

Demonstrate knowledge of meat production

Level 4

Credits 7

Purpose People credited with this unit standard are able to: describe the aspects of markets for New Zealand meat which affect meat production; and to demonstrate knowledge of the relationship between animal characteristics and growth in meat-producing animals, the role of feed in meat-producing animals, and key health and welfare requirements which affect the production of meat-producing animals.

Subfield Agriculture

Domain Farming Skills

Status Registered

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Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.

Standard setting body (SSB) Primary Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0052

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special notes

None.

Elements and performance criteria

Element 1

Describe aspects of markets for New Zealand meat which affect meat production.

Range at least one of – beef, mutton, lamb, venison, pork.

Performance criteria

- 1.1 Major cuts of meat are described in terms of domestic and international consumer requirements.
- 1.2 Payment systems are described in terms of the grading system indicating market trends to farmers.
- 1.3 A meat schedule and its seasonal shifts are described in terms of the relevance to livestock management practices.

Element 2

Demonstrate knowledge of the relationship between animal characteristics and growth in meat-producing animals.

Performance criteria

- 2.1 The relationship between the breed of meat-producing animal and its effect on growth rate, mature weight, and conformation of the species is described.
Range evidence is required for at least two breeds.
- 2.2 Heterosis is described in terms of its effect on growth rate, mature weight, and conformation of a species.
- 2.3 Presence of testosterone in animals is described in terms of its effect on growth rate, mature weight, and conformation.
Range female, castrated, cryptorchid, entire.

Element 3

Demonstrate knowledge of the role of feed in meat-producing animals.

Performance criteria

- 3.1 Feeding levels are described in terms of their effect on animal performance.
Range lactating mother, at weaning, post-weaning.

- 3.2 Grazing systems and pasture species are described in terms of their effect on animal production.
- Range evidence is required for at least two grazing systems, and four pasture mixes.
- 3.3 Transition between different feed types is described in terms of its effect on animal production.
- Range feeds include but are not limited to – pasture, grain, brassica, hay, silage.
- 3.4 Total quantity of feed required to achieve liveweight gain targets is calculated for identified growth rates, at different feeding levels.
- Range feeding levels of – maintenance plus 10%, maintenance plus 25%, maintenance plus 40%.

Element 4

Demonstrate knowledge of key health and welfare requirements which affect the production of meat-producing animals.

Performance criteria

- 4.1 An animal health programme is described which optimises growth rate.
- Range includes but is not limited to – control of internal parasites; prevention of pulpy kidney; minimising intake of endophytes; provision of mineral supplements as required – B12, Cobalt, Selenium, Copper, Magnesium, Nitrates.
- 4.2 The influences of water quality and quantity are described in terms of their contribution to the achievement of target weights.
- 4.3 Forms of shelter are described in terms of those which have positive and negative implications for achieving target weights.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.