



**Australian Government**

# **AHCCOM206 Recognise raw materials, production processes and products on a composting site**

**Release: 1**

# AHCCOM206 Recognise raw materials, production processes and products on a composting site

## Modification History

| Release   | Comments                                                                                                                    |
|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0. |

## Application

This unit of competency describes the skills and knowledge required to recognise raw materials and products. It applies to the employee of an enterprise engaged in commercial-scale composting operations.

The unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for their own work. They undertake defined activities and work in a structured context.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil

## Unit Sector

Composting (COM)

## Elements and Performance Criteria

| Elements                                              | Performance Criteria                                                                                                                                                                                                                                               |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>      | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                             |
| 1. Recognise, handle and locate raw materials on site | 1.1 Recognise potential of raw material to compost<br>1.2 Compare characteristics of raw materials with site operating guidelines<br>1.3 Recognise potential hazards handling raw materials<br>1.4 Confirm initial handling requirements, stockpiling location and |

| Elements                                                           | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>                   | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                    | arrangement from site operating guidelines<br>1.5 Identify and record contaminants in raw materials<br>1.6 Confirm physical contaminant handling, stockpiling location and arrangement from site operating guidelines                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2. Recognise and locate key processes and technologies             | 2.1 Confirm composting technologies and methods, key process control steps and locations from site map<br>2.2 Identify windrows or vessels by batch or code numbers<br>2.3 Confirm machinery, plant and equipment from site operating guidelines                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3. Recognise, handle and locate compost and other products on site | 3.1 Identify and recognise intended use of compost products<br>3.2 Compare site operating guidelines with the handling risks and contaminants that characterise different products<br>3.3 Recognise potential hazards in handling products<br>3.4 Confirm handling requirements, stockpiling location and arrangement from site operating guidelines<br>3.5 Recognise and avoid potential for contamination of products<br>3.6 Match batching sheets or other product formulas to end product<br>3.7 Identify and report contaminants present in products<br>3.8 Identify physical contaminant handling, stockpiling location and arrangement on site |
| 4. Identify and carry out site maintenance requirements            | 4.1 Identify and undertake site maintenance requirements<br>4.2 Identify traffic access routes and traffic and pedestrian safety rules from site operating plan<br>4.3 Maintain vehicle access routes<br>4.4 Identify and maintain machinery and site security requirements                                                                                                                                                                                                                                                                                                                                                                           |

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

| Skill    | Description                                                                                                                               |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Reading  | <ul style="list-style-type: none"><li>Interpret, consolidate, check and comply with actions specified in operational guidelines</li></ul> |
| Numeracy | <ul style="list-style-type: none"><li>Perform basic calculations when matching batch amounts with specified formulae</li></ul>            |

## Unit Mapping Information

| Code and title current version                                                               | Code and title previous version                                                              | Comments                                                                                                                                                             | Equivalence status |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| AHCCOM206<br>Recognise raw materials, production processes and products on a composting site | AHCCOM203<br>Recognise raw materials, production processes and products on a composting site | Minor changes to Application and Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity<br><br>Foundation Skills added | Equivalent         |

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

# Assessment Requirements for AHCCOM206 Recognise raw materials, production processes and products on a composting site

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## Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has recognised raw materials, composting process and products for a commercial composting site and has:

- identified, confirmed, located, handled and maintained raw materials, products and physical contaminants on site
- implemented site machinery and traffic management plans
- maintained site and machinery security requirements
- maintained site arrangement and segregation of materials and products to avoid contamination
- read and followed batch numbers and codes, and site operating plan
- recognised and located key process control stages of production cycle and associated machinery on site.

## Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices for raw material recognition used for composting
- characteristics of a range of raw materials used in composting
- company policies and procedures, including workplace health and safety requirements
- key process control stages critical to consistent quality in compost production
- overview of systems, machinery and technologies used in compost production for workplace
- machinery and equipment maintenance
- range and characteristics of compost product and output
- safety risks associated with vehicles and machinery movement on site
- safety risks to self and product posed by contaminants in raw materials and products

- standard operating procedures to minimise risk associated with handling raw materials and products.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated on a farm or commercial composting site or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - tools and equipment used for composting
  - personal protective equipment
- specifications:
  - workplace procedures and processes for composting
  - manufacturer operating instructions for equipment and machinery
  - workplace instructions and specifications for products.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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