

<b>Title</b>	<b>Describe and evaluate homemade and commercial vermicomposting units for domestic composting</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This unit standard is for people working in, or who wish to work in resource recovery vermicomposting.</p> <p>People credited with this unit standard are able to describe and evaluate homemade and commercial vermicomposting units for domestic composting.</p>
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<b>Classification</b>	Resource Recovery > Composting
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<b>Available grade</b>	Achieved
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### Guidance Information

#### Definitions

*Optimum environment* includes moisture content, feedstock, drainage, aeration, temperature, covers, and microbiology.

*Types of vermicomposting units* may include but are not limited to – revolving drums or ‘tumblers’ enclosed cylinder bins, bins, orbs, drums, windrows.

*Vermicomposting* refers to a mixture of vermicast and unprocessed organic matter; it may also contain worm capsules and small worms. The term may also apply to a mix of vermicast and composted material.

*A vermicomposting unit* is made up of a bed in which worms are placed, and worm cast and (depending on the type of unit) liquid fertilizer is produced. The bed may include a combination of – of aged manures or composted materials, shredded paper products, decomposing leaves, straw, soil, vegetable or fruit discard materials.

### Outcomes and performance criteria

#### Outcome 1

Describe and evaluate homemade and commercial vermicomposting units for domestic composting.

#### Performance criteria

- 1.1 The advantages of each type of homemade domestic vermicomposting unit are evaluated in terms of the optimum environment required for a worm bed.

Range evidence is required of three types.

1.2 The specifications of domestic composting units are described in terms of the optimum environment required for vermicomposting units.

Range depth, surface area, location, drainage, covers, aeration.

1.3 Commercially available vermicomposting units for domestic use are described in terms of their types.

Range evidence is required of four types.

1.4 The advantages of each type of commercially available vermicomposting unit are evaluated in terms of the optimum environment required for a worm bed.

**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	23 April 2007	31 December 2025
Rollover and Revision	2	28 March 2019	31 December 2025
Review	3	27 March 2025	31 December 2025

#### Consent and Moderation Requirements (CMR) reference

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.