

## Achievement Standard

**Subject Reference** Agricultural and Horticultural Science 1.6

**Title** Demonstrate knowledge of livestock management practices

**Level** 1      **Credits** 5      **Assessment** External

**Subfield** Science

**Domain** Agricultural and Horticultural Science

**Status** Registered      **Status date** 17 December 2010

**Planned review date** 31 December 2020      **Date version published** 20 November 2014

This achievement standard involves demonstrating knowledge of livestock management practices.

### Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> <li>Demonstrate knowledge of livestock management practices.</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate in-depth knowledge of livestock management practices.</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrate comprehensive knowledge of livestock management practices.</li> </ul>

### Explanatory Notes

1 This achievement standard is derived from *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007, and based on the outcomes in the *Teaching and Learning Guide for Agricultural and Horticultural Science*, Ministry of Education, 2010 at <http://seniorsecondary.tki.org.nz/>.

2 *Demonstrate knowledge* involves describing livestock management practices and related structural features and functions, and/or agricultural concepts.

*Demonstrate in-depth knowledge* involves explaining why livestock management practices or steps within practices are carried out. The explanation includes an understanding of related structural features and functions, and/or agricultural concepts.

*Demonstrate comprehensive knowledge* involves applying knowledge of livestock management practices to given situations. This includes comparing and contrasting or justifying management practices.

- 3 *Livestock management practices* are those related to feeding, breeding and health that affect livestock production.
- 4 Structural features and functions, and/or agricultural concepts relating to:
- feed management practices may include digestive systems (ruminant and non-ruminant); the nutritional value of feeds; digestibility; and feed requirements of maintenance, growth, pregnancy and lactation
  - breeding management practices may include reproductive systems and basic genetics eg simple Mendelian genetics, variation, selection, artificial breeding of cattle
  - health management practices may include the scientific principles of disease prevention and control eg quarantine, building resistance, early treatment.
- 5 Assessment Specifications for this achievement standard can be accessed through the Agricultural and Horticultural Science Resources page found at [www.nzqa.govt.nz/ncea/resources](http://www.nzqa.govt.nz/ncea/resources).
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### Quality Assurance

- 1 Providers and Industry Training Organisations must have been granted consent to assess by NZQA before they can register credits from assessment against achievement standards.
- 2 Organisations with consent to assess and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.

Consent and Moderation Requirements (CMR) reference

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