

Title	Source, assess, and classify raw materials for composting		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to source, assess, and classify raw materials for composting.
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Classification	Resource Recovery > Composting
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Available grade	Achieved
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Guidance Information

- All work practices must comply with the: Health and Safety at Work Act 2015; Resource Management Act 1991; Hazardous Substances and New Organisms Act 1996; NZS 4454:2005 Composts, soil conditioners and mulches; The New Zealand Waste Strategy: Reducing Harm, Improving Efficiency 2010 Ministry for the Environment, available at <http://www.mfe.govt.nz>; and HSNO Codes of Practice for Hazardous Substances, available at <https://worksafe.govt.nz/>.
- Evidence is required of three sources and four materials.
- Definitions
Company procedures mean the documented methods for performing work activities and include health and safety, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.
Organic in this industry refers to materials that are putrescible or are of animal or vegetable origin.
Raw materials (compostable organic materials) may include but are not limited to – plant materials, food waste, wood and timber, sawdust, wood shavings, crop residuals, forestry residuals, manures, biosolids, sewage grit and screenings, fats and oils, organic sludges, paper-based materials, paper mill wastes.

Outcomes and performance criteria

Outcome 1

Source, assess, and classify raw materials for composting.

Performance criteria

- 1.1 Current raw material supplies and sources are assessed and supplies are prioritised in relation to their suitability for the composting facility and production requirements.
- Range assessment criteria may include but are not limited to – accessibility, collection and management requirements, site licences and constraints, plant capabilities, operational procedures, regulatory classification of materials, environmental management considerations, health and safety considerations, risk of contamination, reliability and security of supply, cost/revenue implications.
- 1.2 Complementary raw material supplies and sources are assessed and supplies are prioritised in relation to their suitability for the composting facility and production requirements.
- Range assessment criteria may include but are not limited to – accessibility, collection and management requirements, site licences and constraints, plant capabilities, operational procedures, regulatory classification of materials, environmental management considerations, health and safety considerations, risk of contamination, reliability and security of supply, cost/revenue implications.
- 1.3 Preferred sources of raw materials are determined in accordance with production requirements and company procedures.
- Range sources may include but are not limited to – commercial, industrial, horticultural, agricultural, domestic, forestry.
- 1.4 Representative samples of prioritised raw materials are obtained from potential sources and classified in accordance with production requirements and company procedures.
- 1.5 Representative samples of prioritised raw materials are obtained and assessed for contamination in accordance with production requirements and company procedures.
- Range contaminants may include – physical, chemical, biological.
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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>.