



Australian Government

AHCPHT318 Prepare value added compost-based products

Release: 1

AHCPTH318 Prepare value added compost-based products

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 or blend compost with other materials or products to produce various value-added compost-based products, and conduct quality inspection.

The unit applies to individuals who prepare value-added compost-based products 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, and sustainability and biosecurity practices.

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 value-added product preparation	1.1 Identify product requirements from job specifications or work order 1.2 Identify potential hazards and risks, and implement safe working practices to manage risks 1.3 Select required equipment and machinery, and check for safe

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	operation 1.4 Identify environmental and biosecurity implications associated with preparing products, and minimise impact
2. Prepare value-added products	2.1 Confirm compost and product additives according to job specifications 2.2 Measure and transport compost and additives to preparation area 2.3 Monitor and check compost and additives against specifications, and identify and report variations or non-conformances 2.4 Blend and process compost, materials and other additives 2.5 Clean machinery, equipment and site to avoid contamination between batches according to workplace procedures
3. Conduct quality inspection and readiness for sale checks	3.1 Inspect and check product for compliance according to job specifications and workplace product requirements 3.2 Document product details according to workplace procedures 3.3 Transport product to holding bay and confirm quantity of product 3.4 Label product according to regulatory and customer requirements 3.5 Release product for dispatch

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 value-added compost-based products preparation
Oral communication	Use clear language to report compost and additive variations or non-conformance
Numeracy skills	Calculate and measure quantities and ratios of compost and additives

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT318 Prepare value added compost-based products	AHCPHT308 Prepare value added compost-based products	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>

Assessment Requirements for AHCPTH318 Prepare value added compost-based products

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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 prepared value-added compost-based products on at least three occasions, and has:

- identified value-added product requirements
- interpreted job specifications and followed workplace production procedures
- applied workplace health and safety requirements
- followed industry and workplace environmental and biosecurity procedures, and minimised impacts associated with preparing value-added compost-based products
- prepared batches of value-added product according to defined batch recipes and methods
- recognised value-added products and their characteristics
- recognised, quantified and handled products.

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 preparing value-added compost-based products, including:
 - Australian standards for products
 - common product contaminants
 - workplace product specifications and standards
 - environmental license requirements, aspects and management measures associated with operation of machinery and equipment
 - hazards in handling materials and additives, and appropriate risk control measures
 - identification of contaminants
 - legislation, regulations and codes of practice with regard to licensing, roads and traffic requirements
 - operating principles and methods for plant and machinery

- potential risks and hazards associated with operation of machinery and equipment
- procedures for cleaning, securing and storing machinery, equipment and materials
- product types and characteristics
- raw materials, compost and additives commonly used to manufacture value-added products
- value-added product types and characteristics
- workplace requirements applicable to health and safety in the workplace for preparing value-added compost-based products
- industry and workplace environmental and biosecurity procedures.

Assessment Conditions

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

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - commercial compost and value-added products blending, processing and transporting equipment and machinery
 - compost and value-added products
- specifications:
 - job sheets and work orders relevant to preparing value-added compost-based products
 - workplace requirements applicable to health and safety in the workplace for preparing value-added compost-based products
 - industry and workplace environmental and biosecurity procedures relevant to preparing value-added compost-based products
- timeframes:
 - according to job requirements.

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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