



Australian Government

AHCPHT307 Prepare raw materials and compost feedstock

Release: 1

AHCPTH307 Prepare raw materials and compost feedstock

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to prepare and mix raw materials into a suitable feedstock mixture for commercial-scale composting and compost feedstock mixtures to manufacture compost products.

It applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

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

Pre-requisite Unit

Nil.

Unit Sector

Production horticulture (PHT)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Organise for processing	1.1 Review job sheet to identify all processing requirements 1.2 Check machinery, equipment and materials for serviceability and safe operation 1.3 Identify and assess workplace hazards and take action to minimise risk to self and others
2. Prepare raw materials and compost the feedstock mixture	2.1 Identify, collect and check raw materials and additives for physical contamination 2.2 Confirm composting technology and methods to be used as

Element	Performance criteria
	appropriate to raw material types and enterprise 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 Report to supervisor faults or variations observed at any stage of the process 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 with enterprise product requirements 4.2 Report faults or variations 4.3 Reprocess non-compliant product with necessary adjustments 4.4 Confirm compliance of compost batch with 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 and/or preparation of value-added products
5. Clean up area	5.1 Clean loading-shifting machinery and other processing equipment 5.2 Clear away raw materials and finished compost products to designated areas and clean processing site

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCPTH307A Prepare raw materials and compost the feedstocks.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCPTH307 Prepare raw materials and compost feedstock

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- conduct and interpret basic field test results to confirm effective processing and define intervention required to rectify composting processes
- establish and maintain appropriate compost batch documentation accurately and promptly
- prepare batches for composting according to defined compost recipes
- prepare raw materials for composting according to enterprise product requirements

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices for preparing composting raw materials
 - Australian composting standards
 - batch documentation techniques
 - characteristics of a range of raw materials
 - compost production cycle
 - compost quality standards
 - fundamental characteristics of compost quality
 - key process control stages critical to consistent compost production
 - overview of systems and technologies used in compost production
 - principles of commercial compost production
 - range and characteristics of categories of compost product
 - steps in pre-processing compost materials

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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