



Australian Government

AHCCOM502 Plan and schedule compost production

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 9.0.

Application

This unit of competency describes the skills and knowledge required to establish production requirements, plan and schedule compost production for commercial scale composting activity.

The unit applies to product managers who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.

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. Establish production requirements	1.1 Verify specifications for compost production output with stakeholder 1.2 Quantify production requirements according to production output 1.3 Determine conditions affecting production requirements stakeholders

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Estimate production capacity for site and equipment capability 1.5 Prepare a production schedule according to estimates and conditions for production 1.6 Develop contingencies for raw material or product supply errors 1.7 Document and submit production plan for stakeholder approval
2. Verify operational compliance and resource availability	2.1 Identify environmental and workplace health and safety impact of production process 2.2 Verify compliance with environmental and health and safety procedures and licences 2.3 Confirm availability of work team, machinery and equipment for compost production
3. Schedule production to meet requirement	3.1 Calculate batch types and volumes of compost-based products 3.2 Obtain laboratory and field test data of compost materials pre- and post-production 3.3 Monitor and adjust production schedule according to field and laboratory test results 3.4 Release product to customer according to production plan, schedule and workplace procedures

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	Analyse specifications and compare with compost test results to determine compost quality outcomes
Numeracy	Use highly developed numeracy skills to quantify composting recipes and determine resource requirements for production, including volumes, weights and scheduling to achieve consistent production outcomes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCCOM502 Plan and schedule compost production	AHCCOM402 Plan and schedule compost production	AQF indicator in unit code changed to reflect revised unit outcomes Minor changes to Application Split Element 1 for better sequencing and clarity Minor edits and sequence changes to Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity	Not 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 AHCCOM502 Plan and schedule compost production

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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, on at least one occasion, planned and scheduled compost production for a specified outcome and has:

- assessed production output and quantified production requirements
- developed contingencies for production
- determined a compost production schedule
- documented a compost production plan consistent with enterprise capabilities
- identified and interpreted information and conditions that influence compost production
- released product to stakeholder according to production plan and schedule.

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 of compost production scheduling, including:
 - processing duration for various raw materials
 - raw materials and their characteristics
 - relationship between key compost recipe variables and compost production
 - systems, technologies and methods in compost production
 - testing and quality control of compost production
- process to quantify production requirements, including:
 - availability of raw material and contracts
 - data on actual received raw materials
 - sales and market trend information
 - corporate marketing plan and strategy
- standards, organic certification and licencing requirements for compost production

- health and safety and environmental requirements for compost production
- control of hazards in handling raw materials and product.

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 compost production site or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - worksite health and safety resources
- specifications:
 - workplace policies, procedures, processes
 - specifications for compost production
- relationships:
 - stakeholders
 - work team
- timeframes:
 - according to schedule.

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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