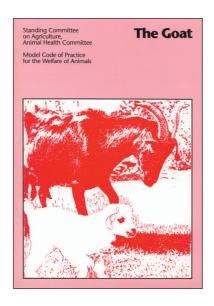
# Standing Committee on Agriculture, Animal Health Committee

## Model Code of Practice for the Welfare of Animals

## The Goat





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Standing Committee on Agriculture, Animal Health Committee Model Code of Practice for the Welfare of Animals

### **The Goat**



SCA Technical Report Series – No. 32

#### National Library of Australia Cataloguing-in-Publication

Australian Agricultural Council. Sub-Committee on Animal Welfare The Goat ISBN 0 643 05120 1 (paperback) ISBN 0 643 06938 0 (online)

- 1. Goats Australia. 2. Animal Welfare Australia
- 1. CSIRO. II. Title. (Series: Model code of practice for the welfare of animals).

636.39080994

First published 1991 (paperback)

© CSIRO Australia 1991

First published online 2003

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Publisher
CSIRO Publishing
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#### **Preface**

The Model Codes of Practice for the Welfare of Animals have been prepared by the Sub-Committee on Animal Welfare (SCAW) for Animal Health Committee (AHC), for Standing Committee on Agriculture (SCA).

Membership of SCAW comprises representatives from State and Federal Departments with responsibility for agriculture and/or animal welfare, CSIRO and other relevant committees within the SCA system. Extensive consultation takes place with industry and other animal welfare groups in the development of the Codes.

This Model Code of Practice was endorsed by the Australian Agricultural Council (AAC) as a national code at its 132nd meeting in July 1989.

The Codes are intended as models to enable the States to develop codes of practice to meet their individual needs. The Model Codes of Practice which have been endorsed by AAC are:

The Pig

The Domestic Fowl

Road Transport of Livestock

Rail Transport of Livestock

Air Transport of Livestock

Livestock and Poultry at Slaughtering Establishments

Sea Transport of Livestock

Animals at Saleyards

The Goat

The Sheep

Intensive Husbandry of Rabbits (revised)

The Farming of Deer

Destruction or capture, Handling and Marketing of

Feral Livestock Animals

The Model Codes may be revised to take account of advances in the understanding of animal physiology and behavioural technology changes in animal husbandry and their relationships to the welfare of animals.

It should not be inferred that any husbandry practice not mentioned in this Code has automatic acceptability.

It aims to achieve humane husbandry throughout all types of goat enterprise. Assistance and specific advice on management and disease control in goats should be obtained from qualified advisers, whose services are available through government and private agencies.

The importance of sound animal husbandry principles cannot be over-emphasised as an essential ingredient to meet the welfare requirements of animals. This Code outlines sound goat husbandry practices, but is not prescriptive because good

stockhandlers need to be flexible in their approach to caring for their animals.

The recommendations in this Code are appropriate to goats under all production systems and their observance will help to ensure that the welfare of the stock is safeguarded. Amongst the most important factors affecting welfare in a herd are the behaviour and attitude of the manager.

The basic requirements for the welfare of goats are:

- (i) A level of nutrition adequate to sustain good health and vigour.
- (ii) Access to sufficient water of suitable quality to meet physiological needs.
- (iii) Social contact with other goats, with sufficient space to stand, to lie down and stretch their limbs.
- (iv) Protection from predation.
- (v) Protection from pain, injury and disease.
- (vi) Protection from extremes of climate which may be life-threatening.
- (vii) Provision of reasonable precautions against the effects of natural disasters, eg. firebreaks and fodder storage.
- (viii) Handling facilities which under normal usage do not cause injury and which minimise stress to the goat.

There are many goat owners with only a small number of animals, from one to a small herd. Such animals present special circumstances, including tethering and access to garden plants. These have been borne in mind when compiling the code.

#### Other Publications in this Series

Model Code of Practice for the Welfare of Animals  — The Farming of Deer	1990
Model Code of Practice for the Welfare of Animals  — The Sheep	1990
Model Code of Practice for the Welfare of Animals  — Animals at Saleyards	1990
Model Code of Practice for the Welfare of Animals  — The Destruction or Capture, Handling and Marketing of Feral Livestock Animals	1990
Model Code of Practice for the Welfare of Animals  — Intensive Husbandry of Rabbits	1990

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#### Introduction

This Code is intended as a guide for all people responsible for the welfare and husbandry of goats.

Goats are kept in situations which vary from extensive grazing to close confinement and housing. Whatever the form of husbandry, owners and managers of goats have a responsibility to care for the welfare of the animals under their control.

The basic behavioural, anatomical and physiological needs of goats are considered in this document, irrespective of the method of husbandry practiced.

The importance of competent stockmanship in animal welfare cannot be overemphasised. The important skill of a competent stockman is the ability to recognise the early signs of distress or disease in goats so that the cause can be identified, and prompt, appropriate, remedial action taken.

The basic requirements for the welfare of goats are:

- (i) Food and water to sustain health and vitality.
- (ii) Sufficient space to provide freedom to stand, lie down, stretch, turn around and groom themselves.
- (iii) Protection from predation.
- (iv) Protection from disease, including disease that can be exacerbated by management.
- (v) Protection from extremes of climate during certain phases of their life.
- (vi) Protection from pain, suffering and injury.

#### 1. Food

- 1.1 The food available to goats should meet the requirements of maintenance, growth, pregnancy, lactation and fibre production, and any extra demands such as exercise or cold stress.
- 1.2 The stocking rates of goats on pure pasture should not exceed the recommended rates for sheep on such pasture.
- 1.3 If browsing is available, it may be possible to increase the stocking rate. The feed quality of scrub is often very low. Goats are selective feeders and will not thrive or produce on poor quality feed.
- 1.4 If only browsing is available, its height must be such that it is within reach of younger kids.
- 1.5 Feral goats require a conditioning period to adjust from browsing scrub under range conditions to grazing pasture under intensive conditions, to allow them to change feeding habits and for their gut flora to change appropriately.
- 1.6 Goats should be protected as far as possible from foods and materials deleterious to their health. (e.g. many ornamental plants are toxic.)

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#### 2. Water

2.1 Clean, potable water should be readily accessible to goats.

- 2.2 The amount of water drunk depends upon the dry matter content of feed eaten and surface moisture available from rain or dew, body weight of goats and production level, especially of lactating goats. A goat in full lactation may consume up to 10 litres of water per day; this intake may double if the temperature exceeds 40°C.
- 2.3 Water quality (salinity, taste, temperature) can adversely affect intake. Goats may adapt to high salt levels (> 5000 mg/L) but generally prefer saline levels less than 2000 mg/L.

#### 3. Drought

- 3.1 Drought may be defined as a severe rainfall shortage which leads to deficiency in water and/or feed supply for grazing goats. Drought is *not* the normal seasonal shortage of feed.
- 3.2 Goats being fed for survival should be examined at feeding times. Less thrifty goats may require segregation for special treatment.
- 3.3 Where provisions for health and vitality cannot be met, goats should be moved, agisted, sold or slaughtered on site.
- 3.4 Drought-affected goats which are unable to rise and walk should be destroyed humanely on site.
- 3.5 Drought-affected goats which go down after limited exercise are NOT fit to travel. They should be fed to improve condition to enable them to travel or, alternatively, be slaughtered humanely on site.
- 3.6 Drought-affected goats still able to walk but in an emaciated condition, and for which supplementary feed or agistment is not available, should be sent directly to a knackery, rendering works or abattoir, as close as possible to their on-farm location, or slaughtered humanely on site. They should not be consigned to saleyards.
- 3.7 Drought-affected goats should be protected against exposure to extremes of temperature and weather. Vehicles transporting drought-affected goats should be designed to give adequate cooling in hot weather and protection against cold, wet conditions.

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#### 4. Protection From Climatic Extremes and Predation

- 4.1 Goats are sensitive to extremes of weather and all reasonable steps should be taken to minimise the effects of climatic extremes and other factors that produce either cold stress or heat stress.
- 4.2 Goats are vulnerable to cold stress, especially off-shears or when in low body condition, or during continuous rain when in full fleece. They require the provision of effective shelter or good natural shelter.
- 4.3 Steps should be taken to ensure that, as far as practicable, goats can be attended to promptly in the event of fire, flood, injury or disease.
- 4.4 Reasonable precautions should be taken to protect goats from predation. The use of electric fencing should be considered.

#### 5. Intensive Goat Systems – Housing and Accommodation

- 5.1 Feedlots and feed pads should provide sufficient space for each goat to be able to stand, turn around, stretch, lie down and move to feed and water.
- 5.2 The design, location and construction of feedlots and feed pads should take account of topography, climate, age and size of animal, space and feed requirements, and labour and management skills available.
- 5.3 Tethered and confined goats should have enough space to be able to lie down, stretch, stand up and to exercise. They should have access to shelter, food and water. Tethering is not recommended unless there is constant supervision of the goats.
- 5.4 In some States, the provision of shelter for tethered goats is a legal requirement.
- 5.5 Sheds or arks (mobile sheds) provided for tethered goats should be of sufficient size to allow the animal to stand up, turn around and lie down.
- 5.6 Goats should not be permanently tethered by lengths less than 4 body lengths, unless selective veterinary therapy under shorter tether is prescribed, or for show, display or approved experimentation purposes.
- 5.7 Collars, ropes, chains and similar materials used for tethering of goats should be constructed and used so as to avoid injury and pain.
- 5.8 In the case of housed goats, ventilation, whether mechanical or natural, should assist in the removal of environmental heat, moisture, dust, carbon dioxide and other noxious gases and airborne infectious organisms, and replace these with fresh air. This air should be distributed in a manner appropriate to the location of the stock and the design of the building.

#### 6. Goat Handling Facilities

- 6.1 Sheds, pens, yards, lanes, loading ramps, dips and areas where goats are forced to congregate should be so constructed and maintained and of such a size as to minimise the risk of injury, disease and overcrowding.
- 6.2 Floors of yards, sheds, pens and loading ramps should have a surface that is not slippery and which facilitates cleaning.
- 6.3 Uneven or steeply sloping surfaces greatly increase the risk of falling because goats often display defensive reflexes when confronted with such situations and may make sudden erratic movements.
- 6.4 Goats should spend as little time as management practices allow confined in yards, so as to minimise chances of injury. Handling of goats in small groups, particularly kids and heavily pregnant does, will minimise injury in yards.
- 6.5 Special facilities should be available to permit adequate restraint of goats which require inspection or treatment because of illness or injury.
- 6.6 Goats should be caught and restrained with care. Horned goats may be restrained by holding the horn at its base, *not* at its tip, as this may cause the horn to break.
- 6.7 Goats should be picked up bodily, not by their horns or hair.

#### 7. Management Practices

#### 7.1 General

- (i) Practices that cause pain should not be carried out on goats if painless and practical methods of husbandry can be adopted to achieve the same result.
- (ii) Any injury, illness or distress observed should be promptly treated.
- (iii) Management procedures carried out on goats should be competently performed.
- (iv) Restraint used on goats should be the minimum necessary to perform procedures efficiently.
- (v) Hygienic precautions should be undertaken for all operations.
- (vi) Pregnant does are susceptible to stress-induced abortion. Animal husbandry practices should induce minimal stress, whether from extreme climatic conditions, mustering, handling, prolonged transportation or nutritional factors.

#### 7.2 Supervision

- (i) Frequency and level of inspection should be related to the likelihood of welfare problems of goats.
- (ii) Goats kept under intensive management should be inspected, fed and watered daily.
- (iii) Goats grazing under more extensive conditions require variable supervision, according to density of stocking, availability of suitable feed, reliability of water supply, age and pregnancy status.
- (iv) Agreements relating to leased land and agistment should specify who has the responsibility of supervising stock.

#### 7.3 Castration

- (i) Castration should be carried out on kids as early as management practices allow, preferably before 2 months of age.
- (ii) Surgical castration without the use of anaesthesia should be confined to bucks under two months of age.

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#### 7.4 Disbudding, Dehorning and Horn Trimming

- (i) Disbudding of kids should be by heat cautery only. The entire horn bud must be removed and the operation must be performed as soon as the bud can be located. Regrowth of horn occurs very readily, so kids should be checked two to three weeks after disbudding.
- (ii) Disbudding by means of chemicals is not recommended.
- (iii) Dehorning (as distinct from disbudding) should only be performed under general anaesthesia or narcosis.
- (iv) Dehorning should only be performed by an experienced operator or by, or under the supervision of, a veterinary surgeon.
- (v) Horn trimming or the removal of sharp horn points is recommended to minimise injury to other goats. It should be performed so as to avoid bleeding and ensure that no sharp horn projections remain after the procedure.

#### 7.5 Milking Practices - Dairy Goats

- (i) Lactating dairy goats in full lactation should not be left for more than 24 hours without relief by milking.
- (ii) Careful management of the milking operation and proper milking machine function directly influence longevity of lactation, total production and prevalence of mastitis in dairy goats. Milking machines should be checked and, if necessary, adjusted by a competent technician at least annually.

#### 7.6 Shearing

- (i) It is normal practice to shear fibre goats at least once each year. The procedure should be performed by a competent operator and care should be taken to prevent injuries.
- (ii) Shearing stress should be kept to a minimum by avoiding undue yarding and travelling procedures, avoiding exposure to adverse weather and by providing access to feed and water if animals are confined for more than 24 hours.
- (iii) It is desirable that goats are provided with access to effective shelter or good natural cover after shearing. The critical period is the first six weeks post-shearing, depending on body condition and seasonal weather conditions.

7.7 Health

### (i) Appropriate preventive treatment should be administered to goats for diseases that are common in a district or are occurring in a goat herd.

- (ii) Suitable methods of administration of vaccines and medication should be employed.
- (iii) Parenteral medicines, such as vaccines and other injectables, internal medication, such as vaccines and drenches, and external medication, such as dips and pour-on formulations, should be given in strict accordance with the manufacturers' instructions. Any medication which does not bear specific instructions for treatment of goats should only be used on veterinary advice.
- (iv) Sick, injured or diseased goats should be given prompt and appropriate treatment or be slaughtered. Separation of such goats from non-affected goats is recommended until the condition resolves. When emergency slaughter is necessary, it should be performed on the farm in an humane manner.
- (v) Difficult kiddings should be diagnosed promptly and does assisted only by a skilled and competent operator or by, or under the supervision of, a registered veterinary surgeon.
- (vi) When does are producing more milk than is required by their kids, they should be hand-milked to relieve udder pressure.
- (vii) Hoof trimming should be performed if necessary to remove over-growth of horn.

#### 8. Identification

- 8.1 Ear tagging, ear marking, ear notching and ear tattooing are the preferred methods of identifying goats.
- 8.2 Branding by any means should not be performed.

#### 9. Mustering, Driving, Yarding and Drafting

- 9.1 Goats should not be driven to the point of collapse.
- 9.2 The use of goading devices and dogs for the handling and moving of goats should be limited to the minimum necessary to complete the procedures.

#### 10. Humane Destruction of Goats

- 10.1 Goats should be humanely destroyed using the behind-the-horns method. The captive-bolt pistol or firearm should be directed to the skull behind the horns in the line with the animals mouth (See Figure 1).
- 10.2 Kids may also be shot from the front, as for cattle, directing the shot at a point of intersection of lines taken from the base of each ear to the opposite eye (See Figure 2). This method is *not* suitable in mature goats as the brain is located well back in the skull compared with other livestock.
- 10.3 Destruction by severance of the throat and spinal cord is satisfactory if performed by an experienced operator, but should only be performed if a captive bolt pistol or firearm is not available.

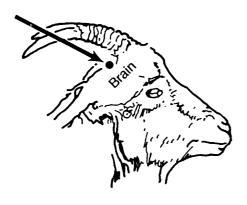






Figure 2.