

Title	Demonstrate knowledge of anaerobic silage processes prior to harvesting		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to demonstrate knowledge of anaerobic silage processes prior to harvesting.
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Classification	Rural Contracting > Agricultural Contracting
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant legislative and industry requirements.
- 2 Legislation and references relevant to this unit standard include:
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991; available from www.legislation.govt.nz;
 - and all subsequent amendments and replacements.
- 3 Definition
Industry requirements refer to but are not limited to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of anaerobic silage processes prior to harvesting.

Performance criteria

- 1.1 The desirable dry matter content (DM%) to make desirable silage is identified.
- 1.2 Establishment of good silage fermentation is explained in terms of basic process and critical factors.
- 1.3 Factors that can create a poor silage result are explained in terms of their adverse effect.

Range low DM%, high DM%, contaminants, inadequate compaction, air exposure.

- 1.4 The critical factors for long-term storage security are identified.
- 1.5 Ensiled material testing is explained in terms of timing, qualities to be tested, and predictability for total food value.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 June 2007	31 December 2016
Review	2	16 July 2015	31 December 2023
Review	3	26 August 2021	N/A

Consent and Moderation Requirements (CMR) reference	0101
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.