

<b>Title</b>	<b>Prepare for, plan, and manage the destruction of vertebrate pests by the aerial application of toxic baits</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>12</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of toxic baits suitable for aerial application, and methods for the aerial application of toxic baits; prepare and implement an operational plan for the aerial application of toxic baits; handle toxin and prepare bait; and manage and demonstrate an operational knowledge of the aerial application of toxic baits for the control of vertebrate pests.
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<b>Classification</b>	Compliance and Law Enforcement > Compliance and Regulatory Control
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to: Biosecurity Act 1993, Local Government Act 1974, Local Government Act 2002, Resource Management Act 1991, Health and Safety in Employment Act 1992, Animal Welfare Act 1999, Hazardous Substances and New Organisms Act 1996.
- 2 This unit standard is related to the control of vertebrate animal pests using registered toxins.
- 3 For the purposes of this unit standard the aircraft for aerial application can be either fixed wing or helicopter.
- 4 Definitions  
*Organisational requirements* refer to instructions to staff on policy and procedures which are documented in memo or manual format and are available in the workplace. These include the application of legislation and the implementation of the Regional Pest Management Strategy.  
*Vertebrate pests* may include but are not limited to rabbits or possums or rodents.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of toxic baits suitable for aerial application, and methods for the aerial application of toxic baits.

**Performance criteria**

- 1.1 Registered toxins available for the aerial control of specified vertebrate animal pests are identified.
- 1.2 The aerial methods for the control of target vertebrate pests are identified and are in accordance with habitat, terrain, season, and size of operation.
- 1.3 The bait preparation methods are described in terms of the target vertebrate pests.
- 1.4 The risks associated with the use of each toxin and toxin applicator are described in terms of public safety, public health, and environmental and secondary poisoning.
- 1.5 Factors influencing selection of loading area for bait loading methods are identified in terms of operational advantages and disadvantages, consent requirements, access, weather, altitude, distance from the dropping zone, operator and public security, and safety.
- 1.6 Benefits and costs of differential global positioning by satellite (DGPS) and global positioning by satellite (GPS) are compared.

**Outcome 2**

Prepare and implement an operational plan for the aerial application of toxic baits.

**Performance criteria**

- 2.1 Property inspection locates operational boundaries, hazards, livestock, water supplies, and dwellings.
- 2.2 The operational plan includes the preparation of a map identifying operational boundaries, hazards, livestock, water supplies, and dwellings.
- 2.3 The operational plan specifies the locations for the application of the toxin.
- 2.4 The plan specifies budgets and timeframes.
- 2.5 The equipment and materials required are identified and are within budgets and able to be acquired within timeframes.  

Range	may include but is not limited to – vehicles, carrot cutters, containers, safety equipment, purchase of bait, aircraft, screener.
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- 2.6 The plan specifies appropriate consents and approvals required in terms of legislative requirements, local authority requirements, and Department of Conservation and iwi approval where applicable.
- 2.7 The appropriate consents and approvals are obtained prior to the operation commencing.

- 2.8 Public and landholders' liaison and notification requirements are met in terms of local authority consent and legislative liaison and notification requirements.

### **Outcome 3**

Handle toxin and prepare bait.

#### **Performance criteria**

- 3.1 The bait is prepared and stored in accordance with organisational and legislative requirements.
- 3.2 The removal of toxins and bait from storage is recorded in the toxin register in accordance with organisational and legislative requirements.
- 3.3 The toxins are transported in accordance with legislative requirements.
- 3.4 The storage of toxins and bait remaining after use is recorded in the toxin register in accordance with organisational and legislative requirements.
- 3.5 The toxins and bait are handled in accordance with organisational and legislative safety procedures.

### **Outcome 4**

Manage and demonstrate an operational knowledge of the aerial application of toxic baits for the control of vertebrate pests.

#### **Performance criteria**

- 4.1 The toxin application method is appropriate to the target vertebrate pest, terrain, habitat, season, and prevailing weather conditions.
- 4.2 The toxin notices are erected before application of toxin, in accordance with organisational and legislative requirements.
- Range accountability, bait coverage, contractor performance, operational benefits.
- 4.3 Knowledge of DGPS and GPS operational use is demonstrated in terms of troubleshooting, interpretation of printouts, logging on of block, and identifying common mistakes made when using GPS.
- 4.4 The toxin notices are removed after application of toxin, in accordance with organisational and legislative requirements.
- 4.5 The toxins are applied in accordance with organisational and legislative requirements.
- 4.6 The loading zone and equipment are decontaminated after application of toxin and before removal from the loading zone. Loading zone is secured from stock and public after application.

- 4.7 The toxin that has been applied, but not used, is disposed of in accordance with organisational and legislative requirements.
- 4.8 A record is made of animals destroyed in accordance with organisational requirements.
- 4.9 Target vertebrate pests are destroyed in proportion with the estimated total population in accordance with organisational and contractual requirements.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 August 1998	31 December 2023
Revision	2	17 July 2002	31 December 2023
Revision	3	19 May 2004	31 December 2023
Review	4	25 July 2007	31 December 2023
Review	5	23 May 2019	31 December 2023

<b>Consent and Moderation Requirements (CMR) reference</b>	0046
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.