

Title	Demonstrate understanding of rural pest animal operations in New Zealand		
Level	3	Credits	8

Purpose	The purpose of this unit standard is to provide the rural pest animal operations industry with people who understand pest animals in New Zealand, and pest control and monitoring in New Zealand
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Classification	Pest Management > Pest Control
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Available grade	Achieved
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Explanatory notes

1 Definitions

Relevant requirements refer to:

- Workplace procedures
- *Best practice guidelines and Standard Operating Procedures (SOPs)* - guidelines and protocols as set out by industry groups such as, Environmental Protection Authority (EPA), Department of Conservation (DOC), and pest product manufacturers
- Legislation and regulations as set out by government and local bodies. Legislation includes but is not limited to: the Health and Safety at Work Act 2015, and the Animal Welfare Act 1999

Rural pest animal refers to:

- possums, rabbits, predators and avian pests
- Predator - is a generic pest term for mustelid, rodents, and feral cats

2 In the context of this unit standard, *understanding* means that there should be evidence of a learner’s thorough comprehension of a topic. A learner with a good understanding of a topic should have applied, or should be able to apply what they have learnt to a workplace situation and will be able to alter their practices to the different contexts they are applying their learning to. Assessors should be confident that the learner’s understanding is embedded in their practices and behaviour.

Outcomes and evidence requirements

Outcome 1

Demonstrate understanding of pest animal introduction to New Zealand.

Range possum, rabbit, one predator, one avian

Evidence requirements

- 1.1 Describe the pest animals' introduction into New Zealand including any reasons or causes for introduction.

Outcome 2

Demonstrate understanding of pest animal physical appearance and behaviour

Range possum, rabbit, one predator, one avian

Evidence requirements

- 2.1 Describe three distinguishing features of each pest animal
- 2.2 Describe three habitat characteristics, and two preferred food sources for each pest animal
- 2.3 Describe the day and night activity, and typical home range size of each pest animal
- 2.4 Describe two aspects of the social structure and two behavioural characteristics of each pest animal
- 2.5 Describe the visual signs of presence of each pest animal

Outcome 3

Demonstrate understanding of traps used for control of pest animals

Range traps must include two of: leg hold, kill, cage, and self-resetting traps;

Evidence requirements

- 3.1 Describe the modes of actions of traps in accordance with manufacturer's specifications
- 3.2 Describe the baits and/or lures used in each trap in accordance with relevant requirements.
- 3.3 Describe two advantages and two disadvantages for each trap type for trapping pest animals
- 3.4 Describe two situations best suited to the use of each trap in accordance with relevant requirements

Outcome 4

Demonstrate understanding of toxins or fumigants used for control of pest animals.

Range four vertebrate toxic agents or fumigants

Evidence requirements

- 4.1 Identify the target species for each toxin or fumigant.
- 4.2 Describe the modes of action for each toxin or fumigant in accordance with manufacturer’s specifications
- 4.3 Describe two best practice considerations for use of each toxin in accordance with relevant requirements

Outcome 5

Describe pest animal population monitoring in New Zealand.

Range possum, rabbit, one predator, one avian

Evidence requirements

- 5.1 Describe the purpose of pest animal population monitoring for pest management in New Zealand according to all relevant requirements
- 5.2 Describe monitoring techniques for pest animals according to all relevant requirements.
- 5.3 Describe one index of estimation of population abundance for each pest animal.

Replacement information	This unit standard replaced unit standards 20787, 20788, 20789, 20790 and 20791
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Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	17 March 2016	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>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR 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.