

Title	Demonstrate knowledge of the environmental requirements and control systems for poultry		
Level	3	Credits	10

Purpose	<p>This unit standard is for people working in a poultry production context.</p> <p>People credited with this unit standard are able to demonstrate knowledge of: ventilation and air quality requirements, and their control systems; the lighting requirements of, and lighting systems and programmes; and the requirements of floor litter, and management control processes, for poultry.</p>
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Classification	Poultry Production > Poultry Husbandry
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Available grade	Achieved
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Guidance Information

- Legislation relevant to this unit standard includes but is not limited to:
 - Animal Welfare Act 1999;
 - Food Act 1981;
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991;
 - Food (Safety) Regulations 2002;
 - Code of Welfare: Layer Hens 2018;
 - Code of Welfare: Meat Chickens 2018;
 - and any subsequent amendments.
- Definition
Workplace procedures refer to the documented procedures for workplace practices and safety and must meet the requirements equipment manufacturer's guidelines, current legislation, and codes of welfare.
- All evidence presented in this unit standard must be in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the ventilation and air quality requirements, and their control systems, for poultry.

Performance criteria

- 1.1 Identify and describe ventilation and air quality requirements for poultry in relation to breed, age, body weight, stage of development, and stage of production.
- 1.2 Describe ventilation and air quality control systems and programmes in terms of meeting poultry requirements for optimum performance in relation to breed, age, body weight, stage of development, and stage of production.
- 1.3 Identify and describe the effects of incorrect control settings in relation to poultry performance, productivity, and health.
- 1.4 Describe emergency procedures for dealing with ventilation control systems breakdown in terms of the actions required to minimise adverse effects on poultry.

Outcome 2

Demonstrate knowledge of the lighting requirements of, and lighting systems and programmes, for poultry.

Performance criteria

- 2.1 Identify and describe lighting requirements for poultry in relation to breed, age, stage of development, and stage of production.

Range day length, light intensity, light period, colour, lighting angle.
- 2.2 Describe lighting systems and programmes in terms of meeting poultry requirements for optimum performance in relation to breed, age, stage of development, and stage of production.

Range day length, light intensity, light period, colour, lighting types, control systems, light distribution.
- 2.3 Describe day length programmes in terms of manipulation of poultry development and production.
- 2.4 Identify and describe the effects of inadequate lighting in relation to poultry development and performance.
- 2.5 Describe emergency procedures for dealing with lighting control systems breakdown in terms of the actions required to minimise adverse effects on poultry.

Outcome 3

Demonstrate knowledge of the requirements of floor litter for poultry, and management control processes.

Performance criteria

- 3.1 Identify and describe the properties of materials used for floor litter, and their bio-security requirements.

Range shavings, sawdust, shredded paper, re-used litter, storage, supply source.

- 3.2 Describe the management and control of litter from housing poultry to depopulation.

- 3.3 Describe the effects of litter deterioration and the effects on the health and wellbeing of poultry in relation to breed, age, stage of development, and stage of production.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 December 1996	31 December 2020
Revision	2	20 July 1998	31 December 2020
Revision	3	16 May 2003	31 December 2020
Review	4	15 December 2004	31 December 2020
Review	5	27 June 2019	N/A
Rollover and Revision	6	15 December 2022	N/A

Consent and Moderation Requirements (CMR) reference	0052
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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 the Muka Tangata – People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.