

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 2014 **Date version published** 17 December 2010

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"> Demonstrate knowledge of livestock management practices. 	<ul style="list-style-type: none"> Demonstrate in-depth knowledge of livestock management practices. 	<ul style="list-style-type: none"> Demonstrate comprehensive knowledge of livestock management practices.

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.
-

Quality Assurance

- 1 Providers and Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against achievement standards.
- 2 Accredited providers and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.

Accreditation and Moderation Action Plan (AMAP) reference

0233