



Australian Government

AHCPHT302 Prepare raw materials and compost feedstock

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to prepare and mix raw materials into a suitable feedstock mixture, monitor the composting process, conduct quality control inspection and clean up.

The unit applies to individuals who prepare raw materials and compost feedstock under broad direction, and take responsibility for their own work and for the quality of the work of others.

All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements.

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

Pre-requisite Unit

Nil

Unit Sector

Production Horticulture (PHT)

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. Organise for processing	1.1 Determine processing requirements from job specifications 1.2 Identify potential hazards and risks, and implement safe working practices to manage risks 1.3 Select required materials, equipment and machinery, and check for safe operation

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Prepare raw materials and compost the feedstock mixture	2.1 Identify and collect raw materials and additives, and check for physical contamination 2.2 Confirm composting technology and methods to be used according to raw material types and workplace product requirements 2.3 Pre-process raw materials into suitable forms for composting 2.4 Mix pre-processed raw materials into suitable feedstock mixtures for composting 2.5 Handle feedstock mixtures for composting according to technology, appropriate method and industry best practice 2.6 Assign batch numbers or codes, and create batch documentation to enable tracking of batch
3. Monitor composting process	3.1 Monitor composting batch by observing and using field testing equipment 3.2 Maintain processing and operations records for process control and to track batch through the compost production cycle 3.3 Identify and report faults or variations to supervisor, and take remedial action to maintain effective and consistent compost production
4. Conduct quality control inspection	4.1 Inspect and assess finished compost for compliance according to workplace product requirements 4.2 Report faults or variations in compost product 4.3 Adjust and reprocess non-compliant product 4.4 Confirm compliance of compost batch according to workplace product requirements 4.5 Complete batch documentation for compliant compost product 4.6 Inform sales and operational staff members that product is suitable for sale or preparation of value-added products
5. Clean up area	5.1 Clean and secure load-shift machinery and other processing equipment according to workplace procedures 5.2 Clear away raw materials and finished compost products to designated areas, and clean processing site

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	Interpret textual information from a range of sources to identify relevant and key information about raw material and compost feedstock preparation
Oral communication	Use clear language to report compost production faults or variations to supervisor
Numeracy skills	Calculate quantities and ratios of raw materials and feedstock mixtures

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT302 Prepare raw materials and compost feedstock	AHCPHT307 Prepare raw materials and compost feedstock	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent

Links

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